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Expression pattern of promoters driving eGFP expression in Arabidopsis thaliana hairy roots

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SUPPLEMENTARY MATERIAL

Supplemented Table 1. Genes with expression changes between hairy root and plant roots from Microarray experiment

Transcript Cluster ID	HR Bi-weight Avg Signal (log2)	Plant Bi-weight Avg Signal (log2)	Fold Change (linear) (HR vs. Plant)	ANOVA p-value (HR vs. Plant)	FDR p-value (HR vs. Plant)	Gene Symbol	Description
13545763	12.93	12.84	1.07	0.243843	0.534763		
13545767	12.93	12.84	1.07	0.243843	0.534763		
13545409	12.47	12.38	1.06	0.02829	0.345709		
13390309	12.45	12.27	1.13	0.115209	0.446247		
13434917	12.45	12.27	1.13	0.115209	0.446247		
13545233	12.44	12.37	1.05	0.040823	0.366125		
13545611	12.43	12.37	1.04	0.539458	0.692008		
13545717	12.43	12.37	1.04	0.539458	0.692008		
13544905	12.43	12.42	1.01	0.780929	0.857453		
13545085	12.43	12.42	1.01	0.780929	0.857453		
13545765	12.34	12.32	1.01	0.722897	0.818083		
13545769	12.34	12.32	1.01	0.722897	0.818083		
13545699	12.29	12.01	1.21	0.058641	0.394106	AT1G07590; MT1A; MT1B	pentatricopeptide repeat-containing protein; metallothionein 1A; metallothionein 1B
13545771	12.2	11.98	1.17	0.10172	0.435397		
13544903	12.09	12.11	-1.01	0.911703	0.946368		
13545087	12.09	12.11	-1.01	0.911703	0.946368		
13408296	12.02	12.01	1.01	0.76984	0.849927	AT2G07671; atp9	ATP synthase subunit 9; ATPase subunit 9
13467396	12.02	12.22	-1.15	0.003253	0.253459	AT4G11320	putative cysteine proteinase
13434915	11.97	11.48	1.4	0.465031	0.644046		
13545731	11.94	11.97	-1.02	0.691492	0.796233		
13368413	11.93	11.94	-1.01	0.882396	0.92832		
13446806	11.92	11.88	1.03	0.592	0.728016	PYK10	beta-glucosidase 23
13545741	11.92	11.93	-1.01	0.852006	0.906761		
13545737	11.91	11.87	1.02	0.020096	0.322692		
13450271	11.86	10.92	1.91	0.01775	0.319218	TCTP	translationally-controlled tumor protein-like protein
13545761	11.81	11.77	1.02	0.156166	0.478985		
13545403	11.74	11.39	1.27	0.049735	0.379003	cox1	cytochrome c oxidase subunit 1
13545407	11.73	11.5	1.18	0.039442	0.364851		
13545739	11.69	11.68	1.01	0.81585	0.882212		

13392292	11.66	11.43	1.17	0.014082	0.312248	AT2G07707; orfB	ATP synthase protein YMF19; orfB
13545149	11.66	11.43	1.17	0.014082	0.312248	AT2G07707; orfB	ATP synthase protein YMF19; orfB
13391844	11.58	11.08	1.42	0.094577	0.431058	GRP9	glycine-rich protein 9
13545015	11.55	11.38	1.12	0.536363	0.689889	rpl20	50S ribosomal protein L20
13545383	11.55	11.52	1.02	0.472748	0.648172	nad1	NADH dehydrogenase subunit 1
13545301	11.53	11.2	1.25	0.005335	0.274434	nad4L	NADH dehydrogenase subunit 4L
13392378	11.51	11.13	1.31	0.037898	0.362165	AT2G07741; atp6-1; atp6-2	ATP synthase subunit a-1; ATPase subunit 6
13545155	11.5	11.28	1.16	0.00283	0.253459	nad7	NADH dehydrogenase subunit 7
13545299	11.47	11.25	1.17	0.00347	0.253459	orf25	orf25
13545743	11.37	11.12	1.18	0.020794	0.324125		
13545019	11.36	11.12	1.18	0.003689	0.255175	clpP	ATP-dependent Clp protease proteolytic subunit
13545253	11.35	10.87	1.39	0.000234	0.180656	ccb452	cytochrome c biogenesis orf452
13545376	11.33	10.99	1.27	0.024249	0.332592	atp6-2	ATPase subunit 6
13545017	11.32	11.19	1.09	0.172218	0.489773	rps12	ribosomal protein S12
13545735	11.32	11.27	1.03	0.235201	0.529705		
13545365	11.3	11.04	1.19	0.05531	0.387527	nad1; AT2G07785	NADH dehydrogenase subunit 1; NADH dehydrogenase I subunit 1
13545757	11.27	11.1	1.12	0.028403	0.346347		
13528828	11.25	10.57	1.61	0.009479	0.296261	AT5G20700	hypothetical protein
13545242	11.24	11.08	1.11	0.146672	0.470962	rpl16; rps3	ribosomal protein L16; ribosomal protein S3
13545397	11.23	10.49	1.68	0.010669	0.297744	nad2	NADH dehydrogenase subunit 2
13453419	11.23	10.65	1.5	0.125049	0.454106		
13545163	11.22	11.02	1.15	0.300201	0.56322	rpl2	ribosomal protein L2
13487805	11.2	10.56	1.56	0.0144	0.313095	PRXR1	peroxidase 42
13390493	11.2	10.95	1.19	0.090639	0.427844	MLP328	MLP-like protein 328
13545387	11.2	11.35	-1.11	0.425484	0.620492	nad1	NADH dehydrogenase subunit 1
13434090	11.17	10.35	1.76	0.005451	0.277119		
13337021	11.13	10.77	1.29	0.334162	0.576298	MT1C	metallothionein 1C
13365032	11.12	10.87	1.19	0.008432	0.293015		
13391850	11.11	9.15	3.89	0.013397	0.307766	AT2G05510	glycine-rich protein
13545128	11.11	10.71	1.32	0.102293	0.435554	AT2G07774	hypothetical protein
13545190	11.11	10.71	1.32	0.102293	0.435554	AT2G07774	hypothetical protein
13436369	11.09	11.01	1.06	0.346733	0.58045		
13545035	11.05	11.31	-1.19	0.029271	0.348027	rpl16	ribosomal protein L16
13404388	11.04	10.25	1.73	0.092489	0.429659	AT2G43150	Proline-rich extensin-like family protein
13545262	11.04	10.71	1.26	0.085349	0.420058	nad6	NADH dehydrogenase subunit 6
13545168	11.03	10.66	1.29	0.006999	0.28579	nad4	NADH dehydrogenase subunit 4
13544934	11.01	10.77	1.18	0.029259	0.348027	rpl2	50S ribosomal protein L2
13545042	11.01	10.77	1.18	0.029259	0.348027	rpl2	50S ribosomal protein L2
13545755	10.99	10.77	1.17	0.010289	0.296261		
13392319	10.97	10.61	1.28	0.208718	0.514214	AT2G07727; cob	cytochrome b; apocytochrome B
13545240	10.96	10.42	1.45	0.061647	0.398106	nad9	NADH dehydrogenase subunit 9
13543872	10.95	10.58	1.29	0.129859	0.459886	AT5G65660	hydroxyproline-rich glycoprotein family protein
13545007	10.95	11.44	-1.41	0.003361	0.253459	psbF	photosystem II reaction center subunit VI
13545237	10.93	10.33	1.51	0.059723	0.395074	nad5	NADH dehydrogenase subunit 5
13380359	10.91	9.66	2.38	0.023449	0.330182	DI19	drought-induced 19 protein
13436365	10.91	10.28	1.55	0.005186	0.271751		

13449996	10.9	11.04	-1.1	0.33239	0.576298	NAI2	DNA topoisomerase-like protein
13545033	10.9	11.12	-1.16	0.042998	0.37052	rpl14	50S ribosomal protein L14
13417371	10.87	10.31	1.47	0.021535	0.325381	AT2G35750	hypothetical protein
13545759	10.87	10.61	1.2	0.236319	0.530525		
13545747	10.87	10.88	-1.01	0.928523	0.956706		
13417203	10.86	10.63	1.17	0.16659	0.486784		
13525514	10.77	10.58	1.15	0.104941	0.43719		
13370802	10.75	10.44	1.24	0.04119	0.36677	EXT3	extensin 3
13483250	10.75	10.6	1.11	0.320839	0.570934	OSM34	osmotin-like protein OSM34
13392867	10.72	5.11	48.79	0.003616	0.253459	AGL44	protein agamous-like 44
13411049	10.72	9.48	2.36	0.027259	0.341666		
13387722	10.71	9.29	2.67	0.023575	0.330805	WAT1	protein walls are thin 1
13366848	10.67	10.35	1.25	0.095233	0.431535	APA1	aspartic proteinase A1
13545753	10.67	10.59	1.06	0.054375	0.385747		
13545116	10.66	10.64	1.01	0.018037	0.319749	AT2G07725; rpl5	60S ribosomal protein L5; ribosomal protein L5
13421057	10.65	10.05	1.52	0.033364	0.354018	AT2G43970	RNA-binding protein
13545751	10.65	10.58	1.05	0.382633	0.597122		
13392372	10.64	10.09	1.46	0.003653	0.253459		
13392220	10.63	10.86	-1.18	0.129546	0.459519	AT2G07751; ArthMp086	NADH dehydrogenase I subunit 3; NADH dehydrogenase subunit 3
13544923	10.62	10.53	1.07	0.052352	0.382608	rps7	30S ribosomal protein S7
13545054	10.62	10.53	1.07	0.052352	0.382608	rps7	30S ribosomal protein S7
13544921	10.58	10.04	1.45	0.017745	0.319218	rps12	ribosomal protein S12
13545056	10.58	10.04	1.45	0.017745	0.319218	rps12	ribosomal protein S12
13521267	10.57	9.51	2.09	0.045337	0.375052	HSC70-1	heat shock 70kDa protein 1/8
13501752	10.57	9.78	1.73	0.028109	0.344972	GASA4	gibberellin-regulated protein 4
13427968	10.52	9.15	2.59	0.026601	0.339318	AT3G14100	RNA recognition motif-containing protein
13544955	10.52	10.61	-1.06	0.552605	0.701319	atpH	ATPase III subunit
13520182	10.51	10.05	1.37	0.161463	0.483432		
13335360	10.5	9.58	1.88	0.305695	0.565001		
13341493	10.5	9.58	1.88	0.305695	0.565001		
13341721	10.5	9.58	1.88	0.305695	0.565001		
13342555	10.5	9.58	1.88	0.305695	0.565001		
13358920	10.5	9.58	1.88	0.305695	0.565001		
13359308	10.5	9.58	1.88	0.305695	0.565001		
13359650	10.5	9.58	1.88	0.305695	0.565001		
13377294	10.5	9.58	1.88	0.305695	0.565001		
13400351	10.5	9.58	1.88	0.305695	0.565001		
13400353	10.5	9.58	1.88	0.305695	0.565001		
13419192	10.5	9.58	1.88	0.305695	0.565001		
13423288	10.5	9.58	1.88	0.305695	0.565001		
13427597	10.5	9.58	1.88	0.305695	0.565001		
13433987	10.5	9.58	1.88	0.305695	0.565001		
13438648	10.5	9.58	1.88	0.305695	0.565001		
13458600	10.5	9.58	1.88	0.305695	0.565001		
13462260	10.5	9.58	1.88	0.305695	0.565001		
13498148	10.5	9.58	1.88	0.305695	0.565001		
13501487	10.5	9.58	1.88	0.305695	0.565001		
13501984	10.5	9.58	1.88	0.305695	0.565001		

13516915	10.5	9.58	1.88	0.305695	0.565001		
13529121	10.5	9.58	1.88	0.305695	0.565001		
13533916	10.5	9.58	1.88	0.305695	0.565001		
13393708	10.5	10.15	1.28	0.182598	0.497424		
13392270	10.5	10.45	1.04	0.138732	0.46568	AT2G07698	F-type H+-transporting ATPase subunit alpha
13355539	10.49	9.12	2.59	0.066852	0.404372	AT1G65510	hypothetical protein
13545393	10.47	10.19	1.21	0.04976	0.379003	AT2G07785; nad1	NADH dehydrogenase I subunit 1; NADH dehydrogenase subunit 1
13436779	10.46	10.16	1.23	0.167218	0.486855	AT3G48140	B12D protein
13545266	10.46	10.35	1.07	0.161334	0.483376	nad2	NADH dehydrogenase subunit 2
13339086	10.46	10.42	1.03	0.750592	0.83655		
13448399	10.42	9.07	2.55	0.002521	0.253459	HCHIB	chitinase
13465178	10.41	9.88	1.44	0.103786	0.436308	AT7SL-1	7SL RNA1
13491447	10.41	9.89	1.44	0.051446	0.382129	HA2	H(+)-ATPase 2
13545303	10.39	10.23	1.11	0.009689	0.296261	ArthMp059	hypothetical protein
13408289	10.38	10.05	1.25	0.451039	0.635828	AT2G07773	hypothetical protein
13356037	10.35	4.32	65.42	0.004481	0.262292		
13359807	10.34	9.6	1.67	0.023251	0.330182	HMG1	hydroxy methylglutaryl CoA reductase 1
13394424	10.34	9.77	1.48	0.01863	0.321499	HA1	H(+)-ATPase 1
13436367	10.31	9.22	2.12	0.025021	0.334806		
13392315	10.3	10.11	1.14	0.55864	0.705096	AT2G07725; rpl5	60S ribosomal protein L5; ribosomal protein L5
13349883	10.25	8.76	2.8	0.040298	0.365591	ACT8	actin 8
13545031	10.25	10.67	-1.34	0.007958	0.290374	rps8	30S ribosomal protein S8
13504174	10.24	9.85	1.31	0.056026	0.388357	AT5G21090	leucine-rich repeat-containing protein
13392251	10.23	10.02	1.16	0.556026	0.703353	AT2G07689	NADH-Ubiquinone/plastoquinone (complex I) protein
13545102	10.23	10.17	1.04	0.742702	0.831025	ArthMp003	hypothetical protein
13505941	10.22	9.13	2.14	0.089621	0.426725	AT5G26280	TRAF-like family protein
13386830	10.22	10.57	-1.28	0.003855	0.25863	DR4	drought-repressed 4 protein
13374302	10.18	9.26	1.89	0.05884	0.394439	AT1G30880	hypothetical protein
13453415	10.18	9.97	1.16	0.109024	0.440715		
13489220	10.18	10.17	1.01	0.95998	0.976341	AT4G24920; AT5G50460	protein transport protein sec61 subunit gamma-1
13545749	10.17	10.18	-1.01	0.824092	0.887696		
13401395	10.17	11.15	-1.97	0.033813	0.354018	DOT1	glycine-rich protein
13392222	10.16	10.06	1.07	0.623685	0.749079	AT2G07675; rps12; AT2G07773	ribosomal protein S12; hypothetical protein
13545347	10.16	10.06	1.07	0.623685	0.749079	AT2G07675; rps12; AT2G07773	ribosomal protein S12; hypothetical protein
13545307	10.14	10.36	-1.16	0.431819	0.624269	ArthMp062	hypothetical protein
13545009	10.14	10.84	-1.63	0.02012	0.322692	psbE	cytochrome b559 alpha subunit
13544939	10.14	11.21	-2.11	0.007755	0.290374	psbA	photosystem II protein D1
13455325	10.13	8.94	2.28	0.046286	0.377124	AT3G30390	Transmembrane amino acid transporter family protein
13402216	10.12	9	2.17	0.018802	0.321499	AUX1	auxin transporter protein 1
13427703	10.12	9.65	1.38	0.225655	0.524988		
13509435	10.12	9.92	1.15	0.338334	0.577332	AT5G42050	DCD (Development and Cell Death) domain protein

13392376	10.12	10.07	1.03	0.942299	0.965477		
13545138	10.12	10.07	1.03	0.942299	0.965477		
13530086	10.11	4.71	42.34	0.000453	0.207323	FRO5	ferric reduction oxidase 5
13423543	10.11	8.32	3.45	0.000869	0.225865	AT3G02910	AIG2-like (avirulence induced gene) family protein
13408038	10.11	9.11	1.99	0.044292	0.374445		
13471095	10.11	9.74	1.29	0.012358	0.301412	PCAP1	plasma-membrane associated cation-binding protein 1
13431574	10.1	9.56	1.45	0.16539	0.485944		
13545037	10.09	10.06	1.02	0.168602	0.487225	rps3; rpl22	30S ribosomal protein S3; ribosomal protein L22
13544888	10.06	10.9	-1.79	0.015771	0.315212	petD	cytochrome b6/f complex subunit 4
13528300	10.02	9.55	1.38	0.064318	0.400786	AT5G19510	Elongation factor 1-beta 2
13392294	10	10.12	-1.08	0.492835	0.660263	AT2G07708; ArthMp042	hypothetical protein
13545745	9.99	9.7	1.22	0.316401	0.568464		
13355640	9.98	9.61	1.29	0.138457	0.46568	cICDH	isocitrate dehydrogenase
13544907	9.98	10.8	-1.77	0.16284	0.484829		
13545083	9.98	10.8	-1.77	0.16284	0.484829		
13417665	9.97	9.75	1.16	0.143762	0.469269	LOS2	bifunctional enolase 2/transcriptional activator
13441657	9.97	10.06	-1.06	0.532748	0.687669	AT3G60245	60S ribosomal protein L37a-2
13476550	9.96	8.03	3.82	0.017749	0.319218	AT4G32480	hypothetical protein
13387407	9.96	8.92	2.04	0.050398	0.380289	AT1G74840	myb family transcription factor
13545029	9.96	10.03	-1.04	0.712267	0.810458	rpl36	50S ribosomal protein L36
13544950	9.95	10.18	-1.17	0.004821	0.266511	atpA	ATP synthase CF1 alpha chain
13394139	9.94	8.61	2.5	0.012434	0.301412	TLP2; AT2G18270	Tubby-like F-box protein 2; hypothetical protein
13543347	9.94	9.27	1.59	0.068285	0.406394	FKBP12	Peptidyl-prolyl isomerase FKBP12
13525906	9.94	9.55	1.3	0.232293	0.528375	PHT3;1	phosphate transporter 3;1
13342439	9.94	9.8	1.1	0.476119	0.649834		
13544845	9.94	10.69	-1.67	0.066888	0.404372	psbZ	photosystem II reaction center Z protein
13336846	9.93	9.23	1.62	0.006797	0.285606	AT1G07080	GILT domain-containing protein
13468086	9.93	9.85	1.06	0.251962	0.538651		
13509705	9.91	9.48	1.35	0.07509	0.410503	MRN1	marneral synthase
13545040	9.91	10.23	-1.25	0.332362	0.576298	rps19	30S ribosomal protein S19
13411045	9.9	8.38	2.85	0.072437	0.408352		
13545288	9.9	9.77	1.09	0.636452	0.758209	nad1; AT2G07785	NADH dehydrogenase subunit 1; NADH dehydrogenase I subunit 1
13453346	9.89	9.03	1.81	0.160847	0.483101	ALDH2C4	aldehyde dehydrogenase 2C4
13544868	9.88	9.17	1.64	0.007929	0.290374	petA	apocytochrome f precursor
13500896	9.88	9.97	-1.07	0.627644	0.751739	NAC083	NAC domain containing protein 83
13451730	9.87	9.02	1.8	0.044019	0.373501	AT3G20390	endoribonuclease L-PSP family protein
13544860	9.87	9.97	-1.08	0.423342	0.619098	accD	acetyl-CoA carboxylase beta subunit
13545140	9.86	9.42	1.36	0.226302	0.525159	AT2G07835; AT2G07741; atp6-1	hypothetical protein; ATP synthase subunit a-1; ATPase subunit 6
13469471	9.86	9.56	1.23	0.265478	0.546029	AT4G16190	Papain family cysteine protease
13357020	9.85	9.31	1.46	0.110787	0.442141	AT1G69510	cAMP-regulated phosphoprotein 19-related protein

13544980	9.85	10.7	-1.81	0.000225	0.180656	psaB	PSI P700 apoprotein A2
13473487	9.84	9.26	1.49	0.017967	0.319749		
13545401	9.84	9.45	1.32	0.224851	0.524988	nad2	NADH dehydrogenase subunit 2
13362460	9.84	9.48	1.29	0.05707	0.391414	emb2386	60S ribosomal protein L19-1
13534489	9.84	9.59	1.19	0.335098	0.576654	UBL5	ubiquitin-like protein 5
13505927	9.84	10.02	-1.14	0.683621	0.790547	AT5G26260	TRAF-like family protein
13392249	9.83	9.78	1.03	0.93963	0.963738		
13544952	9.82	10.1	-1.21	0.07513	0.410503	atpF	ATPase subunit I
13351880	9.81	8.87	1.92	0.019316	0.321499	RAP2.12; AT1G53887	ethylene-responsive transcription factor RAP2-12; hypothetical protein
13545349	9.81	9.92	-1.07	0.396026	0.603844	ArthMp086; AT2G07751; ArthMp087	NADH dehydrogenase subunit 3; NADH dehydrogenase I subunit 3; hypothetical protein
13355059	9.8	8.26	2.9	0.013178	0.305732	GH9C2	endoglucanase 6
13379506	9.8	8.95	1.8	0.039396	0.364658	AT1G54410	dehydrin family protein
13425753	9.8	9.57	1.17	0.333948	0.576298	AT3G08520; AT3G56020; AT1G56045; AT3G11120; AT2G40205	60S ribosomal protein L41
13514822	9.8	9.64	1.12	0.486508	0.65598	OMT1	Quercetin 3-O-methyltransferase 1
13337524	9.79	8.22	2.96	0.020724	0.324125	PPCK1	phosphoenolpyruvate carboxylase kinase 1
13545025	9.79	9.68	1.08	0.240072	0.532904	rpoA	RNA polymerase alpha chain
13545177	9.79	10.44	-1.56	0.489518	0.658187	AT2G07722; ArthMp016; ArthMp055	hypothetical protein
13543241	9.78	6.43	10.22	0.007606	0.290374	AT5G64100	peroxidase 69
13392370	9.78	8.75	2.04	0.004619	0.262483		
13545132	9.78	8.75	2.04	0.004619	0.262483		
13519811	9.78	8.77	2.01	0.062198	0.398248	IAA9	auxin-responsive protein IAA9
13344750	9.78	9.05	1.66	0.073362	0.409469	AT1G26665	Mediator complex, subunit Med10
13445504	9.77	8.66	2.17	0.024827	0.33454	AT3G06390	hypothetical protein
13366300	9.77	9.35	1.34	0.188055	0.502321		
13477286	9.77	9.52	1.2	0.339857	0.578023	CCoAOMT1	putative caffeoyl-CoA O-methyltransferase
13344395	9.76	9.74	1.01	0.809557	0.878004	AT1G24880; AT1G25054; AT1G25145; AT1G24793; AT1G24996	UDP-3-O-[3-hydroxymyristoyl] N-acetylglucosamine deacetylase; UDP-3-O-acyl N-acetylglycosamine deacetylase family protein; hypothetical protein
13545118	9.75	9.14	1.52	0.115082	0.446247	AT2G07727; cob	cytochrome b; apocytochrome B
13448869	9.74	9.21	1.44	0.23343	0.529162	AT3G13310	chaperone DnaJ-domain containing protein
13476306	9.74	9.39	1.28	0.220595	0.522003	AT4G32020	hypothetical protein
13345788	9.73	8.19	2.92	0.048107	0.37767	WRKY65	putative WRKY transcription factor 65
13358212	9.73	8.93	1.74	0.037491	0.360894	PATL1	patellin-1
13408319	9.73	9.45	1.22	0.114267	0.445324	AT2G07687; cox3	cytochrome c oxidase subunit 3
13408383	9.73	9.6	1.1	0.315727	0.568464	AT2G07734; rps4	ribosomal protein S4
13455484	9.72	9.42	1.24	0.16047	0.482937	AT3G32980	peroxidase 32

13545209	9.72	9.79	-1.04	0.594193	0.72928	AT2G07777; ArthMp095; ArthMp005; ArthMp004	ATP synthase 9; hypothetical protein
13544872	9.72	9.83	-1.08	0.849725	0.905369	petG	cytochrome B6-F complex subunit 5
13479543	9.71	9	1.63	0.281991	0.555262		
13342236	9.71	9.42	1.23	0.514748	0.675406		
13429137	9.71	9.43	1.21	0.099913	0.434356	PBP1	PYK10-binding protein 1
13492467	9.71	9.84	-1.1	0.450892	0.635828	AT4G32470	ubiquinol-cytochrome c reductase subunit 7
13452851	9.69	8.96	1.65	0.099457	0.434185	PHO1	phosphate transporter PHO1
13454951	9.69	9.01	1.6	0.11809	0.448003	AT3G28940	AIG2-like protein
13490217	9.69	9.18	1.42	0.062449	0.398248	AT4G27090	60S ribosomal protein L14-2
13441829	9.69	9.26	1.35	0.071822	0.408234	VAP	vesicle associated protein
13479541	9.68	9.4	1.21	0.314561	0.568153		
13482000	9.67	8.33	2.54	0.081921	0.41692	AT4G05631	hypothetical protein
13468300	9.67	9.16	1.43	0.294863	0.560863	AT4G13860	RNA recognition motif-containing protein
13404372	9.66	8.93	1.67	0.127621	0.45753		
13393397	9.65	8.96	1.61	0.015958	0.315398	ROC3	Peptidyl-prolyl cis-trans isomerase CYP19-1
13511245	9.65	9.16	1.41	0.206431	0.513094	AT5G46430	60S ribosomal protein L32-2
13544886	9.65	10.43	-1.72	0.038268	0.363017	petB	cytochrome b6
13470504	9.63	8.97	1.58	0.045001	0.374597	BIN2; AT4G18720	Shaggy-related protein kinase eta; Transcription factor IIS protein
13533025	9.63	9.3	1.25	0.200302	0.509673	GSR 1	glutamine synthetase cytosolic isozyme 1-1
13359323	9.63	9.48	1.11	0.566048	0.710483		
13451129	9.62	7.85	3.41	0.009866	0.296261	AT3G19030	hypothetical protein
13537530	9.62	8.91	1.64	0.081044	0.41589	GH9A1	endoglucanase 25
13495983	9.62	8.91	1.63	0.043586	0.372891	HB16	homeobox-leucine zipper protein ATHB-16
13344367	9.62	11.18	-2.94	0.175288	0.492147	AT1G25025; AT1G25112; AT1G25180; AT1G24851	hypothetical protein
13344379	9.62	11.18	-2.94	0.175288	0.492147	AT1G25025; AT1G25112; AT1G25180; AT1G24851	hypothetical protein
13344400	9.62	11.18	-2.94	0.175288	0.492147	AT1G25025; AT1G25112; AT1G25180; AT1G24851	hypothetical protein
13432020	9.61	7.88	3.32	0.02623	0.337568	AT3G22970; CPuORF59	hypothetical protein
13342636	9.61	8.74	1.83	0.053659	0.384062	CAT3	catalase 3
13515051	9.61	8.96	1.56	0.054571	0.386003	ILR3	transcription factor ILR3
13545269	9.61	9.82	-1.16	0.205914	0.512597	AT2G07734; rps4	ribosomal protein S4
13464418	9.61	9.9	-1.22	0.557983	0.704524	PPa5	pyrophosphorylase 5
13490166	9.6	8.41	2.28	0.040736	0.366076	ATRBP45C	RNA recognition motif-containing protein
13448959	9.6	8.47	2.18	0.03126	0.351689	ECT2	hypothetical protein
13480899	9.6	8.48	2.17	0.049643	0.378994	SAG21	senescence-associated protein
13544943	9.6	9.98	-1.3	0.066647	0.40382	matK	maturase K
13544982	9.6	10.28	-1.6	0.020012	0.322692	psaA	PSI P700 apoprotein A1

13510014	9.59	8.42	2.24	0.050371	0.380289	AT5G43460	HR-like lesion-inducing protein-like protein
13403729	9.59	8.82	1.7	0.051152	0.382129	ERD15	dehydration-induced protein ERD15
13544862	9.59	9.79	-1.15	0.314088	0.568024	psaI	photosystem I subunit VIII
13544825	9.59	10.1	-1.43	0.011787	0.301412	psbI	photosystem II protein I
13505062	9.59	10.95	-2.56	0.009667	0.296261	AT5G23820	MD-2-related lipid recognition domain-containing protein
13525609	9.58	9.5	1.05	0.592688	0.72848	ATP5	ATP synthase subunit O
13480976	9.57	7.81	3.38	0.058738	0.394229	GSTF2	glutathione S-transferase PM24
13440892	9.57	7.87	3.25	0.070219	0.406528		
13429169	9.57	9.94	-1.29	0.095689	0.431773	AT3G16460	jacalin-like lectin domain-containing protein
13541225	9.56	7.44	4.36	0.009178	0.296261	SBT4.12	subtilase 4.12
13337731	9.55	8.4	2.22	0.093975	0.430535	ERD6	sugar transporter ERD6
13380968	9.55	9.03	1.43	0.187543	0.501922	AT1G58684; AT1G58983; AT1G59359; XW6	40S ribosomal protein S2-2; 40S ribosomal protein S2-1
13380984	9.55	9.03	1.43	0.187543	0.501922	AT1G58684; AT1G58983; AT1G59359; XW6	40S ribosomal protein S2-2; 40S ribosomal protein S2-1
13381000	9.55	9.03	1.43	0.187543	0.501922	AT1G58684; AT1G58983; AT1G59359; XW6	40S ribosomal protein S2-2; 40S ribosomal protein S2-1
13475491	9.55	9.35	1.15	0.290815	0.558747	AT4G30170	peroxidase 45
13392311	9.55	9.59	-1.03	0.957245	0.974725	AT2G07718; ArthMp052; AT2G07727; cob	Cytochrome b/b6 protein; hypothetical protein; cytochrome b; apocytochrome B
13545173	9.55	9.59	-1.03	0.957245	0.974725	AT2G07718; ArthMp052; AT2G07727; cob	Cytochrome b/b6 protein; hypothetical protein; cytochrome b; apocytochrome B
13349529	9.53	7.29	4.72	0.009714	0.296261	AT1G48300; CHR18	hypothetical protein; chromatin remodeling factor18
13545023	9.53	10.07	-1.45	0.094495	0.430979	psbN	photosystem II reaction center N protein
13485112	9.52	8.26	2.4	0.000347	0.181987	VAMP724	vesicle-associated membrane protein 724
13544892	9.52	10.52	-1.99	0.122098	0.452662		
13545098	9.52	10.52	-1.99	0.122098	0.452662		
13367467	9.51	9.01	1.42	0.020721	0.324125	GAPC2	glyceraldehyde 3-phosphate dehydrogenase
13372868	9.51	9.24	1.2	0.074366	0.410455	NTF2A	nuclear transport factor 2A
13388806	9.51	9.36	1.11	0.529216	0.685826	AT1G77940	60S ribosomal protein L30-2
13545134	9.51	9.61	-1.07	0.446471	0.633727	AT2G07739; ArthMp033	Ycf1 protein; hypothetical protein
13545077	9.49	9.89	-1.32	0.071275	0.408234	rps15	ribosomal protein S15
13383453	9.48	9.01	1.38	0.040916	0.366381	mtACP2	NADH dehydrogenase (ubiquinone) 1 alpha/beta subcomplex 1
13477670	9.48	9.51	-1.03	0.718959	0.815477	AT4G34700	NADH dehydrogenase (ubiquinone) 1 beta subcomplex 9
13504572	9.48	9.52	-1.03	0.787309	0.862143	HD2B	histone deacetylase HDT2
13414696	9.47	8.85	1.53	0.062086	0.398248	FAD3	omega-3 fatty acid desaturase, endoplasmic reticulum
13417199	9.47	8.97	1.41	0.220338	0.52188		
13380186	9.46	9.1	1.28	0.207413	0.513526	LOS1	elongation factor EF-2
13401680	9.45	8.26	2.3	0.00713	0.287967	GAMMA-TIP	aquaporin TIP1-1

13520254	9.45	8.46	2	0.113691	0.444631	UGT72E2	coniferyl-alcohol glucosyltransferase
13446477	9.45	9.07	1.3	0.248123	0.536387	AAC1	ADP,ATP carrier protein 1
13411448	9.44	8.9	1.45	0.046931	0.377465	CCR2	glycine-rich RNA-binding protein 7
13363986	9.44	9.08	1.28	0.210134	0.515378	POM1	chitinase-like protein 1
13545405	9.44	9.48	-1.03	0.836085	0.896417	ArthMp110	hypothetical protein
13502812	9.44	9.54	-1.07	0.546612	0.696963	ATMS1	5-methyltetrahydropteroyltriglutamate--homocysteine methyltransferase
13342234	9.43	8.4	2.03	0.123845	0.453788		
13442595	9.43	9.01	1.35	0.022063	0.326278		
13435403	9.42	8.82	1.51	0.069754	0.406403	AT3G44330	hypothetical protein
13409950	9.42	8.86	1.48	0.004919	0.268309	AT2G18150	peroxidase 15
13491032	9.42	9.47	-1.04	0.632536	0.755211	AT4G29270	HAD superfamily, subfamily IIIB acid phosphatase
13418037	9.41	7.82	3	0.012254	0.301412	PIP2B	aquaporin PIP2-2
13420885	9.41	8.15	2.4	0.086095	0.421381	AT2G43610	putative chitinase
13524574	9.41	8.46	1.92	0.073544	0.409846	AT5G10860	CBS domain-containing protein
13431875	9.4	8.28	2.17	0.031782	0.352572	AT3G22440	FRIGIDA-like protein
13468310	9.4	9.07	1.25	0.40462	0.608729	MEE58	adenosylhomocysteinase 1
13520797	9.39	8.22	2.24	0.067425	0.405555	AT5G01350	hypothetical protein
13402383	9.39	9.06	1.26	0.075558	0.410503	WRKY33	putative WRKY transcription factor 33
13374212	9.39	9.5	-1.08	0.486356	0.655887	AT1G30630	coatomer subunit epsilon-1
13544874	9.39	9.98	-1.5	0.009814	0.296261	psaJ	photosystem I subunit IX
13388306	9.37	6.97	5.28	0.055681	0.388271	EXT4	extensin 4
13419103	9.37	7.59	3.42	0.001472	0.249401	EXPA4	expansin A4
13417369	9.37	8.62	1.68	0.020273	0.322692		
13511538	9.37	8.75	1.54	0.037248	0.360653	AT5G47030	ATP synthase subunit delta'
13441903	9.37	9.13	1.17	0.245665	0.535365	AT3G60750	Transketolase
13480198	9.36	8.23	2.19	0.06871	0.406403	SK32	Shaggy-related protein kinase theta
13339119	9.36	8.53	1.78	0.029472	0.348027	NRT1.1	nitrate transporter 1.1
13363024	9.36	8.99	1.29	0.168166	0.487067	AT1G04040; AT1G04030	HAD superfamily, subfamily IIIB acid phosphatase; hypothetical protein
13422777	9.36	9.05	1.24	0.220348	0.52188	VDAC1	mitochondrial outer membrane protein porin 1
13544987	9.36	10.27	-1.88	0.020021	0.322692	rps4	ribosomal protein S4
13467317	9.35	9.14	1.16	0.379716	0.595361	TUF	V-type proton ATPase subunit E1
13544864	9.35	9.18	1.13	0.138745	0.46568	ycf4	ycf4
13392374	9.35	9.78	-1.35	0.662863	0.77624		
13545136	9.35	9.78	-1.35	0.662863	0.77624		
13541395	9.34	7.9	2.72	0.158928	0.481364	ZIP2	zinc transporter 2
13346141	9.34	7.9	2.71	0.022185	0.326278	AT1G30230	elongation factor 1-delta 1
13366245	9.34	8.34	2	0.041579	0.367829	AT1G10590	replication factor A1
13447702	9.34	8.82	1.43	0.139215	0.466238	AT3G11130	Clathrin, heavy chain
13369407	9.34	9.46	-1.08	0.274932	0.550583	BTF3	basic transcription factor 3
13545166	9.34	9.7	-1.28	0.493004	0.660367	orfX	orfX
13544959	9.34	9.82	-1.39	0.074263	0.410257	rps2	30S ribosomal protein S2
13544932	9.34	10.57	-2.34	0.191181	0.504398	rpl23	50S ribosomal protein L23
13545045	9.34	10.57	-2.34	0.191181	0.504398	rpl23	50S ribosomal protein L23
13494887	9.33	9.38	-1.03	0.590403	0.72711	AT4G37830	cytochrome c oxidase subunit VIa
13501312	9.33	9.57	-1.18	0.330232	0.575506	AT5G14030	translocon-associated protein subunit beta
13545250	9.33	9.67	-1.26	0.542216	0.693958	cox2	cytochrome c oxidase subunit 2

13520077	9.32	8.46	1.81	0.055575	0.388013	STR18	sulfurtransferase 18
13457315	9.32	9.25	1.05	0.840818	0.899721	ALDH2B4	aldehyde dehydrogenase 2B4
13419844	9.31	8.56	1.68	0.030575	0.350098	SFGH	S-formylglutathione hydrolase
13390498	9.31	8.73	1.49	0.087063	0.422399	MLP329	MLP-like protein 329
13542906	9.31	8.81	1.41	0.068583	0.406403	ADK1	adenylate kinase 1
13545000	9.31	9.36	-1.04	0.627893	0.751846	atpB; atpE	ATPase beta chain; ATP synthase epsilon chain
13459187	9.31	9.48	-1.13	0.521279	0.679824	AT3G52730	ubiquinol-cytochrome c reductase subunit 9
13545368	9.31	9.5	-1.14	0.083468	0.417888	nad1	NADH dehydrogenase subunit 1
13545217	9.31	9.75	-1.35	0.02314	0.330182	AT2G07696; rps7	ribosomal protein S7
13449395	9.3	6.84	5.49	0.014617	0.313095	AT3G14280	hypothetical protein
13500977	9.3	8.34	1.95	0.046558	0.377399	Rap2.6L	ethylene-responsive transcription factor ERF113
13391738	9.3	8.7	1.52	0.188247	0.50249	AT2G04900; SCL21	hypothetical protein; scarecrow-like protein 21
13457612	9.3	8.92	1.3	0.092762	0.429659	EMB1080	40S ribosomal protein S11-1
13544957	9.3	10.35	-2.07	0.224305	0.524988	atpI	ATPase IV subunit
13442241	9.29	8.54	1.69	0.01289	0.304248	CYSC1	cysteine synthase C1
13492676	9.29	9.01	1.21	0.344892	0.579915	GAMMA-VPE	vacuolar-processing enzyme gamma-isozyme
13545206	9.29	9.13	1.11	0.279706	0.553852	AT2G07671; atp9	ATP synthase subunit 9; ATPase subunit 9
13363312	9.28	8.61	1.59	0.068112	0.406286	AT1G04680	putative pectate lyase 1
13545027	9.28	8.98	1.23	0.038153	0.363017	rps11	30S ribosomal protein S11
13491077	9.28	9.14	1.1	0.448688	0.635082	AT4G29410	60S ribosomal protein L28-2
13392313	9.28	10.48	-2.31	0.27697	0.55162	AT2G07722	hypothetical protein
13544858	9.28	10.52	-2.36	0.000306	0.181632	rbcL	RuBisCO large subunit
13528308	9.27	8.75	1.44	0.102387	0.43559	ACL5	Thermospermine synthase ACAULIS5
13500075	9.27	9.09	1.14	0.321909	0.571488	AT5G10780	hypothetical protein
13543731	9.27	9.66	-1.32	0.099246	0.433828	HB5	homeobox-leucine zipper protein ATHB-5
13505799	9.26	8.47	1.73	0.083243	0.417856	IAA28	auxin-responsive protein IAA28
13455519	9.26	8.88	1.3	0.335634	0.576654	AT3G42050	V-type proton ATPase subunit H
13537173	9.26	8.88	1.3	0.229053	0.52681	CB5-D; AT5G48800	cytochrome B5 isoform D; Phototropic-responsive NPH3 protein
13420099	9.26	9	1.2	0.323916	0.572926	AT2G41840	40S ribosomal protein S2-3
13460707	9.26	9.52	-1.19	0.538405	0.691451	CCH	copper chaperone
13345472	9.25	8.29	1.95	0.047185	0.377622	GH3.17	indole-3-acetic acid-amido synthetase GH3.17
13463847	9.25	8.42	1.77	0.060728	0.396635	RPS13A	40S ribosomal protein S13-2
13412413	9.25	8.54	1.63	0.090998	0.427987	AT2G24550	hypothetical protein
13473970	9.25	8.66	1.51	0.018535	0.321499	AT4G26710	ATPase, V0 complex, subunit E
13402521	9.24	8.04	2.3	0.081063	0.41589	AT2G38800	calmodulin-binding protein-like protein
13497590	9.24	8.43	1.75	0.040049	0.365591	AT5G04750; AT5G04760	putative F1F0-ATPase inhibitor protein; duplicated SANT DNA-binding domain-containing protein
13544925	9.24	8.64	1.51	0.466081	0.644758	ndhB	NADH dehydrogenase subunit 2
13545051	9.24	8.64	1.51	0.466081	0.644758	ndhB	NADH dehydrogenase subunit 2
13446871	9.24	8.74	1.41	0.110143	0.441206	MT2A	metallothionein 2A
13349772	9.24	9.03	1.15	0.182643	0.497473	NUC-L1	nucleolin
13426093	9.23	9.06	1.12	0.575208	0.716453	AT3G09500	60S ribosomal protein L35-1
13353633	9.22	8	2.33	0.086323	0.421791	PEN3	ABC transporter G family member 36

13488727	9.22	8.66	1.47	0.193951	0.505856	LACS4	long chain acyl-CoA synthetase 4
13469964	9.22	9.32	-1.08	0.282084	0.555268	AT4G17520	plasminogen activator inhibitor 1 RNA-binding protein
13354356	9.21	7.07	4.41	0.005541	0.277927	ACO2	aminocyclopropanecarboxylate oxidase
13542443	9.21	7.66	2.93	0.028661	0.34713	PRH75	DEAD-box ATP-dependent RNA helicase 7
13492320	9.21	7.7	2.86	0.023696	0.331326	VAMP711	vesicle-associated membrane protein 711
13530101	9.21	8.45	1.69	0.047587	0.37767	SLAH3	SLAC1 homologue 3
13406260	9.21	9.02	1.14	0.400574	0.606185	UNE5; AT2G47480	protein disulfide-isomerase A6; hypothetical protein
13418662	9.21	9.07	1.1	0.009771	0.296261	MVD1	mevalonate diphosphate decarboxylase 1
13545343	9.2	8.99	1.16	0.705203	0.805969	ccb203	cytochrome c biogenesis orf203
13344946	9.2	9.15	1.03	0.888948	0.931997	AT1G27030	hypothetical protein
13500450	9.2	9.33	-1.1	0.711872	0.81034	NADP-ME2	malate dehydrogenase (oxaloacetate-decarboxylating)(NADP+)
13490760	9.19	8.57	1.54	0.05728	0.392016	EXPB3	expansin B3
13443140	9.19	9.13	1.04	0.868079	0.917947	AT3G01290	Hypersensitive-induced response protein 3
13416526	9.18	7.9	2.43	0.057824	0.39275	AT2G33830	dormancy/auxin associated protein
13493371	9.18	8.36	1.76	0.035615	0.356207	AT4G34180	cyclase family protein
13389565	9.18	8.54	1.55	0.081415	0.416553	GAPCP-1	glyceraldehyde 3-phosphate dehydrogenase
13443786	9.18	8.75	1.35	0.099815	0.434356	IPP2	Isopentenyl-diphosphate Delta-isomerase II
13356141	9.18	8.86	1.24	0.138582	0.46568	AT1G67430	60S ribosomal protein L17-2
13485490	9.18	8.97	1.15	0.248932	0.536634	ATG8F	autophagy-related protein 8f
13545005	9.18	9.9	-1.65	0.003559	0.253459	psbL	PSII reaction center subunit XII
13464471	9.17	8.98	1.14	0.297055	0.562225	AT4G01610	cathepsin B
13373034	9.16	9.24	-1.06	0.44063	0.629916	STZ	zinc finger protein STZ/ZAT10
13545331	9.16	9.61	-1.37	0.524836	0.682416	AT2G07771; ccb256; AT2G07681	putative cytochrome c biosynthesis ccmC-like mitochondrial protein; cytochrome c biogenesis orf256
13390112	9.15	8.41	1.68	0.023698	0.331326	TPR1	Topless-related protein 1
13362241	9.15	8.95	1.15	0.348381	0.580705	MAGO	protein mago nashi
13492088	9.15	9.32	-1.13	0.261055	0.543066	RPS6	40S ribosomal protein S6-1
13534425	9.14	8.24	1.87	0.048048	0.37767	DL1	dynamin-related protein 1A
13524324	9.14	8.36	1.72	0.040537	0.365846	EMB3010	40S ribosomal protein S6-2
13544919	9.14	10.04	-1.86	0.510608	0.672401		
13545058	9.14	10.04	-1.86	0.510608	0.672401		
13342297	9.13	6.7	5.39	0.007758	0.290374	AT1G19530	hypothetical protein
13544866	9.13	8.68	1.36	0.028302	0.345709	cemA	heme-binding protein
13385870	9.13	8.92	1.16	0.033809	0.354018	MLP34	MLP-like protein 34
13520180	9.13	9.54	-1.33	0.326853	0.574063		
13536025	9.12	8.71	1.32	0.060185	0.395762	AT5G46020	hypothetical protein
13455910	9.12	8.92	1.15	0.294187	0.560481	AT3G44100	MD-2-related lipid recognition domain-containing protein
13432252	9.12	9.27	-1.1	0.406844	0.609755	AT3G23390; AT4G14320	60S ribosomal protein L36a
13362796	9.11	7.4	3.27	0.058615	0.394106		
13342012	9.11	8.12	1.99	0.046612	0.377465	AT1G18880	putative peptide/nitrate transporter
13435857	9.1	8.14	1.94	0.02404	0.332187	AT3G45710	major facilitator protein
13455917	9.1	8.41	1.61	0.020509	0.324125	ATJ3	chaperone protein dnaJ 3
13421292	9.1	8.49	1.53	0.123931	0.453788	RAB6A	Ras-related protein RABH1B

13386738	9.1	8.71	1.31	0.203879	0.511039	AT1G73230	nascent polypeptide-associated complex subunit beta
13462548	9.1	8.91	1.15	0.29328	0.559559	AT3G60770	40S ribosomal protein S13-1
13439488	9.1	8.98	1.09	0.452315	0.636652	BME3	GATA transcription factor 8
13349413	9.1	9.36	-1.2	0.221079	0.522327	AT1G47970	hypothetical protein
13517231	9.09	8.63	1.38	0.076938	0.411576	ADF3	actin depolymerizing factor 3
13514489	9.09	8.9	1.14	0.439374	0.62933	GLT1	glutamate synthase 1 [NADH]
13545381	9.09	8.94	1.11	0.54686	0.697155	atp1	ATPase subunit 1
13535434	9.09	9.37	-1.21	0.188446	0.502787	AT5G44550	hypothetical protein
13545062	9.09	9.55	-1.37	0.124251	0.453788	ndhD	NADH dehydrogenase subunit 4
13412805	9.08	8.09	1.99	0.065552	0.402176	EBF1	EIN3-binding F-box protein 1
13451603	9.08	8.52	1.47	0.063523	0.399503	TCP-1	T-complex protein 1 subunit alpha
13341616	9.08	8.61	1.38	0.232999	0.528793	ATARCA	guanine nucleotide-binding protein subunit beta-like protein
13406708	9.08	8.62	1.38	0.139014	0.466075	AT2G01250	60S ribosomal protein L7-2
13352829	9.07	7.94	2.19	0.006878	0.285606	emb1303	embryo defective 1303 protein
13545385	9.07	8.34	1.66	0.327994	0.574416	nad1	NADH dehydrogenase subunit 1
13396250	9.07	8.86	1.16	0.336632	0.576994	AT2G23120	Late embryogenesis abundant protein, group 6
13415394	9.06	8.24	1.76	0.0924	0.429659	DS2	delta-9 acyl-lipid desaturase 2
13424039	9.06	8.68	1.3	0.298424	0.562461	GAPC1	glyceraldehyde-3-phosphate dehydrogenase, cytosolic
13446771	9.06	8.87	1.14	0.509147	0.671637	AT3G09200	60S acidic ribosomal protein P0-2
13519530	9.06	9.33	-1.21	0.233197	0.529048	ANNAT2	annexin D2
13426976	9.05	8.2	1.81	0.056342	0.389085	AT3G11830	TCP-1/cpn60 chaperonin family protein
13423162	9.05	8.8	1.19	0.210504	0.515759	MPPBETA	mitochondrial processing peptidase
13501797	9.05	8.83	1.16	0.201724	0.510189	AT5G15320	hypothetical protein
13452765	9.04	7.67	2.59	0.036885	0.359989	IAA2	auxin-responsive protein IAA2
13372250	9.04	7.86	2.26	0.067389	0.405555	AT1G25260	Ribosomal protein L10 family protein
13404391	9.04	8.34	1.63	0.085447	0.42044	AT2G43160	clathrin interactor EPSIN 2
13495244	9.04	8.45	1.51	0.089716	0.426754	AT4G38510	V-type proton ATPase subunit B2
13438494	9.04	8.64	1.32	0.079574	0.414219	ATPQ	ATP synthase subunit d
13357100	9.04	8.67	1.29	0.143136	0.469019	RPL34	60S ribosomal protein L34-2
13443925	9.04	8.72	1.24	0.326448	0.573808	AT3G03100	putative NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 12
13365554	9.04	9.13	-1.06	0.255665	0.540325	CRT1b	calreticulin-2
13490383	9.03	5.77	9.6	0.000592	0.207323	AT4G27450	aluminum induced protein with YGL and LRDR motifs
13523666	9.03	8.99	1.03	0.904136	0.94134	AT5G08670	F-type H+-transporting ATPase subunit beta
13444660	9.03	9.26	-1.17	0.305899	0.565119	PR4	hevein-like protein
13339084	9.03	9.83	-1.75	0.111389	0.442936		
13519160	9.02	8.45	1.48	0.205546	0.512407	AGP1	arabinogalactan protein 1
13515509	9.02	9.17	-1.11	0.450539	0.635781	NOI	RPM1-interacting protein 4 (RIN4) family protein
13378962	9.02	9.35	-1.25	0.090746	0.427844	mMDH1	malate dehydrogenase 1
13408380	9.02	10.24	-2.33	0.014915	0.313095	AT2G07732	ribulose-bisphosphate carboxylase
13540128	9.01	8.81	1.15	0.473113	0.648252	AT5G56710	60S ribosomal protein L31-3
13339000	9.01	9.24	-1.17	0.223592	0.524399	GLX1	lactoylglutathione lyase-like protein
13404718	9	7.07	3.81	0.032385	0.353134	ARL	ARGOS-like protein

13449182	9	8.43	1.47	0.018431	0.321469	EIF4A1	translational initiation factor 4A-1
13344373	9	9.07	-1.05	0.736306	0.827448		
13471118	9	9.37	-1.29	0.244924	0.535223	AT4G20300	hypothetical protein
13360516	8.99	7.78	2.3	0.075376	0.410503	RAP2.4	ethylene-responsive transcription factor RAP2-4
13406361	8.99	8.81	1.13	0.643836	0.762651	AT2G47610	60S ribosomal protein L7a-1
13521505	8.99	8.95	1.03	0.675261	0.784721	AT5G03380	heavy metal transport/detoxification domain-containing protein
13480303	8.99	9.23	-1.18	0.363255	0.588601	ATOZI1	hypothetical protein
13544829	8.99	9.56	-1.48	0.017143	0.319147		
13545064	8.99	9.62	-1.56	0.017456	0.319218	psaC	photosystem I iron-sulfur center
13528452	8.98	7.43	2.92	0.036517	0.359373	AT5G19890	peroxidase 59
13386563	8.98	8.12	1.82	0.116321	0.446833	NF-YA3	nuclear transcription factor Y subunit A-3
13485611	8.98	8.6	1.31	0.073061	0.408856	AT4G16720	60S ribosomal protein L15-1
13399372	8.98	8.67	1.24	0.446752	0.63389	AT2G31490	hypothetical protein
13391902	8.98	8.78	1.15	0.277993	0.552613	ACO3	aconitate hydratase 2
13545285	8.98	8.96	1.01	0.974746	0.985051	nad5	NADH dehydrogenase subunit 5
13393042	8.97	6.64	5.02	0.007818	0.290374		
13544303	8.97	6.77	4.6	0.003058	0.253459	AT5G66440	hypothetical protein
13497264	8.97	7.01	3.89	0.02263	0.328244	AT5G04080	hypothetical protein
13534235	8.97	8.31	1.58	0.055468	0.387926	AT5G41520	40S ribosomal protein S10-2
13511391	8.97	8.56	1.33	0.336457	0.576994	AT5G46760	transcription factor ATR2
13502133	8.97	8.69	1.21	0.328926	0.574675	AT5G16130	40S ribosomal protein S7-3
13350929	8.97	8.85	1.08	0.665842	0.778077	AT1G51650	ATP synthase subunit epsilon
13421776	8.97	8.94	1.02	0.814807	0.881615	AT2G45820	Remorin
13486973	8.96	8.18	1.71	0.006909	0.285606	ARA7	Ras-related small GTP-binding family protein
13493992	8.96	8.36	1.51	0.139249	0.466238	ACO1	aconitate hydratase 1
13544430	8.96	8.5	1.38	0.038185	0.363017	DGL1	oligosaccharyltransferase complex subunit beta
13425397	8.96	9.08	-1.08	0.097462	0.433188	AT3G07230	wound-responsive-related protein
13545075	8.96	9.41	-1.37	0.326528	0.573808	ndhH	NADH dehydrogenase 49 kDa subunit
13342322	8.95	6.95	4.02	0.006162	0.280665	AT1G19600	pfkB-type carbohydrate kinase-like protein
13432397	8.95	8.3	1.57	0.202689	0.510485	AT3G23600	dienelactone hydrolase family protein
13533884	8.95	8.33	1.54	0.098089	0.433275	AT5G40450	hypothetical protein
13429732	8.95	8.53	1.33	0.002736	0.253459	GLN1.3	glutamine synthetase cytosolic isozyme 1-3
13397409	8.94	7.49	2.73	0.0177	0.319218		
13459706	8.94	8.61	1.26	0.246082	0.535608	AT3G53990	universal stress protein (USP) family protein
13432956	8.94	8.66	1.22	0.386495	0.598595	ERD2B	ER lumen protein retaining receptor
13395330	8.94	8.77	1.13	0.356598	0.584728	AT2G21160	translocon-associated protein subunit alpha
13424730	8.94	8.8	1.1	0.625872	0.750499	RPL18	60S ribosomal protein L18-2
13370075	8.94	9.25	-1.24	0.041762	0.368024	DHAR1	glutathione S-transferase DHAR1
13509947	8.94	9.77	-1.78	0.011448	0.297771	AT5G43150	hypothetical protein
13476018	8.93	7.99	1.92	0.038897	0.364658	AT4G31354	hypothetical protein
13446447	8.93	8.12	1.75	0.084421	0.418416	AT3G08530	Clathrin, heavy chain
13541724	8.93	8.68	1.19	0.264124	0.545088	PDIL1-4	protein disulfide-isomerase A1
13509894	8.93	8.69	1.18	0.33051	0.575684	TRX3	thioredoxin H3
13439741	8.93	8.76	1.12	0.61016	0.739998	TPI	triosephosphate isomerase
13499982	8.93	8.85	1.06	0.671476	0.782049		
13431006	8.93	8.91	1.02	0.812068	0.879805	AT3G20362	hypothetical protein

13461111	8.92	7.87	2.08	0.040649	0.365846	EIF3E	translation initiation factor eIF-3 subunit 6
13466180	8.92	8.19	1.66	0.062262	0.398248	AT4G07825	hypothetical protein
13373323	8.92	8.61	1.24	0.150431	0.473213	AT1G28400	hypothetical protein
13475951	8.91	8.25	1.58	0.147521	0.471644	AT4G31290	chaC-like protein
13479235	8.91	8.28	1.55	0.003152	0.253459	AT4G38550	phospholipase like protein (PEARLI 4)
13508883	8.91	8.31	1.52	0.120308	0.451699	G6PD6	glucose-6-phosphate dehydrogenase 6
13380382	8.91	8.4	1.43	0.094734	0.431106	SAR1B	GTP-binding protein SAR1B
13377974	8.91	8.49	1.34	0.149591	0.472476	ERF3	ethylene-responsive transcription factor 3
13376617	8.91	8.73	1.13	0.648618	0.766334	SDH5	succinate dehydrogenase 5
13469066	8.91	8.73	1.13	0.155912	0.478792	AT4G15470	BI1-like protein
13363393	8.91	9.15	-1.18	0.020989	0.324281	AT1G04850	ubiquitin-associated (UBA)/TS-N domain-containing protein
13516261	8.9	7.88	2.02	0.031078	0.351113	AT5G57655	xylose isomerase
13399125	8.9	7.92	1.98	0.105689	0.437428	AT2G30930	hypothetical protein
13500114	8.9	8.23	1.59	0.071677	0.408234	AT5G10960	putative CCR4-associated factor 1-10
13458947	8.9	8.75	1.11	0.41309	0.613656	NRPB11	DNA-directed RNA polymerase II subunit RPB11
13399081	8.9	8.79	1.08	0.685788	0.792091	GSTF10	glutathione S-transferase ERD13
13475986	8.9	8.98	-1.05	0.692355	0.796907	AT4G31340	myosin heavy chain-related protein
13479539	8.89	7.84	2.07	0.18916	0.503111		
13381143	8.89	7.96	1.9	0.000152	0.167423	AT1G59960	putative Aldo/keto reductase
13401602	8.89	8.51	1.31	0.183017	0.497876	AT2G36580	pyruvate kinase-like protein
13453965	8.89	8.61	1.21	0.160603	0.483101	TIP2	aquaporin TIP1-2
13495576	8.89	8.66	1.17	0.430014	0.622997	RD19	cysteine proteinase RD19a
13516807	8.89	8.8	1.06	0.571906	0.714052	ROC7	Peptidyl-prolyl cis-trans isomerase CYP20-1
13542631	8.88	7.86	2.03	0.087436	0.423319	AT5G62680	putative peptide/nitrate transporter
13390367	8.88	7.96	1.89	0.004729	0.265011	AT2G01190	octicosapeptide/Phox/Be.1 domain-containing protein
13484009	8.88	8.36	1.43	0.024965	0.33454	IIL1	3-isopropylmalate dehydratase
13416487	8.88	8.38	1.41	0.250106	0.53747	PHO2	putative ubiquitin-conjugating enzyme E2 24
13522192	8.88	8.51	1.3	0.003066	0.253459	UBC22	ubiquitin-conjugating enzyme E2 22
13411669	8.88	9.05	-1.12	0.518413	0.677633	HB6	homeobox-leucine zipper protein ATHB-6
13544851	8.88	9.57	-1.62	0.051445	0.382129		
13492540	8.87	7.98	1.86	0.079075	0.414078	KAT3	Potassium channel KAT3
13454220	8.87	7.99	1.85	0.045181	0.375052	AT3G27030	hypothetical protein
13463594	8.87	8.25	1.53	0.035003	0.355472	MARD1	hypothetical protein
13394171	8.87	8.36	1.42	0.031651	0.352537	AT2G18370	non-specific lipid-transfer protein 8
13416780	8.87	8.69	1.14	0.618087	0.745405	AT2G34480	60S ribosomal protein L18a-2
13476112	8.86	8.61	1.19	0.176879	0.49325	HCF153	high chlorophyll fluorescence 153 protein
13488662	8.86	8.67	1.14	0.086094	0.421381	CDPK6	calcium-dependent protein kinase 6
13513992	8.85	8.01	1.79	0.04395	0.373428	FIB1	rRNA 2'-O-methyltransferase fibrillarin 1
13390965	8.85	8.08	1.7	0.138793	0.465734	UBC2	ubiquitin-conjugating enzyme E2 A
13392224	8.85	8.16	1.62	0.002149	0.253459	AT2G07676	hypothetical protein
13425881	8.85	8.31	1.45	0.041001	0.366381	AT3G08930	LMBR1-like membrane protein
13500373	8.85	8.56	1.22	0.366881	0.590326	AT5G11500	hypothetical protein
13544961	8.85	8.97	-1.09	0.730483	0.823579	rpoC2	RNA polymerase beta" chain
13353911	8.84	7.66	2.26	0.045355	0.375052	SCRL7	defensin-like protein 249
13460679	8.84	8.29	1.47	0.11525	0.446247	ALPHA-SNAP2	alpha-soluble NSF attachment protein 2
13542275	8.84	9.01	-1.12	0.539859	0.692057	CNX1	calnexin 1

13461651	8.84	9.02	-1.13	0.412285	0.61329	AT3G58550	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13482787	8.83	6.27	5.87	0.05735	0.392069	NIP5;1	putative aquaporin NIP5-1
13490242	8.83	7.43	2.64	0.081734	0.416797	AT4G27130	protein translation factor SUI1-1
13374626	8.83	7.46	2.58	0.039882	0.365591	ABCG14	ABC transporter G family member 14
13373670	8.83	7.91	1.9	0.096903	0.433048	ML5	MEI2-like protein 5
13447601	8.83	8.01	1.77	0.015062	0.313401	GLY2	Hydroxyacylglutathione hydrolase cytoplasmic
13450405	8.83	8.06	1.7	0.100392	0.434607	AT3G17020	universal stress protein (USP) family protein
13348609	8.83	8.46	1.29	0.189348	0.503111	RP1	60S ribosomal protein L3-1
13449748	8.83	8.54	1.22	0.052511	0.382994	MT3	metallothionein 3
13371218	8.83	8.57	1.2	0.208417	0.514037	GRF10	14-3-3-like protein GF14 epsilon
13495080	8.83	8.75	1.05	0.532885	0.687805	HD1	histone deacetylase 1/2
13519622	8.83	8.89	-1.04	0.736893	0.827705	TGA1	transcription factor TGA1
13502621	8.83	9.21	-1.3	0.213208	0.518061	GAD	glutamate decarboxylase 1
13442601	8.82	7.88	1.92	0.048402	0.37767	ARFA1E	ADP-ribosylation factor A1E
13512157	8.82	8.26	1.47	0.032985	0.354018	AT5G48385	FRIGIDA-like protein
13528377	8.82	8.41	1.32	0.204629	0.511475	AT5G19760	Mitochondrial substrate carrier family protein
13334877	8.82	8.43	1.31	0.168249	0.487067	SAM1	S-adenosylmethionine synthetase 1
13426654	8.82	8.78	1.03	0.882502	0.928397	MSD1	Superoxide dismutase [Mn]
13497539	8.82	8.96	-1.1	0.703015	0.80436	SIR	sulfite reductase
13473149	8.82	9.07	-1.19	0.101865	0.435397	HVA22D	HVA22-like protein d
13357208	8.81	4.91	14.9	0.004476	0.262292	TH8	thioredoxin H8
13374863	8.81	7.65	2.23	0.146984	0.470962	NRT1.5	nitrate transporter 1.5
13416317	8.81	7.67	2.2	0.030214	0.350098	MAC3B	Pre-mRNA-processing factor 19-2
13466869	8.81	7.8	2.02	0.067628	0.405582	AT4G09830; AT4G09840	hypothetical protein
13465988	8.81	8.01	1.73	0.08932	0.426215	UBQ10; UBQ14; UBQ11	polyubiquitin 10; polyubiquitin 14; ubiquitin 11
13335465	8.81	8.08	1.66	0.144347	0.46949	NAP4	non-intrinsic ABC protein 4
13347013	8.81	8.13	1.6	0.065713	0.402693	RCD1	WWE protein-protein interaction domain family protein
13525589	8.81	8.2	1.53	0.137009	0.465596	AT5G13420	transaldolase
13457634	8.81	8.61	1.15	0.026643	0.339318	AT3G48990	AMP-dependent synthetase and ligase-like protein
13534804	8.81	8.71	1.07	0.772092	0.851495	AT5G43060	Granulin repeat cysteine protease family protein
13545264	8.81	9.91	-2.14	0.02574	0.33601	ArthMp025	hypothetical protein
13350054	8.8	6.2	6.05	0.024889	0.33454	AT1G49570	peroxidase 10
13473082	8.8	7.6	2.28	0.050218	0.380236	AT4G24690	ubiquitin-associated (UBA) zinc-finger and PB1 domain-containing protein
13478698	8.8	7.65	2.23	0.082109	0.417191	AT4G37180	myb family transcription factor
13366187	8.8	7.83	1.97	0.035344	0.355898	ARR4	two-component response regulator ARR4
13431814	8.8	8.08	1.64	0.161944	0.483684	TIC	protein TIME FOR COFFEE
13489014	8.8	8.32	1.4	0.215514	0.519459	PGI1	phosphoglucose isomerase 1
13370371	8.8	8.37	1.36	0.137538	0.46568	AT1G20225	TRX domain-containing protein
13492351	8.8	8.51	1.22	0.024545	0.333211	SDH3-2; SDH3-1	succinate dehydrogenase 3-2; succinate dehydrogenase 3-1
13433216	8.79	7.57	2.33	0.00724	0.288531	BHLH32	transcription factor AIG1

13494193	8.79	8.07	1.65	0.026217	0.337568	FAH1	ferulic acid 5-hydroxylase 1
13448934	8.79	8.11	1.6	0.023862	0.331575	AT3G13410	hypothetical protein
13440151	8.79	8.38	1.33	0.269488	0.547909	AT3G56310	alpha-galactosidase
13497549	8.79	8.62	1.12	0.594327	0.729397	AT5G04600	RNA recognition motif-containing protein
13390305	8.79	8.69	1.07	0.909502	0.945045	AT2G01008	hypothetical protein
13346009	8.79	9.02	-1.17	0.232809	0.528669	AT1G29850	double-stranded DNA-binding-like protein
13545079	8.79	9.19	-1.32	0.125741	0.454885	ycf1	Ycf1; ycf1
13544718	8.79	9.34	-1.46	0.068135	0.406286	LBD37	LOB domain-containing protein 37
13388748	8.79	9.64	-1.81	0.015851	0.315359	NIA1	nitrate reductase [NADH]
13508897	8.78	6.49	4.91	0.048162	0.37767	LHT1	Lysine histidine transporter 1
13419663	8.78	7.21	2.96	0.046039	0.376853	ERS1	ethylene response sensor 1
13410055	8.78	7.83	1.93	0.006014	0.280665		
13353669	8.78	7.96	1.76	0.107037	0.439338	E1 ALPHA	pyruvate dehydrogenase complex E1 alpha subunit
13534593	8.78	8.06	1.65	0.022265	0.326488	CYP71A16	cytochrome P450 71A16
13413953	8.78	8.11	1.59	0.14977	0.472607	AXS1	UDP-D-apiose/UDP-D-xylose synthase 1
13465037	8.78	8.12	1.58	0.132625	0.462428	BZO2H1	bZIP transcription factor-like protein
13360489	8.78	8.4	1.3	0.312981	0.567941	AT1G78040	pollen Ole e 1 allergen and extensin family protein
13468578	8.78	8.41	1.29	0.100093	0.434576	AT4G14615	hypothetical protein
13422125	8.77	8.15	1.54	0.180474	0.495835	HB-7	homeobox-leucine zipper protein ATHB-7
13534772	8.77	8.45	1.25	0.243869	0.534763	UBC18	putative ubiquitin-conjugating enzyme E2 18
13524864	8.77	8.51	1.2	0.308341	0.566321	AT5G11560	PQQ_DH domain-containing protein
13504496	8.77	8.52	1.19	0.32528	0.573176	FAR1	fatty acyl-CoA reductase 1
13417485	8.77	9.62	-1.81	0.0061	0.280665	AT2G36100	hypothetical protein
13520646	8.76	7.64	2.17	0.001574	0.250556	AT5G01020	protein kinase family protein
13541939	8.76	7.9	1.82	0.060637	0.396635	ECT3	evolutionarily conserved C-terminal region 3 protein
13454865	8.76	8.28	1.39	0.079127	0.414078	AT3G28710	V-type proton ATPase subunit d1
13411482	8.76	8.7	1.04	0.818694	0.884068	MGP1	putative ATP synthase subunit
13469163	8.76	9.07	-1.24	0.229622	0.52717	AT4G15610	hypothetical protein
13459803	8.75	6.74	4.04	0.013822	0.310585	TBL36	protein trichome birefringence-like 36
13510756	8.75	7.88	1.83	0.075956	0.410503	RHA1	Ras-related protein RHA1
13419385	8.75	8.11	1.56	0.123855	0.453788	AT2G40360	transducin/WD-40 repeat-containing protein
13372435	8.75	8.19	1.46	0.170503	0.488635	DCP5	protein decapping 5
13360839	8.75	8.23	1.44	0.167283	0.486855	VHA-A	V-type proton ATPase catalytic subunit A
13443056	8.75	8.28	1.38	0.266999	0.546492	MTO1	cystathionine gamma-synthase
13364859	8.75	8.58	1.13	0.466878	0.645035	RPS15A; AT5G59850	40S ribosomal protein S15a-1
13493739	8.75	8.65	1.07	0.647248	0.765202	AT4G35160	O-methyltransferase family 2 protein
13435814	8.74	7.61	2.19	0.079103	0.414078	MPK3	extracellular signal-regulated kinase 1/2
13448390	8.74	8.01	1.66	0.105269	0.43719	CYSB; NF-YC11	cysteine proteinase inhibitor 6; nuclear factor Y, subunit C11
13365235	8.74	8.45	1.23	0.386842	0.598595	FATB	fatty acyl-ACP thioesterases B
13528614	8.74	8.52	1.17	0.26245	0.543595	AT5G20290	40S ribosomal protein S8-1
13413822	8.74	8.95	-1.16	0.431197	0.623731	FD3	ferredoxin 3
13429722	8.74	9.11	-1.29	0.255209	0.540321	PYD1	pyrimidine 1
13463063	8.73	7.74	1.98	0.005867	0.279573	AT3G61990	S-adenosyl-L-methionine-dependent methyltransferase-like protein
13343397	8.73	8.52	1.16	0.259413	0.542177	COX6B	cytochrome C oxidase 6B

13349676	8.73	8.65	1.06	0.749877	0.836026	PMEAMT; CPuORF31	putative phosphoethanolamine N-methyltransferase 2; conserved peptide upstream open reading frame 31
13436459	8.73	9.38	-1.56	0.051279	0.382129	MDH	malate dehydrogenase
13402290	8.72	7.46	2.4	0.001788	0.253459	PYL4	abscisic acid receptor PYL4
13494815	8.72	7.6	2.17	0.00797	0.290374	LBD39	LOB domain-containing protein 39
13378469	8.72	8.24	1.4	0.128819	0.458836	AT1G51980	putative mitochondrial-processing peptidase subunit alpha-1
13495746	8.72	8.35	1.3	0.062128	0.398248	AT4G39520	GTP-binding protein-relatedlike protein
13486789	8.72	8.46	1.2	0.347705	0.580585	AT4G19110; CPuORF25	putative serine/threonine protein kinase; uncharacerized protein
13468292	8.72	9.3	-1.5	0.065568	0.402176	GR-RBP2	glycine-rich RNA-binding protein 2
13458863	8.71	7.76	1.93	0.037448	0.360894	AT3G51890	Clathrin light chain protein
13372770	8.71	8.37	1.26	0.217854	0.520626	AT1G26850	putative methyltransferase PMT2
13372977	8.71	8.62	1.07	0.45885	0.640177	AT1G27530	ubiquitin-fold modifier-conjugating enzyme 1
13433284	8.71	10.54	-3.56	0.000685	0.211115	TPS-CIN	1,8-cineole synthase
13449376	8.7	7.4	2.47	0.05025	0.380289	RAP2.2	ethylene-responsive transcription factor RAP2-2
13517716	8.7	7.87	1.77	0.030557	0.350098	AT5G60980	nuclear transport factor 2 and RNA recognition motif domain-containing protein
13531200	8.7	8.22	1.39	0.144917	0.470007	AT5G26360	TCP-1/cpn60 chaperonin family protein
13347466	8.7	8.29	1.33	0.083224	0.417856	AT1G33470	RNA recognition motif-containing protein
13460200	8.7	8.89	-1.15	0.486907	0.656298	PDIL1-3	protein PDI-like 1-3
13402904	8.7	8.94	-1.18	0.168124	0.487067	RNS2	Ribonuclease 2
13383905	8.7	10.23	-2.89	0.041537	0.367814	BGLU21	beta-glucosidase 21
13459715	8.69	7.71	1.97	0.215211	0.519459	AT3G54040	PAR1 protein
13417961	8.69	7.83	1.82	0.07166	0.408234	AT2G36930	C2H2-type zinc finger-containing protein
13372818	8.69	7.95	1.68	0.089301	0.426215	AT1G27090	uncharacterized glycine-rich protein
13383705	8.69	8.05	1.56	0.068173	0.406315	AT1G65845	hypothetical protein
13528326	8.69	8.24	1.36	0.145359	0.470081	AT5G19590	hypothetical protein
13463727	8.69	8.62	1.05	0.701525	0.803579	AT3G63460	protein transport protein SEC31
13356287	8.69	9.28	-1.5	0.006527	0.282667	KCR1	beta-ketoacyl reductase 1
13463093	8.69	10.14	-2.74	0.006246	0.280665	AT3G62040; ROC4	haloacid dehalogenase-like hydrolase domain-containing protein; Peptidyl-prolyl cis-trans isomerase CYP20-3
13371039	8.68	3.51	35.94	0.003098	0.253459	AT1G21890	nodulin MtN21 /EamA-like transporter-like protein
13443848	8.68	7.57	2.15	0.034573	0.355201	GASA5	GAST1 protein homolog 5
13411863	8.68	7.75	1.91	0.092171	0.429607	AT2G23070	casein kinase 2, alpha polypeptide
13442643	8.68	8.19	1.4	0.295199	0.560978	AT3G62450	hypothetical protein
13492012	8.68	8.25	1.34	0.081115	0.416024	WRKY11	putative WRKY transcription factor 11
13545151	8.68	8.38	1.23	0.117165	0.447046	AT2G07708; ArthMp042; ArthMp041	hypothetical protein
13399074	8.68	8.58	1.07	0.557246	0.704047	GSTF9	glutathione S-transferase
13355847	8.68	9.02	-1.27	0.205415	0.51233	SAG24	60S ribosomal protein L10-3
13388733	8.67	6.84	3.57	0.005653	0.279536	LAX3	auxin transporter-like protein 3
13398391	8.67	7.13	2.91	0.013371	0.307458	XBAT31	putative E3 ubiquitin-protein ligase XBAT31
13414519	8.67	7.34	2.5	0.03099	0.351017	TOPP1	serine/threonine-protein phosphatase PP1 isozyme 1

13469309	8.67	7.61	2.09	0.027304	0.342	DI21	drought-induced 21 protein
13461155	8.67	7.87	1.74	0.105918	0.43765	VLN3	villin 3
13361056	8.67	8.03	1.55	0.073023	0.408824	AT1G79380	Ca(2)-dependent phospholipid-binding family protein
13432779	8.67	8.05	1.54	0.194983	0.506009	PERK1	proline extensin-like receptor kinase 1
13508390	8.67	8.35	1.25	0.152106	0.474376	SGR4; AT5G39520	vesicle transport v-SNARE 11; hypothetical protein
13429709	8.67	8.6	1.05	0.687708	0.793379	AT3G17780	hypothetical protein
13494916	8.67	8.91	-1.18	0.539359	0.691974	PCK1	phosphoenolpyruvate carboxykinase [ATP]
13402061	8.66	7.21	2.73	0.055967	0.388357	AT2G37750	hypothetical protein
13532137	8.66	7.7	1.94	0.057329	0.392016	AT5G35200	putative clathrin assembly protein
13430236	8.66	7.78	1.83	0.009888	0.296261	ACT2	actin 2
13422339	8.66	8.11	1.46	0.354692	0.584383	AT2G47130	Rossmann-fold NAD(P)-binding domain-containing protein
13445759	8.66	8.98	-1.26	0.26512	0.545766	AT3G06700	60S ribosomal protein L29-1
13492914	8.65	7.39	2.39	0.024945	0.33454	EIF3K	translation initiation factor 3 subunit K
13458245	8.65	7.88	1.7	0.079007	0.414078	AT3G50370	hypothetical protein
13396318	8.65	7.95	1.63	0.093976	0.430535	PAB4	poly(A) binding protein 4
13489511	8.65	8	1.58	0.047153	0.377622	ACYB-2	cytochrome b561/ferric reductase transmembrane family protein
13431565	8.65	8.05	1.51	0.024842	0.33454	AT3G21770	peroxidase 30
13463523	8.65	8.33	1.25	0.497858	0.663788	AT3G63052	hypothetical protein
13544913	8.65	8.48	1.13	0.08772	0.423636	rpl32	ribosomal protein L32
13421702	8.64	7.73	1.88	0.108156	0.439971	AT2G45670	lysophosphatidylcholine acyltransferase / lyso-PAF acetyltransferase
13338889	8.64	8.23	1.33	0.267754	0.546492	RBP45B	RNA recognition motif-containing protein
13508080	8.64	8.26	1.3	0.227415	0.525653	RAD23D	putative DNA repair protein RAD23-4
13545599	8.64	8.45	1.15	0.150917	0.473611	AT2G35736	hypothetical protein
13545072	8.64	8.9	-1.2	0.636384	0.758209	ndhA	NADH dehydrogenase subunit 1
13438650	8.64	8.98	-1.27	0.226868	0.52549	AT3G52800	zinc finger A20 and AN1 domain-containing stress-associated protein 6
13340590	8.63	7.78	1.8	0.008048	0.290453	AT1G15930	40S ribosomal protein S12-1
13441505	8.63	8.23	1.32	0.302357	0.563905	GDI2	RAB GDP dissociation inhibitor 2
13488344	8.63	8.25	1.3	0.125006	0.454106	GSH1; XTH4	glutamate-cysteine ligase; xyloglucan endotransglucosylase/hydrolase protein 4
13435698	8.63	8.58	1.03	0.782344	0.858401	scpl48	carboxypeptidase
13441644	8.63	8.7	-1.06	0.72691	0.821009	EIF4G	translation initiation factor eIF-4F
13461359	8.62	7.56	2.08	0.075532	0.410503	SCE1	SUMO-conjugating enzyme SCE1
13347359	8.62	7.76	1.83	0.193808	0.505856	PGY2; AT1G33120	60S ribosomal protein L9-1
13442836	8.62	7.75	1.82	0.117045	0.446922	GPX5	glutathione peroxidase
13416201	8.62	7.84	1.72	0.060427	0.396137	PKT3	3-ketoacyl-CoA thiolase 2
13338059	8.62	7.89	1.67	0.083878	0.417946	AT1G09640	elongation factor EF-1 gamma subunit
13469110	8.62	8.19	1.34	0.243925	0.534763	AT4G15545; IAGLU	hypothetical protein; indole-3-acetate beta-D-glucosyltransferase
13471752	8.62	8.22	1.31	0.236335	0.530525	ENDO5	endonuclease 5
13395016	8.62	8.38	1.18	0.276403	0.551293	AT2G20420	Succinyl-CoA ligase [GDP-forming] subunit beta
13346679	8.61	7.22	2.63	0.002436	0.253459	LBD4	LOB domain-containing protein 4
13412348	8.61	7.71	1.87	0.082665	0.417856	AT2G24360; AT2G24350	putative serine/threonine/tyrosine kinase; RNA recognition motif-containing protein

13541693	8.61	7.84	1.7	0.009733	0.296261	AT5G60460	protein transport protein SEC61 subunit beta
13438674	8.61	8.04	1.49	0.083736	0.417946	VSR1	vacuolar-sorting receptor 1
13512671	8.61	8.12	1.41	0.050752	0.381425	WRKY48	putative WRKY transcription factor 48
13423204	8.6	7.44	2.24	0.058182	0.392965	AT3G02200	Proteasome component (PCI) domain protein
13452870	8.6	7.81	1.72	0.17556	0.49233	CYN	cyanate hydratase
13449150	8.6	7.87	1.66	0.166617	0.486784	RHD3	Root hair defective 3 GTP-binding protein RHD3
13488911	8.6	7.87	1.66	0.165705	0.486229	ATR1; CER2	NADPH-ferrihemoprotein reductase; HXXXD-type acyl-transferase-like protein
13504946	8.6	8.26	1.27	0.310296	0.566973	AT5G23540	26S proteasome non-ATPase regulatory subunit 14
13477620	8.6	8.77	-1.12	0.139987	0.466502	AT4G34600	hypothetical protein
13443410	8.59	7.67	1.9	0.05512	0.387213	BET10	bromodomain and extraterminal domain protein 10
13483149	8.59	7.71	1.83	0.094388	0.430944	SGT1B	phosphatase SGT1b
13379337	8.59	7.86	1.66	0.023809	0.331326	UBP1A	oligouridylate-binding protein 1A
13428176	8.59	7.94	1.57	0.076765	0.411511	AT3G14600	60S ribosomal protein L18a-3
13351437	8.59	8.13	1.37	0.083936	0.417946	AT1G52980	putativeGTP-binding protein 2
13424849	8.59	8.28	1.24	0.441191	0.630118	ATSK12	Shaggy-related protein kinase gamma
13521384	8.59	8.42	1.13	0.341061	0.57848	AT5G02960	40S ribosomal protein S23-2
13403416	8.59	8.91	-1.25	0.034138	0.354242	AT2G40765; AT2G40770	hypothetical protein; RING-finger, DEAD-like helicase, PHD and SNF2 domain-containing protein
13401693	8.58	6.97	3.06	0.008182	0.291978	ABCB1	ABC transporter B family member 1
13528436	8.58	7.82	1.7	0.200001	0.509273	AT5G19860	hypothetical protein
13489886	8.58	7.93	1.56	0.039098	0.364658	AT4G26480	RNA-binding KH domain-containing protein
13544693	8.58	8.02	1.47	0.018818	0.321499	CKA1	casein kinase alpha 1
13544991	8.58	8.21	1.3	0.365308	0.589672	ndhJ	NADH dehydrogenase 30 kDa subunit
13545291	8.58	8.64	-1.04	0.358686	0.585867	matR	maturase
13531771	8.58	8.77	-1.14	0.282803	0.555558	AT5G28390	RNA recognition motif-containing protein
13495453	8.57	7.19	2.6	0.019201	0.321499	MTN1	methylthioadenosine nucleosidase 1
13430024	8.57	7.2	2.59	0.051463	0.382129	AT3G18280	protease inhibitor/seed storage/lipid transfer protein (LTP) family protein
13385653	8.57	7.22	2.55	0.108302	0.440216	TPS8	putative alpha,alpha-trehalose-phosphate synthase [UDP-forming] 8
13500508	8.57	8.4	1.12	0.47	0.646758	AGP15	arabinogalactan protein 15
13545227	8.57	9.16	-1.5	0.520085	0.678825	ArthMp108	hypothetical protein
13390750	8.56	7.63	1.9	0.040152	0.365591	LCR69	defensin-like protein 2
13338866	8.56	7.82	1.67	0.114198	0.445313	PMEPCRA	bifunctional pectinesterase 18/rRNA N-glycosylase
13404214	8.56	7.84	1.65	0.100389	0.434607	AT2G42780; CSY3	hypothetical protein; citrate synthase 3
13488786	8.56	8.57	-1.01	0.960259	0.976487	SHD	endoplasmin-like protein
13401525	8.56	8.83	-1.2	0.248319	0.536392	PDR6	ABC transporter G family member 34
13545003	8.56	9.45	-1.85	0.257056	0.541049	psbJ	photosystem II reaction center subunit X
13383915	8.56	10.35	-3.47	0.021822	0.325596	BGLU22	beta-glucosidase 22
13527814	8.55	7.85	1.63	0.107563	0.439522	AT5G18380	40S ribosomal protein S16-3
13406668	8.55	7.86	1.61	0.072587	0.408352	AT2G01140	fructose-bisphosphate aldolase, class I
13420413	8.55	8.09	1.38	0.161537	0.483432	PP2A-3	serine/threonine-protein phosphatase PP2A-4 catalytic subunit

13385482	8.55	8.28	1.21	0.286609	0.557153	WRKY36	putative WRKY transcription factor 36
13448447	8.55	8.29	1.2	0.31442	0.568148	HSP70	heat shock protein 70-4
13536485	8.55	8.47	1.06	0.56763	0.711044	AT5G47210	hyaluronan / mRNA binding-like protein
13544823	8.55	9.64	-2.12	0.069419	0.406403	psbK	PSII K protein
13544880	8.55	9.96	-2.65	0.003478	0.253459	psbB	photosystem II P680 chlorophyll A apoprotein
13362014	8.54	7.75	1.72	0.082869	0.417856	PIP1C	aquaporin PIP1-3
13475502	8.54	8.08	1.37	0.186073	0.500418	ATR2	NADPH-ferrihemoprotein reductase
13545395	8.54	8.56	-1.01	0.822012	0.886057	AT2G07695; ArthMp104; cox2	cytochrome c oxidase subunit II; hypothetical protein; cytochrome c oxidase subunit 2
13337327	8.54	8.61	-1.05	0.51379	0.674811	DCP1	mRNA-decapping enzyme-like protein
13428296	8.53	7.76	1.7	0.100505	0.434659	AT3G14840	Leucine-rich repeat transmembrane protein kinase
13360631	8.53	7.94	1.51	0.18811	0.502321	GRF2	14-3-3-like protein GF14 omega
13386338	8.53	8.11	1.34	0.161889	0.483588	P40	40S ribosomal protein Sa-1
13544937	8.53	9.97	-2.71	0.375846	0.593207		
13433273	8.53	10.46	-3.8	0.001397	0.244504	TPS-CIN	1,8-cineole synthase
13370326	8.52	7.54	1.97	0.131865	0.461899	ATSBT5.2	Subtilisin-like serine endopeptidase-like protein
13340713	8.52	7.56	1.96	0.064423	0.401001	AT1G16180	serinc-domain containing protein
13413344	8.52	7.7	1.77	0.120422	0.451885	KT1	Potassium channel AKT1
13367822	8.52	7.79	1.65	0.039789	0.365591	UBC1	ubiquitin-conjugating enzyme E2 1
13458837	8.52	8.03	1.41	0.086861	0.422399	ACX4	acyl-coenzyme A oxidase 4
13488692	8.52	9.52	-1.99	0.01627	0.315398	AT4G23680	SRPBCC ligand-binding domain-containing protein
13526803	8.51	7.37	2.21	0.001721	0.251026	AT5G16110	hypothetical protein
13343932	8.51	7.45	2.08	0.018923	0.321499	SPDS1	spermidine synthase 1
13518837	8.51	7.9	1.53	0.181747	0.496969	PDF2.5	defensin-like protein 6
13404945	8.51	7.91	1.51	0.337743	0.577243	PEN2	beta-glucosidase 26
13522220	8.51	7.97	1.46	0.239135	0.532377	CEV1	cellulose synthase A catalytic subunit 3 [UDP-forming]
13340009	8.51	8.13	1.3	0.116519	0.446833	SAC52	60S ribosomal protein L10-1
13400894	8.51	8.14	1.3	0.176128	0.492524	AT2G35050	octicosapeptide/Phox/Be.1 domain-containing protein kinase
13428792	8.51	8.21	1.23	0.49983	0.664973	PLDALPHA1	phospholipase D alpha 1
13348200	8.51	8.26	1.19	0.232487	0.5284	AT1G36050	Endoplasmic reticulum vesicle transporter protein
13517425	8.51	8.55	-1.02	0.802471	0.872662	ALP	thiol protease aleurain
13344517	8.5	8.09	1.33	0.223614	0.524399	RCN1	serine/threonine-protein phosphatase 2A regulatory subunit A alpha isoform
13342364	8.5	8.84	-1.27	0.154271	0.477221	PUP14	purine permease 14
13352327	8.5	9.2	-1.63	0.118625	0.448917	LOX1	lipoxygenase 1
13504162	8.49	6.39	4.29	0.009497	0.296261	AT5G21020	hypothetical protein
13530483	8.49	7.09	2.64	0.048037	0.37767	AT5G24690	hypothetical protein
13417457	8.49	7.42	2.09	0.041069	0.366381	MMZ3	ubiquitin-conjugating enzyme E2 variant 1C
13526291	8.49	7.46	2.04	0.075678	0.410503	P5CR	Pyrroline-5-carboxylate reductase
13394045	8.49	8.06	1.35	0.113899	0.44481	PIN1AT	Peptidyl-prolyl cis-trans isomerase Pin1
13506151	8.49	8.22	1.2	0.237034	0.531149	AT5G26830	threonyl-tRNA synthetase

13421636	8.48	7.45	2.04	0.062509	0.398248	AT2G45540	beige-related and WD-40 repeat-containing protein
13362231	8.48	8.01	1.38	0.137198	0.46568	RA-5	Ras-related protein RABD2A
13482338	8.48	8.03	1.37	0.413643	0.613917	AT4G08770	peroxidase 37
13372873	8.48	8.06	1.34	0.202933	0.510604	AT1G27350; AT1G27330	Ribosome associated membrane protein RAMP4
13354158	8.48	8.5	-1.01	0.936343	0.96147	AT1G61770	DnaJ domain-containing protein
13411679	8.48	8.82	-1.26	0.355135	0.584506	AGP2	arabinogalactan protein 2
13477337	8.47	7.97	1.41	0.199739	0.509072	PAB2	Polyadenylate-binding protein 2
13427503	8.47	8.08	1.31	0.209523	0.514853	EMB2769	protein CWC15
13401162	8.47	8.1	1.29	0.269708	0.547986	UBQ7	NEDD8-like protein RUB2
13372782	8.47	8.26	1.16	0.553491	0.701834	AT1G26880	60S ribosomal protein L34-1
13369315	8.47	8.36	1.08	0.59052	0.727154	ATB BETA	Protein phosphatase 2A, regulatory subunit PR55
13408134	8.47	8.64	-1.13	0.34938	0.581276	VPS2.1	vacuolar protein sorting-associated protein 2-1
13347085	8.46	7.33	2.18	0.052109	0.382443		
13465007	8.46	7.38	2.12	0.020831	0.324125	MLO1	MLO-like protein 1
13351558	8.46	7.54	1.89	0.14165	0.467992	AT1G53210	calcium-binding EF-hand domain-containing protein
13337838	8.46	7.93	1.44	0.466687	0.645004	AT5G45720; AT3G05520	AAA-type ATPase family protein; F-actin-capping protein subunit alpha
13370341	8.46	7.93	1.44	0.466687	0.645004	AT5G45720; AT3G05520	AAA-type ATPase family protein; F-actin-capping protein subunit alpha
13494665	8.46	7.93	1.44	0.466687	0.645004	AT5G45720; AT3G05520	AAA-type ATPase family protein; F-actin-capping protein subunit alpha
13531589	8.46	7.93	1.44	0.466687	0.645004	AT5G45720; AT3G05520	AAA-type ATPase family protein; F-actin-capping protein subunit alpha
13544460	8.46	7.93	1.44	0.466687	0.645004	AT5G45720; AT3G05520	AAA-type ATPase family protein; F-actin-capping protein subunit alpha
13494415	8.46	8.43	1.02	0.914075	0.947902		
13428923	8.46	8.48	-1.01	0.904581	0.941609	AT3G16080	60S ribosomal protein L37-3
13395991	8.45	7.36	2.13	0.065842	0.402786	AT2G22660	hypothetical protein
13536945	8.45	7.41	2.05	0.046934	0.377465	BIR1	probably inactive leucine-rich repeat receptor-like protein kinase
13337226	8.45	7.42	2.04	0.081867	0.416828	AT1G08110	lactoylglutathione lyase
13522103	8.45	7.5	1.94	0.096411	0.43261	CPK1	calcium dependent protein kinase 1
13538997	8.45	7.61	1.79	0.020069	0.322692	UBC10	ubiquitin-conjugating enzyme E2 10
13405574	8.45	7.76	1.61	0.073031	0.408824	PIP1B	aquaporin PIP1-2
13438387	8.45	7.77	1.6	0.04776	0.37767	AT3G52140	tetratricopeptide repeat (TPR)-containing protein
13387889	8.45	7.94	1.43	0.477004	0.650455	AT3G05520; AT5G45720	F-actin-capping protein subunit alpha; AAA-type ATPase family protein
13458322	8.45	7.94	1.43	0.477004	0.650455	AT3G05520; AT5G45720	F-actin-capping protein subunit alpha; AAA-type ATPase family protein
13528934	8.45	8.02	1.35	0.279137	0.553698	AT5G20890	TCP-1/cpn60 chaperonin family protein
13510249	8.45	8.03	1.34	0.031626	0.352537	HOT5	alcohol dehydrogenase class-3
13544995	8.45	8.93	-1.4	0.161197	0.483302	ndhC	NADH dehydrogenase subunit 3
13545361	8.45	10.29	-3.58	0.162564	0.484622	ArthMp092	hypothetical protein

13354219	8.44	5.6	7.18	0.01714	0.319147	AT1G61840	cysteine/histidine-rich C1 domain-containing protein
13542995	8.44	6.86	2.99	0.021435	0.325381	FLS5	flavonol synthase 5
13435823	8.44	7.12	2.49	0.055708	0.388271	NAXT1	nitrate excretion transporter1
13449252	8.44	7.49	1.93	0.017602	0.319218	AT3G14060; GAPC1	hypothetical protein; glyceraldehyde-3-phosphate dehydrogenase, cytosolic
13464267	8.44	7.54	1.88	0.078569	0.414078	ADNT1	adenine nucleotide transporter 1
13512251	8.44	7.83	1.52	0.0562	0.38881	AT5G48560	transcription factor bHLH78
13414972	8.44	7.85	1.5	0.177509	0.493515	C4H	trans-cinnamate 4-monooxygenase
13338096	8.44	7.99	1.36	0.090149	0.427018	AT1G09740	adenine nucleotide alpha hydrolases-like protein
13544870	8.44	8.3	1.1	0.462952	0.643066	petL	ORF31
13532080	8.44	8.46	-1.02	0.933636	0.959864	PAP26; APX1	purple acid phosphatase 26; L-ascorbate peroxidase
13391385	8.43	6.39	4.11	0.018762	0.321499	PI4K GAMMA 7	phosphoinositide 4-kinase gamma 7
13456286	8.43	7.92	1.42	0.029704	0.349008	AT3G45210	hypothetical protein
13340132	8.43	8.11	1.26	0.190307	0.503959	AT1G14670	putative endomembrane protein 70
13368205	8.43	8.1	1.26	0.264015	0.544951	CPN10	chaperonin 10
13359730	8.43	8.22	1.15	0.526891	0.684022	AT1G76200	hypothetical protein
13421348	8.43	8.41	1.02	0.461223	0.642085	UCC2	uclacyanin 2
13462836	8.43	8.51	-1.06	0.732816	0.82534	BRH1	brassinosteroid-responsive RING-H2
13535085	8.42	6.53	3.69	0.005302	0.273538	APS4	sulfate adenylyltransferase
13352842	8.42	7.27	2.21	0.047894	0.37767	AT1G56220	dormancy/auxin associated protein
13480947	8.42	7.73	1.62	0.216807	0.519968	AT4G02480	AAA-type ATPase family protein
13440968	8.42	7.93	1.4	0.009077	0.296166	AT3G58610	ketol-acid reductoisomerase
13340161	8.42	7.96	1.38	0.205569	0.512407	AT1G14730	Cytochrome b561/ferric reductase transmembrane-like protein
13354354	8.42	8.04	1.3	0.13305	0.462568	AT1G62370	RING/U-box domain-containing protein
13503011	8.42	8.13	1.22	0.101868	0.435397	AT5G18520	putative lung seven transmembrane receptor
13543866	8.42	8.21	1.16	0.283067	0.555666	GTE7	global transcription factor group E7
13402865	8.41	7.16	2.38	0.068958	0.406403	RTFL8	protein rotundifolia like 8
13533765	8.41	7.38	2.05	0.051723	0.382313	RLP54	receptor like protein 54
13426171	8.41	7.42	1.98	0.125702	0.454851	SYP71	syntaxin-71
13443591	8.41	7.44	1.97	0.025183	0.335081	BIG	E3 ubiquitin-protein ligase UBR4
13520001	8.41	7.51	1.86	0.020759	0.324125	STR16	thiosulfate sulfurtransferase
13340511	8.41	7.59	1.77	0.075225	0.410503	AT1G15740	leucine-rich repeat-containing protein
13484596	8.41	7.83	1.5	0.190004	0.503729	AT4G14420	HR-like lesion-inducing protein-like protein
13522052	8.41	8.63	-1.16	0.388477	0.599123	AT5G04740	ACT domain-containing protein
13346193	8.41	8.83	-1.34	0.046469	0.377124	ERD4	Early-responsive to dehydration stress protein (ERD4)
13544876	8.41	9.08	-1.59	0.004988	0.268309	rpl33	ribosomal protein L33
13452281	8.4	7.36	2.06	0.083959	0.417946	AHP1	histidine-containing phosphotransmitter 1
13461010	8.4	7.36	2.05	0.049346	0.378741	CBL	cystathionine beta-lyase
13483997	8.4	7.63	1.71	0.002076	0.253459	HAK5	Potassium transporter 5
13416141	8.4	7.94	1.37	0.233446	0.529162	ATP3	ATP synthase subunit gamma
13450877	8.4	8.21	1.14	0.43286	0.625185	AT3G18490	aspartyl protease family protein
13477374	8.4	8.28	1.09	0.274068	0.550583	AT4G34150	calcium-dependent lipid-binding domain-containing protein
13349060	8.4	8.31	1.06	0.594035	0.729194	AT1G45688	hypothetical protein
13386215	8.4	8.31	1.06	0.701349	0.803441	AT1G72020	hypothetical protein

13470691	8.4	8.46	-1.04	0.81178	0.879572	AT4G19160	hypothetical protein
13541860	8.4	8.48	-1.06	0.670949	0.78168	COB	protein COBRA
13404597	8.39	7.22	2.25	0.029404	0.348027	IQD14	protein IQ-DOMAIN 14
13363063	8.39	7.42	1.95	0.069209	0.406403	AT1G04140	transducin/WD-40 repeat-containing protein
13380684	8.39	7.53	1.81	0.119129	0.449468	CAT2	cationic amino acid transporter 2
13532242	8.39	7.6	1.72	0.097902	0.433275	AT5G35530	40S ribosomal protein S3-3
13484162	8.39	7.65	1.68	0.193555	0.505856	AT4G13780	methionyl-tRNA synthetase
13404722	8.39	7.71	1.6	0.044267	0.374389	GDI1	guanosine nucleotide diphosphate dissociation inhibitor 1
13437797	8.39	7.88	1.42	0.4824	0.653509	AT3G05520; AT5G45720	F-actin-capping protein subunit alpha; AAA-type ATPase family protein
13389496	8.39	7.89	1.41	0.285333	0.556359	AT1G79390	hypothetical protein
13529519	8.39	7.9	1.4	0.181206	0.496684	CSLA02	glucomannan 4-beta-mannosyltransferase 2
13511934	8.39	7.94	1.37	0.020094	0.322692	AT5G47890	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex 2
13477654	8.39	7.97	1.34	0.197748	0.507784	AT4G34670	40S ribosomal protein S3a-2
13463447	8.39	7.98	1.33	0.324182	0.572955	AT3G62870	60S ribosomal protein L7a-2
13536466	8.39	7.98	1.33	0.10079	0.434702	AT5G47180	VAMP (vesicle-associated membrane protein) family protein
13438208	8.39	8.26	1.09	0.459268	0.640466	AT3G51730	saposin B domain-containing protein
13511587	8.39	8.31	1.05	0.678551	0.787263	RAB1A	RAB GTPase-1A
13505069	8.39	8.36	1.02	0.92405	0.954199	AT5G23830	MD-2-related lipid recognition domain-containing protein
13459702	8.39	10.77	-5.18	0.000973	0.238633	AT3G53980	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13409158	8.38	5.51	7.28	0.01612	0.315398	HB1	non-symbiotic hemoglobin 1
13510915	8.38	6.97	2.66	0.049087	0.378092	AT5G45510	leucine-rich repeat-containing protein
13509444	8.38	7.77	1.53	0.055764	0.388357	AT5G42090	Lung seven transmembrane receptor family protein
13459546	8.38	7.96	1.33	0.41477	0.614208	RAB8	RAB GTPase-8
13469014	8.38	8.05	1.26	0.144394	0.469521	PUX5	UBA and UBX domain-containing protein
13514560	8.38	8.05	1.25	0.370029	0.591914	CB5-E	cytochrome b5 isoform 1
13397888	8.38	8.15	1.18	0.264959	0.545766	SKD1; AT2G27610	vacuolar protein-sorting-associated protein 4; pentatricopeptide repeat-containing protein
13404158	8.38	8.31	1.05	0.669401	0.780639	MBF1A; AT2G42690	multiprotein bridging factor 1A; alpha/beta-hydrolase domain-containing protein
13428229	8.37	6.69	3.2	0.011057	0.297771	CYP72A14	cytochrome P450, family 72, subfamily A, polypeptide 14
13433785	8.37	7.38	1.98	0.139806	0.466341	AT3G27090	DCD (Development and Cell Death) domain protein
13396861	8.37	7.78	1.51	0.116621	0.446833	SDF2	stromal cell-derived factor 2-like protein
13340489	8.37	8	1.29	0.270434	0.548501	AVP1; ATPC2	Pyrophosphate-energized vacuolar membrane proton pump 1; ATP synthase gamma chain 2
13373638	8.37	8.03	1.27	0.231518	0.528172	AT1G29370	Kinase-related protein
13343525	8.37	8.26	1.08	0.501051	0.665643	PFL; AT1G34030; RPS18C	40S ribosomal protein S18
13544974	8.37	8.56	-1.14	0.553259	0.701761	AT3G20362	hypothetical protein
13545068	8.37	8.77	-1.32	0.276415	0.551293	ndhG	NADH dehydrogenase subunit 6

13461853	8.36	7.12	2.37	0.044506	0.374597	AT3G59020	armadillo/beta-catenin-like repeat-containing protein
13431757	8.36	7.72	1.56	0.037724	0.361954	AT3G22290	Endoplasmic reticulum vesicle transporter protein
13445024	8.36	7.87	1.41	0.471299	0.64746	AT3G05520; AT5G45720	F-actin-capping protein subunit alpha; AAA-type ATPase family protein
13338598	8.36	7.93	1.34	0.200922	0.50994	TMN1	transmembrane nine 1
13446495	8.36	8	1.29	0.257338	0.541247	AT3G08610	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex 1
13521711	8.36	8.57	-1.16	0.496374	0.662737	AT5G03850; AT3G10090	40S ribosomal protein S28-1
13456744	8.36	8.61	-1.2	0.275663	0.550844	UXS5	UDP-XYL synthase 5
13360077	8.35	5.66	6.42	0.004615	0.262483	ADH1	alcohol dehydrogenase class-P
13491984	8.35	7.13	2.34	0.040098	0.365591	CYP83B1	cytochrome P450 83B1
13354801	8.35	7.4	1.93	0.01478	0.313095	SPPL2	signal peptide peptidase-like 2
13449415	8.35	7.44	1.88	0.048566	0.37767	SRF7	STRUBBELIG-receptor family 7 protein
13503080	8.35	7.5	1.8	0.138246	0.46568	AT5G18650	ring finger and CHY zinc finger domain-containing protein 1
13503589	8.35	7.61	1.67	0.161473	0.483432	ASP2	aspartate aminotransferase
13491649	8.35	7.73	1.53	0.165297	0.485944	AT4G30600	signal recognition particle receptor subunit alpha
13540528	8.35	7.73	1.53	0.115567	0.446371	VDAC4	voltage dependent anion channel 4
13427566	8.35	7.78	1.49	0.32163	0.571349	VCS	enhancer of mRNA-decapping protein 4
13474074	8.35	7.79	1.47	0.093417	0.430253	ACO2	aconitase 2
13405394	8.35	7.81	1.45	0.077425	0.412497	CYP704A2	cytochrome P450, family 704, subfamily A, polypeptide 2
13476174	8.35	7.82	1.45	0.269607	0.547986	GDU1	glutamine dumper 1
13430753	8.34	6.64	3.24	0.004057	0.262292	STP4	sugar transport protein 4
13386059	8.34	6.79	2.92	0.072172	0.408352	CEL3	endoglucanase 9
13425572	8.34	7.47	1.83	0.093471	0.430293	AT3G07680	emp24/gp25L/p24 family/GOLD domain-containing protein
13451649	8.34	7.81	1.44	0.239396	0.532501	PUM5	pumilio 5
13516687	8.34	8.01	1.25	0.0185	0.321499	AT5G58375	Methyltransferase-related protein
13445356	8.34	8.29	1.04	0.794849	0.867608	PRXIIF	peroxiredoxin-2F
13475750	8.34	8.59	-1.18	0.212255	0.517388	SIP3; DGD2	CBL-interacting serine/threonine-protein kinase 6; digalactosyldiacylglycerol synthase 2
13408322	8.34	10.38	-4.13	0.06166	0.398106		
13545225	8.34	10.38	-4.13	0.06166	0.398106		
13522201	8.33	7.3	2.06	0.075154	0.410503	AT5G05100	Single-stranded nucleic acid binding R3H protein
13527686	8.33	7.42	1.88	0.062927	0.398812	NCBP	translation initiation factor eIF-4E
13460454	8.33	7.45	1.84	0.076379	0.410833	P5CS2	Gamma-glutamyl phosphate reductase
13355106	8.33	7.89	1.36	0.139624	0.466238	RPN12a	26S proteasome non-ATPase regulatory subunit RPN12A
13379301	8.33	9.43	-2.14	0.123276	0.453558	AT1G54000	GDSL esterase/lipase
13455224	8.32	4.32	16.03	0.002871	0.253459	AT3G29639	hypothetical protein
13438530	8.32	7.43	1.85	0.049285	0.378687	AT3G52360	hypothetical protein
13469707	8.32	7.5	1.77	0.093288	0.43014	AT4G16830	hyaluronan / mRNA binding domain-containing protein

13504088	8.32	7.61	1.64	0.092171	0.429607	CPN20	chaperonin 20
13434156	8.32	7.67	1.57	0.041042	0.366381	AT3G28050	EamA domain-containing protein
13538100	8.32	8.07	1.19	0.438189	0.628406	CLPC1	ATP-dependent Clp protease ATP-binding subunit ClpC
13335524	8.31	6.87	2.73	0.132065	0.46218		
13448189	8.31	7.09	2.34	0.012085	0.301412	FAD2	omega-6 fatty acid desaturase, endoplasmic reticulum
13432009	8.31	7.36	1.94	0.066197	0.403288	PKP-ALPHA	Pyruvate kinase family protein
13355128	8.31	7.6	1.64	0.136781	0.465316	GCN3	ABC transporter F family member 3
13360824	8.31	8	1.25	0.141878	0.468094	UBC35	ubiquitin-conjugating enzyme E2 35
13442597	8.31	8	1.23	0.403393	0.607908	UBQ5	ubiquitin-40S ribosomal protein S27a-3
13363108	8.31	8.09	1.17	0.43278	0.625185	RPS15	40S ribosomal protein S15-1
13358432	8.31	8.13	1.13	0.537146	0.690468	CKL2	casein kinase 1-like protein 2
13457221	8.31	8.18	1.09	0.516302	0.676173	MAG1	vacuolar protein sorting 29 protein
13481182	8.31	8.43	-1.09	0.698215	0.801296	AT4G02930	Elongation factor Tu
13534590	8.31	8.72	-1.33	0.261082	0.543075	CYP705A12	cytochrome P450, family 705, subfamily A, polypeptide 12
13409382	8.3	5.35	7.71	0.01237	0.301412	AT2G16660	putative nodulin protein
13535536	8.3	7.23	2.09	0.111761	0.443131	RAN1	copper-transporting ATPase RAN1
13448075	8.3	7.49	1.74	0.025557	0.335837	RPS5A	40S ribosomal protein S5-2
13390512	8.3	7.6	1.63	0.083812	0.417946	AT2G01600	putative clathrin assembly protein
13502509	8.3	7.67	1.55	0.080838	0.41589	XPO1A	exportin 1A
13389276	8.3	7.75	1.46	0.097981	0.433275	HAC1	E1A/CREB-binding protein
13396763	8.3	7.99	1.24	0.504459	0.66833	ARF3	ADP-ribosylation factor 3
13417429	8.3	8.07	1.17	0.068718	0.406403	BLH1	BEL1-like homeodomain 1
13496582	8.3	8.12	1.13	0.543607	0.694707	AT5G02450	60S ribosomal protein L36-3
13486019	8.3	8.18	1.09	0.602761	0.734012	AT4G17390	60S ribosomal protein L15-2
13413576	8.3	8.33	-1.02	0.813443	0.880673	PAG1	proteasome subunit alpha type-3
13518167	8.3	8.38	-1.05	0.838918	0.898453	ARF2	auxin response factor 2
13413914	8.3	8.47	-1.13	0.618622	0.745777	AT2G27730	copper ion binding protein
13468173	8.29	6.49	3.49	0.047363	0.377622	AMT1;1	ammonium transporter 1;1
13360030	8.29	6.85	2.71	0.025301	0.335271	ACR3	ACT domain-containing protein 3
13354899	8.29	7.44	1.8	0.065051	0.401596	AT1G63980	D111/G-patch domain-containing protein
13426213	8.29	7.5	1.73	0.168683	0.487389	CDC48	cell division control protein 48-A
13534050	8.29	7.51	1.71	0.207804	0.513608	CLC-A	chloride channel protein CLC-a
13521289	8.29	7.62	1.59	0.130705	0.460628	AT5G02550	hypothetical protein
13446339	8.29	7.85	1.36	0.280578	0.554406	AT3G07910	hypothetical protein
13417332	8.29	7.89	1.32	0.182072	0.497197	AT2G35680	phosphotyrosine protein phosphatase-like protein
13363197	8.29	7.96	1.26	0.398192	0.604949	AT1G04410	malate dehydrogenase
13374325	8.29	7.95	1.26	0.489812	0.658225	SUF4	C2H2-type zinc finger protein
13354872	8.29	7.99	1.23	0.186662	0.500853	MDAR6	Monodehydroascorbate reductase
13443070	8.29	8.04	1.19	0.293791	0.560052	AT3G01130	hypothetical protein
13455893	8.29	8.13	1.12	0.229824	0.52734	AT3G44010; AT4G33865; AT3G43980	40S ribosomal protein S29
13447825	8.29	8.14	1.11	0.73362	0.825716	PP2CA	protein phosphatase 2C 37
13523402	8.29	8.22	1.05	0.695466	0.799201	BIM1	transcription factor BIM1
13429256	8.28	5.7	6	0.015233	0.313468	EBP	ethylene-responsive transcription factor RAP2-3

13476257	8.28	6.83	2.74	0.079308	0.414078	AT4G31910	HXXXD-type acyl-transferase-like protein
13390232	8.28	7.12	2.24	0.165617	0.486069	NRAMP1	metal transporter Nramp1
13354056	8.28	7.6	1.6	0.241495	0.53362		
13439991	8.28	7.82	1.38	0.125493	0.454739	EPC1; AT3G55840	nucleotide-diphospho-sugar transferase-like protein; Hs1pro-1 protein
13527577	8.28	8.08	1.15	0.271549	0.548926	CBR	cytochrome-b5 reductase
13540006	8.28	8.16	1.08	0.714882	0.812626	AT5G56350	pyruvate kinase
13382260	8.28	8.32	-1.03	0.784235	0.859765	WRKY6	WRKY transcription factor 6
13373248	8.28	8.66	-1.3	0.192231	0.505352	AGP31	arabinogalactan protein 31
13339419	8.27	7.3	1.96	0.059868	0.395174	AT1G12760	E3 ubiquitin-protein ligase
13442809	8.27	7.45	1.77	0.020409	0.323543	GID1B	putative gibberellin receptor GID1L2
13466697	8.27	7.71	1.48	0.350039	0.581662	NDPK1	nucleoside diphosphate kinase 1
13414567	8.27	7.93	1.27	0.229198	0.52681	TIM10	mitochondrial import inner membrane translocase subunit Tim10
13402159	8.27	7.95	1.24	0.383711	0.597749	AT2G37990	ribosome biogenesis regulatory protein-like protein
13474264	8.27	7.96	1.23	0.185762	0.500307	PPI1	proton pump interactor 1
13344353	8.27	8.32	-1.04	0.298939	0.562461	AT1G25054; AT1G25145; AT1G24880; AT1G24793; AT1G25210	UDP-3-O-[3-hydroxymyristoyl] N-acetylglucosamine deacetylase; UDP-3-O-acyl N-acetylglycosamine deacetylase family protein
13409956	8.27	8.71	-1.35	0.092571	0.429659	bZIP2; CPuORF1	basic leucine-zipper 2; hypothetical protein
13544835	8.27	10.15	-3.68	0.031502	0.352126	petN	cytochrome b6/f complex subunit N
13435988	8.26	7.15	2.15	0.032582	0.353134	MYB48	transcription factor MYB48
13477556	8.26	7.47	1.73	0.130845	0.460628	AT4G34450	coatomer subunit gamma
13469294	8.26	7.78	1.4	0.273255	0.54985	PRL1	protein pleiotropic regulatory locus 1
13484827	8.26	7.83	1.34	0.227813	0.525957	AT4G14990	Topoisomerase II-associated protein PAT1
13382037	8.26	8.49	-1.17	0.461246	0.642085	AT1G61660	transcription factor bHLH112
13384729	8.25	4.1	17.72	0.001894	0.253459	AT1G67865	hypothetical protein
13350417	8.25	7.15	2.14	0.033689	0.354018	THFS	Formate--tetrahydrofolate ligase
13378982	8.25	7.28	1.95	0.089312	0.426215	AT1G53280	4-methyl-5(b-hydroxyethyl)-thiazole monophosphate biosynthesis
13338108	8.25	7.67	1.49	0.040731	0.366076	CDC5	cell division cycle 5-like protein
13502451	8.25	7.67	1.49	0.158872	0.481364	AT5G16880	Target of Myb protein 1
13346920	8.25	7.76	1.4	0.217008	0.520015	STRS1	DEAD-box ATP-dependent RNA helicase 5
13423336	8.25	7.81	1.35	0.148481	0.471967	SAMDC; CPuORF9	S-adenosylmethionine decarboxylase 1 beta chain; hypothetical protein
13432658	8.25	7.87	1.31	0.334169	0.576298	PMP	putative type 1 membrane protein
13413083	8.25	8.05	1.15	0.070283	0.406602	GLDP2	glycine dehydrogenase [decarboxylating] 1
13486849	8.25	8.75	-1.41	0.167637	0.48688	AT4G19270	hypothetical protein
13443717	8.24	5.81	5.36	0.012427	0.301412	LBD41	LOB domain-containing protein 41
13496071	8.24	7.16	2.12	0.01812	0.319749	LAX1	auxin transporter-like protein 1
13541483	8.24	7.16	2.12	0.112154	0.443327	MYB59	transcription factor MYB59
13385850	8.24	7.45	1.73	0.108908	0.440715	AT1G70780; CPuORF28	hypothetical protein; conserved peptide upstream open reading frame 28
13487721	8.24	7.53	1.64	0.041138	0.366422	DER2.1	derlin-2.1
13426965	8.24	7.74	1.41	0.15898	0.481421	AT3G11800	hypothetical protein
13496588	8.24	8.06	1.13	0.445047	0.632591	AT5G02480	HSP20-like chaperone

13406831	8.24	8.15	1.07	0.61917	0.746267	MPK17	mitogen-activated protein kinase 17
13376570	8.24	8.43	-1.14	0.405766	0.609101	GAMMA CA2	gamma carbonic anhydrase 2
13526040	8.23	6.88	2.54	0.015316	0.313468	AT5G14390	alpha/beta-hydrolasefamily protein
13447575	8.23	7.16	2.09	0.062538	0.398248	AT3G10770	Single-stranded nucleic acid binding R3H protein
13370749	8.23	7.36	1.82	0.179358	0.494894	AT1G21100	O-methyltransferase-like protein
13394851	8.23	7.59	1.56	0.102121	0.435546	AT2G20060	large subunit ribosomal protein L4
13335746	8.23	7.81	1.34	0.345779	0.58045	CKL13	casein kinase like 13
13491713	8.23	7.85	1.3	0.210746	0.516087	AT4G30750	hypothetical protein
13473579	8.23	7.87	1.29	0.283448	0.555903	AT4G25900	aldose 1-epimerase family protein
13390277	8.23	7.92	1.24	0.26067	0.542969	AT1G80930	pre-mRNA-splicing factor CWC22
13360275	8.23	8.1	1.1	0.639931	0.760136	AT1G77530	O-methyltransferase family protein
13516571	8.23	8.17	1.04	0.258445	0.541251	AT5G58200	metallophosphatase domain-containing protein
13474404	8.23	8.44	-1.16	0.366107	0.590066	AT4G27860	vacuolar iron transporter-like protein
13366768	8.23	8.6	-1.29	0.66126	0.775368		
13368440	8.23	8.6	-1.29	0.66126	0.775368		
13382112	8.23	8.6	-1.29	0.66126	0.775368		
13389993	8.23	8.6	-1.29	0.66126	0.775368		
13423927	8.23	8.6	-1.29	0.66126	0.775368		
13423933	8.23	8.6	-1.29	0.66126	0.775368		
13479625	8.23	8.6	-1.29	0.66126	0.775368		
13486190	8.23	8.6	-1.29	0.66126	0.775368		
13486256	8.23	8.6	-1.29	0.66126	0.775368		
13527666	8.23	8.6	-1.29	0.66126	0.775368		
13527672	8.23	8.6	-1.29	0.66126	0.775368		
13387459	8.22	6.92	2.46	0.034686	0.355201	ALDH10A8	betaine aldehyde dehydrogenase 1
13502277	8.22	6.93	2.44	0.062139	0.398248	AT5G16470	C2H2 type zinc finger protein
13496301	8.22	7.39	1.79	0.072172	0.408352	AT5G01800	saposin B domain-containing protein
13525307	8.22	7.45	1.71	0.145293	0.470052	AT5G12470	hypothetical protein
13519382	8.22	7.57	1.56	0.237149	0.531225	CESA6	cellulose synthase A catalytic subunit 6 [UDP-forming]
13462064	8.22	7.68	1.45	0.02574	0.33601	AT3G59540; AT2G43460	60S ribosomal protein L38
13378261	8.22	7.99	1.17	0.343321	0.579024	4CL1	4-coumarate--CoA ligase 1
13513263	8.22	8.14	1.06	0.734753	0.826308	MAB1	pyruvate dehydrogenase E1 component subunit beta
13427230	8.22	8.16	1.04	0.856208	0.910081	AT3G12390	Nascent polypeptide-associated complex subunit alpha-like protein 1
13445203	8.22	9.81	-3.02	0.000061	0.14124	RCI2A	Hydrophobic protein RCI2A
13376966	8.21	7.38	1.78	0.096575	0.43273	AGO1	protein argonaute
13501590	8.21	7.51	1.61	0.061551	0.398106	AT5G14880	Potassium transporter 8
13511558	8.21	7.62	1.51	0.136612	0.465256	BI1	BAX inhibitor 1
13487046	8.21	7.64	1.49	0.117337	0.44724	AT4G19860	Lecithine-cholesterol acyltransferase-like 4
13361666	8.21	7.76	1.36	0.074259	0.410257	AT1G80750	60S ribosomal protein L7-1
13464994	8.21	7.98	1.17	0.484773	0.654647	AT4G02580	NADH dehydrogenase (ubiquinone) flavoprotein 2
13533716	8.21	8.15	1.04	0.861338	0.913767	TRX2	thioredoxin H2
13540012	8.21	8.19	1.02	0.922729	0.953382	PSL4	protein kinase C substrate 80K-H
13407025	8.21	8.38	-1.13	0.584261	0.72316	PAP8	purple acid phosphatase 8

13532859	8.2	3.44	27.13	0.012551	0.301412	RVE2	protein REVEILLE 2 / DNA binding / transcription factor
13441118	8.2	7.34	1.81	0.180447	0.495835	AT3G59070	Cytochrome b561/ferric reductase transmembrane with DOMON related domain
13385956	8.2	7.71	1.41	0.315894	0.568464	AT1G71080	RNA polymerase II transcription elongation factor
13342626	8.2	7.72	1.4	0.341418	0.578648	AT1G20580	small nuclear ribonucleoprotein-like protein
13462565	8.2	8.02	1.13	0.225153	0.524988	PBF1; AT3G60810	proteasome subunit beta type-1; hypothetical protein
13395450	8.19	7.38	1.75	0.035515	0.356207	AT2G21390	coatomer subunit alpha-2
13542186	8.19	7.43	1.7	0.075638	0.410503	PXY	putative leucine-rich repeat receptor-like protein kinase
13397367	8.19	7.44	1.69	0.05296	0.383093	GP ALPHA 1	guanine nucleotide-binding protein alpha-1 subunit
13435118	8.19	7.47	1.64	0.122363	0.452662	AT3G43520	transmembrane protein 14C
13514326	8.19	7.52	1.6	0.128568	0.458836	AT5G53140	putative protein phosphatase 2C 76
13539646	8.19	7.74	1.36	0.253143	0.539191	TOP1ALPHA	DNA topoisomerase 1
13350670	8.19	7.88	1.23	0.214139	0.518562	AT1G51160	SNARE-like protein
13437589	8.19	7.9	1.22	0.541324	0.693095	AT3G49910	60S ribosomal protein L26-1
13351155	8.19	8.05	1.11	0.49009	0.658468	AT1G52360	coatomer subunit beta'-2
13359473	8.19	8.08	1.08	0.582887	0.72221	STH2	putative salt tolerance-like protein
13493916	8.19	8.14	1.03	0.879537	0.926325	AT4G35750	SEC14 cytosolic factor family protein / phosphoglyceride transfer family protein
13371968	8.19	8.23	-1.03	0.886792	0.930765	IAR4	pyruvate dehydrogenase E1 component subunit alpha-2
13427905	8.19	8.24	-1.03	0.832151	0.893733	AT3G13930	dihydrolipoyllysine-residue acetyltransferase component 2 of pyruvate dehydrogenase complex
13483651	8.19	8.23	-1.03	0.826772	0.889778	AT4G12590	hypothetical protein
13388527	8.18	4.36	14.15	0.009	0.295471	AAP3	amino acid permease 3
13436273	8.18	5.96	4.66	0.194914	0.505989	COPT2	copper transporter 2
13393786	8.18	6.68	2.84	0.032064	0.352673	PIRL5	ras group-related LRR 5 protein
13423999	8.18	7.07	2.17	0.106687	0.43902	AT3G03990	alpha/beta-hydrolase domain-containing protein
13346881	8.18	7.44	1.66	0.132127	0.462249	AT1G31910	phosphomevalonate kinase
13493386	8.18	7.54	1.56	0.049842	0.379192	EDA9	D-3-phosphoglycerate dehydrogenase
13528775	8.18	7.81	1.29	0.290559	0.5586	RBX1	RING-box protein 1
13387909	8.18	8.01	1.13	0.553174	0.701729	AT1G76010	Alba DNA/RNA-binding protein
13496750	8.18	8.03	1.12	0.743874	0.831886	AT5G02870	60S ribosomal protein L4-2
13478680	8.18	8.11	1.05	0.569608	0.712209	SMP2	Pre-mRNA-splicing factor SLU7-B
13469628	8.18	8.24	-1.05	0.812656	0.880154	AT4G16660	hypoxia up-regulated 1
13379351	8.18	8.28	-1.07	0.64567	0.764095	ALDH7B4	aldehyde dehydrogenase 7B4
13520555	8.18	8.38	-1.15	0.579218	0.719285	VDAC2	voltage dependent anion channel 2
13418944	8.18	8.76	-1.49	0.026066	0.337071	JAL22	jacalin-related lectin 22
13414401	8.17	4.79	10.42	0.032997	0.354018	AT2G28960	putative LRR receptor-like serine/threonine-protein kinase
13492615	8.17	6.75	2.68	0.024074	0.332187	AT4G32860	hypothetical protein
13409119	8.17	6.8	2.58	0.035353	0.355898	MEE14	maternal effect embryo arrest 14 protein

13442684	8.17	7.31	1.82	0.015473	0.314853	AT3G62580	Late embryogenesis abundant protein (LEA) family protein
13412132	8.17	7.31	1.82	0.197237	0.507663	TET8	tetraspanin8
13389295	8.17	7.68	1.4	0.306308	0.565397	AT1G79010	NADH dehydrogenase [ubiquinone] iron-sulfur protein 8
13522760	8.17	7.77	1.32	0.36306	0.588585	UBP12	ubiquitin carboxyl-terminal hydrolase 12
13376356	8.17	7.89	1.22	0.437354	0.628027	AT1G44800	nodulin MtN21 /EamA-like protein
13519743	8.17	7.99	1.14	0.550112	0.699677	AT5G65480	hypothetical protein
13365906	8.17	8.13	1.03	0.86628	0.916627	AT1G09920	TRAF-type zinc finger-related protein
13388944	8.17	8.79	-1.55	0.318409	0.569572	GSTU19	glutathione S-transferase TAU 19
13454585	8.16	6.51	3.13	0.037001	0.360107	AT3G27770; AT3G27750	hypothetical protein
13389760	8.16	7.2	1.94	0.059055	0.394681	NADP-ME4	NADP-malic enzyme 4
13445940	8.16	7.31	1.8	0.157094	0.479669	ERMO2	sec24-like transport protein
13474717	8.16	7.55	1.53	0.248266	0.536392	CKL6	casein kinase I-like 6
13387334	8.16	7.71	1.37	0.046394	0.377124	NRP1; CYP98A9	template-activating factor I; p-coumarate 3-hydroxylase
13431550	8.16	7.75	1.33	0.316778	0.568567	AT3G21710	hypothetical protein
13456292	8.16	8	1.12	0.391379	0.60073	GRIK1; CPuORF61	calcium/calmodulin-dependent protein kinase kinase; hypothetical protein
13345455	8.15	5.66	5.62	0.017072	0.319147	AT1G28100	hypothetical protein
13405973	8.15	6.52	3.09	0.005233	0.271751	CCA1	protein CCA1
13533451	8.15	7.05	2.14	0.074338	0.410455	AT5G39110	germin-like protein subfamily 1 member 14
13361367	8.15	7.33	1.77	0.141021	0.4675	SUS2	Pre-mRNA-processing-splicing factor
13492423	8.15	7.5	1.57	0.170026	0.48812	CESA1	cellulose synthase A catalytic subunit 1 [UDP-forming]
13376661	8.15	7.66	1.4	0.237703	0.531849	AT1G47640	hypothetical protein
13367568	8.15	7.7	1.36	0.342901	0.579024	bZIP58	basic leucine-zipper 58
13535369	8.15	7.73	1.34	0.235345	0.529729	AT5G44380	FAD-binding and BBE domain-containing protein
13533469	8.15	7.84	1.24	0.546348	0.69674	AT5G39160; GER2; AT5G39130	germin-like protein subfamily 1 member 18; germin-like protein subfamily 1 member 20; germin-like protein subfamily 1 member 16
13389869	8.15	7.95	1.15	0.255288	0.540321	AT1G79920	Heat shock protein 70
13544993	8.15	8.71	-1.48	0.299662	0.56286	ndhK	NADH dehydrogenase 27 kDa subunit
13390940	8.14	6.73	2.67	0.055102	0.387213	AT2G02680	cysteine/histidine-rich C1 domain-containing protein
13348370	8.14	7.04	2.15	0.059311	0.39493	AT1G36980	hypothetical protein
13449344	8.14	7.06	2.1	0.037496	0.360894	AT3G14200	chaperone DnaJ-domain containing protein
13530145	8.14	7.21	1.91	0.143814	0.469269	CHIA	acidic endochitinase
13360786	8.14	7.8	1.27	0.332451	0.576298	BEH4	BES1/BZR1 homolog 4
13501913	8.14	8.02	1.09	0.621065	0.747551	RGP2	reversibly glycosylated polypeptide 2
13503848	8.14	8.05	1.06	0.12567	0.454851	AT5G20080	NADH-cytochrome b5 reductase-like protein
13408388	8.14	8.24	-1.07	0.913779	0.947801	AT2G07830	hypothetical protein
13347932	8.14	8.46	-1.25	0.008432	0.293015	MYB93	myb domain protein 93
13409801	8.13	5.34	6.9	0.01102	0.297771	HK1	histidine kinase 1
13504338	8.13	6.95	2.27	0.048119	0.37767	RHF2A	E3 ubiquitin-protein ligase RHF2A
13422876	8.13	6.98	2.21	0.05618	0.38881	AT3G01520	Universal stress protein A-like protein
13511159	8.13	7.11	2.03	0.026284	0.337733	AT5G46250	RNA-binding protein

13392686	8.13	7.61	1.43	0.129907	0.459886	NAD-ME1	NAD-dependent malic enzyme 1
13390271	8.13	7.68	1.37	0.043605	0.372891	J8	chaperone protein dnaJ 8
13389583	8.13	7.78	1.27	0.222381	0.523514	PGK	phosphoglycerate kinase
13480865	8.13	7.83	1.23	0.320885	0.570934	AT4G02230	60S ribosomal protein L19-3
13470726	8.13	7.87	1.19	0.548833	0.698641	RLI2	ABC transporter E family member 2
13494581	8.13	8.12	1.01	0.968905	0.981925	AT4G36980	splicing factor, arginine/serine-rich 16
13516630	8.13	8.16	-1.02	0.948657	0.969306	RPT3	regulatory particle triple-A ATPase 3
13483071	8.13	8.35	-1.17	0.200912	0.50994	NDPK3	nucleoside diphosphate kinase III
13540624	8.13	8.76	-1.55	0.148043	0.471967	GDU3	glutamine dumper 3
13543627	8.12	6.39	3.33	0.046797	0.377465	AT5G65040	hypothetical protein
13398152	8.12	6.99	2.18	0.103451	0.436198	SYD	ATPase splayed
13471852	8.12	7.24	1.84	0.103307	0.436032	TOM1	tobamovirus multiplication protein 1
13346794	8.12	7.35	1.7	0.081206	0.416343	AT1G31730	AP-4 complex subunit epsilon
13487311	8.12	7.46	1.58	0.161793	0.483588	TPP2	tripeptidyl peptidase ii
13447027	8.12	7.84	1.21	0.351624	0.582655	AT3G09735	DNA-binding protein S1FA3
13466076	8.12	7.88	1.18	0.560205	0.706213	IBR1	dehydrogenase/reductase SDR family member 4
13364554	8.12	7.9	1.17	0.502871	0.667079	SIRANBP	Ran-binding protein 1-a
13493445	8.12	7.89	1.17	0.200565	0.509845	AT4G34412; RRTF1	hypothetical protein; ethylene-responsive transcription factor ERF109
13438435	8.12	7.97	1.11	0.616031	0.744084	LTA3	dihydrolipoyllysine-residue acetyltransferase component 1 of pyruvate dehydrogenase complex
13447147	8.12	7.98	1.1	0.560531	0.706359	AT3G10020	hypothetical protein
13343368	8.12	8.06	1.04	0.870509	0.919611	AT1G22410	class-II DAHP synthetase-like protein
13443970	8.12	8.23	-1.08	0.739089	0.828771	UGP1	putative UTP--glucose-1-phosphate uridylyltransferase 2
13502954	8.12	8.29	-1.13	0.700509	0.802994	AT5G18310	hypothetical protein
13391563	8.12	8.55	-1.34	0.216375	0.519792	AT2G04390	40S ribosomal protein S17-1
13544833	8.12	9.78	-3.16	0.075875	0.410503		
13366036	8.11	6.84	2.41	0.139875	0.466398	AT1G10140	hypothetical protein
13416932	8.11	7.03	2.11	0.070374	0.406861	AT2G34750	RNA polymerase I specific transcription initiation factor RRN3 protein
13540572	8.11	7.18	1.91	0.108051	0.439884	AT5G57580	Calmodulin-binding protein
13534380	8.11	7.51	1.52	0.090268	0.427031	WNK8; CPuORF58	serine/threonine-protein kinase WNK8; conserved peptide upstream open reading frame 58
13464970	8.11	7.53	1.49	0.173625	0.490872	CUL1	cullin 1
13339171	8.11	7.62	1.41	0.178413	0.494455	AT1G12230	transaldolase
13403635	8.11	7.86	1.19	0.330699	0.575803	GLU2	ferredoxin-dependent glutamate synthase 2
13450747	8.11	8.01	1.08	0.569317	0.711939	HON4	DNA-binding protein HMR1-like protein
13368386	8.11	8.18	-1.04	0.764361	0.845762	MBD10	methyl-CPG-binding domain 10
13395030	8.11	8.54	-1.34	0.164133	0.485704	AT2G20450	60S ribosomal protein L14-1
13409720	8.11	8.54	-1.34	0.173545	0.490872	HMGB4	high mobility group B4 protein
13437056	8.1	6.69	2.66	0.077193	0.412413	KING1	SNF1-related protein kinase regulatory subunit gamma 1
13437103	8.1	6.7	2.64	0.024977	0.33454	GAMMA CAL2	gamma carbonic anhydrase-like 2
13505427	8.1	6.88	2.33	0.036729	0.359764	BZIP9	basic leucine zipper 9
13477383	8.1	7.18	1.9	0.088121	0.424391	CYCD3;1	cyclin-D3-1
13413143	8.1	7.21	1.85	0.193058	0.505743	AT2G26240	Transmembrane proteins 14C

13405375	8.1	7.23	1.84	0.152996	0.475771	AHL22	AT-hook motif nuclear-localized protein 22
13411773	8.1	7.3	1.73	0.142822	0.468772	PMDH1	malate dehydrogenase
13421128	8.1	7.34	1.7	0.058073	0.392874	AT2G44120	60S ribosomal protein L7-3
13414687	8.1	7.72	1.3	0.195957	0.50688	CYP5	Peptidyl-prolyl cis-trans isomerase CYP19-4
13491119	8.1	7.77	1.26	0.449349	0.635232	AT4G29480	ATP synthase subunit G protein
13504010	8.1	7.84	1.2	0.53378	0.688245	AT5G20500	glutaredoxin-C4
13394718	8.1	7.93	1.13	0.472519	0.648081	AT2G19680	F-type H+-transporting ATPase subunit g
13434386	8.1	8	1.07	0.737146	0.827794	AT3G28715	V-type proton ATPase subunit d2
13495384	8.1	8.94	-1.79	0.064885	0.401596	ROC1	Peptidyl-prolyl cis-trans isomerase CYP18-3
13441685	8.09	6.37	3.28	0.040629	0.365846	AT3G60300	ubiquitin-protein ligase RNF25
13418146	8.09	6.41	3.22	0.014543	0.313095	TIM17-2	mitochondrial import inner membrane translocase subunit Tim17
13534474	8.09	7.68	1.33	0.013275	0.306557	ASK2	S-phase kinase-associated protein 1
13465936	8.09	7.7	1.31	0.25169	0.538552	AT4G05160	4-coumarate--CoA ligase-like 7
13405723	8.09	7.91	1.13	0.39497	0.603068	GBF3	G-box binding factor 3
13408362	8.09	8.84	-1.69	0.179525	0.495163	AT2G07719; ArthMp054	Putative membrane lipoprotein; hypothetical protein
13354711	8.08	6.67	2.65	0.03284	0.354018	HMA5	Cu2+-exporting ATPase
13477724	8.08	6.72	2.57	0.002465	0.253459	AT4G34881	hypothetical protein
13433634	8.08	7.05	2.04	0.091408	0.428598	AT3G26720	alpha-mannosidase
13420535	8.08	7.17	1.88	0.072704	0.408352	CSY3; AT2G42780	citrate synthase 3; hypothetical protein
13391074	8.08	7.4	1.6	0.118472	0.448631	SPP	minor histocompatibility antigen H13
13480494	8.08	7.62	1.38	0.197239	0.507663	AT4G01290	hypothetical protein
13518566	8.08	7.79	1.21	0.018646	0.321499	AT5G62890	nucleobase-ascorbate transporter 6
13485120	8.08	7.81	1.21	0.151248	0.473698	HSBP	heat shock factor binding protein
13419619	8.08	7.81	1.2	0.210169	0.515378	AT2G40900	nodulin MtN21 /EamA-like transporter protein
13374657	8.08	7.84	1.19	0.426948	0.62132	ACBP6	acyl-CoA-binding protein 6
13392089	8.08	8.18	-1.07	0.508398	0.671234	XTH4	xyloglucan endotransglucosylase/hydrolase protein 4
13441465	8.08	8.41	-1.26	0.172086	0.489773	HLECRK	lectin-receptor kinase
13503510	8.08	8.78	-1.62	0.043977	0.373501	AT5G19440	Rossmann-fold NAD(P)-binding domain-containing protein
13509661	8.07	7.22	1.8	0.074699	0.410456	BPC6	basic pentacysteine 6
13516345	8.07	7.38	1.61	0.119028	0.449468	eIFiso4G1	MIF4G domain and MA3 domain-containing protein
13466157	8.07	7.42	1.57	0.075737	0.410503	AT4G07390	Mannose-P-dolichol utilization defect 1 protein
13404630	8.07	7.46	1.52	0.198626	0.508119	MPK6	mitogen-activated protein kinase 6
13501272	8.07	7.53	1.46	0.172147	0.489773	AT5G13980	Glycosyl hydrolase family 38 protein
13447863	8.07	7.59	1.39	0.364101	0.589155	AT3G11510	40S ribosomal protein S14-2
13353115	8.07	7.61	1.38	0.072694	0.408352	AT1G57720	elongation factor EF-1 gamma subunit
13400688	8.07	7.63	1.36	0.139609	0.466238	AT2G34560	P-loop containing nucleoside triphosphate hydrolase-like protein
13520351	8.07	7.64	1.35	0.000635	0.208603	ASL1	LOB domain-containing protein 36 (ASYMMETRIC LEAVES 2-like protein 1)
13420819	8.07	7.74	1.25	0.336272	0.576994	AT2G43460; AT3G59540	60S ribosomal protein L38
13441536	8.07	7.81	1.2	0.371758	0.591916	MTHFR1	methylenetetrahydrofolate reductase 1
13490890	8.07	7.82	1.19	0.418008	0.616286	PHR1	phosphate starvation response 1 protein

13422048	8.07	7.9	1.12	0.647118	0.765079	AT2G46540	hypothetical protein
13451420	8.06	6.81	2.37	0.072815	0.408418	AT3G19660	hypothetical protein
13453160	8.06	6.93	2.19	0.063244	0.399267	AT3G24180	Beta-glucosidase, GBA2 type family protein
13344431	8.06	7.04	2.04	0.132285	0.46234	AT1G25275	hypothetical protein
13474009	8.06	7.18	1.84	0.091452	0.42873	SUMO1	small ubiquitin-related modifier 1
13445970	8.06	7.3	1.68	0.107133	0.439338	GSL10	callose synthase
13432163	8.06	7.33	1.66	0.047032	0.37751	XBAT35	putative E3 ubiquitin-protein ligase XBAT35
13519958	8.06	7.59	1.38	0.038007	0.362606	AT5G65950	hypothetical protein
13440012	8.06	7.6	1.38	0.236468	0.530655	AT3G55880	Alpha/beta hydrolase related protein
13521612	8.06	7.6	1.37	0.234711	0.529692	ATMDAR2	monodehydroascorbate reductase (NADH)
13390869	8.06	7.7	1.28	0.303283	0.564076	AT2G02510	NADH dehydrogenase (ubiquinone)
13349342	8.06	7.73	1.26	0.069506	0.406403	AT1G47740	PPPDE putative thiol peptidase family protein
13544963	8.06	8.47	-1.33	0.14394	0.469307	rpoC1	RNA polymerase beta' chain
13542795	8.05	4.96	8.49	0.002113	0.253459	BT1	BTB and TAZ domain protein 1
13337975	8.05	6.08	3.9	0.033273	0.354018	AT1G09460	carbohydrate-binding X8 domain-containing protein
13528003	8.05	6.7	2.55	0.052713	0.382994	TLP11	Tubby-like F-box protein 11
13368518	8.05	7.05	2	0.081828	0.416828	TPL	protein TOPLESS
13492096	8.05	7.12	1.91	0.065781	0.402744	TAFII15	TBP-associated factor II 15
13443522	8.05	7.18	1.83	0.16795	0.487067	AT3G02080	40S ribosomal protein S19-1
13539603	8.05	7.27	1.72	0.093826	0.430403	SUMO2	small ubiquitin-related modifier 2
13338174	8.05	7.52	1.45	0.150592	0.473426	LRR XI-23	leucine-rich receptor-like protein kinase
13430817	8.05	7.53	1.43	0.175133	0.492147	TOM40	mitochondrial import receptor subunit TOM40-1
13525092	8.05	7.54	1.42	0.222561	0.523826	CYS1	cysteine proteinase inhibitor 1
13440211	8.05	7.74	1.24	0.08509	0.419549	HIT3	HIS triad family protein 3
13347981	8.05	7.8	1.2	0.136152	0.465036	AT1G35190	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase-like protein
13440324	8.05	7.82	1.17	0.083484	0.417888	AT3G56880	VQ motif-containing protein
13349073	8.05	8.07	-1.01	0.84239	0.900702	HSFB4	heat stress transcription factor B-4
13457967	8.05	8.42	-1.3	0.12932	0.459395	AT3G49720	hypothetical protein
13464538	8.04	6.74	2.46	0.032241	0.352847	RGXT2	rhamnogalacturonan xylosyltransferase 2
13477794	8.04	7.12	1.9	0.035374	0.355898	bZIP19	basic leucine zipper transcription factor-like protein
13425348	8.04	7.25	1.72	0.052233	0.382608	AT3G07110	60S ribosomal protein L13a-1
13504136	8.04	7.27	1.71	0.105637	0.437428	AO1	aldehyde oxidase 1
13534917	8.04	7.78	1.19	0.253067	0.539162	ckl8	casein kinase I-like 8
13540967	8.04	7.79	1.19	0.441511	0.630322	RANBP1	Ran-binding protein 1-c
13535096	8.04	7.86	1.14	0.649068	0.76655	AT5G43830	pentatricopeptide repeat-containing protein-like protein
13346208	8.04	8.2	-1.12	0.695383	0.799201	MRP1	ABC transporter C family member 1
13337127	8.04	8.29	-1.18	0.313956	0.568024	APX1	L-ascorbate peroxidase
13545733	8.04	9.4	-2.56	0.299487	0.562693		
13446913	8.03	6.71	2.5	0.003312	0.253459	AT3G09440	protein heat shock protein 70-3
13507768	8.03	7.25	1.71	0.121144	0.45228	EMB1467	NADH-ubiquinone oxidoreductase subunit
13478599	8.03	7.64	1.31	0.236181	0.530423	HSF4; CPuORF49	heat stress transcription factor B-1; uncharacerized protein
13523061	8.03	7.66	1.29	0.245259	0.535223	Tudor1	TUDOR-SN protein 1
13416375	8.03	7.76	1.21	0.460142	0.641292	GLTP1	glycolipid transfer protein 1

13344727	8.03	7.9	1.1	0.562182	0.707535	FBR12	translation initiation factor eIF-5A
13459331	8.03	7.9	1.09	0.713832	0.81182	STV1	60S ribosomal protein L24-2
13515638	8.03	7.92	1.08	0.7484	0.834922	UBC30	ubiquitin-conjugating enzyme E2 30
13511963	8.03	8.07	-1.03	0.874992	0.922772	RBOHD	respiratory burst oxidase-D
13520906	8.03	8.34	-1.24	0.340647	0.578277	FER1	ferritin heavy chain
13370634	8.03	8.63	-1.51	0.585336	0.723989		
13343195	8.02	6.36	3.15	0.161172	0.483302	AT1G21910	ethylene-responsive transcription factor ERF012
13419687	8.02	6.89	2.19	0.040149	0.365591	CAMBP25	calmodulin binding protein 25
13475081	8.02	6.99	2.04	0.023762	0.331326	AT4G29100	transcription factor bHLH68
13461633	8.02	7.01	2.02	0.104321	0.4366	PP2A-4	serine/threonine-protein phosphatase PP2A-3 catalytic subunit
13541146	8.02	7.15	1.82	0.053468	0.38389	AT5G58950	protein kinase family protein
13507499	8.02	7.31	1.63	0.1415	0.46795	AT5G36230	armadillo/beta-catenin-like repeat-containing protein
13458898	8.02	7.49	1.45	0.195664	0.50649	AT3G51950	zinc finger CCCH domain-containing protein 46
13494301	8.02	7.49	1.44	0.143414	0.469064	AT4G36430	peroxidase 49
13368314	8.02	7.55	1.38	0.370593	0.591914	PDR7	ABC transporter G family member 35
13464049	8.02	7.57	1.37	0.20592	0.512597	RH8; AT4G00670	DEAD-box ATP-dependent RNA helicase 8; Remorin family protein
13537732	8.02	7.6	1.33	0.186626	0.500853	AT5G50150	hypothetical protein
13351910	8.02	7.78	1.19	0.42106	0.617789	MVP1	GDSL esterase/lipase
13419230	8.02	7.96	1.04	0.783489	0.859238	AT2G39970	solute carrier family 25 member 17
13479454	8.02	7.97	1.04	0.739464	0.829062	AT4G39200	40S ribosomal protein S25-4
13531047	8.02	8.14	-1.09	0.693486	0.797823	AT5G25940	early nodulin-related protein
13348400	8.02	9.18	-2.24	0.016895	0.317495	NIA2	Nitrate reductase (NADH)
13538475	8.01	6.36	3.14	0.016207	0.315398	AT5G51890	peroxidase 66
13473622	8.01	6.92	2.13	0.094672	0.431068	PSD3	phosphatidylserine decarboxylase 3
13439800	8.01	6.98	2.04	0.08835	0.424707	AT3G55520	FKBP-like peptidyl-prolyl cis-trans isomerase family protein
13391975	8.01	7.33	1.61	0.143863	0.469303	PAA2	proteasome subunit alpha type-6-B
13337531	8.01	7.33	1.6	0.086167	0.421503	ZIGA4	putative ADP-ribosylation factor GTPase-activating protein AGD14
13492229	8.01	7.65	1.28	0.247811	0.536315	ASP5	aspartate aminotransferase
13424304	8.01	7.76	1.19	0.241057	0.533477	AT3G04840	40S ribosomal protein S3a-1
13473038	8.01	7.88	1.1	0.800166	0.871249	DIC2	dicarboxylate carrier 2
13338809	8.01	7.95	1.04	0.630578	0.754197	AT1G11430	putative plastid developmental protein DAG
13531582	8.01	7.97	1.03	0.864409	0.915429	AT5G27700	small subunit ribosomal protein S21e
13521943	8.01	8	1.01	0.973564	0.984744	BTR1L	binding to TOMV RNA 1L (long form) protein
13545066	8.01	8.02	-1.01	0.91407	0.947902	ndhE	NADH dehydrogenase subunit 4L
13349227	8.01	8.08	-1.05	0.691062	0.795995	AT1G47530	MATE efflux family protein
13415772	8	7.13	1.82	0.071855	0.408234	PUR ALPHA-1	transcription factor Pur-alpha 1
13444445	8	7.25	1.67	0.161465	0.483432	SEC	putative UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase SEC
13530055	8	7.41	1.51	0.064301	0.400764	AT5G23900	60S ribosomal protein L13-3
13390041	8	7.52	1.4	0.228566	0.526396	EMB2753; AT1G80400	tetratricopeptide repeat-containing protein; RING/U-box domain-containing protein

13448013	8	7.57	1.34	0.378296	0.594453	AT3G11780	MD-2-related lipid recognition domain-containing protein
13459093	8	7.59	1.33	0.498502	0.664058	SYP122	syntaxin-122
13339873	8	7.64	1.28	0.412336	0.61329	VIK	VH1-interacting kinase
13360284	8	7.65	1.27	0.183128	0.497967	AT1G77610	EamA-like transporter
13459463	8	7.7	1.23	0.394466	0.602716	AT3G53430	60S ribosomal protein L12-2
13427710	8	7.76	1.19	0.28576	0.556682	AT3G13580	60S ribosomal protein L7-4
13537041	8	8.04	-1.03	0.833752	0.894712	FKBP15-2; AT5G48590	FK506-binding protein 2-2; hypothetical protein
13545335	8	8.06	-1.04	0.791323	0.865014	AT2G07678; ArthMp081	hypothetical protein
13545070	8	8.17	-1.13	0.684908	0.791538	ndhI	NADH dehydrogenase 18 kDa subunit
13489115	7.99	6.4	3.01	0.028519	0.346553	AT4G24780	putative pectate lyase 18
13394095	7.99	6.87	2.17	0.01601	0.315398	AT2G18110	Elongation factor 1-delta 2
13481017	7.99	6.97	2.03	0.098323	0.433275	UNE12	transcription factor UNE12
13520369	7.99	7.13	1.82	0.114471	0.445522	sks17	protein SKU5 similar 17
13447386	7.99	7.19	1.74	0.041109	0.366422	SCPL49	carboxypeptidase
13358927	7.99	7.24	1.68	0.036978	0.360107	AT1G73920	alpha/beta-hydrolase domain-containing protein
13420748	7.99	7.29	1.62	0.032969	0.354018	GPX3	putative glutathione peroxidase 3
13514013	7.99	7.35	1.56	0.234028	0.529452	SCL8	scarecrow-like protein 8
13525141	7.99	7.39	1.51	0.09468	0.431068	MED19A	hypothetical protein
13399502	7.99	7.41	1.49	0.140632	0.467135	SOBIR1	putative leucine-rich repeat transmembrane protein kinase
13401387	7.99	7.43	1.48	0.415024	0.614247	AT2G36090	F-box protein
13514958	7.99	7.52	1.39	0.181044	0.496382	FQR1	flavodoxin-like quinone reductase 1
13337405	7.99	7.54	1.37	0.125623	0.45484	AT1G08480	hypothetical protein
13478324	7.99	7.55	1.35	0.092233	0.429646	AT4G36195	Serine carboxypeptidase S28 family protein
13478216	7.99	7.62	1.29	0.29146	0.559213	AT4G35890	winged-helix DNA-binding transcription factor family protein
13415926	7.99	7.63	1.28	0.022196	0.326278	AT2G32600	splicing factor 3A subunit 2
13475435	7.99	7.65	1.27	0.113367	0.444631	AT4G30100	tRNA-splicing endonuclease positive effector-related protein
13544878	7.99	8.12	-1.09	0.841068	0.899878	rps18	30S ribosomal protein S18
13408579	7.99	8.3	-1.24	0.001713	0.251019	AT2G12462	hypothetical protein
13429261	7.99	8.31	-1.24	0.21836	0.52078	AT3G16780	60S ribosomal protein L19-2
13342678	7.99	8.67	-1.59	0.110193	0.441206	HMGB2	high mobility group B2 protein
13431011	7.99	8.97	-1.97	0.066988	0.404891	AT3G20370	TRAF-like family protein
13343294	7.98	5.69	4.9	0.032532	0.353134	AT1G22190	ethylene-responsive transcription factor ERF058
13465932	7.98	6.25	3.31	0.057837	0.39275	AT4G05150	octicosapeptide/Phox/Bem1p domain-containing protein
13366026	7.98	7.18	1.73	0.078601	0.414078	AT1G10120	transcription factor bHLH74
13508403	7.98	7.2	1.72	0.185371	0.499807	AT5G39590	TLD-domain containing nucleolar protein
13511105	7.98	7.26	1.64	0.112347	0.443475	AT5G46030	transcription elongation factor 1-like protein
13377781	7.98	7.31	1.6	0.237074	0.531149	ALATS	Alanyl-tRNA synthetase
13493404	7.98	7.34	1.56	0.248277	0.536392	CAD5	cinnamyl alcohol dehydrogenase 5
13427325	7.98	7.38	1.51	0.168257	0.487067	AT3G12760	hypothetical protein
13345077	7.98	7.43	1.46	0.332979	0.576298	HK3	histidine kinase 3
13527722	7.98	7.53	1.37	0.187049	0.501503	AT5G18230	CCR4-NOT transcription complex subunit 3

13434400	7.98	7.65	1.26	0.226251	0.525127	HMG	FACT complex subunit SSRP1
13542485	7.98	7.72	1.19	0.440252	0.629816	AT5G62300; AT3G45030	40S ribosomal protein S20-1
13487067	7.98	7.81	1.12	0.046791	0.377465	AT4G19880	Intracellular chloride channel-like protein
13479518	7.98	8.08	-1.07	0.806962	0.876079	CESA2	cellulose synthase A catalytic subunit 2 [UDP-forming]
13544890	7.98	8.62	-1.56	0.298921	0.562461	ycf2	Ycf2; ycf2
13545100	7.98	8.62	-1.56	0.298921	0.562461	ycf2	Ycf2; ycf2
13542530	7.97	7.41	1.48	0.202697	0.510485	ALDH12A1; SRO5	delta-1-pyrroline-5-carboxylate dehydrogenase 12A1; RCD one 5-like protein
13489138	7.97	7.64	1.25	0.385049	0.598088	AT4G24820	26S proteasome regulatory subunit N7
13342559	7.97	8.13	-1.11	0.594581	0.729615	AT1G20260	V-type proton ATPase subunit B3
13543072	7.97	8.49	-1.44	0.165121	0.485944	NAC102	NAC domain-containing protein 102
13417425	7.97	8.57	-1.52	0.18707	0.501503	PUB23	E3 ubiquitin-protein ligase PUB23
13497869	7.96	6.06	3.74	0.047294	0.377622	PYL5	abscisic acid receptor PYL5
13441502	7.96	6.18	3.43	0.002981	0.253459	ARGOS	ARGOS protein
13386274	7.96	6.5	2.73	0.050611	0.380985	AT1G72200	RING-H2 finger protein ATL11
13541665	7.96	6.58	2.61	0.028678	0.34718	AT5G60340	maoC-like dehydratase domain-containing protein
13385522	7.96	6.65	2.48	0.012548	0.301412	NRT1:2	nitrate transporter 1:2
13451154	7.96	7.06	1.86	0.07893	0.414078	RBP47B	RNA-binding protein 47B
13366417	7.96	7.17	1.74	0.069207	0.406403	AT1G10865	hypothetical protein
13475906	7.96	7.18	1.72	0.17169	0.489372	AT4G31180	aspartyl-tRNA synthetase
13496282	7.96	7.26	1.63	0.125061	0.454106	AT5G01750	LURP-one-related 15 protein
13516710	7.96	7.66	1.23	0.450158	0.635526	AT5G58420	40S ribosomal protein S4-3
13530518	7.96	7.76	1.15	0.160466	0.482937		
13373742	7.96	7.79	1.12	0.300499	0.563372	CAD1	MAC/Perforin domain-containing protein
13523600	7.96	7.9	1.05	0.819197	0.884323	CI51	NADH dehydrogenase (ubiquinone) flavoprotein 1
13399762	7.96	8.29	-1.25	0.188687	0.502829	UCC1	uclacyanin 1
13438560	7.96	8.3	-1.27	0.049358	0.378741	AT3G52470	late embryogenesis abundant hydroxyproline-rich glycoprotein
13337383	7.95	3.64	19.9	0.004409	0.262292	AT1G08440	aluminum activated malate transporter
13362548	7.95	6.49	2.75	0.077406	0.412497	GSTF7	glutathione S-transferase 11
13422388	7.95	6.56	2.61	0.019444	0.321499	WRKY23	WRKY DNA-binding protein 23
13376990	7.95	6.77	2.28	0.087496	0.423422	D-CDES	D-cysteine desulfhydrase
13472422	7.95	6.85	2.15	0.059471	0.39495	AT4G23470	PLAC8 family protein
13334703	7.95	7.07	1.84	0.060424	0.396137	AT1G02100	Leucine carboxyl methyltransferase
13359751	7.95	7.19	1.7	0.204638	0.511475	SmD3	snRNP core protein SMD3
13446241	7.95	7.19	1.69	0.104024	0.436528	AT3G07660	hypothetical protein
13507041	7.95	7.23	1.65	0.141443	0.467925	AT5G32440	Ubiquitin system component Cue protein
13511513	7.95	7.3	1.57	0.059924	0.395205	AT5G47020	hypothetical protein
13411874	7.95	7.42	1.45	0.099796	0.434356	AT2G23090	hypothetical protein
13430419	7.95	7.52	1.34	0.000789	0.21693	AT3G19100	putative calcium-dependent protein kinase
13339062	7.95	7.55	1.33	0.358739	0.585867	AT1G11930	putative pyridoxal phosphate-dependent enzyme, YBL036C type
13382833	7.95	7.59	1.28	0.24585	0.535523	AT1G63770	Peptidase M1 family protein
13344922	7.95	7.66	1.23	0.488738	0.657764	AT1G27000	hypothetical protein
13481850	7.95	7.66	1.22	0.338049	0.577332	AT4G05060	vesicle-associated membrane family protein

13425244	7.95	7.8	1.11	0.632303	0.755029	MFP2	enoyl-CoA hydratase/3-hydroxyacyl-CoA dehydrogenase
13429071	7.95	8.06	-1.08	0.530521	0.686612	PDR1	ABC transporter G family member 29
13339041	7.95	8.12	-1.12	0.127562	0.45753	SEC22	vesicle transport protein SEC22
13450164	7.95	8.52	-1.48	0.03948	0.364851	JR1	myrosinase-binding-like protein
13544970	7.95	8.79	-1.8	0.511677	0.673293		
13430457	7.94	7.04	1.87	0.134721	0.463251	ATG2	protein autophagy 2
13449102	7.94	7.05	1.86	0.04372	0.373007	TMN7	protein transmembrane nine 7
13455013	7.94	7.06	1.84	0.053378	0.383838	AT3G29034	hypothetical protein
13497000	7.94	7.16	1.72	0.047055	0.377591	AT5G03460	hypothetical protein
13532282	7.94	7.17	1.7	0.002865	0.253459	PAA1	proteasome subunit alpha type-6-A
13494619	7.94	7.34	1.51	0.316228	0.568464	PLP1	patatin-like protein
13495300	7.94	7.49	1.36	0.204757	0.511575	KAK	E3 ubiquitin-protein ligase UPL3
13487653	7.94	7.65	1.22	0.149302	0.47212	AT4G21660	splicing factor 3B subunit 2
13354928	7.94	7.82	1.09	0.740687	0.829625	RBOH F	respiratory burst oxidase
13489074	7.94	7.83	1.08	0.674861	0.784547	FC2	serine/threonine-protein kinase AFC2
13393237	7.94	7.89	1.04	0.845157	0.902362	NIR1	Ferredoxin--nitrite reductase
13366147	7.94	7.97	-1.02	0.895022	0.935338	AT1G10410	hypothetical protein
13446433	7.94	8.03	-1.07	0.328538	0.574512	PLC2	phosphoinositide phospholipase C 2
13340196	7.93	5.82	4.29	0.001518	0.249401	AT1G14890	plant invertase/pectin methylesterase inhibitor domain-containing protein
13359549	7.93	6.89	2.06	0.093727	0.430403	AT1G75800	pathogenesis-related thaumatin-like protein
13518598	7.93	7	1.91	0.090077	0.427018	AT5G62930	GDSL esterase/lipase
13364387	7.93	7.07	1.81	0.089697	0.426754	AT1G06840	putative leucine-rich repeat transmembrane protein kinase
13506994	7.93	7.19	1.67	0.16305	0.484829	AT5G28919	hypothetical protein
13366720	7.93	7.24	1.62	0.096162	0.43217	AT1G11480	eukaryotic translation initiation factor-like protein
13334652	7.93	7.32	1.53	0.151658	0.473918	AT1G02080	CCR4-NOT transcription complex subunit 1
13383843	7.93	7.32	1.52	0.103764	0.436308	ZFP4	zinc finger protein 4
13460549	7.93	7.61	1.25	0.477912	0.650992	AT3G55960	haloacid dehalogenase-like hydrolase domain-containing protein
13401712	7.93	7.73	1.15	0.653558	0.770191	AT2G36950	heavy-metal-associated domain-containing protein
13443570	7.93	7.78	1.11	0.650468	0.767739	AT3G02220	hypothetical protein
13520607	7.93	7.85	1.06	0.812448	0.880062	FRO1	NADH dehydrogenase (ubiquinone) Fe-S protein 4
13411058	7.93	7.88	1.03	0.885953	0.93018	AT2G20760	Clathrin light chain protein
13525030	7.93	7.9	1.03	0.875149	0.922834	AT5G11970	hypothetical protein
13496618	7.93	8.07	-1.1	0.310371	0.566973	HTA12	histone H2A 12
13536751	7.93	9.42	-2.81	0.020251	0.322692	CYP708A2	cytochrome P450 708A2
13343655	7.92	6.77	2.23	0.087612	0.423636	AT1G22990	heavy-metal-associated domain-containing protein
13458629	7.92	6.88	2.06	0.0633	0.399314	AT3G51330	aspartyl protease family protein
13540832	7.92	6.88	2.05	0.028293	0.345709	TTL	uric acid degradation bifunctional protein TTL
13406049	7.92	7.07	1.8	0.195587	0.506403	SPL1	squamosa promoter-binding-like protein 1
13343811	7.92	7.1	1.77	0.143338	0.469064	RPL27AB	60S ribosomal protein L27a-2
13406498	7.92	7.19	1.66	0.152028	0.474286	AT2G47960	hypothetical protein
13500355	7.92	7.22	1.63	0.04931	0.378741	AT5G11490	beta-adaptin-like protein A

13532739	7.92	7.23	1.61	0.105006	0.43719	ACS	acetyl-CoA synthetase
13459262	7.92	7.33	1.51	0.149613	0.472476	MDAR1	monodehydroascorbate reductase (NADH)
13542343	7.92	7.63	1.23	0.42092	0.617712	ML1	MEI2-like protein 1
13525738	7.92	7.7	1.17	0.175306	0.492147	SMT1	cycloartenol-c-24-methyltransferase
13405228	7.92	7.79	1.1	0.515445	0.675675	PVA12	VAP-like protein 12
13422258	7.92	8.37	-1.37	0.360757	0.587499	ABCB4	ABC transporter B family member 4
13445148	7.91	5.85	4.15	0.120357	0.451817	AT3G05770	hypothetical protein
13427204	7.91	6.11	3.47	0.008046	0.290453	AT3G12320	hypothetical protein
13363863	7.91	6.39	2.85	0.062706	0.398459	CALS1	callose synthase 1
13512198	7.91	6.6	2.48	0.016664	0.316275	AT5G48480	Lactoylglutathione lyase / glyoxalase I-like protein
13447349	7.91	7	1.88	0.130414	0.460489	SEC8	exocyst complex component 4
13516825	7.91	7.12	1.73	0.146147	0.470765	AT5G58787	RING/U-box domain-containing protein
13425001	7.91	7.13	1.71	0.024483	0.333211	CHR11	chromatin-remodeling protein 11
13542366	7.91	7.28	1.55	0.15952	0.481832	OXA1	mitochondrial inner membrane protein OXA1
13482754	7.91	7.31	1.52	0.315997	0.568464	AT4G10320	isoleucyl-tRNA synthetase
13414799	7.91	7.35	1.48	0.138135	0.46568	WRKY25	putative WRKY transcription factor 25
13484703	7.91	7.4	1.43	0.148194	0.471967	AT4G14740	hypothetical protein
13390091	7.91	7.4	1.42	0.252748	0.538805	NHO1	glycerol kinase
13427753	7.91	7.43	1.39	0.026146	0.337545	AT3G13670; AT3G13672	protein kinase-like protein; seven in absentia (SINA) domain-containing protein
13463261	7.91	7.45	1.37	0.219407	0.521515	AT3G62360	carbohydrate-binding-like fold-containing protein
13500166	7.91	7.48	1.35	0.081068	0.41589	AT5G11090	serine-rich protein-like protein
13426675	7.91	7.53	1.3	0.234203	0.529498	SAG20	senescence associated protein 20
13444934	7.91	7.58	1.26	0.445653	0.633264	AT3G05280	Integral membrane Yip1-like protein
13463651	7.91	7.64	1.21	0.128356	0.458486	BIL4	BAX inhibitor-1 motif-containing protein
13463337	7.91	7.97	-1.05	0.876253	0.923637	ATERDJ3B	DNAJ heat shock family protein
13453709	7.9	6.65	2.39	0.068143	0.406286	RTFL16	protein rotundifolia like 16
13374737	7.9	6.67	2.35	0.030654	0.350098	AT1G32090	early-responsive to dehydration stress protein (ERD4)
13367872	7.9	6.73	2.24	0.029761	0.349332	AL7	protein alfin-like 7
13376674	7.9	6.8	2.15	0.02947	0.348027	AT1G47670	Lysine histidine transporter-like 8
13341298	7.9	6.82	2.11	0.100194	0.434576	AlaAT1	alanine aminotransferase
13356980	7.9	6.99	1.88	0.16108	0.483253	ELF5A-3	translation initiation factor eIF-5A
13342462	7.9	7.01	1.86	0.059675	0.395062	HYD1	cholestenol delta-isomerase
13422495	7.9	7.06	1.8	0.00685	0.285606	RFI2	RING/U-box domain-containing protein
13418552	7.9	7.07	1.78	0.045079	0.374885	AT2G38410	VHS and GAT domain-containing protein
13398460	7.9	7.16	1.67	0.202822	0.510485	AT2G29020	Rab5-interacting-like protein
13501120	7.9	7.16	1.66	0.106548	0.43889	AT5G13650	elongation factor family protein
13427932	7.9	7.19	1.64	0.101968	0.435457	CID4	CTC-interacting domain 4 protein
13390481	7.9	7.24	1.57	0.127015	0.456777	AT2G01490	phytanoyl-CoA dioxygenase (PhyH)-like protein
13439766	7.9	7.36	1.46	0.036878	0.359989	SCL30	SC35-like splicing factor 30
13499686	7.9	7.43	1.39	0.071139	0.408144	ACT7	actin 7
13424697	7.9	7.46	1.36	0.297322	0.56231	RPT5A	regulatory particle triple-A ATPase 5A
13484521	7.9	7.46	1.36	0.262151	0.543595	AT4G14350	AGC (cAMP-dependent, cGMP-dependent and protein kinase C) kinase family protein
13545305	7.9	7.48	1.34	0.168547	0.487177	ArthMp060	hypothetical protein

13467994	7.9	7.54	1.28	0.1897	0.50336	MHK	serine/threonine-protein kinase MHK
13340615	7.9	7.56	1.27	0.270634	0.548501	CCR1	cinnamoyl coa reductase 1
13448047	7.9	7.57	1.26	0.153699	0.476554	UBP13	ubiquitin carboxyl-terminal hydrolase 13
13428169	7.9	7.63	1.21	0.117243	0.447119	AT3G14595	ribosomal protein L18ae family protein
13394973	7.9	7.72	1.13	0.480016	0.652001	AT2G20360	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex 9
13473746	7.9	7.84	1.05	0.795789	0.868451	AT4G26230	60S ribosomal protein L31-2
13339077	7.89	5.26	6.22	0.026424	0.338646	AT1G12010	aminocyclopropanecarboxylate oxidase
13460991	7.89	6.69	2.3	0.037596	0.361338	AT3G57010	strictosidine synthase family protein
13356039	7.89	6.75	2.2	0.023964	0.332025	AT1G67148	hypothetical protein
13346099	7.89	6.86	2.04	0.016652	0.316275	NUDX25	nudix hydrolase 25
13357654	7.89	7.05	1.79	0.121877	0.452662	PIN3	auxin efflux carrier component 3
13500570	7.89	7.42	1.39	0.371084	0.591914	AT5G11900	Translation initiation factor SUI1 family protein
13460736	7.89	7.42	1.38	0.439727	0.629482	AT3G56340	40S ribosomal protein S26-3
13368090	7.89	7.56	1.25	0.278284	0.552987	DL1C	dynamin-related protein 1C
13494261	7.89	7.67	1.16	0.470631	0.647199	BGAL3	beta-galactosidase 3
13344543	7.89	7.9	-1.01	0.97361	0.984744	AT1G25550	myb-like transcription factor-like protein
13347176	7.89	8.08	-1.14	0.543848	0.694865	AT1G32700	PLATZ transcription factor domain-containing protein
13430728	7.88	6.58	2.46	0.042153	0.368598	bHLH121	transcription factor bHLH121
13495971	7.88	7.18	1.63	0.183852	0.498487	AT4G40050	hypothetical protein
13536208	7.88	7.24	1.57	0.102202	0.435549	AT5G46340	putative O-acetyltransferase
13470601	7.88	7.39	1.41	0.109247	0.440715	AT4G18930	cyclic phosphodiesterase
13439087	7.88	7.52	1.29	0.191135	0.504398	AT3G53870	40S ribosomal protein S3-2
13402393	7.88	7.67	1.16	0.359478	0.586236	LTP2	non-specific lipid-transfer protein 2
13467601	7.88	7.74	1.11	0.578306	0.718308	AT4G11790	pleckstrin homology domain-containing protein
13525449	7.88	7.8	1.05	0.768577	0.849014	AT5G13020	Emsy N Terminus and plant Tudor-like domain-containing protein
13443399	7.88	7.84	1.03	0.85403	0.908364	AT3G01720	hypothetical protein
13343124	7.88	7.99	-1.08	0.82971	0.891798	PDIL1-1	protein disulfide-isomerase A1
13376551	7.88	8.31	-1.35	0.151361	0.473698	RD21	cysteine proteinase RD21a
13480925	7.88	8.58	-1.62	0.031591	0.352537	AT4G02450	HSP20-like chaperone
13544839	7.88	9.26	-2.59	0.003479	0.253459	psbC; psbD	PSII 43 kDa protein; photosystem II protein D2
13493553	7.88	9.98	-4.3	0.002218	0.253459	ADC2	arginine decarboxylase 2
13405680	7.87	6.55	2.51	0.011589	0.299497	AT2G46220	hypothetical protein
13424198	7.87	6.79	2.12	0.041465	0.367619	AHL19	AT-hook motif nuclear-localized protein 19
13362949	7.87	6.8	2.09	0.044709	0.374597	AT1G03850	monothiol glutaredoxin-S13
13395286	7.87	7.2	1.59	0.069099	0.406403	LAX2	auxin transporter-like protein 2
13397314	7.87	7.22	1.57	0.157782	0.480312	AT2G26210	Ankyrin repeat family protein
13517030	7.87	7.29	1.49	0.277471	0.552103	ORP3C	oxysterol binding protein-related protein 3C
13334726	7.87	7.31	1.47	0.222883	0.524028	VAD1	GRAM domain family protein
13408386	7.87	7.39	1.39	0.064205	0.400717	AT2G07825	hypothetical protein
13524444	7.87	7.66	1.15	0.45089	0.635828	GTE2	global transcription factor group E2
13415402	7.87	7.69	1.14	0.587346	0.725595	AT2G31390	fructokinase
13379001	7.87	7.77	1.07	0.828161	0.890781	PPC1	phosphoenolpyruvate carboxylase 1
13458852	7.87	7.78	1.07	0.555045	0.70298	HMGB1	high mobility group protein B1

13514522	7.87	7.77	1.07	0.558389	0.704841	AT5G53480	armadillo/beta-catenin-like repeat-containing protein
13343629	7.87	7.79	1.06	0.745498	0.832887	AT1G22930	T-complex protein 11
13379956	7.87	7.83	1.02	0.898345	0.937268	AT1G55680	transducin/WD-40 repeat-containing protein
13458806	7.87	7.93	-1.04	0.843351	0.901174	ATG2	metallopeptidase M24 domain-containing protein
13522131	7.87	7.92	-1.04	0.743759	0.831854	NAS1	nicotianamine synthase 1
13537899	7.87	7.95	-1.06	0.513149	0.674379	AT5G50460; AT4G24920	protein transport protein sec61 subunit gamma-1
13545323	7.87	8.61	-1.67	0.053897	0.3842	ccb382	cytochrome c biogenesis orf382
13545297	7.87	8.9	-2.03	0.399321	0.605217	AT2G07719; ArthMp054	Putative membrane lipoprotein; hypothetical protein
13464368	7.86	6.85	2.01	0.095521	0.431665	MPK4	mitogen-activated protein kinase 4
13348715	7.86	7.06	1.74	0.051151	0.382129	SEU	SEUSS transcriptional co-regulator
13342853	7.86	7.11	1.68	0.179144	0.494684	AT1G21065; EID1	hypothetical protein; phytochrome A-associated F-box protein
13407770	7.86	7.13	1.66	0.096715	0.43273	AT2G04410	RPM1-interacting protein 4-like protein
13377217	7.86	7.4	1.37	0.104367	0.4366	EMB1144	chorismate synthase
13377209	7.86	7.52	1.27	0.386871	0.598595	AT1G48830	40S ribosomal protein S7-1
13388275	7.86	7.54	1.24	0.271377	0.548926	AT1G76810	translation initiation factor eIF-5B
13343556	7.86	7.66	1.15	0.637103	0.758584	CYTC-1; AT1G22850	cytochrome C-1; SNARE associated Golgi protein family
13493432	7.86	7.77	1.06	0.849244	0.905068	HDR	4-hydroxy-3-methylbut-2-enyl diphosphate reductase
13452019	7.86	7.94	-1.06	0.019448	0.321499	NADK1	NAD(H) kinase 1
13351239	7.85	6.95	1.87	0.152678	0.475381	AT1G52420	UDP-glycosyltransferase-like protein
13414807	7.85	7.15	1.62	0.052841	0.383093	U2B"	U2 small nuclear ribonucleoprotein B"
13354171	7.85	7.16	1.61	0.196049	0.507008	AT1G61790	OST3 and OST6 domain-containing protein
13430674	7.85	7.2	1.57	0.325702	0.573459	EIF4A-III	DEAD-box ATP-dependent RNA helicase 2
13436712	7.85	7.24	1.53	0.024111	0.332187	AT3G48020	hypothetical protein
13529209	7.85	7.28	1.49	0.092553	0.429659	J2	chaperone protein dnaJ 2
13335868	7.85	7.31	1.46	0.138535	0.46568	KAB1	potassium channel beta subunit 1
13370518	7.85	7.43	1.33	0.032587	0.353134	AT1G20575	dolichol-phosphate mannosyltransferase
13519415	7.85	7.44	1.33	0.029984	0.350095	LIP1	Ras-related small GTP-binding family protein
13479803	7.85	7.44	1.33	0.190242	0.503959	AT4G39955	hydrolase, alpha/beta fold family protein
13395563	7.85	7.67	1.14	0.314024	0.568024	RD2	adenine nucleotide alpha hydrolases-like protein
13495660	7.85	7.7	1.11	0.640345	0.760374	CCR1	glycine-rich RNA-binding protein 8
13482715	7.85	7.9	-1.03	0.839241	0.898697	AT4G10110; CNX7	RNA recognition motif-containing protein; Molybdopterin synthase sulfur carrier subunit
13488687	7.85	8.52	-1.59	0.023831	0.331469	AT4G23670	SRPBCC ligand-binding domain-containing protein
13346153	7.85	8.67	-1.76	0.081733	0.416797	CIPK23	CBL-interacting serine/threonine-protein kinase 23
13439798	7.84	5.64	4.58	0.002539	0.253459	RTFL7	protein rotundifolia like 7
13472381	7.84	6.06	3.44	0.068122	0.406286	PIP1;5	putative aquaporin PIP1-5
13389924	7.84	6.47	2.59	0.019088	0.321499	APT2	adenine phosphoribosyltransferase 2

13470146	7.84	7.26	1.5	0.287114	0.557153	AT4G17900	PLATZ transcription factor family protein
13448002	7.84	7.33	1.43	0.093857	0.430403	AT3G11770	DnaQ-like 3'-5' exonuclease domain-containing protein
13378643	7.84	7.41	1.35	0.157431	0.479979	AT1G52300	60S ribosomal protein L37-2
13366623	7.84	7.42	1.34	0.256912	0.541014	AT1G11240	hypothetical protein
13472108	7.84	7.54	1.24	0.336393	0.576994	HIP1	HSP70-interacting protein 1
13385752	7.84	7.58	1.19	0.304102	0.564633	ARFA1D; ARF1	ADP-ribosylation factor 2
13544900	7.84	8.23	-1.32	0.188113	0.502321		
13545089	7.84	8.23	-1.32	0.188113	0.502321		
13464381	7.83	4.73	8.56	0.003206	0.253459	AT4G01430	nodulin MtN21 /EamA-like transporter protein
13418852	7.83	6.17	3.15	0.084327	0.418249	MLO12	MLO-like protein 12
13509874	7.83	6.81	2.02	0.089957	0.427018	AT5G42950	GYF domain-containing protein
13496513	7.83	6.93	1.87	0.036169	0.358344	EXPA9	expansin A9
13385680	7.83	7	1.78	0.018055	0.319749	UPL2	ubiquitin-protein ligase 2
13412303	7.83	7	1.78	0.164315	0.485779	LRL1	transcription factor bHLH66
13443351	7.83	7.11	1.65	0.171001	0.489004	DRH1	DEAD-box ATP-dependent RNA helicase 14
13363517	7.83	7.18	1.57	0.211529	0.516891	AT1G04985	hypothetical protein
13519805	7.83	7.28	1.46	0.011183	0.297771	AT5G65650	hypothetical protein
13538113	7.83	7.29	1.46	0.254354	0.539693	CRL; AT5G51010	protein crumpled leaf; rubredoxin-like protein
13406845	7.83	7.4	1.35	0.247822	0.536315	STL2P	prolactin regulatory element-binding protein
13379601	7.83	7.5	1.26	0.310773	0.566973	AT1G54610	putative serine/threonine-protein kinase
13416298	7.83	7.57	1.2	0.457159	0.639333	IAA13; AT2G33300	auxin-responsive protein IAA13; Transcription elongation factor (TFIIS) family protein
13483233	7.83	8.07	-1.18	0.518051	0.677438	GPX6	glutathione peroxidase
13359430	7.82	7.1	1.65	0.124661	0.453788	AT1G75400	RING/U-box domain-containing protein
13346942	7.82	7.12	1.62	0.119142	0.449468	AT1G32050	secretory carrier-associated membrane protein 4
13478486	7.82	7.13	1.62	0.131448	0.461561	APP1	aminopeptidase P1
13491968	7.82	7.16	1.58	0.094895	0.431292	AT4G31450	RING/U-box domain-containing protein
13518585	7.82	7.17	1.57	0.039021	0.364658	AT5G62900	hypothetical protein
13494096	7.82	7.24	1.49	0.030896	0.351017	AT4G36040	chaperone protein dnaJ 11
13491741	7.82	7.33	1.41	0.224758	0.524988	HHP2; AT4G30845	heptahelical transmembrane protein2; hypothetical protein
13520615	7.82	7.36	1.37	0.10641	0.438604	AT5G01010	hypothetical protein
13441126	7.82	7.37	1.36	0.142807	0.468772	AT3G59090	hypothetical protein
13528097	7.82	7.4	1.34	0.225755	0.524988	MPK16	mitogen-activated protein kinase 16
13506446	7.82	7.42	1.32	0.29119	0.559055	AT5G27430	Signal peptidase complex subunit 3B
13424358	7.82	7.44	1.3	0.076804	0.411564	AT3G04920	40S ribosomal protein S24-1
13391729	7.82	7.56	1.2	0.405819	0.609101	ZAP1; SCL21	WRKY transcription factor 1; scarecrow-like protein 21
13473020	7.82	7.58	1.18	0.464787	0.643965	AT4G24550	AP-4 complex subunit mu-1
13479405	7.82	7.62	1.15	0.635059	0.757433	VHA-A3	V-type H+-transporting ATPase subunit I
13479819	7.82	7.66	1.12	0.539295	0.691974	DHS1	phospho-2-dehydro-3-deoxyheptonate aldolase 1
13368673	7.82	7.67	1.11	0.688887	0.794104	AT1G16210	hypothetical protein
13406775	7.82	7.84	-1.02	0.905813	0.942411	QPT	quinolinate phoshoribosyltransferase

13471455	7.82	8.01	-1.15	0.455365	0.638525	AT4G21105	Acytochrome-c oxidase/ electron carrier
13468181	7.82	8.04	-1.16	0.509394	0.671772	AT4G13530	hypothetical protein
13359047	7.82	8.21	-1.31	0.329111	0.574752	AT1G74210	glycerophosphoryl diester phosphodiesterase
13545179	7.82	8.36	-1.45	0.562435	0.707644	ArthMp056	hypothetical protein
13545341	7.82	8.52	-1.61	0.735904	0.827244		
13431009	7.82	8.56	-1.67	0.032787	0.353721		
13544972	7.82	8.56	-1.67	0.032787	0.353721		
13544843	7.82	9.59	-3.41	0.022969	0.330115		
13393900	7.81	6.15	3.16	0.015703	0.315212	AT2G17710	hypothetical protein
13495514	7.81	6.28	2.9	0.022559	0.327966		
13485016	7.81	6.41	2.63	0.05086	0.381454	AT4G15390	HXXXD-type acyl-transferase family protein
13360547	7.81	6.91	1.86	0.113659	0.444631	AT1G78150	hypothetical protein
13480577	7.81	7.04	1.7	0.150347	0.473213	MEE49	ribosomal RNA processing brix domain-containing protein
13429300	7.81	7.05	1.69	0.137913	0.46568	TPR2	Topless-related 2 protein
13394760	7.81	7.22	1.5	0.23949	0.532592	AT2G19790	AP-4 complex subunit sigma
13369928	7.81	7.3	1.43	0.015242	0.313468	AT1G19130	hypothetical protein
13360994	7.81	7.31	1.41	0.183105	0.497967	MST1	thiosulfate sulfurtransferase
13413050	7.81	7.49	1.25	0.281177	0.554581	AT2G25970	upstream element-binding protein
13407054	7.81	7.65	1.12	0.335209	0.576654	AT2G01970	putative endomembrane protein 70
13410517	7.81	7.73	1.06	0.846392	0.903174	SNF7.2	vacuolar protein sorting-associated protein 32-1
13524049	7.81	7.91	-1.07	0.736085	0.827286	AT5G09850	Transcription elongation factor (TFIIS) family protein
13485623	7.81	7.96	-1.11	0.533564	0.688061	ACX1	peroxisomal acyl-coenzyme A oxidase 1
13372825	7.81	8	-1.14	0.461793	0.642527	AT1G27100	Actin cross-linking protein
13374130	7.81	8.05	-1.18	0.522446	0.680694	RFNR2	ferredoxin--NADP+ reductase
13471810	7.81	8.47	-1.59	0.122084	0.452662	AT4G21740	hypothetical protein
13392233	7.81	8.67	-1.81	0.123225	0.453558	AT2G07678	hypothetical protein
13375843	7.81	9.79	-3.94	0.018972	0.321499	SHM7	serine hydroxymethyltransferase 7
13452690	7.8	5.11	6.48	0.011119	0.297771	AT3G22750	protein kinase family protein
13543334	7.8	6.36	2.7	0.021848	0.325596	SAC51; CPuORF40; CPuORF38; CPuORF39	transcription factor SAC51; conserved peptide upstream open reading frame 40; conserved peptide upstream open reading frame 38; conserved peptide upstream open reading frame 39
13449719	7.8	6.47	2.51	0.080171	0.414375	AT3G15300	VQ motif-containing protein
13379523	7.8	6.57	2.35	0.097609	0.433275	AT1G54460	TPX2 (targeting protein for Xklp2) protein family
13495958	7.8	6.98	1.76	0.213262	0.518061	AT4G40040; AT5G10980; AT4G40030	histone H3
13503648	7.8	7.1	1.62	0.03896	0.364658	AT5G19680	leucine-rich repeat-containing protein
13471483	7.8	7.13	1.59	0.116183	0.446833	HAP6	ribophorin II (RPN2) family protein
13528054	7.8	7.22	1.49	0.157809	0.480317	AT5G18900	oxidoreductase, 2OG-Fe(II) oxygenase family protein
13538744	7.8	7.27	1.44	0.039747	0.365591	AT5G52650	40S ribosomal protein S10-3
13457875	7.8	7.28	1.44	0.277998	0.552613	NAC062	NAC domain-containing protein 62

13499948	7.8	7.41	1.31	0.434473	0.626156	AIL6	AP2-like ethylene-responsive transcription factor AIL6
13419999	7.8	7.48	1.25	0.495418	0.66198	VLN2	villin 2
13438727	7.8	7.54	1.19	0.385258	0.598088	AT3G52990	pyruvate kinase
13517788	7.8	7.59	1.15	0.528892	0.685594	AT5G61170	40S ribosomal protein S19-3
13369524	7.8	7.73	1.05	0.442117	0.630779	AT1G18070	G1 to S phase transition protein
13360766	7.8	7.87	-1.06	0.42931	0.622788	GGH2	gamma-glutamyl hydrolase 2
13383786	7.8	7.9	-1.07	0.81766	0.883465	TPX1	peroxiredoxin-2B
13420591	7.8	8.1	-1.23	0.257257	0.541232	MPK20	mitogen-activated protein kinase 20
13392306	7.8	8.29	-1.41	0.391861	0.601147	AT2G07715	60S ribosomal protein L2
13433024	7.8	8.38	-1.49	0.04057	0.365846	ROF1	rotamase FKBP 1
13438193	7.79	6.12	3.18	0.124378	0.453788	AT3G51670	patellin-6
13388129	7.79	6.84	1.93	0.040611	0.365846	AT1G76460	RNA recognition motif-containing protein
13397445	7.79	7.07	1.65	0.142804	0.468772	PDE135	nucleobase-ascorbate transporter 3
13371056	7.79	7.29	1.41	0.216378	0.519792	AT1G21920	putative phosphatidylinositol-4-phosphate 5-kinase
13409394	7.79	7.33	1.38	0.154212	0.47717	MYB7	myb domain protein 7
13337196	7.79	7.34	1.37	0.05133	0.382129	AT1G07990	SIT4 phosphatase-associated family protein
13387155	7.79	7.51	1.22	0.477142	0.650508	AT1G74060	60S ribosomal protein L6-2
13394030	7.79	7.56	1.17	0.463508	0.643316	EMB2296	60S ribosomal protein L8-1
13525668	7.79	7.56	1.17	0.356846	0.584818	AT5G13560	hypothetical protein
13478745	7.79	8.04	-1.19	0.488815	0.657764	MYB73	myb domain protein 73
13334429	7.79	8.38	-1.5	0.040242	0.365591	AT1G01630	protein sec fourteen-like protein-20
13388270	7.79	8.44	-1.57	0.02858	0.346728	AT1G76790	O-methyltransferase-like protein
13456718	7.78	3.53	19.03	0.002935	0.253459	MEE39	putative LRR receptor-like serine/threonine-protein kinase MEE39
13410429	7.78	5.22	5.92	0.00247	0.253459	ACO1	aminocyclopropanecarboxylate oxidase
13430232	7.78	5.51	4.82	0.010216	0.296261	AT3G18773	RING-H2 finger protein ATL77
13398361	7.78	6.07	3.26	0.00259	0.253459	AT2G28660	Chloroplast-targeted copper chaperone protein
13529131	7.78	6.28	2.82	0.016589	0.316275	AT5G21940	hypothetical protein
13485859	7.78	6.48	2.47	0.057127	0.391414	AT4G17140	pleckstrin homology (PH) domain-containing protein
13468995	7.78	6.59	2.29	0.004705	0.264229	CYP702A5	cytochrome P450, family 702, subfamily A, polypeptide 5
13545185	7.78	6.74	2.06	0.022428	0.327579	AT2G07687; cox3	cytochrome c oxidase subunit 3
13358125	7.78	6.74	2.04	0.052602	0.382994	AT1G71980	protease-associated and C3HC4-type RING finger domain-containing protein
13423732	7.78	6.81	1.95	0.17666	0.49304	DegP7	protease Do-like 7
13489281	7.78	6.82	1.94	0.079683	0.414251	FSD1	Superoxide dismutase [Fe]
13495239	7.78	6.84	1.93	0.09839	0.433275	AT4G38495; AT4G38500	INO80 complex subunit C; hypothetical protein
13407670	7.78	6.95	1.77	0.217527	0.520618	AT2G04090	MATE efflux family protein
13489525	7.78	7.07	1.63	0.002018	0.253459	AT4G25620; AT4G25610	hydroxyproline-rich glycoprotein family protein; C2H2-like zinc finger protein
13522550	7.78	7.17	1.53	0.302679	0.563999	AT5G06110	DnaJ and myb-like DNA-binding domain-containing protein
13473429	7.78	7.18	1.52	0.234976	0.529694	AT4G25550	cleavage/polyadenylation specificity factor
13464968	7.78	7.23	1.46	0.034023	0.354099		
13335414	7.78	7.32	1.38	0.374833	0.593164	AT1G03740	protein kinase domain-containing protein

13526262	7.78	7.39	1.31	0.221988	0.523175	AT5G14720	protein kinase family protein
13366928	7.78	7.53	1.19	0.517093	0.676835	AT1G12000	pyrophosphate--fructose-6-phosphate 1-phosphotransferase
13406068	7.78	7.57	1.16	0.077009	0.411736	ARF1A1C	ADP-ribosylation factor 1
13465379	7.78	7.56	1.16	0.513269	0.674445	TPC1	two pore calcium channel protein 1
13472409	7.78	7.62	1.12	0.371357	0.591914	AT4G23430	Rossmann-fold NAD(P)-binding domain-containing protein
13464137	7.78	7.62	1.11	0.40174	0.60689	AT4G00830	RNA recognition motif-containing protein
13442570	7.78	7.71	1.04	0.448391	0.634945	AT3G62140	hypothetical protein
13475404	7.78	7.73	1.03	0.928594	0.956744	AT4G30010	hypothetical protein
13440998	7.78	7.85	-1.05	0.627902	0.751846	MBF1B	multiprotein-bridging factor 1b
13371244	7.78	7.88	-1.08	0.728223	0.821907	UGT85A2	UDP-glucosyl transferase 85A2
13364345	7.78	8.3	-1.43	0.274941	0.550583	AT1G06760	histone H1.1
13544911	7.78	8.72	-1.92	0.337256	0.577005	AT2G07739; ycf1; ArthMp033	Ycf1 protein; ycf1; Ycf1; hypothetical protein
13521705	7.77	4.5	9.63	0.010128	0.296261	TFL1	protein TERMINAL FLOWER 1
13520980	7.77	6.39	2.59	0.063574	0.399503	AT5G01720	F-box/LRR-repeat protein 3
13458464	7.77	6.74	2.05	0.076597	0.411226	COR413-PM2	cold-regulated 413-plasma membrane 2
13503657	7.77	6.99	1.73	0.122018	0.452662	STT3A	dolichyl-diphosphooligosaccharide--protein glycosyltransferase
13511222	7.77	7.03	1.68	0.116698	0.446833	SSP4	SCP1-like small phosphatase 4
13504984	7.77	7.07	1.62	0.103711	0.436308	LCB2	serine palmitoyltransferase
13356095	7.77	7.08	1.61	0.034559	0.355201	AT1G67330	hypothetical protein
13372572	7.77	7.17	1.52	0.018803	0.321499	AT1G26270	putative phosphatidylinositol 4-kinase type 2-beta
13343008	7.77	7.22	1.46	0.202642	0.510485	AT1G21630	calcium-binding EF-hand-containing protein
13401562	7.77	7.27	1.41	0.236394	0.530573	AT2G36410	hypothetical protein
13524936	7.77	7.3	1.38	0.071931	0.408234	AT5G11770	NADH dehydrogenase (ubiquinone) Fe-S protein 7
13398949	7.77	7.35	1.34	0.471638	0.64746	TPP	thylakoidal processing peptidase 1
13492765	7.77	7.42	1.28	0.301371	0.563858	APM1	aminopeptidase M1
13497749	7.77	7.43	1.26	0.382636	0.597122	AT5G05140	Transcription elongation factor (TFIIS) family protein
13335480	7.77	7.45	1.25	0.315802	0.568464	AT1G03910	hypothetical protein
13439212	7.77	7.47	1.24	0.5285	0.685364	PUMP1	uncoupling mitochondrial protein 1
13378269	7.77	7.68	1.07	0.833443	0.894611	UBP6	ubiquitin carboxyl-terminal hydrolase 6
13383504	7.77	7.85	-1.06	0.487229	0.656578	GTB1	transcription elongation factor SPT6
13520024	7.77	7.95	-1.14	0.34292	0.579024	AT5G66070	NEP1-interacting protein-like 1
13494944	7.77	8	-1.17	0.460121	0.641292	mtHsc70-1	molecular chaperone DnaK
13380787	7.76	6.35	2.65	0.068695	0.406403	AT1G58110	basic helix-loop-helix domain-containing protein
13431958	7.76	6.67	2.14	0.08949	0.426419	AT3G22810	hypothetical protein
13447554	7.76	6.69	2.09	0.025229	0.335081	ASD1	alpha-L-arabinofuranosidase 1
13446834	7.76	6.75	2.02	0.082793	0.417856	AT3G09320	putative S-acyltransferase
13441492	7.76	6.82	1.91	0.044134	0.37388	AT3G59810	U6 snRNA-associated Sm-like protein LSm6
13378286	7.76	6.84	1.89	0.036367	0.358957	AT1G51730	ubiquitin-conjugating enzyme-like protein
13401827	7.76	6.89	1.82	0.178769	0.494636	AT2G37110	PLAC8 domain-containing protein
13430550	7.76	6.9	1.81	0.098644	0.433311	PEN2	phosphatidylinositol-3,4,5-trisphosphate 3-phosphatase

13531687	7.76	7.01	1.68	0.082704	0.417856	AT5G28060	40S ribosomal protein S24-2
13539136	7.76	7.07	1.61	0.204461	0.511362	AT5G53850	Enolase-phosphatase E1
13417147	7.76	7.13	1.55	0.082734	0.417856	AT2G35240	putative plastid developmental protein DAG
13385301	7.76	7.26	1.41	0.099815	0.434356	PDCB4	plasmodesmata callose-binding protein 4
13437887	7.76	7.27	1.41	0.266326	0.546291	AT3G51050	FG-GAP repeat-containing protein
13486851	7.76	7.26	1.41	0.145535	0.470195	EMB3006	protein embryo defective 3006
13418868	7.76	7.3	1.38	0.059301	0.39493	AT2G39210	major facilitator protein
13506305	7.76	7.39	1.29	0.385994	0.598511	NHX1	sodium/hydrogen exchanger 1
13495464	7.76	7.51	1.18	0.444982	0.632531	AT4G38810	EF-hand, calcium binding motif-containing protein
13530785	7.76	7.69	1.05	0.427575	0.621731	AT5G25265	hypothetical protein
13433540	7.76	7.94	-1.14	0.083045	0.417856	AT3G26470	RPW8 domain-containing powdery mildew resistance protein
13444768	7.76	8.59	-1.78	0.040625	0.365846	ACP1	acyl carrier protein 1
13528190	7.75	6.84	1.88	0.10866	0.440714	ARIA	ARM repeat protein interacting with ABF2
13350105	7.75	6.87	1.84	0.223427	0.524399	PAB8	poly(A) binding protein 8
13335775	7.75	6.93	1.76	0.007597	0.290374	MAC3A	Pre-mRNA-processing factor 19
13364143	7.75	6.98	1.71	0.195424	0.506402	AT1G06200	peptidase-S24/S26 domain-containing protein
13342500	7.75	7.11	1.55	0.23181	0.528276	AT1G20110	RING/FYVE/PHD zinc finger-containing protein
13359652	7.75	7.21	1.45	0.309523	0.566861	AT1G76030	V-type proton ATPase subunit B1
13456783	7.75	7.32	1.35	0.216442	0.519792	PUB13	U-box domain-containing protein 13
13366129	7.75	7.33	1.34	0.117331	0.44724	AT1G10390	Nucleoporin autopeptidase
13407757	7.75	7.38	1.3	0.163908	0.485532	AT2G04378; AT2G04380	Beta-galactosidase related protein; hypothetical protein
13400170	7.75	7.42	1.26	0.363745	0.58896	AT2G33220	NADH dehydrogenase
13377872	7.75	7.49	1.2	0.489646	0.658211	DWF5	7-dehydrocholesterol reductase
13371555	7.75	7.54	1.16	0.625069	0.74989	MMZ1	ubiquitin-conjugating enzyme E2 variant 1A
13505554	7.75	7.63	1.09	0.718009	0.814714	KNAT3	homeobox protein knotted-1-like 3
13343751	7.75	7.71	1.03	0.712566	0.81067	AT1G23190	putative phosphoglucomutase
13342060	7.75	7.98	-1.17	0.539175	0.691925	AT1G19020	hypothetical protein
13544941	7.75	8.03	-1.22	0.365521	0.589801		
13359993	7.75	8.05	-1.23	0.2514	0.53846	AT1G76880	putative trihelix DNA-binding protein
13463509	7.74	6.38	2.57	0.015013	0.313319	TIR1	protein TRANSPORT INHIBITOR RESPONSE 1
13519261	7.74	6.4	2.53	0.079043	0.414078	AT5G64500	major facilitator protein
13471139	7.74	6.6	2.2	0.088368	0.424724	AT4G20320	putative CTP synthase
13362028	7.74	6.67	2.1	0.035155	0.355472	SPPL4	signal peptide peptidase-like 4
13359499	7.74	6.91	1.78	0.141707	0.468039	XRN3	5'-3' exoribonuclease 3
13397776	7.74	7	1.67	0.195714	0.506527	LHW; CPuORF6	transcription factor-related protein; hypothetical protein
13476652	7.74	7.12	1.54	0.179034	0.494636	AT4G32640	sec24-like transport protein
13421363	7.74	7.25	1.4	0.184643	0.499237	AT2G44860; AT2G44850	large subunit ribosomal protein L24e; hypothetical protein
13541326	7.74	7.26	1.39	0.020092	0.322692	UXS3	UDP-glucuronic acid decarboxylase 3
13351793	7.74	7.35	1.31	0.283074	0.555666	SRF6	STRUBBELIG-receptor family 6
13427315	7.74	7.45	1.22	0.281095	0.554564	ALIS1; ZIP1	ALA-interacting subunit 1; zinc transporter 1
13433059	7.74	7.48	1.2	0.301587	0.563858	AT3G25290	putative auxin-responsive protein

13525604	7.74	7.5	1.19	0.418738	0.616587	AT5G13440	Ubiquinol-cytochrome C reductase iron-sulfur subunit
13381513	7.74	7.59	1.11	0.732202	0.82503	HAP13	AP-1 complex subunit mu
13430251	7.74	7.72	1.01	0.912078	0.946655	RAB7B	Ras-related protein Rab-7A
13342686	7.74	8.08	-1.27	0.137913	0.46568	HMGB3	high mobility group B3 protein
13440175	7.73	5.13	6.08	0.015017	0.313319	AT3G56360	hypothetical protein
13502737	7.73	6.64	2.12	0.057436	0.392465	AT5G17610	hypothetical protein
13337943	7.73	6.84	1.85	0.154399	0.47741	ACLA-3	ATP-citrate lyase A-3
13484948	7.73	6.9	1.78	0.172416	0.489773		
13455728	7.73	6.9	1.77	0.11456	0.445747	ATMIN7	guanine nucleotide-exchange factor
13451165	7.73	7.16	1.49	0.051788	0.382324	KRP6	cyclin-dependent kinase inhibitor 6
13468389	7.73	7.19	1.45	0.136654	0.465316	AT4G14160	sec23/sec24-like transport protein
13335698	7.73	7.44	1.22	0.148114	0.471967	AXR3	auxin-responsive protein IAA17
13344677	7.73	7.64	1.06	0.693044	0.797507	AT1G26550	peptidyl-prolyl cis-trans isomerase NIMA-interacting 4
13433294	7.73	7.98	-1.19	0.226247	0.525127	LTA2	2-oxoacid dehydrogenases acyltransferase family protein
13345832	7.73	8.21	-1.39	0.344413	0.579454	AT1G29418; AT1G29420	hypothetical protein; putative auxin-responsive protein
13545106	7.73	8.42	-1.62	0.497072	0.663358	ccb206	cytochrome c biogenesis orf206
13465697	7.73	9.04	-2.49	0.029364	0.348027	01-Apr	5'-adenylylsulfate reductase 1
13499479	7.73	9.09	-2.57	0.016668	0.316275	AAP2	amino acid permease 2
13479173	7.73	9.62	-3.69	0.025458	0.335434	AT4G38470	ACT-like protein tyrosine kinase family protein
13338733	7.72	5.56	4.47	0.055576	0.388013		
13380837	7.72	6.24	2.78	0.0112	0.297771	AT1G58235	hypothetical protein
13487005	7.72	6.34	2.6	0.072796	0.408418	RING	SBP (S-ribonuclease binding protein) family protein
13477970	7.72	6.54	2.26	0.012801	0.304248	PIRL4	plant intracellular ras group-related LRR 4
13541743	7.72	6.55	2.25	0.012066	0.301412	PIP2;4	putative aquaporin PIP2-4
13452939	7.72	6.57	2.23	0.143664	0.469269	AT3G23690	transcription factor bHLH77
13442445	7.72	6.75	1.95	0.02181	0.325596	DAG1	Dof zinc finger protein DOF3.7
13383676	7.72	6.78	1.91	0.174306	0.491389	AT1G65720	hypothetical protein
13363412	7.72	6.8	1.89	0.003595	0.253459	PRMT10	putative protein arginine N-methyltransferase 4.2
13461124	7.72	6.86	1.81	0.10568	0.437428	ACA11	Ca2+-transporting ATPase
13476770	7.72	7.13	1.51	0.153491	0.476458	AT4G32760	ENTH/VHS/GAT family protein
13526150	7.72	7.16	1.47	0.210842	0.5161	AT5G14550	Core-2/I-branching beta-1,6-N-acetylglucosaminyltransferase family protein
13429376	7.72	7.21	1.42	0.292278	0.559557	UBC32	ubiquitin-conjugating enzyme E2 32
13514182	7.72	7.39	1.26	0.385504	0.598186	AT5G52840; AT5G52850	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex 5; pentatricopeptide repeat-containing protein
13519204	7.72	7.41	1.24	0.358157	0.585682	AT5G64400	hypothetical protein
13440625	7.72	7.45	1.21	0.078151	0.413717	LPAT2	lysophosphatidyl acyltransferase 2
13504702	7.72	7.45	1.21	0.307283	0.56579	IMS2	methylthioalkylmalate synthase 3
13447744	7.72	7.59	1.09	0.507142	0.670412	AL2	alfin-like 2 protein
13377412	7.72	7.65	1.05	0.812622	0.880151	TOM6	mitochondrial import receptor subunit TOM6-like protein

13387656	7.72	7.69	1.02	0.712555	0.81067	AT1G75340	zinc finger CCCH domain-containing protein 16
13334552	7.72	8.83	-2.16	0.215613	0.519459		
13391334	7.72	8.83	-2.16	0.215613	0.519459		
13414565	7.72	8.83	-2.16	0.215613	0.519459		
13425312	7.72	8.83	-2.16	0.215613	0.519459		
13535367	7.72	8.83	-2.16	0.215613	0.519459		
13368986	7.71	6.53	2.27	0.001156	0.242634	RABA1b	Ras-related protein RABA1b
13393808	7.71	6.76	1.94	0.041866	0.368316	IRE1A	endoribonuclease/protein kinase IRE1-like protein
13455598	7.71	6.77	1.91	0.145807	0.470399	AL3	protein alfin-like 3
13448801	7.71	6.95	1.7	0.022184	0.326278	GIP1	GBF-interacting protein 1
13414736	7.71	6.96	1.68	0.016307	0.315398	UBA1	ubiquitin-activating enzyme E1 1
13410499	7.71	7.1	1.53	0.40777	0.610439	MIOX2	inositol oxygenase
13400981	7.71	7.13	1.49	0.00324	0.253459	IKU1	VQ motif-containing protein
13511783	7.71	7.17	1.46	0.096582	0.43273	AT5G47690	sister chromatid cohesion protein PDS5
13360000	7.71	7.21	1.42	0.213553	0.518061	TLP1	tubby-like F-box protein 1
13428908	7.71	7.21	1.42	0.115324	0.446247	AT3G16060	kinesin family member 2/24
13395499	7.71	7.25	1.38	0.102576	0.435845	AT2G21520	sec.4-like phosphatidylinositol transfer protein
13370219	7.71	7.47	1.19	0.309033	0.566591	AT1G19880	regulator of chromosome condensation (RCC1) family protein
13404696	7.71	7.49	1.16	0.538673	0.691653	COS1	6,7-dimethyl-8-ribityllumazine synthase
13352051	7.71	7.59	1.09	0.596954	0.731118	ICDH	isocitrate dehydrogenase
13453142	7.71	8.11	-1.32	0.217367	0.520618	GR1	glutathione reductase, cytosolic
13544989	7.71	8.51	-1.74	0.530904	0.686799		
13390755	7.7	6.59	2.16	0.000243	0.180656	PDF2.1	defensin-like protein 4
13369074	7.7	6.64	2.08	0.154219	0.47717	ILP1	IAP-like protein 1
13457466	7.7	6.73	1.95	0.0821	0.417191	BT2	BTB and TAZ domain protein 2
13539938	7.7	6.83	1.83	0.01713	0.319147	NAS2	Nicotianamine synthase 2
13385126	7.7	6.93	1.71	0.107672	0.439654	bZIP	basic leucine-zipper 8
13448873	7.7	6.95	1.68	0.187929	0.502251	PA200	proteasome activator subunit 4
13355436	7.7	6.97	1.65	0.014069	0.312248	AT1G65280	DNAJ heat shock N-terminal domain-containing protein
13470091	7.7	7.08	1.53	0.117958	0.448003	AT4G17790	SNARE associated Golgi protein
13461464	7.7	7.14	1.48	0.172441	0.489773	BS14A	Bet1-like SNARE 1-1
13375870	7.7	7.14	1.47	0.118815	0.449311	AT1G36730; CPuORF19	translation initiation factor eIF-5; conserved peptide upstream open reading frame 19
13334383	7.7	7.32	1.31	0.044272	0.374389	BPS1	protein BPS1
13389914	7.7	7.31	1.31	0.233448	0.529162	AT1G80040	hypothetical protein
13338291	7.7	7.37	1.26	0.391217	0.600674	ADL6	dynamin-2A
13339247	7.7	7.37	1.26	0.357773	0.585346	KEU	SNARE-interacting protein KEULE
13402765	7.7	7.36	1.26	0.151168	0.473698	RPL23AA	60S ribosomal protein L23a-1
13511484	7.7	7.42	1.22	0.436676	0.627716	LBA1	Regulator of nonsense transcripts 1-like protein
13521104	7.7	7.41	1.22	0.201899	0.510189	AT5G01990	auxin efflux carrier family protein
13440239	7.7	7.44	1.2	0.014632	0.313095	AT3G56590	hydroxyproline-rich glycoprotein family protein
13433827	7.7	7.48	1.16	0.537519	0.69073	GTE8	global transcription factor group E8

13507084	7.7	7.76	-1.05	0.567583	0.711044	CUE1	Glucose-6-phosphate/phosphate translocator-like protein
13518808	7.7	8.16	-1.38	0.163119	0.484829	AT5G63560	HXXXD-type acyl-transferase-like protein
13504553	7.7	8.26	-1.48	0.04683	0.377465	ADT5	arogenate dehydratase 5
13425273	7.7	8.77	-2.1	0.045852	0.376634	AT3G06895	hypothetical protein
13354990	7.69	6.16	2.9	0.020421	0.323549	UBC28	ubiquitin-conjugating enzyme E2 28
13429538	7.69	6.45	2.35	0.020961	0.32422	AT3G17410	putative serine/threonine protein kinase
13451928	7.69	6.62	2.09	0.031897	0.352653	EIN3	protein ethylene insensitive 3
13517290	7.69	6.67	2.02	0.023297	0.330182	LAC17	laccase 17
13413461	7.69	6.74	1.94	0.106786	0.439048	GRV2	DNAJ heat shock N-terminal domain-containing protein
13366400	7.69	6.79	1.86	0.079043	0.414078	TIF3H1	translation initiation factor eIF-3 subunit 3
13476455	7.69	6.87	1.76	0.033923	0.354092	AT4G32330	TPX2 (targeting protein for Xklp2) protein family
13530494	7.69	7.03	1.57	0.129462	0.459395	AT5G24710	transducin/WD40 domain-containing protein
13464079	7.69	7.09	1.52	0.07267	0.408352	AT4G00700	C2 calcium/lipid-binding and phosphoribosyltransferase C-terminal domain-containing protein
13472042	7.69	7.2	1.41	0.224458	0.524988	AT4G22310	hypothetical protein
13407408	7.69	7.21	1.39	0.269501	0.547909	AT2G03240	phosphate transporter PHO1-5
13392616	7.69	7.39	1.24	0.098345	0.433275	AT2G12905	hypothetical protein
13381485	7.69	7.39	1.23	0.04233	0.368598	ATB2	NAD(P)-linked oxidoreductase-like protein
13369906	7.69	7.39	1.23	0.30314	0.564046	AT1G19000	myb family transcription factor
13462776	7.69	7.57	1.09	0.676629	0.78573	AT3G61260	remorin-like protein
13372909	7.69	8.16	-1.38	0.114109	0.445266	TOM20-2	mitochondrial import receptor subunit TOM20-2
13506386	7.69	8.61	-1.88	0.071733	0.408234	SFP1	sugar transporter ERD6-like 17
13439324	7.68	6.51	2.24	0.10013	0.434576		
13450573	7.68	6.58	2.14	0.093185	0.429815	NPSN13	Novel plant SNARE 13
13346542	7.68	6.73	1.93	0.102672	0.435908	AT1G30910	molybdenum cofactor sulfurase-like protein
13452579	7.68	6.91	1.71	0.178421	0.494455	NRPB5	DNA-directed RNA polymerase II subunit E
13502573	7.68	6.92	1.7	0.006454	0.282486	AT5G17190	hypothetical protein
13518527	7.68	6.97	1.64	0.25	0.537401	AT5G62770	hypothetical protein
13340360	7.68	7	1.59	0.210116	0.515378	AT1G15370	SNARE-like protein
13393767	7.68	7.07	1.53	0.256926	0.541014	NTRA	NADPH-dependent thioredoxin reductase A
13443420	7.68	7.22	1.37	0.028955	0.347685	AT3G01790	large subunit ribosomal protein L13
13423978	7.68	7.36	1.25	0.425508	0.620492	AT3G03960	TCP-1/cpn60 chaperonin family protein
13466547	7.68	7.39	1.22	0.384717	0.597921	GRF1	14-3-3-like protein GF14 chi
13484767	7.68	7.42	1.2	0.2133	0.518061	OASA1	cysteine synthase
13492817	7.68	7.43	1.19	0.429296	0.622788	AT4G33150	lysine-ketoglutarate reductase/saccharopine dehydrogenase bifunctional enzyme
13541895	7.68	7.53	1.11	0.312415	0.567546	COBL5	COBRA-like protein 5
13390167	7.68	7.58	1.07	0.593905	0.729071	AT1G80610	hypothetical protein
13483219	7.68	7.63	1.03	0.799367	0.870933	AT4G11560	bromo-adjacent homology (BAH) domain-containing protein
13508398	7.68	7.74	-1.05	0.759096	0.842252	AT5G39570	hypothetical protein
13480287	7.68	7.88	-1.15	0.42675	0.621227	AT4G00810	60S acidic ribosomal protein P1-2

13452335	7.67	5.45	4.64	0.025112	0.334806	AT3G21600	Senescence/dehydration-associated protein-like protein
13470062	7.67	5.93	3.33	0.017111	0.319147	SYP23	syntaxin-23
13498568	7.67	6.25	2.67	0.009257	0.296261	AT5G06980	hypothetical protein
13481072	7.67	6.6	2.09	0.022383	0.32708	AT4G02715	hypothetical protein
13387687	7.67	6.75	1.9	0.090053	0.427018	BBD1	bifunctional nuclease in basal defense response 1
13419247	7.67	6.85	1.77	0.089998	0.427018	EIF2	translation initiation factor eIF-3 subunit 5
13542497	7.67	6.93	1.67	0.137559	0.46568	BAG7	BCL-2-associated athanogene 7
13383179	7.67	7.04	1.55	0.010339	0.296261	CP5	Polyketide cyclase/dehydrase and lipid transport-like protein
13478340	7.67	7.06	1.53	0.216775	0.519953	AT4G36210	hypothetical protein
13525019	7.67	7.07	1.51	0.190532	0.503959	AT5G11960	hypothetical protein
13514162	7.67	7.11	1.47	0.093102	0.429815	AT5G52820	Notchless protein-like protein
13394615	7.67	7.12	1.46	0.069235	0.406403	NAP1;2	nucleosome assembly protein 1;2
13355657	7.67	7.15	1.44	0.14815	0.471967	GAD2	glutamate decarboxylase 2
13531282	7.67	7.42	1.18	0.489872	0.658225	SK 11	Shaggy-related protein kinase alpha
13402143	7.67	7.51	1.12	0.618077	0.745405	AtIPCS2	inositol phosphorylceramide synthase 2
13438547	7.67	7.53	1.1	0.677644	0.786434	OEP7	outer envelope membrane protein 7
13451052	7.67	7.57	1.07	0.502517	0.666827	PMT5	Polyol transporter 5
13511862	7.67	7.58	1.06	0.311495	0.566975	GAUT4	alpha-1,4-galacturonosyltransferase
13387140	7.67	7.9	-1.17	0.293384	0.559559	ENO1	enolase 1
13396386	7.67	8.32	-1.57	0.069485	0.406403	AT2G23540	GDSL esterase/lipase
13518633	7.66	6.23	2.7	0.091885	0.429212	AT5G63030	glutaredoxin-C1
13445474	7.66	6.63	2.04	0.088767	0.425281	MEE32	Shikimate dehydrogenase
13416868	7.66	6.66	1.99	0.018107	0.319749	AIR9	Outer arm dynein light chain 1 protein
13395278	7.66	6.72	1.92	0.191932	0.505063	AT2G21045	rhodanese-like domain-containing protein
13450150	7.66	6.84	1.77	0.027785	0.343997	AT3G16310	nuclear pore complex protein Nup53
13408241	7.66	7.05	1.52	0.318479	0.569583	AT2G07360	SH3 domain-containing protein
13517828	7.66	7.06	1.51	0.29224	0.559522	SNAP33	SNAP25 homologous protein SNAP33
13364589	7.66	7.19	1.39	0.071923	0.408234	NPC1	phospholipase C
13466372	7.66	7.56	1.07	0.848502	0.904615	AT4G08520	coatomer subunit zeta-3
13497707	7.66	7.55	1.07	0.658264	0.773586	AT5G05010	coatomer subunit delta
13420066	7.65	4.63	8.13	0.056715	0.390057	AT2G41810	hypothetical protein
13388860	7.65	6.15	2.83	0.071023	0.407839	AT1G78120	tetratricopeptide repeat-containing protein
13531326	7.65	6.38	2.4	0.017644	0.319218	AGL26	protein agamous-like 26
13352681	7.65	6.82	1.78	0.05475	0.386003	AT1G55840	sec.4-like phosphatidylinositol transfer protein
13455035	7.65	7.15	1.42	0.026061	0.337071	AT3G29075	glycine-rich protein
13379439	7.65	7.15	1.41	0.170142	0.48812	AT1G54320	ALA-interacting subunit 3
13477626	7.65	7.15	1.41	0.346388	0.58045	SQS1	Squalene synthase
13363048	7.65	7.23	1.34	0.279201	0.553698	MRP5	ABC transporter C family member 5
13514266	7.65	7.23	1.33	0.101601	0.435397	AT5G53070	Ribosomal protein L9/RNase H1
13449353	7.65	7.27	1.31	0.44877	0.635118	AT3G14205	Phosphoinositide phosphatase family protein
13430263	7.65	7.29	1.28	0.273857	0.550467	AT3G18860; AT3G18870	phospholipase A-2-activating protein; Mitochondrial transcription termination factor family protein
13342826	7.65	7.4	1.19	0.453823	0.637368	AT1G21000	PLATZ transcription factor domain-containing protein
13352132	7.65	7.41	1.18	0.433025	0.625185	XRN4	5'-3' exoribonuclease 4

13442493	7.65	7.43	1.16	0.576409	0.71699	AT3G62010	hypothetical protein
13526189	7.65	7.44	1.16	0.332348	0.576298	AT5G14590	isocitrate dehydrogenase
13424927	7.65	7.44	1.15	0.094287	0.430944	AT3G06170	Serinc-domain containing serine and sphingolipid biosynthesis protein
13412273	7.65	7.6	1.04	0.716374	0.813698	AT2G24200	leucine aminopeptidase 1
13369767	7.65	7.77	-1.09	0.587328	0.725595	AT1G18540	60S ribosomal protein L6-1
13456185	7.65	7.97	-1.25	0.075545	0.410503	XTR8	xyloglucan:xyloglucosyl transferase
13511994	7.65	9.22	-2.96	0.003341	0.253459	CYP705A5	cytochrome P450 705A5
13455179	7.64	5.29	5.07	0.065113	0.401596	AT3G29410	terpene cyclase class C1 domain-containing protein
13379835	7.64	5.78	3.62	0.097318	0.433165	AT1G55450	S-adenosylmethionine-dependent methyltransferase domain-containing protein
13382084	7.64	6.26	2.61	0.129438	0.459395	AT1G61740	Sulfite exporter TauE/SafE family protein
13410681	7.64	6.41	2.34	0.124062	0.453788	AT2G20080	hypothetical protein
13492874	7.64	6.57	2.11	0.09346	0.430293	SLOMO	F-box/LRR-repeat protein 15
13543128	7.64	6.63	2	0.206933	0.513335	FCLY	prenylcysteine oxidase
13335237	7.64	6.67	1.95	0.012876	0.304248	AT1G03210	Phenazine biosynthesis PhzC/PhzF protein
13497786	7.64	6.79	1.8	0.104285	0.4366	AT5G05230	U-box domain-containing protein 62
13542012	7.64	6.81	1.78	0.136706	0.465316	PDCB1	glucan endo-1,3-beta-glucosidase-like protein 2
13528979	7.64	6.83	1.75	0.249292	0.5369	AT5G20950	Glycosyl hydrolase family protein
13475602	7.64	7.14	1.41	0.124778	0.453821	AT4G30550	class I glutamine amidotransferase domain-containing protein
13416469	7.64	7.24	1.33	0.222603	0.523826	AT2G33730	DEAD-box ATP-dependent RNA helicase 21
13374878	7.64	7.25	1.31	0.49912	0.664416	ESP3	pre-mRNA-splicing factor ATP-dependent RNA helicase DHX16
13443686	7.64	7.31	1.26	0.550947	0.700335	AT3G02530	TCP-1/cpn60 chaperonin family protein
13492506	7.64	7.31	1.26	0.492186	0.659734	AT4G32530	ATPase, F0/V0 complex, subunit C protein
13517454	7.64	7.32	1.24	0.179861	0.495466	AT5G60390; AT1G07940; AT1G07930; AT1G07920	Elongation factor 1-alpha
13461685	7.64	7.39	1.19	0.106647	0.43902	AT3G58600; AT3G58590	Adaptin ear-binding coat-associated protein 1 NECAP-1; pentatricopeptide repeat-containing protein
13453600	7.64	7.46	1.14	0.309055	0.566591	AFH1	formin-like protein 1
13543625	7.63	5.52	4.31	0.033537	0.354018	AT5G65030	hypothetical protein
13493854	7.63	5.87	3.38	0.045162	0.375052	RHA3B	RING-H2 finger protein ATL45
13347761	7.63	6.51	2.17	0.175908	0.492405	AT1G34320	hypothetical protein
13359325	7.63	6.67	1.94	0.286891	0.557153		
13336325	7.63	6.85	1.72	0.192422	0.505422	ARI5	putative E3 ubiquitin-protein ligase ARI5
13529584	7.63	6.86	1.7	0.087657	0.423636	AT5G22780	AP-2 complex subunit alpha-2
13372131	7.63	6.87	1.69	0.094253	0.430944	AT1G24510	T-complex protein 1 subunit epsilon
13542594	7.63	6.89	1.67	0.099132	0.433828	HIPL2	HIPL2 protein
13479574	7.63	6.93	1.62	0.0839	0.417946	BRI1	protein brassinosteroid insensitive 1
13516182	7.63	6.96	1.59	0.076245	0.410503	AT5G57330	glucose-6-phosphate 1-epimerase
13508120	7.63	7.05	1.5	0.262374	0.543595	AT5G38560	protein kinase family protein
13404339	7.63	7.16	1.39	0.101299	0.435012	AT-P4H-1	P4H isoform 1
13361546	7.63	7.2	1.34	0.31829	0.569566	AT1G80500	SNARE-like protein

13389138	7.63	7.21	1.34	0.423493	0.619135	AT1G78850	D-mannose binding lectin protein with Apple-like carbohydrate-binding domain
13515659	7.63	7.26	1.29	0.334706	0.576654	LLG1	LORELEI-LIKE-GPI-ANCHORED PROTEIN 1
13526443	7.63	7.3	1.26	0.215967	0.519767	AT5G15200	40S ribosomal protein S9-1
13370792	7.63	7.46	1.13	0.602343	0.733846	AT1G21190	U6 snRNA-associated Sm-like protein
13344331	7.63	7.54	1.06	0.623915	0.749085	AT1G24880; AT1G25054; AT1G25145; AT1G24793; AT1G25210	UDP-3-O-[3-hydroxymyristoyl] N-acetylglucosamine deacetylase; UDP-3-O-acyl N-acetylglycosamine deacetylase family protein
13334478	7.63	7.56	1.05	0.656443	0.772239	ATAF1	NAC domain-containing protein 2
13372925	7.63	7.56	1.05	0.279189	0.553698	AT1G27435	hypothetical protein
13466453	7.63	7.72	-1.06	0.785701	0.860877	AT4G08780	peroxidase 38
13498341	7.62	6.24	2.6	0.044932	0.374597	NUDX27	nudix hydrolase 27
13426943	7.62	6.31	2.47	0.048674	0.377942	AT3G11690	hypothetical protein
13459497	7.62	6.63	1.99	0.032481	0.353134	AT3G53540	hypothetical protein
13374699	7.62	6.69	1.91	0.124416	0.453788	AT1G31940	hypothetical protein
13509005	7.62	6.81	1.75	0.012822	0.304248	NRPB12	DNA-directed RNA Polymerase II subunit K
13423150	7.62	6.95	1.59	0.155589	0.478475	AT3G02070	cysteine proteinase-like protein
13408986	7.62	7.05	1.49	0.101506	0.435311	AT2G15240	UNC-50-like protein
13496898	7.62	7.1	1.43	0.210901	0.516199	IDH-V	Isocitrate dehydrogenase [NAD] catalytic subunit 5
13428034	7.62	7.13	1.41	0.354417	0.584307	FAB1B	1-phosphatidylinositol-4-phosphate 5-kinase
13495165	7.62	7.12	1.41	0.229158	0.52681	AT4G38350	Patched family protein
13429038	7.62	7.17	1.37	0.336561	0.576994	AT3G16270	VHS domain-containing protein
13409564	7.62	7.18	1.35	0.207292	0.513526	AT2G17190	ubiquilin
13374168	7.62	7.2	1.34	0.20533	0.512213	AT1G30580	GTP-binding protein
13528530	7.62	7.24	1.3	0.371965	0.591916	AT5G20090	hypothetical protein
13475962	7.62	7.4	1.16	0.540455	0.692587	PBA1	proteasome subunit beta type-6
13385660	7.62	7.43	1.14	0.555392	0.703077	KUP6	Potassium transporter 6
13349578	7.62	7.52	1.07	0.133246	0.462782	AT1G48440	protein B-cell receptor-associated 31-like protein
13468226	7.62	7.62	1.01	0.95954	0.976026	PRR2	pinoresinol reductase 2
13458554	7.62	7.63	-1.01	0.942797	0.965716	AT3G51100	hypothetical protein
13444666	7.62	7.81	-1.13	0.440957	0.630037	IAA16	auxin-responsive protein IAA16
13520293	7.62	7.92	-1.23	0.281239	0.554581	SDH1-1	succinate dehydrogenase [ubiquinone] flavoprotein subunit 1
13501493	7.61	5.93	3.2	0.176311	0.492667	NRT2.7	high affinity nitrate transporter 2.7
13440266	7.61	6.53	2.11	0.038489	0.364062	AT3G56680	Single-stranded nucleic acid binding R3H protein
13496733	7.61	6.62	1.99	0.130114	0.459993	LCL1	protein LHY/CCA1-like 1
13515796	7.61	6.69	1.88	0.05276	0.383043	AT5G56530	hypothetical protein
13377669	7.61	6.85	1.69	0.17419	0.491316	TOR	FKBP12-rapamycin complex-associated protein
13511824	7.61	6.9	1.64	0.015643	0.315212	AT5G47720	putative acetyl-CoA acetyltransferase, cytosolic 2
13379379	7.61	7.18	1.35	0.447767	0.634501	CID3	ctc-interacting domain 3 protein
13387357	7.61	7.17	1.35	0.231597	0.528183	IQD31	IQ-domain 31 protein

13467208	7.61	7.19	1.34	0.255199	0.540321	AT4G10840	tetratricopeptide repeat domain-containing protein
13479324	7.61	7.31	1.23	0.193835	0.505856	VHA-C3; AVA-P1; AT2G16510	V-type H+-transporting ATPase 16kDa proteolipid subunit; V-type proton ATPase proteolipid subunit c1/c3/c5
13489739	7.61	7.34	1.21	0.288896	0.557782	AT4G26130	hypothetical protein
13369546	7.61	7.56	1.03	0.817961	0.88355	E12A11; AT1G18090	protein MOTHER of FT and TF 1; 5'-3' exonuclease family protein
13511848	7.61	7.65	-1.03	0.628628	0.752495	FPS1	farnesyl diphosphate synthase 1
13530903	7.61	7.66	-1.04	0.783011	0.858983	CID6	CTC-interacting domain 6
13522207	7.61	7.67	-1.05	0.859606	0.912503	AT5G05110	cysteine proteinase inhibitor 7
13339153	7.61	7.97	-1.29	0.287344	0.557153	AT1G12200	dimethylaniline monooxygenase (N-oxide forming)
13346474	7.6	5.85	3.35	0.01249	0.301412	AT1G30760	FAD-binding and BBE domain-containing protein
13379812	7.6	5.96	3.13	0.104148	0.4366	AT1G55360	hypothetical protein
13368603	7.6	6.38	2.32	0.11343	0.444631	GOS11	Golgi SNARE 11 protein
13477414	7.6	6.56	2.05	0.057663	0.39275	FUC95A	alpha-L-fucosidase 2
13399492	7.6	6.72	1.84	0.211835	0.517247	AT2G31820	ankyrin repeats-containing protein
13458736	7.6	7.23	1.3	0.189119	0.503081	AT3G51610	hypothetical protein
13422411	7.6	7.24	1.28	0.279755	0.55391	AT2G47390	prolyl oligopeptidase-like protein
13534692	7.6	7.27	1.25	0.564717	0.709293	PAH2	phosphatidic acid phosphohydrolase 2
13425643	7.6	7.35	1.19	0.244963	0.535223	AT3G07810	RNA recognition motif-containing protein
13443897	7.6	7.42	1.13	0.498615	0.664116	AT3G03070	NADH dehydrogenase (ubiquinone) Fe-S protein 6
13468760	7.6	7.48	1.08	0.76223	0.844184	AT4G15000	60S ribosomal protein L27-3
13482892	7.6	8.45	-1.81	0.096877	0.432999	UBP10	ubiquitin carboxyl-terminal hydrolase 9
13412118	7.59	6.28	2.49	0.043854	0.373171	AT2G23770	lysin motif receptor-like kinase
13369799	7.59	6.33	2.39	0.009369	0.296261	IBS1	protein kinase domain-containing protein
13479991	7.59	6.37	2.33	0.041662	0.368024	CRCK2	calmodulin-binding receptor-like cytoplasmic kinase 2
13401863	7.59	6.64	1.93	0.13718	0.46568	ADK	adenosine kinase
13454916	7.59	6.79	1.74	0.066083	0.403288	ABCB19	ABC transporter B family member 19
13472847	7.59	6.84	1.68	0.113562	0.444631	AT4G24290	MAC/Perforin domain-containing protein
13529946	7.59	6.87	1.65	0.136332	0.465066	PDR2	putative cation-transporting ATPase
13473689	7.59	6.9	1.61	0.13746	0.46568	NAP1;1	nucleosome assembly protein 1-like 1
13543259	7.59	6.93	1.58	0.169731	0.488071	AT5G64130	cAMP-regulated phosphoprotein 19-related protein
13525088	7.59	6.97	1.54	0.115688	0.446371	AT5G12120	Ubiquitin-associated/translation elongation factor EF1B protein
13541792	7.59	7.02	1.48	0.1556	0.478475	GCN1	ABC transporter F family member 1
13360184	7.59	7.09	1.42	0.237303	0.531342	AT1G77370	glutaredoxin-C3
13393697	7.59	7.27	1.25	0.331781	0.576146	CPK6	Calcium-dependent protein kinase family protein
13439852	7.59	7.3	1.23	0.510004	0.672051	emb1624	Translation initiation factor IF6
13387269	7.59	7.3	1.22	0.325847	0.573502	AT1G74440	hypothetical protein
13490103	7.59	7.37	1.16	0.59911	0.731685	AT4G26910	dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex 2

13413656	7.59	7.49	1.07	0.75699	0.840928	TTN7	structural maintenance of chromosome 3 (chondroitin sulfate proteoglycan 6)
13517843	7.59	7.57	1.01	0.945582	0.967349	AT5G61240	leucine-rich repeat-containing protein
13367073	7.59	7.6	-1.01	0.924476	0.954462	AT1G12500	Nucleotide-sugar transporter family protein
13500415	7.59	7.71	-1.09	0.193638	0.505856	AT5G11630	hypothetical protein
13392131	7.59	7.82	-1.17	0.474524	0.648932	CAS1	cycloartenol synthase
13404847	7.59	7.86	-1.2	0.348592	0.580777	ATCS	citrate synthase 4
13478753	7.59	7.9	-1.24	0.024005	0.332187	MEE59	protein maternal effect embryo arrest 59
13449116	7.59	8.99	-2.65	0.054979	0.386868	ATBFRUCT1	beta-fructofuranosidase
13370449	7.59	9.27	-3.21	0.012538	0.301412	ERD10	dehydrin ERD10
13416771	7.58	6.56	2.03	0.201715	0.510189	UREG; AT2G34460	urease accessory protein; NAD(P)-binding Rossmann-fold-containing protein
13500795	7.58	6.62	1.95	0.099107	0.433828	EMB3011	pre-mRNA-splicing factor ATP-dependent RNA helicase PRP16
13405097	7.58	6.65	1.91	0.059399	0.39493	AT2G44830	protein kinase domain-containing protein
13518824	7.58	6.71	1.83	0.066293	0.403288	AT5G63640	ENTH/VHS/GAT family protein
13487920	7.58	6.72	1.82	0.071895	0.408234	ISU1	SufE/NifU family protein
13507516	7.58	6.78	1.74	0.086565	0.422307	AT5G36290	UPF0016 protein 3
13523425	7.58	6.99	1.51	0.254728	0.539965	PK3	serine/threonine protein kinase 3
13538287	7.58	6.98	1.51	0.163395	0.485132	AT5G51400	PLAC8 family protein
13353464	7.58	7.08	1.42	0.202955	0.510604	DL3	dynamin-2B
13470587	7.58	7.11	1.38	0.012286	0.301412	NIP1;2	aquaporin NIP1-2
13406312	7.58	7.13	1.37	0.001889	0.253459	FUM1	fumarate hydratase, class II
13405491	7.58	7.17	1.33	0.365214	0.589672	PMM	phosphomannomutase
13535811	7.58	7.22	1.28	0.300351	0.563242	AT5G45420	duplicated SANT DNA-binding domain-containing protein
13334973	7.58	7.24	1.27	0.273208	0.54985	TAF13	transcription initiation factor TFIID subunit D11
13399969	7.58	7.24	1.27	0.377716	0.594163	LUH	leunig-like protein
13446200	7.58	7.34	1.18	0.43714	0.627847	PEX13	peroxin 13
13395532	7.58	7.38	1.15	0.295983	0.561293	AT2G21580	40S ribosomal protein S25-2
13389555	7.58	7.55	1.02	0.76974	0.849872	AT1G79520	Cation efflux family protein
13539536	7.58	7.57	1.01	0.975939	0.985612	AT5G54940	Translation initiation factor SUI1 family protein
13415477	7.58	7.77	-1.14	0.390645	0.600347	GPX2; AT2G31560	glutathione peroxidase; hypothetical protein
13446483	7.58	8.3	-1.65	0.006939	0.285606	AT3G08590	Phosphoglycerate mutase, 2,3-bisphosphoglycerate-independent
13395977	7.57	6.06	2.83	0.139764	0.466308	AGL17	agamous-like MADS-box protein AGL17
13516068	7.57	6.14	2.69	0.104788	0.437078	AT5G57130	Clp amino terminal domain-containing protein
13415302	7.57	6.44	2.18	0.00128	0.242634	MYB14	myb domain protein 14
13342380	7.57	6.62	1.93	0.141068	0.467605	MP	auxin response factor 5
13438477	7.57	6.72	1.8	0.137543	0.46568	AT3G52250	duplicated SANT DNA-binding domain-containing protein
13448670	7.57	6.74	1.78	0.133409	0.462988	AT3G13040	myb-like HTH transcriptional regulator family protein
13458709	7.57	6.95	1.54	0.012411	0.301412	FER	receptor-like protein kinase FERONIA
13537235	7.57	6.96	1.53	0.087879	0.423797	HCT	hydroxycinnamoyl-CoA shikimate/quinate hydroxycinnamoyl transferase
13440414	7.57	6.99	1.5	0.319641	0.570449	BIGYIN	protein BIGYIN1

13439776	7.57	7.01	1.47	0.373804	0.592616	AT3G55470	calcium-dependent lipid-binding domain-containing protein
13460785	7.57	7.02	1.47	0.093639	0.430403	AT3G56460	GroES-like zinc-binding alcohol dehydrogenase-like protein
13393958	7.57	7.03	1.44	0.225337	0.524988	VPS35A	protein VPS35A
13420450	7.57	7.07	1.42	0.163742	0.485452	GRF9	14-3-3-like protein GF14 mu
13441945	7.57	7.12	1.37	0.302439	0.563939	AT3G60860	SEC7-like guanine nucleotide exchange family protein
13461657	7.57	7.15	1.34	0.171744	0.489379	AT3G58560	carbon catabolite repressor protein 4-like 1
13545579	7.57	7.2	1.3	0.216173	0.519792	CID7	CTC-interacting domain 7 protein
13441019	7.57	7.23	1.27	0.343082	0.579024	WRKY69; AT3G58720	putative WRKY transcription factor 69; RING/U-box domain-containing protein
13426828	7.57	7.3	1.21	0.089913	0.427018	EIF3G1	translation initiation factor eIF-3 subunit 4
13347609	7.57	7.39	1.14	0.639131	0.759722	UPF3	Smg-4/UPF3-like protein
13534253	7.57	7.44	1.09	0.660669	0.775264	AT5G41560	DET1- and DDB1-associated protein 1
13339631	7.57	7.55	1.01	0.969737	0.982226	HRS1	myb-like transcription factor family protein
13497120	7.57	7.59	-1.02	0.919808	0.951465	AT5G03660	hypothetical protein
13387062	7.57	7.79	-1.17	0.111502	0.443023	AT1G73940	hypothetical protein
13413362	7.57	8.12	-1.46	0.19299	0.505638	AT2G26690	nitrate transporter 1.4
13414140	7.56	6.36	2.29	0.003938	0.262292	AT2G28450	zinc finger CCCH domain-containing protein 24
13492619	7.56	6.53	2.04	0.099466	0.434185	HB-8	homeobox-leucine zipper protein ATHB-8
13368030	7.56	6.61	1.94	0.218192	0.520726	AT1G14740	OBERON 3 protein
13525541	7.56	6.65	1.87	0.14964	0.472509	SFC	ADP-ribosylation factor GTPase-activating protein AGD3
13467748	7.56	6.73	1.78	0.176003	0.49248	AT4G12230	esterase/lipase/thioesterase family protein
13498370	7.56	6.76	1.74	0.139226	0.466238	AT5G06360	Ribosomal protein S8e family protein
13491895	7.56	6.78	1.72	0.169583	0.48788	AT4G31170	protein kinase family protein
13380780	7.56	6.84	1.65	0.020741	0.324125	AT1G58100	transcription factor TCP8
13336246	7.56	6.89	1.59	0.226977	0.52549	AT1G05805	transcription factor bHLH128
13389391	7.56	6.89	1.59	0.13905	0.466075	AT1G79210	proteasome subunit alpha type-2-B
13408061	7.56	6.95	1.53	0.211043	0.516304	AT2G05920	Subtilase-like protein
13503961	7.56	6.96	1.51	0.15627	0.478998	TIP1	S-acyltransferase TIP1
13485286	7.56	6.97	1.5	0.083675	0.417946	AT4G16180	hypothetical protein
13397910	7.56	7.16	1.32	0.204935	0.51181	AT2G27720	60S acidic ribosomal protein P2-1
13343508	7.56	7.25	1.24	0.419563	0.617082	GI	gigantea protein (GI)
13492299	7.56	7.27	1.23	0.089464	0.426412	AT4G32130	hypothetical protein
13366965	7.56	7.33	1.18	0.173769	0.490884	AT1G12120	hypothetical protein
13360756	7.56	7.45	1.08	0.593289	0.728748	GGH3	gamma-glutamyl hydrolase 3
13381535	7.56	7.59	-1.02	0.267767	0.546492	NIK3	NSP-interacting kinase 3
13486110	7.56	7.58	-1.02	0.949807	0.970072	RAB1C	RAB GTPase homolog 1C
13440293	7.56	7.77	-1.16	0.290642	0.5586	AT3G56740	Ubiquitin-associated (UBA) protein
13381231	7.55	6.24	2.49	0.020807	0.324125	TPS10	putative alpha,alpha-trehalose-phosphate synthase [UDP-forming] 10
13368393	7.55	6.51	2.06	0.092851	0.429737	AT1G15350	hypothetical protein
13529718	7.55	6.59	1.96	0.011381	0.297771	CDF1	hypothetical protein
13374992	7.55	6.59	1.95	0.112505	0.443735	CID11	CTC-interacting domain 11 protein
13523038	7.55	6.63	1.9	0.095497	0.431665	BAG3	BCL-2-associated athanogene 3
13528396	7.55	6.65	1.86	0.140725	0.467329	emb2734	armadillo/beta-catenin-like repeat-containing protein

13459128	7.55	6.8	1.68	0.124101	0.453788	UEV1D-4	ubiquitin-conjugating enzyme E2 variant 1D
13525126	7.55	6.82	1.66	0.061521	0.398106	PYD2	pyrimidine 2
13543853	7.55	6.92	1.54	0.003164	0.253459	AT5G65580	hypothetical protein
13543369	7.55	6.95	1.51	0.065512	0.402176	OPT4	oligopeptide transporter 4
13406517	7.55	7.03	1.44	0.196462	0.507314	SCC3; SWA1	cohesin complex subunit SA-1/2; transducin family protein / WD-40 repeat family protein
13450674	7.55	7.16	1.31	0.079835	0.414251	AT3G17770	Dihydroxyacetone kinase
13479377	7.55	7.43	1.09	0.449604	0.635309	AT4G39050	Kinesin motor family protein
13397328	7.55	7.46	1.06	0.679905	0.78813	AT2G26230	urate oxidase
13366064	7.55	7.48	1.05	0.591609	0.727798	WLIM1	transcription factor lim1
13341782	7.55	7.49	1.04	0.8776	0.924738	MAML-4	2-isopropylmalate synthase
13344317	7.55	7.51	1.03	0.592941	0.72867	AT1G25145; AT1G24793; AT1G25210; AT1G25054; AT1G24880	UDP-3-O-acyl N-acetylglycosamine deacetylase family protein; UDP-3-O-[3-hydroxymyristoyl] N-acetylglucosamine deacetylase
13485926	7.55	7.51	1.03	0.865994	0.916477	RABB1C	RAB GTPase homolog B1C
13344383	7.55	7.53	1.01	0.896243	0.936168	AT1G25145; AT1G24793; AT1G25054; AT1G25210; AT1G24880	UDP-3-O-acyl N-acetylglycosamine deacetylase family protein; UDP-3-O-[3-hydroxymyristoyl] N-acetylglucosamine deacetylase
13509301	7.55	7.53	1.01	0.948466	0.969198	AT5G41770	putative crooked neck protein / cell cycle protein
13360299	7.54	5.15	5.24	0.0428	0.369883	AT1G77640	ethylene-responsive transcription factor ERF013
13453217	7.54	5.3	4.74	0.040645	0.365846	MYB305	myb domain protein 305
13427824	7.54	5.95	3.01	0.005007	0.268506	AT3G13760	cysteine/histidine-rich C1 domain-containing protein
13436188	7.54	6.4	2.2	0.111693	0.443131	AT3G46600	scarecrow-like protein 30
13514381	7.54	6.57	1.96	0.008342	0.293015	AT5G53310; AT5G53320	myosin heavy chain-related protein; putative inactive receptor kinase
13360309	7.54	6.7	1.78	0.151296	0.473698	AT1G77710	ubiquitin-fold modifier 1
13487683	7.54	6.77	1.71	0.131066	0.460967	NRPB2	DNA-directed RNA polymerase II subunit RPB2
13449243	7.54	6.87	1.59	0.181496	0.49681	RSH2	RelA-SpoT like protein RSH2
13476350	7.54	6.94	1.52	0.21008	0.515364	AT4G32060	EF-hand, calcium binding motif-containing protein
13395778	7.54	6.94	1.51	0.330578	0.575731	AT2G22125	cellulose synthase-interactive protein 1
13508964	7.54	6.94	1.51	0.166789	0.486825	AT5G40910	TIR-NBS-LRR class disease resistance protein
13406207	7.54	6.98	1.47	0.415533	0.614665	AT2G47380	putative cytochrome c oxidase subunit 5C-1
13485992	7.54	7.05	1.4	0.404139	0.608529	G2484-1	G2484-1 protein
13445933	7.54	7.11	1.34	0.035566	0.356207	AT3G07090	PPPDE putative thiol peptidase family protein
13344238	7.54	7.2	1.27	0.310008	0.566973	AT1G24560	hypothetical protein
13377914	7.54	7.29	1.19	0.435349	0.626597	HIT1	heat intolerant 1 protein
13374363	7.54	7.45	1.06	0.740867	0.829696	KUP10	K+ uptake permease 10
13383795	7.53	6.33	2.29	0.116378	0.446833	AT1G65985	hypothetical protein
13432432	7.53	6.37	2.23	0.093804	0.430403	HGL1	heteroglycan glucosidase 1

13386142	7.53	6.6	1.9	0.016651	0.316275	AT1G71730	Gcn5-interacting protein
13384872	7.53	6.77	1.7	0.128072	0.45805	AT1G68300; ENDO 2	universal stress protein domain-containing protein; endonuclease 2
13457862	7.53	6.78	1.69	0.167605	0.48688	AT3G49490	hypothetical protein
13409589	7.53	6.81	1.64	0.2139	0.518299	AT2G17220	protein kinase domain-containing protein
13359723	7.53	6.9	1.55	0.025322	0.335396	AT1G76185	hypothetical protein
13357743	7.53	7.01	1.44	0.262258	0.543595	EBS1	UDP-glucose:glycoprotein glucosyltransferase
13385836	7.53	7	1.44	0.32363	0.572669	AT1G70770	hypothetical protein
13389812	7.53	7.06	1.38	0.342786	0.579024	GC5	golgin candidate 5
13509919	7.53	7.29	1.18	0.203909	0.511039	AT5G43100	aspartyl protease family protein
13415972	7.53	7.34	1.14	0.55533	0.703052	CB5-B	putative cytochrome b5 isoform 2
13503897	7.53	7.44	1.07	0.829787	0.891848	AT5G20190	tetratricopeptide repeat domain-containing protein
13395749	7.53	7.78	-1.19	0.040279	0.365591	AT2G22080	hypothetical protein
13496715	7.53	7.89	-1.28	0.244084	0.534773	GSTL3	Glutathione S-transferase family protein
13543930	7.53	8.05	-1.44	0.184402	0.498967	AT5G65810	hypothetical protein
13343245	7.53	8.06	-1.45	0.23834	0.532151	AT1G22065	hypothetical protein
13479012	7.53	8.1	-1.49	0.02925	0.348027	AT4G38080	hydroxyproline-rich glycoprotein family protein
13545631	7.53	8.27	-1.68	0.231764	0.528276	AT4G19270; AT3G50250	hypothetical protein
13392229	7.53	8.35	-1.77	0.697499	0.800828		
13544898	7.53	8.35	-1.77	0.449895	0.635429		
13545092	7.53	8.35	-1.77	0.449895	0.635429		
13508513	7.52	4.26	9.57	0.042768	0.369817	AT5G39890	hypothetical protein
13517464	7.52	6.39	2.19	0.098545	0.433275	SIZ1	E3 SUMO-protein ligase SIZ1
13409869	7.52	6.45	2.1	0.144962	0.470007	AT2G17930	transformation/transcription domain-associated protein
13537150	7.52	6.61	1.87	0.064378	0.400947	AT5G48760	60S ribosomal protein L13a-4
13472050	7.52	6.69	1.78	0.112094	0.443327	ATCES1	dihydroceramidase
13511623	7.52	6.75	1.71	0.182221	0.497223	AT5G47310	PPPDE putative thiol peptidase family protein
13467151	7.52	6.77	1.67	0.00721	0.288531	CID12	CTC-interacting domain 12 protein
13454138	7.52	6.82	1.62	0.068061	0.406286	AT3G26935	putative S-acyltransferase
13339447	7.52	6.98	1.45	0.10016	0.434576	DET3	V-type proton ATPase subunit C
13407952	7.52	7.06	1.38	0.402567	0.607175	AT2G05220	40S ribosomal protein S17-2
13353022	7.52	7.07	1.36	0.28302	0.555666	AT1G56700	Peptidase C15, pyroglutamyl peptidase I-like protein
13369752	7.52	7.07	1.36	0.246474	0.535608	AT1G18470	Transmembrane Fragile-X-F-associated protein
13491723	7.52	7.09	1.35	0.219149	0.521299	AT4G30790	hypothetical protein
13401398	7.52	7.11	1.33	0.167825	0.487049	AT2G36130	peptidyl-prolyl cis-trans isomerase-like 1
13445619	7.52	7.18	1.27	0.457502	0.639482	GALK	Galactokinase
13386255	7.52	7.32	1.15	0.600807	0.732788	AT1G72160	patellin-3
13408314	7.52	7.34	1.13	0.307597	0.565925	AT2G07774	hypothetical protein
13343387	7.52	7.36	1.12	0.544746	0.695514	AT1G22440	alcohol dehydrogenase-like 2
13437425	7.52	7.57	-1.04	0.504411	0.66833	SRp34a	putative Pre-mRNA splicing factor SF2
13526218	7.52	8.26	-1.68	0.070207	0.406528	SK13	Shaggy-related protein kinase epsilon
13402832	7.51	6.23	2.42	0.008637	0.293015	BIK1	serine/threonine-protein kinase BIK1

13438844	7.51	6.38	2.19	0.02035	0.322788	AT3G53190	putative pectate lyase 12
13401879	7.51	6.46	2.08	0.035659	0.356207	PDR5	ABC transporter G family member 33
13446589	7.51	6.92	1.5	0.204085	0.511039	RAPTOR1	regulatory associated protein of mTOR
13483188	7.51	6.93	1.49	0.220503	0.521956	EIF3A	translation initiation factor eIF-3 subunit 10
13409999	7.51	6.94	1.48	0.029151	0.348027	PPa2	soluble inorganic pyrophosphatase 2
13406082	7.51	6.96	1.45	0.241979	0.533763	AT2G47210	DNA methyltransferase 1-associated protein 1
13408768	7.51	7.01	1.41	0.09875	0.433573	DRP3B	dynamin-related protein 3B
13507436	7.51	7.03	1.4	0.1691	0.487604	YAK1	YAK1-like protein 1
13390773	7.51	7.05	1.37	0.213496	0.518061	TOM3	tobamovirus multiplication protein 3
13367931	7.51	7.18	1.26	0.461665	0.642455	TWN2	Valyl-tRNA synthetase
13389698	7.51	7.29	1.16	0.160302	0.482897	RAD23B	putative DNA repair protein RAD23-1
13520491	7.51	7.31	1.14	0.523852	0.681693	HOS15	WD-40 repeat family protein
13444826	7.51	7.42	1.07	0.59824	0.731428	AT3G05060	putative nucleolar protein 5-2
13361750	7.51	7.43	1.06	0.323732	0.572692	AT1G80910	hypothetical protein
13479689	7.51	8.21	-1.62	0.099708	0.434356	AT4G39730	Lipase/lipooxygenase, PLAT/LH2 family protein
13408329	7.51	8.21	-1.63	0.34113	0.578528	AT2G07599; AT2G07696; rps7; AT2G07785	hypothetical protein; ribosomal protein S7; NADH dehydrogenase I subunit 1
13475591	7.51	8.52	-2.02	0.13302	0.462568	AT4G30530	class I glutamine amidotransferase domain-containing protein
13514973	7.5	6.37	2.19	0.048646	0.377894	AT5G54540	hypothetical protein
13393409	7.5	6.46	2.07	0.088717	0.42521	ADF5	actin depolymerizing factor 5
13504046	7.5	6.56	1.92	0.140777	0.467364	AT5G20660	vacuolar protein / peptidase dimerization domain-containing protein
13456263	7.5	6.58	1.89	0.242382	0.534004	AT3G45190	SIT4 phosphatase-associated family protein
13372763	7.5	6.61	1.86	0.004528	0.262377	RNS3	ribonuclease 3
13540230	7.5	6.62	1.83	0.101166	0.434782	AT5G56900	zinc finger CCCH domain-containing protein 64
13496754	7.5	6.66	1.79	0.081006	0.41589	UPL4	E3 ubiquitin-protein ligase UPL4
13412955	7.5	6.87	1.54	0.172263	0.489773	AT2G25760	casein kinase I-like protein
13494279	7.5	6.88	1.54	0.102505	0.435736	ROT3; AT4G36370	3-epi-6-deoxocathasterone 23-monooxygenase; hypothetical protein
13427196	7.5	6.92	1.49	0.124554	0.453788	AT3G12290	amino acid dehydrogenase family protein
13362109	7.5	6.98	1.42	0.213917	0.518299	PEX11C	peroxisomal membrane protein 11C
13419458	7.5	7	1.41	0.069224	0.406403	AT2G40600	appr-1-p processing enzyme family protein
13472654	7.5	7.02	1.39	0.207532	0.513566	ARF9	auxin response factor 9
13341989	7.5	7.1	1.32	0.004639	0.262585	WRKY61	putative WRKY transcription factor 61
13358047	7.5	7.16	1.26	0.363142	0.588585	PTP1	tyrosine phosphatase 1
13379016	7.5	7.17	1.26	0.063278	0.399267	TLP7	Tubby-like F-box protein 7
13343619	7.5	7.19	1.24	0.170963	0.489004	AT1G22910	RNA recognition motif-containing protein
13463041	7.5	7.27	1.18	0.373302	0.592428	AT3G61960	protein kinase family protein
13517836	7.5	7.31	1.14	0.002474	0.253459	AT5G61230; CPuORF15	ankyrin repeat-containing protein; conserved peptide upstream open reading frame 15
13491875	7.5	7.39	1.08	0.786852	0.861873	AT4G31130	hypothetical protein
13435560	7.5	7.52	-1.02	0.745246	0.832703	HDA3	histone deacetylase HDT1
13433013	7.5	7.55	-1.04	0.862141	0.91411	FKBP15-1	FK506-binding protein 2-1
13338716	7.49	5.71	3.42	0.013621	0.30942		
13388913	7.49	5.78	3.28	0.099445	0.434185	AT1G78290	serine/threonine-protein kinase SRK2C

13385669	7.49	6	2.8	0.073737	0.410046	SPDS2	Spermidine synthase 2
13395832	7.49	6.46	2.03	0.079659	0.414219	SR1	calmodulin-binding transcription activator 3
13425173	7.49	6.52	1.96	0.044603	0.374597	IMPA-1	Importin subunit alpha-1
13541627	7.49	6.66	1.78	0.088279	0.424663	AT5G60160	aspartyl aminopeptidase
13510660	7.49	6.67	1.77	0.258434	0.541251	AT5G44920; ARAD2	Toll-Interleukin-Resistance domain-containing protein; Exostosin family protein
13410103	7.49	6.73	1.69	0.043671	0.372891	emb2444	splicing factor 3B subunit 4
13423456	7.49	6.87	1.54	0.244004	0.534763		
13493656	7.49	6.9	1.5	0.25351	0.539332	APX3	L-ascorbate peroxidase
13370118	7.49	7.01	1.39	0.3279	0.574416	AT1G19660	putative wound-responsive protein
13381122	7.49	7.06	1.34	0.33366	0.576298	AT1G59910	formin-like protein 7
13334537	7.49	7.08	1.33	0.26639	0.546291	AT1G01800	Rossmann-fold NAD(P)-binding domain-containing protein
13396874	7.49	7.11	1.3	0.371824	0.591916	PKL	CHD3-type chromatin-remodeling factor PICKLE
13432181	7.49	7.12	1.3	0.178541	0.494539	AT3G23300	putative methyltransferase PMT1
13343040	7.49	7.3	1.14	0.500758	0.665461	AT1G21660	auxilin-like protein
13451694	7.49	7.3	1.14	0.184246	0.498845	ERF7	ethylene-responsive transcription factor 7
13400422	7.49	7.32	1.12	0.668279	0.779649	AT2G33840	tyrosyl-tRNA synthetase
13507230	7.49	7.35	1.1	0.428405	0.622337	CAC2	biotin carboxylase
13395078	7.49	7.45	1.03	0.816096	0.882357	RPN1A	26S proteasome regulatory subunit N1
13344402	7.49	7.61	-1.08	0.600606	0.732698	AT1G25210; AT1G25145; AT1G25054; AT1G24793; AT1G24880	UDP-3-O-[3-hydroxymyristoyl] N-acetylglucosamine deacetylase; UDP-3-O-acyl N-acetylglycosamine deacetylase family protein
13417117	7.49	7.69	-1.15	0.452131	0.636608	AT2G35120	glycine cleavage system H protein
13347559	7.49	7.89	-1.32	0.353307	0.583612	AT1G33800	hypothetical protein
13531676	7.49	8.04	-1.46	0.173025	0.490366	AT5G28050	cytidine/deoxycytidylate deaminase-like protein
13545108	7.49	8.4	-1.88	0.557087	0.703975	ArthMp012	hypothetical protein
13455514	7.49	10.18	-6.43	0.194814	0.505856	AT3G41762	hypothetical protein
13402808	7.48	5.61	3.66	0.036759	0.359764	AT2G39570	ACT domain-containing protein
13386385	7.48	6.4	2.11	0.03116	0.351447	AT1G72430	SAUR-like auxin-responsive protein family
13394663	7.48	6.5	1.98	0.116675	0.446833	AT2G19540	transducin-like protein
13413019	7.48	6.58	1.86	0.097188	0.433165	AT2G25910	3'-5' exonuclease and KH-I domain-containing protein
13494491	7.48	6.77	1.64	0.086444	0.422075	BEH2	BES1/BZR1-like protein 2
13389146	7.48	6.85	1.55	0.228087	0.526027	AT1G78880; CPuORF56	Ubiquitin-specific protease family C19-related protein; conserved peptide upstream open reading frame 56
13387439	7.48	6.86	1.54	0.213087	0.518061	AT1G74910	ADP-glucose pyrophosphorylase-like protein
13533850	7.48	6.97	1.42	0.302724	0.563999	AT5G40340	PWWP domain-containing protein
13413825	7.48	6.99	1.41	0.083973	0.417946	PGY1	60S ribosomal protein L10a-2
13365339	7.48	7	1.4	0.158783	0.481364	VAP27-2	vamp/synaptobrevin-associated protein 27-2
13424710	7.48	6.99	1.4	0.10292	0.435908	AT3G05545	RING/U-box domain-containing protein
13398247	7.48	7.01	1.38	0.105676	0.437428	ARF10	auxin response factor 10
13426895	7.48	7.01	1.38	0.15808	0.480597	AT3G11560	LETM1-like protein

13489642	7.48	7.1	1.3	0.27761	0.552264	AT4G25870	Core-2/I-branching beta-1,6-N-acetylglucosaminyltransferase family protein
13341326	7.48	7.16	1.25	0.405374	0.609069	AT1G17340	Phosphoinositide phosphatase family protein
13443480	7.48	7.25	1.17	0.389447	0.599761	WRKY45	WRKY DNA-binding protein 45
13509217	7.48	7.27	1.16	0.307786	0.565976	BTI3	reticulon-like protein B4
13524972	7.48	7.27	1.15	0.406576	0.609612	AT5G11850	sterile alpha motif and leucine zipper containing kinase AZK
13381199	7.48	7.33	1.11	0.423004	0.618803	AT1G60070	AP-1 complex subunit gamma-2
13344144	7.48	7.38	1.07	0.72506	0.819859	AT1G24360	3-oxoacyl-[acyl-carrier-protein] reductase
13357502	7.48	7.39	1.07	0.440556	0.629916	AT1G70620	cyclin-related protein
13420758	7.48	7.53	-1.04	0.691335	0.796141	BIO2	biotin synthase
13408302	7.48	7.68	-1.15	0.671495	0.782049	ArthMp093	hypothetical protein
13434068	7.48	7.88	-1.32	0.238274	0.532151	MDAR4	monodehydroascorbate reductase (NADH)
13414556	7.48	8.07	-1.51	0.246147	0.535608	GSTU1	glutathione S-transferase
13478231	7.47	5.76	3.27	0.021808	0.325596	AT4G35930	F-box protein
13367743	7.47	6.1	2.59	0.03142	0.351992	AT1G14210	Ribonuclease T2 family protein
13466021	7.47	6.21	2.39	0.036732	0.359764	DDB1A	DNA damage-binding protein 1a
13422504	7.47	6.5	1.95	0.026955	0.340162	AT2G47710	adenine nucleotide alpha hydrolases-like protein
13474847	7.47	6.69	1.72	0.097822	0.433275	XIH	Myosin family protein with Dil domain
13519970	7.47	6.88	1.51	0.085694	0.420651	AT5G65960	GTP binding protein
13374846	7.47	6.89	1.5	0.052664	0.382994	TOM2A	tobamovirus multiplication 2A protein
13465302	7.47	6.9	1.49	0.224871	0.524988	AT4G03260	Outer arm dynein light chain 1 protein
13479049	7.47	6.96	1.43	0.048868	0.377942	AT4G38220	Peptidase M20/M25/M40 family protein
13491270	7.47	6.96	1.42	0.327774	0.574416	ACA10	Ca2+-transporting ATPase
13346413	7.47	7.02	1.36	0.11599	0.446616	WRKY14	putative WRKY transcription factor 14
13364413	7.47	7.06	1.33	0.111025	0.442475	AT1G06890	nodulin MtN21 /EamA-like transporter protein
13512772	7.47	7.06	1.33	0.410549	0.611816	AT5G49760	leucine-rich repeat protein kinase-like protein
13363114	7.47	7.11	1.28	0.428316	0.622302	AT1G04280	protein H1flk
13543633	7.47	7.12	1.27	0.251325	0.538459	ACX2	acyl-coenzyme A oxidase 2
13427582	7.47	7.19	1.21	0.166748	0.486825	CAX2	vacuolar cation/proton exchanger 2
13539638	7.47	7.21	1.2	0.107094	0.439338	AT5G55290	ATPase, V0 complex, subunit E
13536603	7.47	7.24	1.17	0.364529	0.589408	AT5G47570	hypothetical protein
13418084	7.47	7.25	1.16	0.245202	0.535223	RPS5B	40S ribosomal protein S5-1
13463965	7.47	7.3	1.12	0.599289	0.731685	AT4G00440	hypothetical protein
13523309	7.47	7.3	1.12	0.691356	0.796141	DGK1	diacylglycerol kinase1
13344846	7.47	7.34	1.1	0.411419	0.612607	CUL3	cullin 3
13535277	7.47	7.42	1.03	0.722099	0.81761	CBP20	nuclear cap-binding protein subunit 2
13544978	7.47	8.33	-1.81	0.101821	0.435397	rps14	30S ribosomal protein S14
13511998	7.47	9.62	-4.42	0.004603	0.262483	THAS1	thalianol synthase 1
13396083	7.46	5.6	3.63	0.005872	0.279573	PSK2	phytosulfokine-beta
13528930	7.46	6.2	2.4	0.021432	0.325381	AT5G20885	RING/U-box domain-containing protein
13375247	7.46	6.47	1.98	0.204487	0.511362	AT1G33700	Beta-glucosidase, GBA2 type protein
13518997	7.46	6.73	1.66	0.120191	0.451527	AT5G63940	Protein kinase protein with adenine nucleotide alpha hydrolases-like domain
13407367	7.46	6.76	1.62	0.144469	0.469521	AT2G02970	GDA1/CD39 nucleoside phosphatase-like protein

13451098	7.46	6.87	1.5	0.146883	0.470962	VRN1	B3 domain-containing transcription factor VRN1
13385414	7.46	7.02	1.36	0.348825	0.58093	SBH1	sphingoid base hydroxylase 1
13350341	7.46	7.11	1.27	0.147909	0.471913	AT1G50370	phytochrome-associated serine/threonine protein phosphatase 1
13359709	7.46	7.13	1.25	0.454727	0.6381	AT1G76140	prolyl oligopeptidase-like protein
13377193	7.46	7.2	1.2	0.19294	0.505638	AMSH1	AMSH-like ubiquitin thiolesterase 1
13504963	7.46	7.23	1.17	0.233768	0.529356	AT5G23575	transmembrane CLPTM1 family protein
13360089	7.46	7.27	1.14	0.551783	0.700797	VPS45	vacuolar protein sorting-associated protein 45-like protein
13536126	7.46	7.28	1.13	0.491042	0.659096	CUL4	cullin4
13421990	7.46	7.63	-1.13	0.050107	0.380098	AT2G46390	hypothetical protein
13544997	7.46	7.96	-1.41	0.541407	0.69317		
13484278	7.46	7.96	-1.42	0.218439	0.52078	SBP1	putative selenium-binding protein
13472026	7.45	5.61	3.58	0.14851	0.471967	AT4G22230	defensin-like protein 96
13466197	7.45	6.16	2.45	0.044741	0.374597	AT4G07950	DNA-directed RNA polymerase, subunit M
13464084	7.45	6.23	2.32	0.121634	0.452564	BSK3	BR-signaling kinase 3
13462310	7.45	6.3	2.21	0.077671	0.412995	SPL12	squamosa promoter-binding-like protein 12
13399994	7.45	6.4	2.07	0.13495	0.463502	KRP4	cyclin-dependent kinase inhibitor 4
13368669	7.45	6.46	1.99	0.037306	0.360697	AT1G16170	hypothetical protein
13430027	7.45	6.54	1.88	0.029277	0.348027	BTS	zinc finger protein-like protein
13385779	7.45	6.61	1.79	0.214955	0.519459	CRK3	cysteine-rich receptor-like protein kinase 3
13525098	7.45	6.67	1.71	0.038264	0.363017	AT5G12150	Rho GTPase activation protein (RhoGAP) with PH domain
13496885	7.45	6.7	1.69	0.115952	0.446616	EIN2	ethylene-insensitive protein 2
13506465	7.45	6.79	1.58	0.188964	0.502853	AT5G27470	seryl-tRNA synthetase
13380262	7.45	6.93	1.43	0.00716	0.287967	AT1G56140	Leucine-rich repeat transmembrane protein kinase
13527137	7.45	6.97	1.39	0.197322	0.507694	SYP21	syntaxin-21
13447981	7.45	7.05	1.32	0.401753	0.60689	ATFP8	Ras-related protein RABD1
13533394	7.45	7.05	1.32	0.136592	0.465256	AT5G38830	cysteinyl-tRNA synthetase
13437763	7.45	7.1	1.27	0.288426	0.557599	AT3G50590	transducin/WD40 domain-containing protein
13536732	7.45	7.12	1.26	0.447566	0.634343	AT5G47930	40S ribosomal protein S27-3
13338902	7.45	7.13	1.24	0.271883	0.548926	AT1G11660	heat shock protein 70 (Hsp 70) family protein
13490308	7.45	7.29	1.12	0.679849	0.788117	PHOS34	universal stress protein (USP) family pr
13399719	7.45	7.31	1.1	0.655551	0.77159	CCT1	phosphorylcholine cytidylyltransferase
13499092	7.45	7.33	1.09	0.826913	0.889896	SYP132	syntaxin-132
13340339	7.45	7.39	1.04	0.901271	0.939497	AT1G15280	CASC3/Barentsz eIF4AIII binding protein
13526391	7.45	7.61	-1.12	0.243923	0.534763	VDAC3	mitochondrial outer membrane protein porin 2
13512821	7.45	7.71	-1.19	0.521201	0.679824	MMT	methionine S-methyltransferase
13528865	7.44	5.34	4.28	0.04715	0.377622	SUS1	sucrose synthase 1
13472446	7.44	5.78	3.16	0.012223	0.301412	WRKY29	putative WRKY transcription factor 29
13401992	7.44	6.02	2.67	0.01264	0.302584	AT2G37480; CPuORF52	hypothetical protein
13346462	7.44	6.06	2.61	0.028723	0.347331	AT1G30720	FAD-binding and BBE domain-containing protein
13433713	7.44	6.46	1.97	0.091023	0.427987	AFB2	protein auxin SIGNALING F-BOX 2

13494765	7.44	6.49	1.93	0.103032	0.435908	SRFR1	suppressor of RPS4-RLD 1 / tetratricopeptide repeat domain-containing protein
13420788	7.44	6.51	1.91	0.032649	0.353251	AT2G43420	3beta-hydroxysteroid-dehydrogenase/decarboxylase isoform 3
13476016	7.44	6.57	1.82	0.030041	0.350098	AT4G31351	hypothetical protein
13486587	7.44	6.71	1.66	0.163544	0.485314	CIPK12	CBL-interacting serine/threonine-protein kinase 12
13521095	7.44	6.71	1.65	0.10748	0.4394	AT5G01970; AT5G01960	hypothetical protein; RING/U-box domain-containing protein
13406572	7.44	6.77	1.59	0.019406	0.321499	AT2G48100	exonuclease-like protein
13431977	7.44	6.8	1.55	0.298631	0.562461	AT3G22850	aluminum induced protein with YGL and LRDR motif
13347393	7.44	6.83	1.52	0.000062	0.14124	AT1G33265	Transmembrane proteins 14C
13361276	7.44	6.85	1.51	0.03241	0.353134	ATERDJ2A	translocation protein SEC63
13397270	7.44	6.87	1.49	0.289887	0.558085	AT2G26110	hypothetical protein
13446207	7.44	6.91	1.44	0.329077	0.574751	AT3G07568	hypothetical protein
13336641	7.44	6.93	1.42	0.244546	0.535161	AT1G06530	tropomyosin-related protein
13518058	7.44	6.95	1.41	0.349562	0.581308	Tudor2	TUDOR-SN protein 2
13370732	7.44	6.98	1.38	0.218528	0.520794	AT1G21080	DNAJ heat shock N-terminal domain-containing protein
13508908	7.44	6.98	1.37	0.068279	0.406394	AT5G40810	ubiquinol-cytochrome c reductase cytochrome c1 subunit
13508446	7.44	7.04	1.32	0.273662	0.550276	AT5G39730	AIG2-like protein
13518993	7.44	7.06	1.31	0.274422	0.550583	AT5G63930	leucine-rich repeat protein kinase-like protein
13358418	7.44	7.21	1.17	0.598615	0.731612	AT1G72700	phospholipid-translocating ATPase
13528954	7.44	7.21	1.17	0.556727	0.703792	EIF2 BETA	translation initiation factor eIF-2 beta subunit
13346071	7.44	7.23	1.15	0.570742	0.713034	PFD6	prefoldin 6
13385343	7.44	7.53	-1.07	0.798601	0.870457	AT1G69450	Early-responsive to dehydration stress protein (ERD4)
13484639	7.44	7.63	-1.14	0.676487	0.785602	CIPK4	CBL-interacting serine/threonine-protein kinase 4
13335243	7.43	6.21	2.33	0.101982	0.435457	AT1G03220	aspartyl protease-like protein
13404020	7.43	6.61	1.76	0.206879	0.513335	OEP16-3	Tim17 domain-containing protein
13501878	7.43	6.74	1.61	0.224618	0.524988	AT5G15610	Proteasome component (PCI) domain protein
13373207	7.43	6.8	1.54	0.177117	0.49333	FIP1	GEM-like protein 1
13503033	7.43	6.82	1.53	0.23778	0.531954	FASS	protein tonneau 2
13529097	7.43	6.83	1.52	0.121624	0.452564	AT5G21160	LA RNA-binding protein
13499642	7.43	6.86	1.49	0.169782	0.48808	MTHSC70-2	mitochondrial HSO70 2
13404244	7.43	6.86	1.48	0.231951	0.528375	ML2	MEI2-like 2 protein
13536351	7.43	6.87	1.48	0.214119	0.518562	VAM3	syntaxin-22
13370916	7.43	6.88	1.46	0.138437	0.46568	AT1G21580	zinc finger CCCH domain-containing protein
13491489	7.43	6.95	1.39	0.185035	0.49956	AT4G30260	Yip1 integral membrane domain-containing protein
13538856	7.43	6.98	1.37	0.329356	0.574846	TAP46	PP2A regulatory subunit TAP46
13376163	7.43	7.01	1.33	0.220382	0.52188	emb1075	putative group II plp decarboxylase
13418497	7.43	7.01	1.33	0.146791	0.470962	FAC1	AMP deaminase
13528720	7.43	7.03	1.32	0.396649	0.604147	XIK	Myosin family protein with Dil domain

13376069	7.43	7.13	1.23	0.175727	0.492347	PTB3	polypyrimidine tract-binding protein 3
13396484	7.43	7.16	1.2	0.417993	0.616286	SNRNP-G	small nuclear ribonucleoprotein
13536092	7.43	7.18	1.19	0.430991	0.623682	DELTA-OAT	ornithine-delta-aminotransferase
13418673	7.43	7.21	1.17	0.143969	0.469307	AT2G38710	AMMECR1 protein
13395252	7.43	7.24	1.14	0.3323	0.576298	SYTA	synaptotagmin A
13539351	7.43	7.36	1.05	0.606019	0.736663	AGD5	putative ADP-ribosylation factor GTPase-activating protein AGD5
13453617	7.43	7.42	1.01	0.911306	0.946225	ATL5	60S ribosomal protein L5-1
13505707	7.43	7.45	-1.01	0.938206	0.962761	AT5G25560	CHY and CTCHY and RING-type zinc finger protein
13458416	7.43	7.46	-1.02	0.936756	0.961654	UGT72E1	coniferyl-alcohol glucosyltransferase
13540794	7.43	7.81	-1.3	0.018562	0.321499	TIL; YKT61	outer membrane lipoprotein Blc; VAMP-like protein YKT61
13391991	7.43	7.86	-1.35	0.006392	0.282486	MOD1	enoyl-[acyl-carrier protein] reductase I
13428534	7.43	8	-1.49	0.069267	0.406403	AT3G15240	serine/threonine-protein kinase WNK (With No Lysine)-related protein
13374076	7.42	5.41	4.03	0.018111	0.319749	AT1G30370	lipase-3 domain-containing protein
13544332	7.42	5.48	3.82	0.003094	0.253459	AT5G66490	hypothetical protein
13356735	7.42	5.54	3.67	0.002792	0.253459	AT1G68810	transcription factor bHLH30
13402333	7.42	5.8	3.07	0.034734	0.355201	AT2G38390	peroxidase 23
13518686	7.42	6.06	2.58	0.071796	0.408234	AT5G63190	MA3 domain-containing protein
13474587	7.42	6.48	1.91	0.2015	0.510189	AT4G28260	hypothetical protein
13372319	7.42	6.57	1.8	0.062044	0.398248	AT1G25390	protein kinase-like protein
13509669	7.42	6.59	1.78	0.146688	0.470962	XRN2	5'-3' exoribonuclease 2
13540773	7.42	6.6	1.77	0.119612	0.450566	AT5G58030	Transport protein particle (TRAPP) component
13490002	7.42	6.62	1.74	0.085994	0.421244	SHV3; AT4G26680	putative glycerophosphoryl diester phosphodiesterase 2; pentatricopeptide repeat-containing protein
13342401	7.42	6.63	1.73	0.132277	0.46234	AVA-P2	ATPase, F0/V0 complex, subunit C protein
13340858	7.42	6.68	1.68	0.00281	0.253459	AT1G16520	hypothetical protein
13363537	7.42	6.72	1.63	0.181761	0.496969	EFE	1-aminocyclopropane-1-carboxylate oxidase
13464321	7.42	6.74	1.61	0.097892	0.433275	ATSTE24	CAAX prenyl protease 1-like protein
13348448	7.42	6.83	1.5	0.188244	0.50249	AT1G42470	Niemann-Pick C1 protein
13454367	7.42	6.91	1.43	0.227977	0.526027	G6PD5	glucose-6-phosphate dehydrogenase 5
13360177	7.42	6.93	1.41	0.281897	0.555152	AT1G77350	hypothetical protein
13396648	7.42	6.92	1.41	0.339731	0.578001	AT2G24420	ATPase-related DNA repair protein
13416063	7.42	6.93	1.41	0.237707	0.531849	PDIL2-3	protein disulfide-isomerase A6
13392881	7.42	6.93	1.4	0.137033	0.465622	AT2G14255	putative S-acyltransferase
13453072	7.42	6.98	1.36	0.148801	0.471967	AT3G24040	Core-2/I-branching beta-1,6-N-acetylglucosaminyltransferase family protein
13351718	7.42	7	1.34	0.269473	0.547909	MAP3KA	mitogen-activated protein kinase kinase kinase 3
13357993	7.42	7	1.34	0.291428	0.559213	SEC6	protein SEC6
13440808	7.42	6.99	1.34	0.232662	0.528589	AT3G58030	RING/U-box domain-containing protein
13340894	7.42	7.02	1.32	0.067388	0.405555	AT1G16560; AT1G16570	Per1-like family protein; beta-1,4-mannosyltransferase
13527056	7.42	7.03	1.31	0.458005	0.639717	AT5G16680	RING/FYVE/PHD zinc finger-containing protein
13408637	7.42	7.12	1.23	0.390366	0.600173	CHR5	chromatin remodeling 5

13490959	7.42	7.12	1.23	0.407032	0.609873	AIM1	enoyl-CoA hydratase/3-hydroxyacyl-CoA dehydrogenase
13420263	7.42	7.31	1.08	0.373892	0.592616	AT2G42230	C-CAP/cofactor C-like domain-containing protein
13410527	7.42	7.35	1.05	0.654924	0.771119	NADP-ME1	malate dehydrogenase (oxaloacetate-decarboxylating)(NADP+)
13541289	7.42	7.35	1.05	0.831358	0.8931	AT5G59210	myosin heavy chain-related protein
13334578	7.42	7.47	-1.03	0.813754	0.880909	AT1G01940	peptidyl-prolyl cis-trans isomerase-like 3
13391051	7.42	7.46	-1.03	0.727341	0.821236	MED8	mediator subunit 8
13518095	7.42	7.47	-1.03	0.885072	0.929869	AT5G61880	Protein Transporter, Pam16
13526481	7.42	7.51	-1.06	0.75557	0.840035	ENODL17	Lamin-like protein
13441960	7.42	7.54	-1.09	0.555138	0.703035	DHDPS1	dihydrodipicolinate synthase 1
13349168	7.42	7.68	-1.2	0.386855	0.598595	AT1G47330	hypothetical protein
13429761	7.42	7.73	-1.24	0.360949	0.58773	JAZ3	protein TIFY 6B
13458022	7.41	5.39	4.07	0.025244	0.335081	ARLA1B	ADP-ribosylation factor-like A1B
13459960	7.41	5.91	2.83	0.060957	0.397238	AT3G54500; RPB5E	hypothetical protein; RNA polymerase II fifth largest subunit, E
13390395	7.41	6.22	2.28	0.034434	0.355201	QSOX2	quiescin-sulfhydryl oxidase 2
13375713	7.41	6.41	2.01	0.225101	0.524988	CINV1	cytosolic invertase 1
13472990	7.41	6.5	1.88	0.10922	0.440715	AT4G24480	protein kinase family protein
13399535	7.41	6.61	1.74	0.147074	0.470962	GSL03	callose synthase
13529990	7.41	6.86	1.47	0.257568	0.541251	RPS11-BETA	40S ribosomal protein S11-3
13516463	7.41	6.88	1.45	0.283554	0.555903	AT5G58100	hypothetical protein
13458508	7.41	6.9	1.43	0.189347	0.503111	AT3G51000	putative epoxide hydrolase
13518939	7.41	6.93	1.4	0.195986	0.506911	RSW3	alpha 1,3-glucosidase
13519094	7.41	6.95	1.37	0.187346	0.501914	AT5G64160; AT5G64150	hypothetical protein; RNA methyltransferase family protein
13504254	7.41	6.99	1.34	0.452194	0.636608	AT5G21326; UVR8	CBL-interacting serine/threonine-protein kinase 26; protein UV-B resistance 8
13523216	7.41	7	1.32	0.554983	0.702964		
13463532	7.41	7.17	1.19	0.252587	0.538805	CYCP1;1	cyclin-U3-1
13527695	7.41	7.18	1.17	0.750585	0.83655	AT5G18150	Methyltransferase-related protein
13378205	7.41	7.24	1.13	0.52517	0.682587	Y14	RNA-binding protein 8A
13360257	7.41	7.25	1.12	0.767712	0.848387	PDIL1-2	protein disulfide-isomerase 2
13454958	7.41	7.29	1.08	0.702031	0.803803	AT3G28950	AIG2-like protein
13342802	7.41	7.35	1.05	0.83861	0.898257	AT1G20970	hypothetical protein
13410792	7.41	7.54	-1.09	0.702143	0.803836	AT2G20280	zinc finger CCCH domain-containing protein 21
13513169	7.41	8.2	-1.73	0.074426	0.410455	AT5G50560; AT5G50660	hypothetical protein
13545258	7.41	8.51	-2.14	0.520256	0.678956	ArthMp018	hypothetical protein
13396140	7.41	8.91	-2.81	0.031074	0.351113	SCPL11	serine carboxypeptidase-like 11
13428870	7.4	6.22	2.26	0.09827	0.433275	SULTR3;4	putative sulfate transporter 3.4
13532250	7.4	6.39	2.01	0.139049	0.466075	AT5G35560	DENN (AEX-3) domain-containing protein
13453840	7.4	6.39	2	0.148428	0.471967	CYP71B23	cytochrome P450 71B23
13425745	7.4	6.54	1.82	0.193471	0.505856	AT3G08030	hypothetical protein
13441456	7.4	6.56	1.8	0.027398	0.342328	IQD13	protein IQ-domain 13
13449833	7.4	6.6	1.74	0.163107	0.484829	APG8H	autophagy-related protein 8i
13516740	7.4	6.6	1.73	0.076306	0.410663	AT5G58490	Rossmann-fold NAD(P)-binding domain-containing protein

13495582	7.4	6.7	1.63	0.11884	0.449311	SHL1	PHD finger and bromo-adjacent homology domain-containing protein
13429894	7.4	6.71	1.61	0.284876	0.556338	AT3G18060	transducin/WD40 domain-containing protein
13440390	7.4	6.8	1.51	0.285405	0.556385	ARR9	two-component response regulator ARR9
13357079	7.4	6.87	1.45	0.1914	0.504452	AT1G69580	transcription factor
13503808	7.4	6.95	1.37	0.292108	0.559482	RAN-1	GTP-binding nuclear protein Ran-1
13345655	7.4	6.96	1.35	0.250844	0.537953	AT1G28540	hypothetical protein
13374758	7.4	6.98	1.34	0.301883	0.563858	IWS1	Transcription elongation factor (TFIIS) family protein
13427639	7.4	7.05	1.28	0.537313	0.690527	AT3G13432	hypothetical protein
13379198	7.4	7.07	1.25	0.454254	0.637624	RPT1A	regulatory particle triple-A 1A
13393906	7.4	7.1	1.23	0.4532	0.637042	AT2G17720	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase-like protein
13493976	7.4	7.1	1.23	0.346039	0.58045	NRPB1	DNA-directed RNA polymerase II subunit RPB1
13481918	7.4	7.21	1.14	0.721005	0.817051	CRK25	cysteine-rich receptor-like protein kinase 25
13345129	7.4	7.33	1.05	0.70099	0.803255	APT1	adenine phosphoribosyltransferase 1
13406403	7.4	7.66	-1.2	0.070843	0.40759	GSTF8; AT2G47720	glutathione S-transferase 6; hypothetical protein
13466930	7.4	7.91	-1.42	0.261448	0.543291	CYTC-2	cytochrome c-2
13475194	7.39	6.49	1.87	0.0909	0.427987	PFN2	profilin 2
13453540	7.39	6.52	1.83	0.10667	0.43902	AT3G25150	nuclear transport factor 2 and RNA recognition motif domain-containing protein
13415199	7.39	6.64	1.69	0.073802	0.410168	SKdZeta	Shaggy-related protein kinase zeta
13492162	7.39	6.66	1.66	0.101078	0.434715	AT4G31860	putative protein phosphatase 2C 60
13363640	7.39	6.67	1.65	0.149786	0.472607	AXR1	amyloid beta precursor protein binding protein 1
13449850	7.39	6.67	1.64	0.281331	0.554599	AT3G15610	transducin/WD40 domain-containing protein
13471106	7.39	6.69	1.62	0.068269	0.406394	BAM3	leucine-rich receptor-like protein kinase BAM3
13486701	7.39	6.76	1.55	0.073086	0.408856	AT4G19006	26S proteasome regulatory subunit N9
13417876	7.39	6.78	1.53	0.258789	0.541546	GSL8; AT2G36854	callose synthase 10; hypothetical protein
13373290	7.39	6.8	1.51	0.247517	0.536171	DYL1	dormancy-associated protein-like 1
13537521	7.39	6.81	1.5	0.020754	0.324125	AT5G49665	C3H4 type zinc finger protein
13532548	7.39	6.81	1.5	0.159059	0.481556	AT5G36210	alpha/beta-hydrolase domain-containing protein
13389156	7.39	6.88	1.43	0.188536	0.502829	AT1G78895	reticulon-like protein B22
13506282	7.39	6.89	1.42	0.104035	0.436528	AT5G27120	putative nucleolar protein 5-1
13452814	7.39	6.92	1.39	0.163214	0.484932	AT3G23175	HR-like lesion-inducing protein-like protein
13503343	7.39	6.96	1.35	0.381268	0.596438	ECR1	ubiquitin-activating enzyme E1 C
13409575	7.39	6.96	1.34	0.06904	0.406403	DSK2	ubiquitin-like protein
13365159	7.39	7.02	1.29	0.304521	0.564977	AT1G08320	bZIP transcription factor-like protein
13402978	7.39	7.11	1.21	0.046819	0.377465	AT2G39870	hypothetical protein
13429249	7.39	7.24	1.11	0.701865	0.803774	AT3G16760	tetratricopeptide repeat domain-containing protein
13338661	7.39	7.32	1.05	0.39822	0.604949	SUB	protein STRUBBELIG
13489976	7.39	7.58	-1.14	0.678661	0.787327	AT4G26630	DEK domain-containing chromatin associated protein
13434720	7.38	4.71	6.36	0.030176	0.350098	AGL79	protein agamous-like 79
13379873	7.38	5.65	3.32	0.046433	0.377124	AT1G55530	RING/U-box domain-containing protein

13521144	7.38	5.75	3.11	0.067609	0.405582	AT5G02090	hypothetical protein
13511418	7.38	6.05	2.52	0.092715	0.429659	AT5G46840	RNA recognition motif-containing protein
13409657	7.38	6.26	2.18	0.127168	0.456867	MLO8	MLO-like protein 8
13472127	7.38	6.41	1.96	0.206937	0.513335	CYP706A2	cytochrome P450, family 706, subfamily A, polypeptide 2
13399474	7.38	6.42	1.95	0.139104	0.466075	AT2G31810	ACT domain-containing small subunit of acetolactate synthase protein
13362173	7.38	6.63	1.68	0.134488	0.463251	EDA10	SEC7-like guanine nucleotide exchange protein
13452377	7.38	6.71	1.59	0.226638	0.525406	TWD1	peptidyl-prolyl isomerase
13360347	7.38	6.77	1.53	0.305102	0.565001	AT1G77800	PHD finger-containing protein
13377449	7.38	6.84	1.46	0.349646	0.581397	RBP47A	RNA-binding protein 47A
13501417	7.38	6.87	1.42	0.282254	0.555357	BET9	bromodomain and extraterminal domain protein 9
13419075	7.38	6.9	1.4	0.232288	0.528375	AT2G39630	dolichyl-phosphate beta-glucosyltransferase
13545246	7.38	6.92	1.38	0.112957	0.444045		
13545309	7.38	6.92	1.38	0.112957	0.444045		
13360876	7.38	6.94	1.36	0.280684	0.554406	VP2; AT1G78922	pyrophosphate-energized membrane proton pump 2; hypothetical protein
13487205	7.38	7.03	1.28	0.172854	0.490173	AT4G20330	Transcription initiation factor TFIIE, beta subunit
13390636	7.38	7.13	1.19	0.427743	0.621849	ATMAP65-6	microtubule-associated protein 6
13430130	7.38	7.12	1.19	0.567204	0.71093	CASP	protein CASP
13398516	7.38	7.16	1.16	0.474745	0.649078	AT2G29210	serine/arginine repetitive matrix protein 1
13500902	7.38	7.22	1.12	0.577721	0.717894	AT5G13200	GEM-like protein 5
13420033	7.38	7.23	1.11	0.60069	0.73277	AT2G41790	insulysin
13347087	7.38	7.24	1.1	0.355088	0.584506	AT1G32410	vacuolar protein sorting-associated protein 55-like protein
13345111	7.38	7.3	1.06	0.252009	0.538651	AT1G27400	60S ribosomal protein L17-1
13406946	7.38	7.35	1.02	0.917352	0.949927	AT2G01720	Ribophorin I
13380388	7.38	7.36	1.01	0.970857	0.982893	CRT1a	calreticulin-1
13462898	7.38	7.45	-1.05	0.379153	0.594872	AGP20	arabinogalactan protein 20
13444392	7.38	7.53	-1.11	0.583972	0.723023	SIP1A	aquaporin SIP1-1
13396917	7.38	7.55	-1.12	0.40906	0.610961	AT2G25250	hypothetical protein
13381444	7.38	7.91	-1.45	0.125576	0.45484	AT1G60640	hypothetical protein
13376768	7.37	6.01	2.56	0.065443	0.402125	AT1G48090	calcium-dependent lipid-binding-like protein
13521643	7.37	6.23	2.21	0.102194	0.435549	CTR1	serine/threonine-protein kinase CTR1
13540330	7.37	6.28	2.13	0.072437	0.408352	AT5G57120	hypothetical protein
13544306	7.37	6.33	2.06	0.063512	0.399503	AT5G66460	mannan endo-1,4-beta-mannosidase 7
13467725	7.37	6.36	2.01	0.149854	0.472664	AHL1; FRI	AT-hook motif nuclear-localized protein 1; FRIGIDA-like protein
13407746	7.37	6.45	1.89	0.010353	0.296261	AT2G04360	hypothetical protein
13458310	7.37	6.46	1.89	0.109552	0.440845	SNRK2.2	serine/threonine-protein kinase SRK2D
13371488	7.37	6.46	1.87	0.110392	0.441489	PIN7	auxin efflux carrier component 7
13438645	7.37	6.61	1.68	0.24541	0.535223		
13501970	7.37	6.66	1.64	0.025334	0.3354	AT5G15810	N2,N2-dimethylguanosine tRNA methyltransferase
13377349	7.37	6.68	1.62	0.134537	0.463251	AT1G49140	NADH dehydrogenase [ubiquinone] iron-sulfur protein 6
13476741	7.37	6.82	1.47	0.075422	0.410503	La1	La protein 1

13462005	7.37	6.88	1.4	0.473516	0.648287	UTR6	UDP-galactose transporter 6
13544182	7.37	6.88	1.4	0.339675	0.577996	CPK28	calcium-dependent protein kinase 28
13344392	7.37	7.13	1.18	0.129174	0.459395	AT1G25150; AT1G24800; AT1G24881; AT1G25055; AT1G25211	F-box family protein; F-box protein
13380220	7.37	7.25	1.09	0.456116	0.638899	NOP56	homolog of nucleolar protein NOP56
13488760	7.37	7.27	1.08	0.432671	0.625072	AT4G24015	RING-H2 zinc finger protein RHA4a
13354475	7.37	7.31	1.04	0.863389	0.914754	AT1G62740	putative stress-inducible protein
13516661	7.37	7.33	1.03	0.921489	0.952548	WNK4	putative serine/threonine-protein kinase WNK4
13371563	7.37	7.54	-1.13	0.474419	0.64885	AT1G23280	MAK16 protein-like protein
13540267	7.37	7.61	-1.18	0.253866	0.539549	AT5G56980	hypothetical protein
13350516	7.37	7.64	-1.2	0.29455	0.560624	AT1G50740	Transmembrane proteins 14C
13367635	7.37	8.04	-1.6	0.031774	0.352572	AT1G13830	carbohydrate-binding X8 domain-containing protein
13412790	7.37	8.76	-2.62	0.01531	0.313468	AT2G25450	putative 2-oxoacid dependent dioxygenase
13484073	7.36	4.38	7.9	0.092978	0.429815		
13414309	7.36	5.48	3.7	0.006865	0.285606	AT2G28780	hypothetical protein
13409986	7.36	5.92	2.7	0.002193	0.253459	AT2G18196	heavy-metal-associated domain-containing protein
13437136	7.36	6.16	2.3	0.117765	0.447676	CDC2	cyclin-dependent kinase A-1
13489240	7.36	6.33	2.04	0.128612	0.458836	ATGP4	membrane-anchored ubiquitin-fold protein 3
13415905	7.36	6.39	1.96	0.010791	0.297771	AT2G32520	carboxymethylenebutenolidase
13422569	7.36	6.41	1.94	0.124342	0.453788	TLP3	Tubby-like F-box protein 3
13404867	7.36	6.47	1.86	0.048183	0.37767	AT2G44410	RING/U-box domain-containing protein
13477614	7.36	6.51	1.81	0.018397	0.321469	GBF6; CPuORF2	G-box binding factor 6; uncharacerized protein
13342813	7.36	6.64	1.65	0.283879	0.556066	SPL14	squamosa promoter binding-like protein 14
13391667	7.36	6.64	1.65	0.126262	0.455497	AT2G04690	Pyridoxamine 5'-phosphate oxidase family protein
13402895	7.36	6.69	1.59	0.306959	0.565657	CYT1	mannose-1-phosphate guanylyltransferase
13363187	7.36	6.72	1.55	0.167455	0.48688	CRY2	cryptochrome 2
13449943	7.36	6.89	1.39	0.295382	0.561114	WSIP2; AT3G15870	Topless-related protein 4; putative lipid desaturase ADS3.2
13429357	7.36	6.94	1.34	0.207491	0.513566	AT3G16940	calmodulin-binding transcription activator
13427308	7.36	7.04	1.25	0.346589	0.58045	AT3G12700	aspartyl protease family protein
13383058	7.36	7.06	1.24	0.206142	0.512828	VHA-E3	V-type proton ATPase subunit E3
13345605	7.36	7.07	1.22	0.22105	0.5223	HSL1	receptor-like protein kinase HSL1
13368067	7.36	7.14	1.16	0.395142	0.603169	AT1G14810; AT1G14800	semialdehyde dehydrogenase-like protein; Nucleic acid-binding, OB-fold-like protein
13510443	7.36	7.24	1.09	0.756471	0.84071	DUR	UDP-arabinose 4-epimerase
13434615	7.36	7.3	1.04	0.890127	0.932404	RIK	protein RIK
13513773	7.36	7.39	-1.02	0.875035	0.922783	AT5G51840	hypothetical protein
13338578	7.36	7.68	-1.25	0.254447	0.539781	AT1G10890	arginine and glutamate-rich protein 1
13544966	7.36	8.08	-1.65	0.152192	0.474512	rpoB	RNA polymerase beta chain
13337220	7.35	2.69	25.27	0.005932	0.280665	NRT2:1	nitrate transporter 2:1
13344758	7.35	6.27	2.11	0.00033	0.181632	VTI1B	vesicle transport v-SNARE 12
13543219	7.35	6.39	1.95	0.143791	0.469269	PI-4KBETA1	phosphatidylinositol 4-kinase beta 1

13348669	7.35	6.55	1.74	0.069211	0.406403	VIP1	VIRE2-interacting protein 1
13522568	7.35	6.63	1.64	0.209841	0.515017	SNX1	sorting nexin 1
13395484	7.35	6.86	1.41	0.281422	0.554675	SAE2	SUMO-activating enzyme subunit 2
13441409	7.35	6.9	1.36	0.211916	0.517359	NRPB8B	RNA polymerase Rpb8
13517904	7.35	6.93	1.33	0.180353	0.495835	AT5G61530	uncharacterized Rho GTPase-activating protein
13492994	7.35	6.95	1.32	0.102238	0.435554	BAK1	BRASSINOSTEROID INSENSITIVE 1-associated receptor kinase 1
13459777	7.35	6.98	1.29	0.239214	0.532471	AT3G54190	transducin/WD40 domain-containing protein-like protein
13450847	7.35	7.05	1.23	0.488486	0.657487	NAC058	NAC domain containing protein 58
13363363	7.35	7.06	1.22	0.441779	0.630517	AT1G04780	ankyrin repeat-containing protein
13444115	7.35	7.09	1.19	0.228225	0.526027	NPC3	non-specific phospholipase C3
13413534	7.35	7.12	1.18	0.419009	0.616615	CIPK3	CBL-interacting serine/threonine-protein kinase 3
13467008	7.35	7.11	1.18	0.122651	0.45286	DET1	Light-mediated development protein DET1
13458602	7.35	7.19	1.12	0.440475	0.629883	VPS35C	VPS35-like protein C
13513379	7.35	7.2	1.11	0.587864	0.725985	PABN1	polyadenylate-binding protein 1
13514684	7.35	7.28	1.05	0.811665	0.879514	AT5G53800	hypothetical protein
13442988	7.35	7.77	-1.34	0.010679	0.297744	CCD1	carotenoid cleavage dioxygenase 1
13349722	7.35	8.18	-1.78	0.104373	0.4366	delta-ADR; AT1G48750	AP-3 complex subunit delta; bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13545355	7.35	8.65	-2.46	0.116105	0.446792	ArthMp089	hypothetical protein
13530957	7.34	6.03	2.49	0.036314	0.358832	AT5G25770	esterase/lipase domain-containing protein
13497140	7.34	6.19	2.23	0.049834	0.379192	HD2C	histone deacetylase HDT3
13467828	7.34	6.46	1.84	0.079137	0.414078	UPL5	E3 ubiquitin-protein ligase UPL5
13337101	7.34	6.51	1.78	0.081802	0.416828	AT1G07830	ribosomal protein L29 family protein
13476408	7.34	6.53	1.76	0.0774	0.412497	AT4G32240	hypothetical protein
13437997	7.34	6.63	1.64	0.002148	0.253459	AT3G51270	RIO kinase 2
13364194	7.34	6.66	1.6	0.125845	0.454973	ARA-2	Ras-related protein RABA1a
13387648	7.34	6.67	1.6	0.166071	0.486235	OTC	ornithine carbamoyltransferase
13458886	7.34	6.76	1.5	0.157272	0.479888	CAM9	calmodulin-like protein 9
13491792	7.34	6.79	1.46	0.190354	0.503959	WRKY32	WRKY DNA-binding protein 32
13381341	7.34	6.83	1.42	0.298453	0.562461	GolS4	galactinol synthase 4
13444837	7.34	6.85	1.4	0.26476	0.545611	LRS1; AT3G05080	transducin/WD-40 repeat-containing protein; hypothetical protein
13375750	7.34	6.9	1.35	0.04485	0.374597	AT1G35780	hypothetical protein
13457267	7.34	6.91	1.35	0.288318	0.557599	AT3G47910	Ubiquitin carboxyl-terminal hydrolase-related protein
13363831	7.34	6.99	1.28	0.364067	0.589155	AT1G05520	sec23/sec24-like transport protein
13525318	7.34	7.13	1.16	0.327052	0.574063	CPK7	calmodulin-domain protein kinase 7
13446701	7.34	7.14	1.15	0.333008	0.576298	DEX1	defective in exine formation protein (DEX1)
13395907	7.34	7.15	1.14	0.59773	0.731118	PFK5	6-phosphofructokinase 5
13424609	7.34	7.19	1.12	0.693911	0.798183	ACBP4	acyl-CoA binding protein 4
13408065	7.34	7.19	1.11	0.719359	0.815801	AT2G05940	kinase-like protein
13408540	7.34	7.27	1.05	0.764562	0.845952	AT2G11773	hypothetical protein
13522648	7.34	7.28	1.04	0.824148	0.887723	NHL3; AtPOT1b	NDR1/HIN1-Like protein 3; Nucleic acid-binding, OB-fold-like protein

13361854	7.34	7.42	-1.06	0.719605	0.816014	PDH-E1 ALPHA	pyruvate dehydrogenase E1 component subunit alpha
13524075	7.34	7.59	-1.18	0.551428	0.70053	AT5G09890	Protein kinase family protein
13353191	7.34	7.94	-1.52	0.089037	0.425862	AT1G58170	Disease resistance-responsive (dirigent-like protein) family protein
13400760	7.33	5.97	2.57	0.050465	0.380688	ACD11	glycolipid transfer protein-like protein
13517878	7.33	6.46	1.84	0.134091	0.463251	TOC1	two-component response regulator-like APRR1
13525417	7.33	6.53	1.74	0.201621	0.510189	GSL12	callose synthase
13439669	7.33	6.55	1.72	0.082215	0.417449	MKP1	mitogen-activated protein kinase phosphatase 1
13524655	7.33	6.58	1.68	0.442408	0.630913	AT5G11000	hypothetical protein
13388340	7.33	6.65	1.61	0.048571	0.37767	AT1G76970	Target of Myb protein 1
13471730	7.33	6.64	1.61	0.140135	0.466502	ENDO4	endonuclease 4
13377001	7.33	6.7	1.54	0.147757	0.4719	AT1G48430	Dihydroxyacetone kinase
13529007	7.33	6.79	1.45	0.367907	0.590874	B73	Molybdopterin adenylyltransferase
13372568	7.33	6.81	1.44	0.144254	0.469407		
13437147	7.33	6.8	1.44	0.173686	0.490884	AT3G48760	putative S-acyltransferase
13486098	7.33	6.87	1.38	0.26006	0.542694	UCH3	ubiquitin C-terminal hydrolase 3
13394485	7.33	6.92	1.33	0.357294	0.584844	HMA4	Cd2+/Zn2+-exporting ATPase
13462095	7.33	6.92	1.33	0.225535	0.524988	AT3G59660	C2 domain and GRAM domain-containing protein
13493753	7.33	6.92	1.32	0.165074	0.485944	BSK1	BR-signaling kinase 1
13500741	7.33	6.99	1.26	0.092382	0.429659	AT5G12400	PHD-finger and DNA binding domain-containing protein
13438472	7.33	7.04	1.22	0.132635	0.462428	AT3G52230	hypothetical protein
13496345	7.33	7.06	1.21	0.153737	0.476554	AT5G01960	RING/U-box domain-containing protein
13404755	7.33	7.12	1.16	0.339172	0.57788	MTHFR2	methylenetetrahydrofolate reductase 2
13457204	7.33	7.15	1.13	0.721857	0.817547	ABCA2	ABC transporter A family member 2
13545271	7.33	7.22	1.08	0.819149	0.884305	ArthMp028	hypothetical protein
13544968	7.33	7.96	-1.55	0.015314	0.313468	psbM	photosystem II protein M
13378592	7.32	5.26	4.16	0.057708	0.39275	AT1G52200	PLAC8 family protein
13517058	7.32	6.19	2.19	0.011411	0.297771	ZEU1	protein ZEU1 (ZEUS1)
13367993	7.32	6.41	1.87	0.219234	0.521371	MAP65-7	microtubule-associated protein 65-7
13359866	7.32	6.53	1.72	0.198907	0.508347	AT1G76590	PLATZ transcription factor domain-containing protein
13412972	7.32	6.54	1.72	0.157494	0.479979	AT2G25800	hypothetical protein
13401115	7.32	6.58	1.67	0.195322	0.50631	MOR1	microtubule organization 1 protein
13417416	7.32	6.61	1.63	0.167929	0.487067	AT2G35900	hypothetical protein
13454572	7.32	6.61	1.63	0.20771	0.513587	CARA	carbamoyl phosphate synthetase A
13424422	7.32	6.64	1.6	0.245148	0.535223	AT3G05070	coiled-coil domain-containing protein 12
13405600	7.32	6.68	1.56	0.265746	0.546216	BRM	ATP-dependent helicase BRM
13454334	7.32	6.77	1.47	0.019658	0.322692	AT3G27210	hypothetical protein
13403000	7.32	6.77	1.46	0.124712	0.453788	AT2G39900	LIM domain-containing protein
13483942	7.32	6.84	1.39	0.400022	0.605806	NIG	NSP (nuclear shuttle protein)-interacting GTPase
13414420	7.32	6.92	1.32	0.288563	0.557599	ftsh3	cell division protease ftsH-3
13400558	7.32	6.99	1.25	0.154982	0.477973	AT2G34250	protein transport protein SEC61 subunit alpha
13442623	7.32	7.06	1.19	0.42891	0.62258	AT3G62370	heme binding protein

13378550	7.32	7.14	1.13	0.454029	0.637478	AT1G52140	hypothetical protein
13472501	7.32	7.3	1.02	0.954223	0.972632	VAG2	V-type proton ATPase subunit G2
13498154	7.32	7.31	1.01	0.967258	0.980673	AT5G05960	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13513345	7.32	7.3	1.01	0.964981	0.979392	AT5G51040	hypothetical protein
13493188	7.32	7.35	-1.01	0.958789	0.975582	AT4G33780	hypothetical protein
13404575	7.32	7.43	-1.07	0.435147	0.626486	EMB2777	Sas10/U3 ribonucleoprotein-like protein
13417929	7.32	7.42	-1.07	0.7087	0.80846	MAT3	S-adenosylmethionine synthase 3
13452637	7.32	8.04	-1.66	0.068802	0.406403	AT3G22600	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13487739	7.32	8.89	-2.97	0.083353	0.417856	MSRB9	peptide methionine sulfoxide reductase B9
13443268	7.32	10.33	-8.04	0.001677	0.250556	DOX1	alpha-dioxygenase
13496321	7.31	5.57	3.34	0.015837	0.315359	OFP1	ovate family protein 1
13486904	7.31	5.83	2.78	0.078381	0.414078	AT4G19420	putative Pectinacetylesterase
13346288	7.31	5.84	2.77	0.04851	0.37767	AT1G30440	Phototropic-responsive NPH3-like protein
13418127	7.31	6.01	2.45	0.078473	0.414078	RSZ33	arginine/serine-rich zinc knuckle-containing protein 33
13370441	7.31	6.35	1.95	0.037002	0.360107	AT1G20430	hypothetical protein
13334270	7.31	6.51	1.74	0.011279	0.297771	AT1G01300	aspartyl protease-like protein
13491565	7.31	6.65	1.58	0.124717	0.453788	AT4G30450	glycine-rich protein
13454624	7.31	6.78	1.45	0.105239	0.43719	NQR	NADPH:quinone oxidoreductase
13474369	7.31	6.81	1.42	0.034717	0.355201	FEY	Rossmann-fold NAD(P)-binding domain-containing protein
13356605	7.31	6.9	1.32	0.22869	0.52647	AT1G68490	hypothetical protein
13383888	7.31	6.92	1.31	0.114714	0.445861	ATX1	homolog of anti-oxidant 1
13481028	7.31	6.92	1.31	0.282889	0.555612	AT4G02620; AT4G02610	V-type proton ATPase subunit F; tryptophan synthase alpha chain
13521395	7.31	6.94	1.29	0.439676	0.629464	iqd2	protein IQ-domain 2
13443024	7.31	6.96	1.27	0.337876	0.57729	KIN10	SNF1-related protein kinase catalytic subunit alpha KIN10
13524061	7.31	7.09	1.17	0.130481	0.460628	AT5G09880	RNA-binding protein 39
13365476	7.31	7.1	1.16	0.27148	0.548926	ATSRP30	splicing factor, arginine/serine-rich 1/9
13450603	7.31	7.26	1.03	0.866861	0.917103	CIPK1	CBL-interacting serine/threonine-protein kinase 1
13496686	7.31	7.3	1.01	0.931088	0.957975	AT5G02740	Ribosomal protein S24e family protein
13407201	7.31	7.33	-1.01	0.944662	0.967025	AT2G02570	survival of motor neuron-related-splicing factor 30
13464517	7.31	7.46	-1.11	0.676682	0.78573	WRKY47	putative WRKY transcription factor 47
13417699	7.31	7.6	-1.22	0.24082	0.53343	RPL24A	60S ribosomal protein L24-1
13437990	7.31	7.63	-1.25	0.152918	0.47575	PAD1	proteasome subunit alpha type-7-A
13395929	7.31	7.82	-1.43	0.148615	0.471967	SVP	MADS-box protein SVP
13431707	7.31	8.13	-1.77	0.079494	0.414177	POP2; AT3G22210	gamma-aminobutyrate transaminase-like protein; hypothetical protein
13406047	7.3	5.68	3.07	0.128917	0.458942		
13407602	7.3	5.85	2.74	0.049418	0.378802	AT2G03820	nonsense-mediated mRNA decay protein 3
13418974	7.3	6.01	2.44	0.243995	0.534763	AT2G39370	hypothetical protein
13462153	7.3	6.08	2.33	0.065752	0.402744	SAC9	SAC domain-containing protein 9
13364709	7.3	6.26	2.05	0.127995	0.457939	SCL14	scarecrow-like protein 14
13488563	7.3	6.28	2.02	0.176186	0.492524	AT4G23460	beta-adaptin-like protein C
13496040	7.3	6.3	2	0.119763	0.450775	AT5G01160	e-cadherin binding protein-like protein

13472747	7.3	6.48	1.76	0.150691	0.473528	AT4G24100	protein kinase family protein
13503716	7.3	6.5	1.74	0.15957	0.481832	TUA5; TUA3	tubulin alpha-3/alpha-5 chain
13469444	7.3	6.54	1.7	0.112782	0.443921	AT4G16150	calmodulin-binding transcription activator 5
13351951	7.3	6.55	1.69	0.225816	0.524988	RSH3	RELA/SPOT homolog 3
13401325	7.3	6.7	1.52	0.358696	0.585867		
13542205	7.3	6.73	1.49	0.307996	0.566048	AT5G61510	NADPH2:quinone reductase
13492534	7.3	6.73	1.48	0.001336	0.242634	AT4G32610	copper ion binding protein
13449382	7.3	6.73	1.48	0.102748	0.435908	AT3G14240	Subtilase family protein
13471046	7.3	6.78	1.44	0.196551	0.507317	VSR7	vacuolar-sorting receptor 7
13350635	7.3	6.79	1.43	0.013661	0.309482	bHLH115	transcription factor bHLH115
13470032	7.3	6.83	1.39	0.210414	0.515627	CKB2	casein kinase 2 subunit beta'
13507340	7.3	6.82	1.39	0.251714	0.538552	GS2	glutamine synthetase
13431031	7.3	6.84	1.38	0.400505	0.606154	CPK9	calmodulin-domain protein kinase 9
13446640	7.3	6.89	1.32	0.194172	0.505856	AT3G08943	armadillo/beta-catenin-like repeat-containing protein
13524842	7.3	6.96	1.27	0.240948	0.533477	ASP3	aspartate aminotransferase
13475974	7.3	6.97	1.26	0.320952	0.570934	AT4G31310	AIG2-like protein
13520345	7.3	6.98	1.25	0.142015	0.468108	AT5G66820	hypothetical protein
13511663	7.3	7.08	1.16	0.03353	0.354018	AT5G47390	myb-like transcription factor family protein
13355211	7.3	7.16	1.11	0.759465	0.842451	MGL	methionine gamma-lyase
13425755	7.3	7.31	-1.01	0.883869	0.929151	KOB1	elongation defective 1 protein / ELD1 protein
13532320	7.3	7.47	-1.13	0.674919	0.784547	LSP1	translation initiation factor 4E-2
13508194	7.3	7.6	-1.23	0.118779	0.449258	AT5G38840	SMAD/FHA domain-containing protein
13354572	7.3	7.87	-1.49	0.115342	0.446247	NRS/ER	3,5-epimerase/4-reductase
13435387	7.3	8.14	-1.78	0.082644	0.417856	NIT1	nitrilase 1
13367739	7.29	4.96	5.05	0.015068	0.313401	AT1G14200	RING/U-box domain-containing protein
13404315	7.29	5.93	2.57	0.145084	0.470007	PAO2; CPuORF17	putative polyamine oxidase 2; hypothetical protein
13408944	7.29	6.06	2.34	0.032872	0.354018	AT2G14910	hypothetical protein
13481379	7.29	6.15	2.2	0.062371	0.398248	SRF3	STRUBBELIG-receptor family 3
13509104	7.29	6.22	2.1	0.085005	0.419494	AT5G41260	putative serine/threonine-protein kinase
13439506	7.29	6.42	1.83	0.227526	0.525679	ARA6	Ras-related small GTP-binding family protein
13511397	7.29	6.45	1.79	0.127156	0.456867	AT5G46780	VQ motif-containing protein
13352274	7.29	6.47	1.76	0.065723	0.402693	AT1G54920	hypothetical protein
13513596	7.29	6.61	1.61	0.233237	0.529097	AT5G51510	hypothetical protein
13506796	7.29	6.63	1.58	0.124798	0.453829	AT5G27990	pre-rRNA-processing protein TSR2, conserved region-containing protein
13475464	7.29	6.69	1.52	0.304381	0.564882	VLN4	villin 4
13458012	7.29	6.7	1.5	0.028514	0.346553	AT3G49800	BSD domain-containing protein
13437232	7.29	6.74	1.47	0.060814	0.396771	MAPR3	membrane steroid-binding protein 2
13398281	7.29	6.83	1.38	0.374409	0.593017	VHA-A1	V-type H+-transporting ATPase subunit I
13378232	7.29	6.83	1.37	0.48256	0.653511	MNS1; ZML2	mannosyl-oligosaccharide 1,2-alpha-mannosidase MNS1; GATA transcription factor 28
13412882	7.29	6.88	1.33	0.199356	0.508728	AT2G25670	hypothetical protein
13469853	7.29	6.88	1.32	0.413832	0.614025	AT4G17270	putative MO25-like protein
13444213	7.29	6.91	1.31	0.302691	0.563999	UNE7	Core-2/I-branching beta-1,6-N-acetylglucosaminyltransferase family protein

13494498	7.29	6.9	1.31	0.392468	0.601642	RCE1	NEDD8-conjugating enzyme Ubc12
13422040	7.29	6.93	1.28	0.145845	0.470399	SDH4	succinate dehydrogenase subunit 4
13511717	7.29	7.01	1.21	0.509221	0.671684	AT5G47480	RGPR-related protein
13531451	7.29	7.03	1.2	0.472227	0.647867	GSH2	glutathione synthetase
13490297	7.29	7.04	1.19	0.617809	0.745299	AT4G27280	EF-hand, calcium binding motif-containing protein
13484091	7.29	7.08	1.16	0.255283	0.540321	AT4G13590; AT4G13580	hypothetical protein; disease resistance-responsive, dirigent domain-containing protein
13453324	7.29	7.15	1.1	0.436132	0.627187	AT3G24480	leucine-rich repeat extensin-like protein 4
13428411	7.29	7.18	1.08	0.429951	0.622937	AT3G15000	cobalt ion binding protein
13542224	7.29	7.34	-1.03	0.785106	0.860521	ERF104	ethylene-responsive transcription factor ERF104
13352781	7.29	7.35	-1.04	0.868649	0.918319	AT1G56045; AT3G56020; AT3G11120; AT3G08520; AT2G40205	60S ribosomal protein L41
13525122	7.29	7.41	-1.09	0.57741	0.717663	AT5G12190	pre-mRNA branch site protein p14
13458928	7.29	7.65	-1.29	0.013111	0.305417	AT3G52040; AT3G52030	hypothetical protein; F-box/WD-40 repeat-containing protein
13508841	7.29	7.99	-1.62	0.086649	0.422315	AT5G40670	cystinosin
13445117	7.28	5.62	3.17	0.095417	0.431535	NF-YA2	nuclear transcription factor Y subunit A-2
13334484	7.28	5.98	2.47	0.054699	0.386003	AT1G01730	hypothetical protein
13544786	7.28	6.28	2	0.025366	0.335434	AT5G67600	hypothetical protein
13377422	7.28	6.48	1.74	0.180607	0.496088	RTV1	B3 domain-containing protein REM19
13540724	7.28	6.5	1.72	0.056314	0.389049	SKIP1	F-box protein SKIP1
13505372	7.28	6.52	1.7	0.122647	0.45286	AT5G24610	hypothetical protein
13377593	7.28	6.56	1.65	0.149087	0.471967	AT1G49850	RING/U-box domain-containing protein
13534756	7.28	6.66	1.54	0.18795	0.50226	COP8	COP9 signalosome complex subunit 4
13473069	7.28	6.71	1.49	0.123877	0.453788	MOS1	modifier of snc1 protein
13345329	7.28	6.72	1.47	0.347436	0.58045	AT1G27850	hypothetical protein
13533792	7.28	6.72	1.47	0.207196	0.513526	AT5G40240	nodulin MtN21 /EamA-like transporter family protein
13438050	7.28	6.75	1.44	0.006883	0.285606	AT3G51390; AT3G51400	putative S-acyltransferase; hypothetical protein
13499042	7.28	6.77	1.42	0.050828	0.381425	AT5G07960	hypothetical protein
13390883	7.28	6.79	1.41	0.241459	0.53362	CAND1	cullin-associated NEDD8-dissociated protein 1
13508760	7.28	6.85	1.35	0.31485	0.568201	AT5G40510	Sucrase/ferredoxin-like family protein
13541512	7.28	6.93	1.27	0.289819	0.558085	AT5G59840	Ras-related protein Rab-8A
13399999	7.28	6.96	1.25	0.361478	0.5879	AT2G32730	26S proteasome regulatory subunit N2
13509497	7.28	7	1.21	0.421639	0.61811	AT5G42220	ubiquitin family protein
13437728	7.28	7.01	1.2	0.4833	0.653912	AT3G50520	phosphoglycerate mutase
13520357	7.28	7.14	1.1	0.721737	0.817459	SNRK2.3	serine/threonine-protein kinase SRK2I
13377104	7.28	7.16	1.08	0.223668	0.524399	HON5	high mobility group A5
13498173	7.28	7.18	1.07	0.658098	0.77355	PRA1.A2	PRA1 family protein A2
13446118	7.28	7.39	-1.07	0.336679	0.576994	AT3G07340	transcription factor bHLH62
13446821	7.28	7.64	-1.29	0.19827	0.508011	GSTU8	glutathione S-transferase TAU 8
13501043	7.28	7.69	-1.33	0.014492	0.313095	AT5G13500	hypothetical protein

13545391	7.28	8.49	-2.31	0.476964	0.650455	nad1	NADH dehydrogenase subunit 1
13344347	7.28	8.55	-2.42	0.373114	0.592386	AT1G24851	hypothetical protein
13477032	7.28	8.69	-2.66	0.000616	0.207323	AT4G33420	peroxidase
13422352	7.27	5.29	3.94	0.046668	0.377465	BOR1	boron transporter 1
13378553	7.27	6.15	2.18	0.053643	0.384062	ATHB-15	homeobox-leucine zipper protein ATHB-15
13468428	7.27	6.23	2.05	0.083812	0.417946	AT4G14270	Polyadenylate-binding protein-interacting protein 2
13488247	7.27	6.28	1.99	0.25936	0.542144	AGL19	agamous-like MADS-box protein AGL19
13356199	7.27	6.42	1.79	0.202326	0.510403	AT1G67560	lipoxygenase 6
13377943	7.27	6.48	1.73	0.074894	0.410503	AT1G50570	calcium-dependent lipid-binding domain-containing protein
13462253	7.27	6.52	1.69	0.070886	0.40759	AT3G59910	F-box/ankyrin repeat protein SKIP35
13535353	7.27	6.58	1.62	0.179413	0.494949	TUB4	tubulin beta-4 chain
13335639	7.27	6.68	1.51	0.159338	0.481801	EIF2 GAMMA	translation initiation factor eIF-2 gamma subunit
13422673	7.27	6.72	1.46	0.134328	0.463251	AT2G48160	Tudor/PWWP/MBT domain-containing protein
13499420	7.27	6.76	1.43	0.181903	0.496988	AT5G08680	ATP synthase subunit beta-3
13387975	7.27	6.8	1.39	0.092792	0.4297	sks5	SKU5 similar 5 protein
13337929	7.27	6.87	1.32	0.092467	0.429659	AT1G09390	GDSL esterase/lipase
13493701	7.27	7	1.2	0.006129	0.280665	CAT2	catalase 2
13348312	7.27	7.18	1.06	0.474003	0.648623	AT1G36380	hypothetical protein
13342166	7.27	8.21	-1.92	0.061658	0.398106	JAZ1	protein TIFY 10A
13487029	7.27	8.73	-2.74	0.040382	0.365651	AT4G19810	Glycosyl hydrolase family protein with chitinase insertion domain
13501728	7.26	6.15	2.15	0.121378	0.452303	WRKY72	putative WRKY transcription factor 72
13499749	7.26	6.19	2.1	0.083458	0.417888	NRPB4	DNA-directed RNA polymerase II subunit D
13385573	7.26	6.59	1.59	0.277995	0.552613	AT1G69980; TUB2; TUB3	hypothetical protein; tubulin beta-2/beta-3 chain
13393496	7.26	6.66	1.52	0.195189	0.506222	TRN1	transportin 1
13457094	7.26	6.67	1.51	0.282721	0.555512	AT3G47370	40S ribosomal protein S20-2
13403076	7.26	6.82	1.36	0.207638	0.513587	AT2G40060	Clathrin light chain protein
13405819	7.26	6.86	1.32	0.184309	0.498908	CNGC12	cyclic nucleotide gated channel
13393019	7.26	6.89	1.29	0.106844	0.439124	AT2G14835	RING/U-box domain-containing protein
13526876	7.26	7.02	1.18	0.357345	0.584894	AT5G16280	hypothetical protein
13351307	7.26	7.12	1.1	0.446031	0.633545	AT1G52600	signal peptidase, endoplasmic reticulum-type
13517167	7.26	7.12	1.1	0.535244	0.689294	VIP2	VIRE2 interacting protein 2
13405024	7.26	7.21	1.03	0.92911	0.956909	AT2G44670	hypothetical protein
13423808	7.26	7.22	1.02	0.93021	0.957512	BGLU25	putative inactive beta-glucosidase 25
13441605	7.26	7.49	-1.17	0.526747	0.683898	BGLU16	beta glucosidase 16
13367532	7.26	7.54	-1.21	0.273597	0.550217	AAPT1	ethanolaminephosphotransferase
13400999	7.25	5.69	2.94	0.113647	0.444631	GIK	putative AT-hook DNA-binding protein
13527351	7.25	5.71	2.9	0.029274	0.348027	RVE1	myb family transcription factor
13348705	7.25	5.74	2.83	0.002365	0.253459	TED6	tracheary element differentiation-related 6 protein
13342837	7.25	5.84	2.65	0.139418	0.466238	AT1G21050	hypothetical protein
13428618	7.25	6.12	2.19	0.034722	0.355201	AT3G15380	Plasma-membrane choline transporter family protein
13434531	7.25	6.26	1.98	0.043908	0.373332	AT3G29180	hypothetical protein

13433319	7.25	6.33	1.89	0.047076	0.377606	AT3G25910	hypothetical protein
13449800	7.25	6.37	1.84	0.180397	0.495835	AT3G15480	hypothetical protein
13475347	7.25	6.6	1.57	0.057087	0.391414	AT4G29790	hypothetical protein
13534673	7.25	6.61	1.56	0.219826	0.521702	U2AF35B	Splicing factor U2af small subunit B
13476949	7.25	6.62	1.55	0.196157	0.507008	AT4G33080	AGC (cAMP-dependent, cGMP-dependent and protein kinase C) kinase family protein
13537718	7.25	6.62	1.55	0.227982	0.526027	AT5G50000	protein kinase
13509313	7.25	6.64	1.53	0.148675	0.471967	CIP1	COP1-interactive protein 1
13519174	7.25	6.81	1.36	0.256532	0.540874	BETA-UP	beta-ureidopropionase
13419796	7.25	6.82	1.35	0.014189	0.313095	AT2G41420	proline-rich uncharacterized protein
13532114	7.25	6.83	1.34	0.382389	0.597016	AT5G35080	protein OS-9
13504938	7.25	6.88	1.29	0.246848	0.535608	AT5G23535	50S ribosomal protein L24-like protein
13417288	7.25	6.98	1.2	0.499866	0.664975	XEG113	xyloglucanase 113
13505400	7.25	7.1	1.11	0.420512	0.617454	AT5G24670	cytidine/deoxycytidylate deaminase-like protein
13337478	7.25	7.15	1.08	0.698934	0.801792	ATRX	DEAD-like helicase domain-containing protein
13346286	7.25	7.18	1.05	0.88991	0.932245		
13359497	7.25	7.18	1.05	0.88991	0.932245		
13373579	7.25	7.18	1.05	0.88991	0.932245		
13387756	7.25	7.18	1.05	0.88991	0.932245		
13405641	7.25	7.18	1.05	0.88991	0.932245		
13442323	7.25	7.18	1.05	0.88991	0.932245		
13477668	7.25	7.18	1.05	0.88991	0.932245		
13478338	7.25	7.18	1.05	0.88991	0.932245		
13524005	7.25	7.18	1.05	0.88991	0.932245		
13538533	7.25	7.22	1.02	0.920116	0.951714	BAG1	BCL-2-associated athanogene 1
13459649	7.25	7.37	-1.09	0.210321	0.515531	AT3G53890	40S ribosomal protein S21-1
13513128	7.25	7.54	-1.23	0.059509	0.395017	AT5G50565; AT5G50665; AT5G50562	hypothetical protein
13431896	7.25	7.74	-1.4	0.087573	0.423538	PDF2	putative prefoldin subunit 2
13510178	7.24	5.81	2.69	0.069371	0.406403	ZLL	protein PINHEAD
13394920	7.24	5.87	2.58	0.002159	0.253459	AT2G20230	Tetraspanin family protein
13387816	7.24	5.97	2.4	0.012504	0.301412	GASA1	gibberellin-regulated protein 1
13414718	7.24	5.99	2.37	0.076151	0.410503	AT2G29995	Tyrosine-sulfated glycopeptide 3
13489165	7.24	6.1	2.19	0.131982	0.46218	AT4G24840	hypothetical protein
13464630	7.24	6.22	2.02	0.093058	0.429815	AT4G02010	protein kinase family protein
13496524	7.24	6.26	1.97	0.064526	0.401382	PRT6	proteolysis 6
13443125	7.24	6.32	1.9	0.134095	0.463251	AT3G01260	aldose 1-epimerase domain-containing protein
13362508	7.24	6.35	1.85	0.19762	0.507784	AT1G02890	AAA-type ATPase-like protein
13401274	7.24	6.46	1.71	0.241691	0.53362	AT2G35810	hypothetical protein
13525229	7.24	6.48	1.69	0.061337	0.398106	SEC10	exocyst complex component 5
13354040	7.24	6.49	1.68	0.120655	0.452158	SC3	secretory carrier-associated membrane protein 3
13430002	7.24	6.59	1.58	0.002082	0.253459	AT3G18230	octicosapeptide/Phox/Bem1p domain-containing protein
13334158	7.24	6.63	1.52	0.119965	0.451029	NAC001	NAC domain-containing protein 1
13535132	7.24	6.68	1.48	0.345681	0.58045	MYA2	myosin 2

13427599	7.24	6.69	1.46	0.396112	0.603875	AT3G13340	transducin/WD40 domain-containing protein
13365461	7.24	6.76	1.4	0.134655	0.463251	AT1G09130	ATP-dependent Clp protease proteolytic subunit-related protein 3
13400274	7.24	6.79	1.37	0.159663	0.481906	AT2G33490	hydroxyproline-rich glycoprotein-like protein
13518717	7.24	6.82	1.34	0.355704	0.584584	AT5G63280	C2H2-like zinc finger protein
13484345	7.24	6.91	1.26	0.30354	0.564225	AT4G14145	hypothetical protein
13526339	7.24	6.91	1.26	0.24847	0.536487	SNL2	paired amphipathic helix protein Sin3-like 2
13358602	7.24	6.93	1.24	0.010298	0.296261	AT1G73180	eukaryotic translation initiation factor eIF2A-like protein
13426598	7.24	7.02	1.16	0.139012	0.466075	AT3G10760	myb family transcription factor
13419414	7.24	7.11	1.09	0.602321	0.733846	AT2G40430	hypothetical protein
13543080	7.24	7.12	1.09	0.452801	0.636795	UVR8	protein UV-B resistance 8
13461062	7.24	7.13	1.08	0.543332	0.694489	NAP57	H/ACA ribonucleoprotein complex subunit 4
13539370	7.24	7.19	1.03	0.848446	0.90459	PHOS32	universal stress protein (USP) family protein
13491073	7.24	7.28	-1.03	0.900494	0.938853	AT4G29390; AT5G56670; AT2G19750	40S ribosomal protein S30
13519846	7.24	7.31	-1.05	0.829511	0.891658	NFS1	cysteine desulfurase 1
13527409	7.24	7.62	-1.3	0.400242	0.60596	AT5G17380	2-hydroxyacyl-CoA lyase
13522733	7.23	4.39	7.2	0.022095	0.326278	AT5G06570	alpha/beta hydrolase fold-containing protein
13375066	7.23	5.68	2.94	0.073355	0.409469	AT1G33050; AT1G33055	hypothetical protein
13496995	7.23	5.79	2.71	0.098437	0.433275	CDC25	dual specificity phosphatase Cdc25
13494467	7.23	5.83	2.63	0.057117	0.391414	GBF1; HVA22K	G-box binding factor 1; HVA22-like protein k
13356552	7.23	6.09	2.21	0.012981	0.304634	AT1G68230	reticulon-like protein B14
13475188	7.23	6.1	2.18	0.101496	0.435311	PRF4	profilin 4
13509408	7.23	6.19	2.06	0.093841	0.430403	AT5G41970	Metal-dependent protein hydrolase
13502320	7.23	6.3	1.91	0.061109	0.39761	TIC40	hydroxyproline-rich glycoprotein family protein
13358333	7.23	6.4	1.77	0.133779	0.463251	AT1G72510	hypothetical protein
13373938	7.23	6.46	1.71	0.073301	0.409291	RPL18AA; AT1G29965	60S ribosomal protein L18a-1; Ribosomal protein L18ae/LX family protein
13474603	7.23	6.49	1.67	0.033697	0.354018	AT4G28300	hypothetical protein
13397987	7.23	6.52	1.63	0.206227	0.51293	AT2G27900; SCPL51	hypothetical protein; serine carboxypeptidase-like 51
13507292	7.23	6.58	1.57	0.170144	0.48812	AT5G35460	hypothetical protein
13482073	7.23	6.66	1.49	0.12484	0.453926	AT4G07410	transducin/WD40 domain-containing protein
13518400	7.23	6.72	1.42	0.383665	0.597749	UBC3	ubiquitin-conjugating enzyme E2 3
13457341	7.23	6.74	1.41	0.289943	0.558152	AT3G48050	BAH and TFIIS domain-containing protein
13518223	7.23	6.76	1.38	0.359331	0.586108	AGL42	protein agamous-like 42
13513508	7.23	6.78	1.36	0.36164	0.587904	AT5G51340	cohesin-load domain-containing protein
13460599	7.23	6.8	1.35	0.101773	0.435397	AT3G56050	Protein kinase family protein
13384789	7.23	6.83	1.32	0.272842	0.549686	MAP70-1	microtubule-associated proteins 70-1
13427024	7.23	6.86	1.29	0.067378	0.405555	AT3G11930	adenine nucleotide alpha hydrolases-like protein
13423967	7.23	6.89	1.27	0.131303	0.461232	ECT1	hypothetical protein
13448029	7.23	6.97	1.2	0.48355	0.654109	PUB24	plant U-box 24 protein
13336892	7.23	7.03	1.15	0.460017	0.641243	AT1G07210	Ribosomal protein S18
13519780	7.23	7.02	1.15	0.707839	0.807922	AT5G65620	Zincin-like metalloproteases family protein

13515433	7.23	7.34	-1.08	0.495921	0.662441	AT5G55660	DEK domain-containing chromatin associated protein
13456852	7.23	7.46	-1.17	0.48883	0.657764	AT3G46700	glucuronosyl transferase-like protein
13421692	7.23	7.51	-1.22	0.604575	0.735563	AGL20	MADS-box protein SOC1
13514002	7.22	5.39	3.54	0.003733	0.256484		
13374492	7.22	5.71	2.85	0.065105	0.401596	AT1G31440	SH3 domain-containing protein
13349840	7.22	5.96	2.38	0.187377	0.501922	AT1G49050	aspartyl protease
13438038	7.22	6.35	1.82	0.130043	0.459898	AT3G51370	putative protein phosphatase 2C 46
13530444	7.22	6.4	1.77	0.25172	0.538552	TIP	TCV-interacting protein
13519224	7.22	6.42	1.74	0.19358	0.505856	FAAH	fatty acid amide hydrolase
13481477	7.22	6.45	1.71	0.077409	0.412497	ATHM2	thioredoxin M2
13494308	7.22	6.49	1.66	0.177061	0.4933	AT4G36440	hypothetical protein
13465810	7.22	6.6	1.54	0.156024	0.47881	DER2.2	derlin-2.2
13475890	7.22	6.62	1.52	0.198378	0.508119	DCAF1	DDB1- and CUL4-associated factor-1
13379459	7.22	6.64	1.5	0.17235	0.489773	NHX5; TAF6B	sodium hydrogen exchanger 5; TBP-associated factor 6B
13389084	7.22	6.64	1.49	0.208454	0.514086	AT1G78780	pathogenesis-related protein
13343207	7.22	6.65	1.48	0.178903	0.494636	PIP5K1	phosphatidylinositol-4-phosphate 5-kinase 1
13500813	7.22	6.67	1.46	0.047461	0.37767	AT5G13030	hypothetical protein
13488138	7.22	6.69	1.45	0.360258	0.586939	AT4G22740	glycine-rich protein
13468218	7.22	6.7	1.43	0.43834	0.62848	AT4G13615	hypothetical protein
13371049	7.22	6.74	1.4	0.382372	0.597016	AT1G21900	emp24/gp25L/p24 family/GOLD domain-containing protein
13457386	7.22	6.78	1.36	0.372241	0.591916	ALDH10A9	betaine aldehyde dehydrogenase 2
13334204	7.22	6.84	1.3	0.177572	0.493515	GIF2; AT1G01170	GRF1-interacting factor 2; hypothetical protein
13481749	7.22	6.86	1.29	0.265113	0.545766	NSF	vesicle-fusing ATPase
13470017	7.22	6.87	1.27	0.364724	0.589444	AT4G17620	protein Dom3z-like protein
13475179	7.22	6.91	1.24	0.359029	0.586038	DER1	derlin-1
13524551	7.22	6.92	1.23	0.55746	0.704094	ER	putative enhancer of rudimentary protein
13431971	7.22	6.98	1.18	0.485665	0.655263	AT3G22845	emp24/gp25L/p24 family/GOLD domain-containing protein
13508386	7.22	6.98	1.18	0.43191	0.624351	GNL1	protein GNOM-like 1
13426644	7.22	6.99	1.17	0.410744	0.612016	AT3G10860	Cytochrome b-c1 complex, subunit 8 protein
13413731	7.22	7.03	1.15	0.448318	0.634904	AT2G27310	F-box protein
13447046	7.22	7.18	1.02	0.69404	0.798287	AT3G09770	RING/U-box domain-containing protein
13474416	7.22	7.28	-1.05	0.901479	0.939612	AT4G27870	vacuolar iron transporter-like protein
13380766	7.22	7.3	-1.06	0.702009	0.803803	ATP-PRT1	ATP phosphoribosyl transferase 1
13364238	7.22	7.39	-1.13	0.560959	0.706587	AT1G06550	3-hydroxyisobutyryl-CoA hydrolase-like protein 5
13365099	7.22	7.51	-1.22	0.265694	0.546159	AXS2	UDP-apiose/xylose synthase
13545110	7.22	8.11	-1.85	0.611548	0.740956	ArthMp013	hypothetical protein
13545231	7.22	9.04	-3.53	0.216961	0.520001	ArthMp002	hypothetical protein
13345000	7.21	5.75	2.76	0.056559	0.389748	AT1G27150	StaR-like protein domain-containing protein
13433419	7.21	6.21	1.99	0.053394	0.383838	RGS1	regulator of G-protein signaling 1
13345384	7.21	6.32	1.85	0.166008	0.486235	DPL1	Sphingosine-1-phosphate lyase
13402356	7.21	6.47	1.67	0.167764	0.48697	SCAR2	protein SCAR2
13416996	7.21	6.5	1.64	0.101896	0.435413	IMB1	Transcription factor GTE6
13507162	7.21	6.5	1.64	0.160886	0.483101	AT5G35160	endomembrane family protein 70
13449211	7.21	6.56	1.57	0.13901	0.466075	AT3G13990	hypothetical protein

13485817	7.21	6.59	1.54	0.318357	0.569572	CLPR4	ATP-dependent Clp protease proteolytic subunit-related protein 4
13473053	7.21	6.61	1.52	0.006483	0.282667	AT4G24630	putative S-acyltransferase
13540753	7.21	6.69	1.43	0.321883	0.571488	UBP23	ubiquitin carboxyl-terminal hydrolase 23
13510345	7.21	6.72	1.41	0.210585	0.515825	AT5G44180	Homeodomain-like transcriptional regulator
13487156	7.21	6.72	1.4	0.117671	0.447676	AT4G20150	hypothetical protein
13516773	7.21	6.75	1.37	0.136539	0.465256	AT5G58560; AT5G58570	putative phytol kinase 2; hypothetical protein
13535106	7.21	6.78	1.35	0.172696	0.490135	ARD4	1,2-dihydroxy-3-keto-5-methylthiopentene dioxygenase 4
13521280	7.21	6.83	1.3	0.5104	0.672386	AT5G02530	THO complex subunit 4
13466241	7.21	6.97	1.18	0.494114	0.661014	ORP1C	OSBP(oxysterol binding protein)-related protein 1C
13461671	7.21	6.98	1.17	0.034061	0.354099	AT3G58580	carbon catabolite repressor protein 4-like 2
13412767	7.21	7.03	1.13	0.609361	0.739246	AT2G25320	TRAF-like protein
13472732	7.21	7.03	1.13	0.659424	0.774439	AT4G24060	Dof zinc finger protein DOF4.6
13408998	7.21	7.04	1.12	0.049532	0.378802	TIC21; AT2G15280	translocon at inner membrane of chloroplasts 21; reticulon-like protein B10
13477210	7.21	7.04	1.12	0.666803	0.778803	AT4G33920	putative protein phosphatase 2C 63
13420869	7.21	7.06	1.11	0.613774	0.742551	CHI	chitinase class 4-like protein
13532372	7.21	7.1	1.08	0.789102	0.863478	AT5G35735	putative auxin-responsive protein
13425612	7.21	7.22	-1.01	0.91331	0.947446	Hsp89.1	HEAT SHOCK PROTEIN 89.1
13496128	7.21	7.27	-1.04	0.870209	0.919424	AT5G01460	LMBR1-like membrane protein
13339733	7.21	7.3	-1.06	0.744066	0.831908	AT1G13730	nuclear transport factor 2 and RNA recognition motif domain-containing protein
13369815	7.21	7.72	-1.43	0.234803	0.529692	AT1G18720	hypothetical protein
13510310	7.21	8.14	-1.9	0.038768	0.364658	AT5G44060	hypothetical protein
13370444	7.21	8.91	-3.24	0.000558	0.207323	COR47	dehydrin COR47
13362022	7.2	5.58	3.09	0.038217	0.363017	AT1G01640	BTB/POZ domain-containing protein
13520225	7.2	5.99	2.31	0.040212	0.365591	DAR5	DA1-related protein 5
13427803	7.2	6.11	2.14	0.112258	0.443356	BGAL1	beta galactosidase 1
13337242	7.2	6.25	1.92	0.09584	0.431773	VPS41	vacuolar protein sorting-associated protein 41-like protein
13468095	7.2	6.42	1.72	0.080657	0.415438	AT4G13270	late embryogenesis abundant hydroxyproline-rich glycoprotein
13390254	7.2	6.49	1.64	0.081696	0.416797	PLMT	phospholipid N-methyltransferase
13368265	7.2	6.57	1.54	0.090983	0.427987	AT1G15130	programmed cell death 6-interacting protein
13504106	7.2	6.58	1.54	0.118107	0.448003	JAZ12	protein TIFY 3B
13417396	7.2	6.67	1.45	0.271254	0.548864	AT2G35880	TPX2 (targeting protein for Xklp2)-like protein
13429967	7.2	6.67	1.44	0.354303	0.5843	MOS4	Pre-mRNA-splicing factor SPF27-like protein
13362626	7.2	6.7	1.41	0.396246	0.60401	AT1G03040	transcription factor bHLH7
13369199	7.2	6.76	1.35	0.386818	0.598595	AT1G17520	Homeodomain-like/winged-helix DNA-binding protein
13513136	7.2	6.79	1.33	0.164341	0.485779	SAE1B	SUMO-activating enzyme subunit 1B
13425367	7.2	6.89	1.24	0.150027	0.472896	AT3G07170	Sterile alpha motif (SAM) domain-containing protein

13441014	7.2	7.16	1.03	0.007757	0.290374	AT3G58700; AT5G45775; RPL16B	60S ribosomal protein L11-2
13464866	7.2	7.21	-1.01	0.963187	0.978246	AT4G02340	putative epoxide hydrolase
13534686	7.2	7.81	-1.53	0.318235	0.569548	AT5G42860	hypothetical protein
13354462	7.2	7.87	-1.6	0.127083	0.456791	AT1G62660	beta-fructofuranosidase
13544884	7.2	9.23	-4.08	0.018122	0.319749	psbH	photosystem II reaction center protein H
13464482	7.19	5.02	4.49	0.003404	0.253459	EXPA17	putative expansin-A17
13404653	7.19	5.28	3.77	0.019922	0.322692	UGT74F2	UDP-glucosyltransferase 74F2
13541709	7.19	5.53	3.16	0.049857	0.379205	PDX2	Pyridoxal biosynthesis protein PDX2
13341812	7.19	5.92	2.41	0.07689	0.411576	MYB51	myb domain protein 51
13350693	7.19	6.06	2.18	0.094889	0.431292	AT1G51200	zinc finger A20 and AN1 domain-containing stress-associated protein 2
13378880	7.19	6.23	1.95	0.17389	0.490907	KDSB	3-deoxy-manno-octulosonate cytidylyltransferase (CMP-KDO synthetase)
13518519	7.19	6.23	1.95	0.12123	0.45228	HIR1	Hypersensitive-induced response protein 1
13504737	7.19	6.25	1.92	0.127155	0.456867	AT5G23110	C3HC4-type RING finger domain-containing protein
13515855	7.19	6.32	1.83	0.310468	0.566973	ILL2	IAA-amino acid hydrolase ILR1-like 2
13470501	7.19	6.35	1.78	0.096436	0.432654	AT4G18692; AT3G53342; AT1G55710; AT3G53630	hypothetical protein
13385560	7.19	6.53	1.58	0.315069	0.568201	PP2A	serine/threonine-protein phosphatase PP2A-5 catalytic subunit
13448145	7.19	6.59	1.52	0.025436	0.335434	AT3G12030	hypothetical protein
13427289	7.19	6.61	1.49	0.241328	0.533548	AT3G12630	zinc finger A20 and AN1 domain-containing stress-associated protein 5
13535548	7.19	6.66	1.45	0.179955	0.495546	CHR4	chromatin remodeling 4 protein
13480382	7.19	6.68	1.43	0.012167	0.301412	GT72B1	hydroquinone glucosyltransferase
13411214	7.19	6.72	1.38	0.19074	0.50408	AT2G21120	hypothetical protein
13493477	7.19	6.74	1.37	0.232845	0.528669	CAP1	cyclase associated protein 1
13528881	7.19	6.75	1.36	0.150244	0.473213	AT5G20840	Phosphoinositide phosphatase family protein
13393618	7.19	6.85	1.27	0.266943	0.546486	LYM2	LysM domain-containing GPI-anchored protein 2
13500481	7.19	6.88	1.24	0.53322	0.687982	AT5G11710	clathrin interactor EPSIN 1
13372639	7.19	6.93	1.2	0.462015	0.642617	UPS5	ureide permease 5
13423867	7.19	6.95	1.19	0.58164	0.721238	AT3G03773	HSP20-like chaperon-like protein
13468654	7.19	7.01	1.13	0.683254	0.790251	PBD2	proteasome subunit beta type-2-B
13387476	7.19	7.15	1.03	0.949845	0.970072	TIFY10B	protein TIFY 10B
13432735	7.19	7.16	1.02	0.880632	0.926961	AT3G24490	alcohol dehydrogenase transcription factor myb/SANT-like protein
13515836	7.19	7.46	-1.2	0.593089	0.728686	PFK7	6-phosphofructokinase 7
13408562	7.19	7.98	-1.73	0.026429	0.338646	AT2G12400	hypothetical protein
13422933	7.18	6.21	1.96	0.144292	0.46947	RGLG1	E3 ubiquitin-protein ligase RGLG1
13439753	7.18	6.21	1.95	0.034016	0.354099	PBL1	PBS1-like 1 kinase
13477325	7.18	6.36	1.77	0.01436	0.313095	AT4G34100	RING/U-box domain-containing protein
13357684	7.18	6.37	1.75	0.098528	0.433275	FAB1C	1-phosphatidylinositol-4-phosphate 5-kinase
13449449	7.18	6.45	1.67	0.08997	0.427018	UBP25	ubiquitin carboxyl-terminal hydrolase 25

13466273	7.18	6.51	1.59	0.108718	0.440715	AT4G08280	thioredoxin fold-containing protein
13493932	7.18	6.6	1.49	0.176623	0.49304	AT4G35780	ACT-like protein tyrosine kinase family protein
13526244	7.18	6.63	1.46	0.212895	0.517954	AT5G14680	universal stress protein (USP) family protein
13366447	7.18	6.66	1.44	0.27736	0.552045	AT1G10900	1-phosphatidylinositol-4-phosphate 5-kinase
13379231	7.18	6.67	1.43	0.366767	0.590246	AT1G53780; AT1G53785	26S proteasome regulatory subunit T1; hypothetical protein
13387353	7.18	6.7	1.4	0.341844	0.578744	MIF1	mini zinc finger 1
13536532	7.18	6.75	1.35	0.429846	0.622872	AT5G47430	DWNN domain, a CCHC-type zinc finger
13390024	7.18	6.8	1.3	0.201648	0.510189	AT1G80360	pyridoxal phosphate dependent transferase-like protein
13399041	7.18	6.84	1.27	0.606699	0.737142	AT2G30740	protein kinase-like protein
13395644	7.18	6.85	1.26	0.342423	0.579015	RNR1	ribonucleoside-diphosphate reductase subunit M1
13369149	7.18	6.93	1.19	0.542939	0.69434	EER4	Transcription initiation factor TFIID subunit A
13409308	7.18	7.04	1.11	0.733065	0.825433	AT2G16485	DNA binding / nucleic acid binding / protein binding / zinc ion binding protein
13433702	7.18	7.03	1.11	0.16398	0.485532	AT3G26780	putative fructose-2,6-bisphosphatase
13444139	7.18	7.07	1.07	0.81041	0.878653	AT3G03560; COPT1	hypothetical protein; copper transporter 1
13437538	7.18	7.11	1.05	0.886997	0.930765	PSK4	phytosulfokine-beta
13386888	7.18	7.14	1.03	0.91115	0.946213	AT1G73490	RNA recognition motif-containing protein
13481681	7.18	7.23	-1.03	0.913214	0.947446	ABC1	UPF0051 protein ABCI8
13469490	7.18	8.27	-2.13	0.223081	0.524154		
13428182	7.17	5.88	2.46	0.018312	0.321306	CYP72A7	cytochrome P450, family 72, subfamily A, polypeptide 7
13436338	7.17	5.94	2.34	0.02229	0.326551	PLC9	phosphoinositide phospholipase C9
13422974	7.17	6	2.26	0.007781	0.290374	AT3G01690	alpha/beta-hydrolase domain-containing protein
13480611	7.17	6.02	2.21	0.074251	0.410257	AT4G01650	Polyketide cyclase / dehydrase and lipid transport protein
13520112	7.17	6.07	2.15	0.027051	0.340635	AT5G66240	transducin/WD40 domain-containing protein
13406995	7.17	6.07	2.14	0.048447	0.37767	WOL	histidine kinase 4
13377033	7.17	6.2	1.96	0.059909	0.395198	AT1G48490	protein kinase domain-containing protein
13544124	7.17	6.36	1.75	0.113483	0.444631	AT5G66120	putative 3-dehydroquinate synthase
13425639	7.17	6.37	1.74	0.077837	0.413069	AT3G07790	protein DGCR14
13393740	7.17	6.44	1.66	0.292142	0.559482	AKR2B	ankyrin repeat-containing 2B
13515059	7.17	6.46	1.63	0.124089	0.453788	AT5G54750	Transport protein particle (TRAPP) component
13529554	7.17	6.46	1.63	0.130046	0.459898	alpha-ADR	AP-2 complex subunit alpha-1
13444562	7.17	6.61	1.47	0.144005	0.469307	AT3G04500	RNA recognition motif-containing protein
13479034	7.17	6.73	1.36	0.184215	0.49884	AT4G38200	SEC7-like guanine nucleotide exchange family protein
13521517	7.17	6.73	1.35	0.425169	0.620343	AT5G03430	phosphoadenosine phosphosulfate (PAPS) reductase family protein
13479206	7.17	6.76	1.32	0.176345	0.492715	AT4G38500; AT4G38495; AT4G38510	hypothetical protein; INO80 complex subunit C; V-type proton ATPase subunit B2
13445921	7.17	6.79	1.3	0.124917	0.454089	AT3G07050	putative GTP-binding protein
13525161	7.17	6.8	1.3	0.253063	0.539162	TUB6	tubulin beta-6 chain

13480228	7.17	6.85	1.24	0.212357	0.517549	AT4G00740	putative methyltransferase PMT13
13385308	7.17	6.87	1.23	0.107268	0.4394	WRKY57	putative WRKY transcription factor 57
13447948	7.17	6.88	1.22	0.245405	0.535223	ATKRS-1	Lysyl-tRNA synthetase
13384690	7.17	6.98	1.14	0.702776	0.804296	AT1G67785	hypothetical protein
13403801	7.17	6.99	1.13	0.028802	0.347391	GPT	UDP-glcnac-adolichol phosphate glcnac-1-p-transferase
13345312	7.17	7.09	1.05	0.811262	0.879122	SAT32	Interferon-related developmental regulator domain-containing protein
13348886	7.17	7.1	1.05	0.699132	0.801866	PRP40A	pre-mRNA-processing protein 40A
13493961	7.17	7.26	-1.06	0.802244	0.872514	PLDDELTA	phospholipase D delta
13496336	7.17	7.55	-1.31	0.085626	0.420651	AT5G01870	non-specific lipid-transfer protein 10
13484233	7.17	7.72	-1.46	0.194276	0.505856	SHM4	serine hydroxymethyltransferase 4
13498809	7.17	7.9	-1.66	0.177655	0.493527	GDH2	glutamate dehydrogenase 2
13545060	7.17	7.95	-1.72	0.536311	0.689889	ndhF	NADH dehydrogenase subunit 5
13545126	7.17	8.53	-2.56	0.34084	0.578363	ArthMp030; ArthMp029	hypothetical protein
13454457	7.16	6.11	2.08	0.10918	0.440715	GC6	golgin candidate 6
13338744	7.16	6.17	2	0.046932	0.377465	STP1	sugar transporter 1
13356740	7.16	6.2	1.95	0.174643	0.491793	AT1G68820	Transmembrane Fragile-X-F-associated protein
13481154	7.16	6.21	1.93	0.142163	0.468311	AT4G02860	Phenazine biosynthesis PhzC/PhzF protein
13526116	7.16	6.31	1.8	0.125072	0.454106	AT5G14520	pescadillo-related protein
13369607	7.16	6.35	1.76	0.102936	0.435908	AT1G18260	Hr.3 like protein
13496486	7.16	6.37	1.73	0.166311	0.486355	AT5G02240	NAD(P)-binding Rossmann-fold containing protein
13495885	7.16	6.39	1.71	0.080498	0.415097	UBP3	ubiquitin carboxyl-terminal hydrolase 3
13428646	7.16	6.45	1.63	0.082483	0.417792	AT3G15410	leucine-rich repeat-containing protein
13399423	7.16	6.48	1.6	0.252459	0.538793	SAD2	Importin 7-like protein URM9
13421510	7.16	6.54	1.53	0.097995	0.433275	GOS12	Golgi SNARE 12 protein
13495607	7.16	6.59	1.49	0.007396	0.289182	AT4G39140	RING/U-box domain-containing protein
13454383	7.16	6.7	1.37	0.216256	0.519792	PUX1	plant UBX domain-containing protein 1
13514991	7.16	6.72	1.36	0.342119	0.578865	AT5G54580	RNA recognition motif-containing protein
13495153	7.16	6.84	1.25	0.057024	0.391414	AT4G38260; AT4G38250; GAUT3	hypothetical protein; Transmembrane amino acid transporter family protein; galacturonosyltransferase 3
13370349	7.16	6.88	1.22	0.097384	0.433165	EMB2719	26S proteasome regulatory subunit N3
13467427	7.16	6.9	1.2	0.588872	0.72664	AT4G11380	beta-adaptin-like protein B
13455978	7.16	6.94	1.17	0.519801	0.678764	CEF	transport protein sec24-like CEF
13479065	7.16	6.95	1.16	0.084012	0.417946	AT4G38250	Transmembrane amino acid transporter family protein
13477875	7.16	7	1.12	0.604158	0.73518	CPK5	calmodulin-domain protein kinase 5
13544090	7.16	7.02	1.1	0.558112	0.704585	AT5G66050	Wound-responsive family protein
13497605	7.16	7.15	1.01	0.973676	0.984744	AT5G04800	40S ribosomal protein S17-4
13402403	7.16	7.27	-1.07	0.348789	0.58093	AT2G38550	Transmembrane proteins 14C
13493878	7.16	7.3	-1.1	0.557392	0.704081	HMGB5	high mobility group B5 protein
13506626	7.16	7.63	-1.38	0.174211	0.491316	emb1644	U6 snRNA-associated Sm-like protein LSm4
13466579	7.16	7.77	-1.52	0.178079	0.494072	AGP10	arabinogalactan protein 10
13437818	7.16	7.97	-1.76	0.199785	0.509135		
13499915	7.16	9.34	-4.52	0.23054	0.527676	AT5G10340	F-box protein

13470423	7.15	3.96	9.12	0.005633	0.27943	CLE2	protein CLAVATA3/ESR-related 2
13441570	7.15	5.2	3.87	0.034422	0.355201	AT3G60090	VQ motif-containing protein
13488651	7.15	6.27	1.85	0.093601	0.430403	TRH1	Potassium transporter 3
13373327	7.15	6.27	1.84	0.014232	0.313095	AT1G28410	hypothetical protein
13460031	7.15	6.32	1.77	0.029926	0.349851	FBL17	F-box/LRR-repeat protein 17
13422030	7.15	6.33	1.76	0.191586	0.504617	PI4K GAMMA 4	phosphoinositide 4-kinase gamma 4
13387855	7.15	6.35	1.74	0.236486	0.530655	VPS35B	vacuolar sorting protein 35
13360834	7.15	6.45	1.62	0.283529	0.555903	AT1G78890	hypothetical protein
13516049	7.15	6.47	1.6	0.071297	0.408234	AT5G57070	hydroxyproline-rich glycoprotein family protein
13368157	7.15	6.49	1.58	0.225853	0.524988	AT1G14910	putative clathrin assembly protein
13359076	7.15	6.51	1.56	0.02762	0.343339	AT1G74250	DNAJ heat shock N-terminal domain-containing protein
13484782	7.15	6.53	1.53	0.053575	0.383984	AT4G14900	FRIGIDA-like protein
13453721	7.15	6.55	1.51	0.244344	0.534851	PP2AA2	protein phosphatase 2A subunit A2
13482057	7.15	6.59	1.48	0.190486	0.503959	AT4G06744	Leucine-rich repeat-containing protein
13404374	7.15	6.6	1.47	0.215998	0.519767		
13370193	7.15	6.61	1.45	0.285441	0.556418	AT1G19835	filament-like plant protein 4
13415987	7.15	6.63	1.43	0.068107	0.406286	BGAL9	beta galactosidase 9
13474647	7.15	6.67	1.39	0.286644	0.557153	AT4G28400; AT4G28405	putative protein phosphatase 2C 58; hypothetical protein
13351360	7.15	6.73	1.34	0.215733	0.519638	LysoPL2	lysophospholipase 2
13420460	7.15	6.8	1.27	0.381405	0.596438	PPC2	phosphoenolpyruvate carboxylase 2
13462291	7.15	6.83	1.26	0.13804	0.46568	MAP2B	methionine aminopeptidase 2B
13335653	7.15	6.82	1.25	0.308594	0.566484	AT1G04200	hypothetical protein
13405853	7.15	6.92	1.17	0.482085	0.653323	AT2G46520	exportin-2
13376059	7.15	7.07	1.06	0.64459	0.763354	LCV2	like COV 2 protein
13477757	7.15	7.1	1.04	0.894508	0.935176	AT4G34960	Cyclophilin-like peptidyl-prolyl cis-trans isomerase family protein
13340172	7.15	7.24	-1.06	0.743996	0.831908	AT1G14780; RDR1	MAC/Perforin domain-containing protein; RNA-dependent RNA polymerase 1
13521320	7.15	7.24	-1.06	0.864522	0.915454	AT5G02770	hypothetical protein
13503312	7.15	7.31	-1.12	0.662018	0.775846	AILP1	aluminum induced protein with YGL and LRDR motifs
13397957	7.15	7.58	-1.34	0.36183	0.587911	HDT4	histone deacetylase HDT4
13430534	7.15	7.89	-1.67	0.251744	0.538552	AT3G19390	Granulin repeat cysteine protease family protein
13507908	7.15	8.09	-1.92	0.02417	0.332298	AT5G38000	2-alkenal reductase
13445533	7.14	4.92	4.66	0.01205	0.301412	AT3G06435	hypothetical protein
13413242	7.14	6.11	2.04	0.066441	0.403288	RCY1	cyclin-L1-1
13423458	7.14	6.34	1.74	0.024287	0.332788	AT3G02720	class I glutamine amidotransferase-like domain-containing protein
13461698	7.14	6.34	1.74	0.186483	0.500853	AT3G58640	Mitogen activated protein kinase kinase kinase-like protein
13513637	7.14	6.36	1.72	0.070488	0.406937	AT5G51570	Hypersensitive-induced response protein 4
13350125	7.14	6.54	1.52	0.298375	0.562461	MTK	S-methyl-5-thioribose kinase
13404266	7.14	6.55	1.5	0.165828	0.486235	AT2G42910	ribose-phosphate pyrophosphokinase 4
13519979	7.14	6.57	1.48	0.080126	0.414375	AT5G65980	auxin efflux carrier family protein
13451410	7.14	6.62	1.44	0.093688	0.430403	AT3G19630	radical SAM domain-containing protein
13516490	7.14	6.7	1.35	0.381907	0.59674	AT5G58110	chaperone binding / ATPase activator

13390712	7.14	6.72	1.34	0.488978	0.657839	AT2G02050	putative NADH-ubiquinone oxidoreductase B18 subunit
13541537	7.14	6.78	1.29	0.452193	0.636608	AT5G59960	hypothetical protein
13487609	7.14	6.82	1.25	0.149094	0.471967	VPS28-1	vacuolar protein sorting-associated protein 28-1
13402064	7.14	6.84	1.23	0.209615	0.514872	AT2G37760	NAD(P)-linked oxidoreductase-like protein
13495949	7.14	6.84	1.23	0.4649	0.644028	AT4G40030; AT5G10980; AT4G40040	histone H3
13506492	7.14	6.83	1.23	0.497648	0.663633	MIRO1	MIRO-related GTP-ase 1
13472335	7.14	6.87	1.2	0.457844	0.639713	CRK19	cysteine-rich receptor-like protein kinase 19
13490985	7.14	6.88	1.19	0.149669	0.47255	PAP2	auxin-responsive protein IAA27
13535413	7.14	6.89	1.19	0.595411	0.730182	TAO1	target of AVRB operation1 protein
13420927	7.14	6.91	1.17	0.394046	0.602623	OASB	cysteine synthase
13359133	7.14	7.07	1.04	0.349656	0.581397	AT1G74458	hypothetical protein
13496908	7.14	7.09	1.04	0.725221	0.819957	ADK2	adenosine kinase 2
13536665	7.14	7.09	1.04	0.845428	0.902584	AT5G47730; AT5G47720	putative sec14p-like phosphatidylinositol transfer protein; putative acetyl-CoA acetyltransferase, cytosolic 2
13367276	7.14	7.24	-1.07	0.602329	0.733846	AT1G13000	hypothetical protein
13374946	7.14	7.24	-1.07	0.737632	0.828047	AT1G32690	hypothetical protein
13351642	7.14	7.3	-1.12	0.749887	0.836026	AT1G53430	Leucine-rich repeat transmembrane protein kinase
13495420	7.14	7.65	-1.43	0.26997	0.548178	PRP4	proline-rich protein 4
13375973	7.14	8.37	-2.35	0.007589	0.290374	SKS6	SKU5 similar 6
13416852	7.13	5.09	4.09	0.002181	0.253459	PID	protein kinase-like protein
13428701	7.13	5.54	3.01	0.002683	0.253459	NAC2	NAC domain containing protein 2
13517677	7.13	6.21	1.9	0.066563	0.403684	OBP4	Dof zinc finger protein DOF5.4
13410722	7.13	6.23	1.86	0.081635	0.416797	CLASP	CLIP-associated protein
13465827	7.13	6.24	1.85	0.12884	0.458836	SFR6	sensitive to freezing 6 protein
13402923	7.13	6.38	1.68	0.169459	0.48788	HOS1	E3 ubiquitin-protein ligase HOS1
13340406	7.13	6.41	1.65	0.110178	0.441206	ATNTT2	ADP,ATP carrier protein 2
13472827	7.13	6.42	1.64	0.25636	0.540737	WRKY7	putative WRKY transcription factor 7
13489772	7.13	6.46	1.6	0.17421	0.491316	AT4G26190	haloacid dehalogenase-like hydrolase domain-containing protein
13459424	7.13	6.54	1.51	0.225396	0.524988	NF-YB10	nuclear transcription factor Y subunit B-10
13534399	7.13	6.55	1.49	0.002271	0.253459	ABIL4	protein ABIL4
13369033	7.13	6.59	1.46	0.246451	0.535608	UBP15	ubiquitin carboxyl-terminal hydrolase 15
13460020	7.13	6.62	1.43	0.146838	0.470962	TSA1	tryptophan synthase alpha chain
13374588	7.13	6.63	1.42	0.249645	0.537218	AT1G31660	putative bystin
13470794	7.13	6.64	1.41	0.252832	0.538903	VPS54	protein VPS54
13520379	7.13	6.65	1.4	0.293981	0.56034	AT5G66930	hypothetical protein
13495322	7.13	6.66	1.39	0.387383	0.598693	RPN10	26S proteasome non-ATPase regulatory subunit 4
13514030	7.13	6.66	1.38	0.319768	0.570569	AT5G52530	dentin sialophosphoprotein-related protein
13493081	7.13	6.68	1.37	0.193094	0.505792	KUP5	Potassium transporter 13
13365404	7.13	6.68	1.36	0.308781	0.566484	SNF4	sucrose nonfermenting 4-like protein
13543959	7.13	6.69	1.36	0.084538	0.418673	AT5G65910	BSD domain-containing protein
13351757	7.13	6.7	1.34	0.166627	0.486784	MSRB1	peptide methionine sulfoxide reductase B1
13353835	7.13	6.71	1.34	0.271638	0.548926	AT1G60670	hypothetical protein

13410404	7.13	6.7	1.34	0.271694	0.548926	EER5	proteasome-like protein
13459741	7.13	6.81	1.25	0.531088	0.686913	AT3G54100	O-fucosyltransferase family protein
13500614	7.13	6.84	1.22	0.435532	0.626734	AT5G12040	omega-amidase
13364491	7.13	6.86	1.2	0.512084	0.673562	AT1G07040	hypothetical protein
13365248	7.13	6.88	1.19	0.517947	0.677364	AT1G08580	hypothetical protein
13447281	7.13	6.89	1.18	0.653574	0.770191	AT3G10250	hypothetical protein
13455963	7.13	6.96	1.12	0.523852	0.681693	AT3G44280	hypothetical protein
13387109	7.13	7.08	1.04	0.830256	0.892184	AT1G73980	phosphoribulokinase/uridine kinase-like protein
13515956	7.13	7.07	1.04	0.846731	0.90332	AT5G56940	ribosomal protein S16 family protein
13423697	7.13	7.16	-1.02	0.893144	0.934262	UNE6	LUC7 related protein
13355724	7.13	7.28	-1.12	0.727132	0.821047	AT1G66180	aspartyl protease-like protein
13506707	7.13	7.37	-1.18	0.504469	0.66833	AT5G27850	60S ribosomal protein L18-3
13486881	7.12	5.83	2.44	0.118391	0.448503	AT4G19410; AT4G19400	Pectinacetylesterase family protein; Profilin family protein
13493456	7.12	6.16	1.95	0.103246	0.435922	AGB1	guanine nucleotide-binding protein subunit beta
13444108	7.12	6.26	1.82	0.211793	0.517231	PEX19-1	peroxin 19-1
13356928	7.12	6.37	1.69	0.179824	0.495459	AT1G69325	remorin-like protein
13345067	7.12	6.52	1.52	0.128817	0.458836	AT1G27290	hypothetical protein
13351525	7.12	6.71	1.32	0.399286	0.605217	ATMAP4K ALPHA1	map 4 kinase alpha1
13361691	7.12	6.73	1.31	0.0626	0.398416	AT1G80780	putative CCR4-associated factor 1-6
13529611	7.12	6.77	1.27	0.160439	0.482937	RER1	protein reticulata-related 1
13398846	7.12	6.97	1.12	0.544289	0.695241	AT2G30020	putative protein phosphatase 2C 25
13536190	7.12	7.04	1.06	0.675365	0.784777	KAS I	3-oxoacyl-[acyl-carrier-protein] synthase I
13525355	7.12	7.15	-1.03	0.930158	0.957493	AT5G12880	proline-rich family protein
13432619	7.12	7.27	-1.1	0.655361	0.771506	HSP60	chaperonin CPN60
13490230	7.12	7.29	-1.13	0.609005	0.738939	AT4G27120	DDRGK domain-containing protein 1
13407015	7.12	7.32	-1.15	0.727455	0.821284	PAP7	purple acid phosphatase 7
13524399	7.12	7.46	-1.27	0.132542	0.462428	PAS2	3-hydroxyacyl-CoA dehydratase PASTICCINO 2
13379087	7.12	7.48	-1.29	0.122306	0.452662	MPK18	mitogen-activated protein kinase 18
13437325	7.12	7.6	-1.39	0.126026	0.455241	PRXCB	peroxidase 34
13400867	7.12	7.83	-1.63	0.002777	0.253459		
13545617	7.12	7.91	-1.73	0.302141	0.563897	AT3G50250; AT4G19270	hypothetical protein
13348938	7.11	5.75	2.58	0.019788	0.322692	AT1G45015	MD-2-related lipid recognition domain-containing protein
13372930	7.11	5.82	2.46	0.08571	0.420651	GUT2	putative glycosyltransferase
13357290	7.11	6.11	2.01	0.171345	0.489309	AT1G70160	hypothetical protein
13543581	7.11	6.27	1.8	0.022037	0.326278	CPR5	protein CPR-5
13347710	7.11	6.27	1.79	0.149508	0.472457	NAC017	NAC domain containing protein 17
13514773	7.11	6.47	1.56	0.05343	0.383838	HGO; AT5G54090	homogentisate 1,2-dioxygenase; DNA mismatch repair protein MutS, type 2
13537702	7.11	6.48	1.55	0.158338	0.481042	AT5G49990	nucleobase-ascorbate transporter 5
13386407	7.11	6.48	1.54	0.387325	0.598693	JAZ6	protein TIFY 11B
13370307	7.11	6.54	1.48	0.168239	0.487067	AT1G20100	hypothetical protein
13361046	7.11	6.56	1.46	0.242765	0.534256	MC4	metacaspase 4
13474015	7.11	6.58	1.45	0.269002	0.547659	AT4G26870	aspartyl-tRNA synthetase

13346708	7.11	6.62	1.4	0.380975	0.596236	FEI1	leucine-rich repeat protein kinase-like protein
13445909	7.11	6.7	1.33	0.316818	0.568567	AT3G07030	Alba DNA/RNA-binding protein
13355421	7.11	6.73	1.3	0.411703	0.612911	AT1G65270	hypothetical protein
13393751	7.11	6.75	1.28	0.347024	0.58045	AT2G17410	ARID/BRIGHT DNA-binding domain-containing protein
13439545	7.11	6.82	1.22	0.090904	0.427987	PMR6	putative pectate lyase 13
13489599	7.11	6.82	1.22	0.223521	0.524399	AT4G25730	FtsJ-like methyltransferase family protein
13372714	7.11	6.84	1.21	0.386401	0.598595	AT1G26690	emp24/gp25L/p24 family/GOLD domain-containing protein
13420398	7.11	6.83	1.21	0.626418	0.750792	AT2G42490	primary-amine oxidase
13350465	7.11	6.84	1.2	0.390479	0.600266	AT1G50660	hypothetical protein
13442759	7.11	6.85	1.2	0.505165	0.668653	AUD1	UDP-glucuronic acid decarboxylase
13438824	7.11	6.86	1.19	0.515564	0.675675	AT3G53180	glutamate-ammonia ligase-like protein
13499150	7.11	6.88	1.18	0.501298	0.665856	YLS8	mRNA splicing factor, thioredoxin-like U5 snRNP
13539495	7.11	6.98	1.09	0.677263	0.786156	TSB1	tryptophan synthase beta chain
13537434	7.11	7	1.08	0.704886	0.805814	AT5G49540	Rab5-interacting family protein
13478998	7.11	7.06	1.03	0.62165	0.747876	AT4G38040	Exostosin family protein
13526052	7.11	7.11	1.01	0.941213	0.964738	RGLG2	E3 ubiquitin-protein ligase RGLG2
13504361	7.11	7.13	-1.01	0.919621	0.951389	AT5G22070	Core-2/I-branching beta-1,6-N-acetylglucosaminyltransferase family protein
13376752	7.11	7.16	-1.04	0.906107	0.942604	mtLPD1	dihydrolipoyl dehydrogenase 1
13352027	7.11	7.25	-1.1	0.598418	0.731537	EIF4A-2	translation initiation factor 4A-2
13387242	7.11	7.25	-1.1	0.76253	0.844325	AT1G74340	dolichyl-phosphate mannosyltransferase polypeptide 2, regulatory
13520012	7.11	7.25	-1.1	0.442856	0.631085	AT5G66060	iron ion binding / oxidoreductase/ oxidoreductase protein
13373599	7.11	7.4	-1.22	0.444571	0.632166	AT1G29250	Alba DNA/RNA-binding protein
13508095	7.11	7.54	-1.35	0.112915	0.444045	GRF3	14-3-3-like protein GF14 psi
13410209	7.11	7.92	-1.76	0.113306	0.444567	AT2G18980	peroxidase 16
13376040	7.1	6.08	2.02	0.285182	0.556339	BZIP60	bZIP transcription factor 60
13466119	7.1	6.1	1.99	0.042022	0.368598	AT4G06536	SPla/RYanodine receptor (SPRY) domain-containing protein
13483579	7.1	6.21	1.85	0.003174	0.253459	SKU5	Monocopper oxidase-like protein SKU5
13477499	7.1	6.22	1.84	0.165487	0.485944	XLG2	extra-large GTP-binding protein 2
13476289	7.1	6.27	1.79	0.035086	0.355472	HSL1	B3 domain-containing transcription repressor VAL2
13388494	7.1	6.34	1.7	0.148342	0.471967	EFS	histone-lysine N-methyltransferase SETD2
13421935	7.1	6.35	1.68	0.109089	0.440715	AT2G46230	PIN domain-containing protein
13500065	7.1	6.39	1.64	0.137283	0.46568	AT5G10745	hypothetical protein
13497514	7.1	6.51	1.51	0.313384	0.568008	DME	transcriptional activator DEMETER
13497692	7.1	6.53	1.48	0.341694	0.578744	ALA1	phospholipid-transporting ATPase 1
13538957	7.1	6.56	1.45	0.025108	0.334806	PTB2	polypyrimidine tract-binding protein 2
13400127	7.1	6.57	1.45	0.051522	0.382129	GH9B8	endoglucanase 11
13429450	7.1	6.56	1.45	0.214933	0.519459	UPL6	E3 ubiquitin-protein ligase UPL6
13405674	7.1	6.58	1.43	0.338776	0.577414		
13528386	7.1	6.6	1.42	0.368405	0.590997	TUA3; TUA5	tubulin alpha-3/alpha-5 chain
13468135	7.1	6.61	1.4	0.273285	0.549859	AT4G13360	3-hydroxyisobutyryl-CoA hydrolase-like protein 3

13374802	7.1	6.63	1.38	0.016299	0.315398	ATDAD1	dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit DAD1
13487222	7.1	6.67	1.35	0.451066	0.635828	GSNAP	Gamma-soluble NSF attachment protein
13494017	7.1	6.67	1.35	0.07088	0.40759	GB2; AT4G35850	GTP-binding protein GB2; pentatricopeptide repeat-containing protein
13544259	7.1	6.77	1.27	0.16301	0.484829	FOLT1	folate transporter 1
13413030	7.1	6.76	1.26	0.437946	0.628329	AT2G25920	hypothetical protein
13510580	7.1	6.81	1.23	0.538522	0.691507	AT5G44710	hypothetical protein
13525481	7.1	6.8	1.23	0.173886	0.490907	CYP20-2	Peptidyl-prolyl cis-trans isomerase CYP20-2
13515216	7.1	6.82	1.22	0.326526	0.573808	AT5G55070	dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex 1
13516793	7.1	6.9	1.14	0.389902	0.599985	AT5G58640	Selenoprotein, Rdx type
13373221	7.1	6.93	1.13	0.300233	0.563239	AT1G28240	hypothetical protein
13376830	7.1	6.93	1.13	0.281118	0.554573	ECT7	hypothetical protein
13334940	7.1	6.96	1.1	0.945169	0.967129		
13364857	7.1	6.96	1.1	0.945169	0.967129		
13445717	7.1	6.96	1.1	0.945169	0.967129		
13479516	7.1	6.96	1.1	0.945169	0.967129		
13512611	7.1	6.96	1.1	0.945169	0.967129		
13521278	7.1	6.96	1.1	0.945169	0.967129		
13454933	7.1	6.97	1.09	0.614368	0.742891	AT3G28900	60S ribosomal protein L34-3
13421847	7.1	6.99	1.08	0.814131	0.881143	AT2G46000; AT2G45990	hypothetical protein
13397030	7.1	7	1.07	0.693691	0.797962	AT2G25520	putative phosphate/phosphoenolpyruvate translocator protein
13535238	7.1	7.01	1.07	0.779549	0.856598	ckl7	casein kinase I-like 7
13346896	7.1	7.01	1.06	0.761002	0.843465	XLG3	extra-large GTP-binding protein 3
13464661	7.1	7.02	1.06	0.663647	0.77668	AT4G02030	Vps51/Vps67 family (components of vesicular transport) protein
13433432	7.1	7.03	1.05	0.887135	0.930873	AT3G26100	regulator of chromosome condensation repeat-containing protein
13396912	7.1	7.04	1.04	0.682851	0.789943	AT2G25210; AT4G31985	60S ribosomal protein L39-1
13534585	7.1	7.2	-1.07	0.636686	0.75839	AT5G42570	B-cell receptor-associated 31-like protein
13501851	7.1	7.26	-1.11	0.648659	0.766334	BCCP2	biotin carboxyl carrier protein of acetyl-CoA carboxylase 2
13539665	7.1	7.4	-1.23	0.405463	0.609069	TOP1BETA	DNA topoisomerase 1 beta
13382398	7.1	7.62	-1.43	0.066736	0.403961	BETA-VPE	vacuolar-processing enzyme beta-isozyme
13416448	7.09	5.56	2.88	0.073733	0.410046	AT2G33630; AT2G33620	Rossmann-fold NAD(P)-binding domain-containing protein; AT hook motif DNA-binding family protein
13362330	7.09	5.89	2.29	0.028906	0.347592	GL22	germin-like protein subfamily 2 member 2
13340931	7.09	6.09	2	0.14652	0.470962	AT1G16670	kinase domain-containing protein
13341424	7.09	6.19	1.87	0.259675	0.542423	AT1G17500	phospholipid-translocating ATPase
13369020	7.09	6.37	1.65	0.04758	0.37767	AT1G17080	ribosomal protein L18ae-like protein
13480164	7.09	6.39	1.62	0.174231	0.491321	KEA2	K(+) efflux antiporter 2
13338792	7.09	6.6	1.4	0.447482	0.634338	PYM	partner of Y14-mago
13372048	7.09	6.61	1.4	0.386624	0.598595	AT1G24267	hypothetical protein
13448105	7.09	6.62	1.38	0.105301	0.43719	AT3G11964	RNA binding protein

13525763	7.09	6.64	1.37	0.152502	0.475182	AT5G13780; AT5G13770	peptide alpha-N-acetyltransferase; pentatricopeptide repeat-containing protein
13389412	7.09	6.65	1.36	0.290637	0.5586	NUA	nucleoprotein TPR
13448231	7.09	6.66	1.35	0.17557	0.49233	Nek7	serine/threonine-protein kinase Nek7
13347513	7.09	6.71	1.3	0.136791	0.465316	AT1G33680; AT1G33700	far upstream element-binding protein; Beta-glucosidase, GBA2 type protein
13542193	7.09	6.73	1.28	0.326344	0.573808	ATG3	autophagy-related protein 3
13459010	7.09	6.99	1.07	0.705885	0.806568	AT3G52220	hypothetical protein
13442076	7.09	7.01	1.06	0.772714	0.85181	GAUT1	alpha-1,4-galacturonosyltransferase 1
13457597	7.09	7	1.06	0.79802	0.870063	HSP93-III	Clp ATPase
13358796	7.09	7.01	1.05	0.866921	0.917103	MPK15	mitogen-activated protein kinase 15
13486317	7.09	7.01	1.05	0.558781	0.705181	AT4G17950	AT hook motif DNA-binding family protein
13482184	7.09	7.6	-1.42	0.298105	0.562461	AT4G08230	glycine-rich protein
13512360	7.08	5.68	2.65	0.054709	0.386003	AT5G48800; CB5-D	Phototropic-responsive NPH3 protein; cytochrome B5 isoform D
13440912	7.08	5.95	2.18	0.015803	0.315212	AT3G58490	Phosphatidic acid phosphatase (PAP2) family protein
13469661	7.08	6.13	1.93	0.134529	0.463251	AT4G16710	beta-1,4-N-acetylglucosaminyltransferase
13410423	7.08	6.19	1.86	0.042727	0.369817	TET2	tetraspanin2
13394245	7.08	6.24	1.8	0.084537	0.418673	AT2G18690	hypothetical protein
13464511	7.08	6.28	1.75	0.116558	0.446833	CRK	actin related protein 2/3 complex, subunit 5
13544627	7.08	6.31	1.71	0.252051	0.538651	SDN3	small RNA degrading nuclease 3
13339347	7.08	6.31	1.7	0.155277	0.478104	PEPKR1	phosphoenolpyruvate carboxylase-related kinase 1
13471979	7.08	6.37	1.63	0.099966	0.434356	SRF8	STRUBBELIG-receptor family 8 protein
13440819	7.08	6.4	1.6	0.144665	0.469881	SINAT2	E3 ubiquitin-protein ligase SINAT2
13394523	7.08	6.42	1.57	0.074448	0.410455	AT2G19180	hypothetical protein
13508142	7.08	6.47	1.53	0.109982	0.441206	CYB-1	cytochrome b-561
13497029	7.08	6.48	1.51	0.331521	0.576146	EXO70A1	exocyst subunit exo70 family protein A1
13418060	7.08	6.49	1.5	0.08533	0.420058	AT2G37220	ribonucleoprotein
13523331	7.08	6.49	1.5	0.226095	0.524988	AT5G07970	dentin sialophosphoprotein-like protein
13457302	7.08	6.52	1.48	0.039245	0.364658	SIS3	E3 ubiquitin-protein ligase SIS3
13543291	7.08	6.58	1.41	0.05671	0.390057	SC35; AT5G64190	splicing factor, arginine/serine-rich 2; hypothetical protein
13541168	7.08	6.6	1.4	0.175435	0.492269	AT5G58980	Neutral/alkaline non-lysosomal ceramidase
13431105	7.08	6.71	1.29	0.514535	0.67522	AT3G20510	Transmembrane proteins 14C
13452515	7.08	6.72	1.29	0.53984	0.692057	FHY3	far-red elongated hypocotyls 3 protein
13478406	7.08	6.72	1.28	0.464425	0.643588	LCB1	serine palmitoyltransferase
13497938	7.08	6.77	1.24	0.178881	0.494636	AT5G05520	outer membrane OMP85 family protein
13469774	7.08	6.82	1.2	0.478281	0.651265	AT4G17010	hypothetical protein
13405334	7.08	6.87	1.16	0.57844	0.718444	AT2G45300	3-phosphoshikimate 1-carboxyvinyltransferase
13480120	7.08	6.87	1.16	0.616465	0.744389	NAD-ME2	malate dehydrogenase (decarboxylating)
13382338	7.08	6.88	1.15	0.458135	0.639867	CDS1	phosphatidate cytidylyltransferase
13458720	7.08	6.88	1.15	0.524116	0.681842	AT3G51580	hypothetical protein
13499220	7.08	6.9	1.14	0.413792	0.614016	AT5G08420	RNA-binding KH domain-containing protein
13460808	7.08	6.9	1.13	0.711982	0.810381	AT3G56510	RNA recognition motif-containing protein
13345574	7.08	6.91	1.12	0.363098	0.588585	NSL1; AT1G28390	MAC/Perforin domain-containing protein; serine/threonine-protein kinase-like protein

13462447	7.08	6.91	1.12	0.523565	0.681562	EDA14	putative U3 small nucleolar RNA-associated protein 11
13361697	7.08	6.96	1.09	0.568037	0.711175	AT1G80790	XH/XS domain-containing protein
13525508	7.08	7.13	-1.03	0.929208	0.956928	AT5G13190	hypothetical protein
13422659	7.08	7.6	-1.44	0.137968	0.46568	AT2G48130	protease inhibitor/seed storage/lipid transfer protein (LTP) family protein
13408285	7.08	8.11	-2.04	0.490452	0.658717	AT2G07771; ccb256; AT2G07681	putative cytochrome c biosynthesis ccmC-like mitochondrial protein; cytochrome c biogenesis orf256
13455664	7.07	4.45	6.13	0.010996	0.297771	SUS4	sucrose synthase 4
13444633	7.07	6.03	2.06	0.053898	0.3842	WRKY39	putative WRKY transcription factor 39
13528629	7.07	6.04	2.03	0.079258	0.414078	DCL4	dicer-like protein 4
13451668	7.07	6.16	1.88	0.069908	0.406466	EHD1	EPS15 homology domain 1 protein
13490943	7.07	6.2	1.83	0.202198	0.510403	NINJA	AFP-like protein 2
13404427	7.07	6.23	1.79	0.142705	0.468771	AT2G43210	UBX domain-containing protein
13398734	7.07	6.38	1.6	0.158694	0.481364	PH1	Pleckstrin homology domain-containing protein 1
13416946	7.07	6.42	1.56	0.121245	0.45228	MEE23	FAD-binding and BBE domain-containing protein
13464641	7.07	6.44	1.54	0.215892	0.519737	SWN	histone-lysine N-methyltransferase EZA1
13445719	7.07	6.55	1.43	0.331599	0.576146	AT3G06670	component of IIS longevity pathway SMK-1 domain-containing protein
13474125	7.07	6.57	1.42	0.322548	0.571673	PDIL5-4	protein PDI-like 5-4
13535223	7.07	6.62	1.36	0.268943	0.547659	AT5G44090	protein phosphatase 2 (formerly 2A), regulatory subunit B"
13358059	7.07	6.64	1.34	0.368803	0.59119	AT1G71865; AT1G71866	hypothetical protein
13502316	7.07	6.73	1.27	0.31684	0.568567	MYB43	myb domain protein 43
13494442	7.07	6.75	1.25	0.260457	0.542969	ATU2AF65A	Splicing factor U2af large subunit A
13405548	7.07	6.76	1.24	0.535622	0.689501	AT2G45910	U-box domain-containing protein 33
13405685	7.07	6.78	1.23	0.390909	0.600459	ABIL1	protein ABIL1
13442659	7.07	6.79	1.22	0.344655	0.579681	AT3G62530	armadillo/beta-catenin-like repeat-containing protein
13424821	7.07	6.84	1.18	0.310534	0.566973	AT3G05760	U4/U6.U5 tri-snRNP component
13395223	7.07	6.94	1.1	0.361756	0.587911	AT2G20920	hypothetical protein
13532344	7.07	7.1	-1.02	0.940507	0.964361	AT5G35690	hypothetical protein
13345639	7.07	7.12	-1.04	0.852162	0.906859	AT1G28510	Optic atrophy 3 protein (OPA3)
13494188	7.07	7.15	-1.06	0.075725	0.410503	AT4G36180	putative LRR receptor-like serine/threonine-protein kinase
13433520	7.07	7.19	-1.09	0.440896	0.629996	AT3G26440	hypothetical protein
13341199	7.07	7.21	-1.1	0.506953	0.670224	AT1G17130	hypothetical protein
13348970	7.07	7.23	-1.12	0.509234	0.671684	BGAL5	beta-galactosidase 5
13471956	7.07	7.59	-1.43	0.231615	0.528183	sks4	protein SKU5 similar 4
13443428	7.06	5.52	2.91	0.007167	0.287967	AT3G01820	P-loop containing nucleoside triphosphate hydrolase-like protein
13363579	7.06	5.81	2.39	0.11408	0.445215	AT1G05060	hypothetical protein
13499536	7.06	5.94	2.18	0.108543	0.440622	KUP7	Potassium transporter 7
13520974	7.06	6.05	2.01	0.013478	0.308902	AT5G01710; CPuORF48	methyltransferase; conserved peptide upstream open reading frame 48
13475657	7.06	6.09	1.96	0.026751	0.339318	AT4G30780	hypothetical protein

13361898	7.06	6.24	1.77	0.066113	0.403288	AT1G01170; GIF2	hypothetical protein; GRF1-interacting factor 2
13454314	7.06	6.24	1.77	0.142947	0.46893	UKL2	putative uracil phosphoribosyltransferase
13335327	7.06	6.43	1.55	0.23679	0.530962	ATG18G	autophagy 18G-like protein
13373038	7.06	6.44	1.54	0.164806	0.485884	ACA1	autoinhibited Ca2+-ATPase 1
13445414	7.06	6.51	1.47	0.071706	0.408234	BPM2	BTB/POZ and M2 domain-containing protein
13429792	7.06	6.61	1.36	0.169521	0.48788	AT3G17900	hypothetical protein
13487826	7.06	6.61	1.36	0.330164	0.575506	WRKY31	WRKY DNA-binding protein 31
13523575	7.06	6.69	1.29	0.097186	0.433165	AT5G08450	hypothetical protein
13470554	7.06	6.75	1.24	0.472021	0.647709	BEH3	BES1/BZR1 homolog 3
13509590	7.06	6.75	1.24	0.451035	0.635828	AT5G42390	Insulinase (Peptidase family M16) family protein
13493821	7.06	6.8	1.2	0.414627	0.614208	AT4G35360	hypothetical protein
13453452	7.06	6.81	1.19	0.127325	0.457028	AT3G24870	Helicase/SANT-associated, DNA binding protein
13495794	7.06	6.87	1.14	0.400395	0.606074	AT4G39680	SAP domain-containing protein
13336476	7.06	6.97	1.06	0.42037	0.617454	GTE4	global transcription factor group E4
13435227	7.06	7.17	-1.08	0.840882	0.899721	GSTU27	glutathione S-transferase
13413683	7.06	7.2	-1.1	0.762893	0.844596	PAP12	Fe(3+)-Zn(2+) purple acid phosphatase 12
13337662	7.06	7.22	-1.12	0.668594	0.779865	AT1G08890	sugar transporter ERD6-like 1
13438257	7.06	7.46	-1.32	0.290001	0.558181	CAX3	vacuolar cation/proton exchanger 3
13405894	7.06	7.66	-1.51	0.035361	0.355898	AT2G46630	hypothetical protein
13419402	7.06	7.66	-1.52	0.030745	0.350246	LAC5	laccase 5
13522960	7.06	7.7	-1.55	0.014808	0.313095	AT5G07030	aspartyl protease family protein
13445344	7.06	7.98	-1.89	0.054347	0.385747	AT3G06035	glycoprotein membrane precursor GPI-anchored protein
13524352	7.06	7.99	-1.91	0.085709	0.420651	AGP4	arabinogalactan protein 4
13397162	7.05	5.28	3.41	0.079067	0.414078	AT2G25790	Leucine-rich receptor-like protein kinase family protein
13539159	7.05	5.44	3.04	0.022536	0.327966	AT5G53900	Serine/threonine-protein kinase-like protein
13419881	7.05	5.77	2.43	0.045355	0.375052	AT2G41620; AT2G41610	Nup93/Nic96 nucleoporin interacting component containing protein; hypothetical protein
13414383	7.05	5.99	2.09	0.011277	0.297771	CXIP4	CAX-interacting protein 4
13345095	7.05	6.07	1.97	0.094412	0.430944	AT1G27340	F-box only protein 6
13495876	7.05	6.2	1.8	0.040149	0.365591	AT4G39900	hypothetical protein
13364517	7.05	6.3	1.67	0.089651	0.426725	F2KP	fructose-2,6-bisphosphatase
13340788	7.05	6.35	1.63	0.230585	0.527687	AT1G16350	IMP dehydrogenase
13409242	7.05	6.37	1.6	0.241103	0.533477	BLH7	BEL1-like homeodomain 7
13353583	7.05	6.43	1.54	0.240803	0.53343	ALA3	phospholipid-transporting ATPase 3
13341406	7.05	6.59	1.37	0.238296	0.532151	DRG1	developmentally regulated G-protein 1
13438795	7.05	6.61	1.36	0.439777	0.629514	LOS4	DEAD-box ATP-dependent RNA helicase 38
13511886	7.05	6.61	1.36	0.327231	0.574089	FRA1	kinesin family member 4/7/21/27
13516443	7.05	6.6	1.36	0.195128	0.506174	FIP1[V]	FIP1 [V]-like protein
13423535	7.05	6.62	1.35	0.132075	0.46218	AT3G02900	hypothetical protein
13500468	7.05	6.67	1.31	0.342657	0.579024	AT5G11680	hypothetical protein
13364255	7.05	6.76	1.22	0.440027	0.629683	PDS1	4-hydroxyphenylpyruvate dioxygenase
13502441	7.05	6.81	1.18	0.649547	0.766907	BPA1	binding partner of acd11 1

13479474	7.05	6.89	1.12	0.460237	0.641393	ATRER1A	protein RER1A
13424766	7.05	6.89	1.11	0.537741	0.690828	AT3G05670	RING/U-box protein
13435193	7.05	6.95	1.08	0.806151	0.875598	AT3G43740	leucine-rich repeat-containing protein
13354838	7.05	6.95	1.07	0.639977	0.760159	AT1G63830	PLAC8-like protein
13373714	7.05	6.99	1.04	0.466056	0.644758	AT1G29470	putative methyltransferase PMT24
13357121	7.05	7.07	-1.02	0.867662	0.917683	HVA22C	HVA22-like protein c
13397674	7.05	7.1	-1.03	0.786145	0.861264	SE	serrate RNA effector molecule
13494404	7.05	7.7	-1.56	0.260553	0.542969	AT4G36640	sec14p-like phosphatidylinositol transfer protein
13401786	7.04	5.47	2.97	0.073435	0.409582	AT2G37050	putative receptor protein kinase
13403169	7.04	5.63	2.65	0.002707	0.253459	AT2G40200	transcription factor bHLH51
13447834	7.04	5.92	2.18	0.017961	0.319749	AT3G11450	DnaJ homolog subfamily C member 2
13516883	7.04	5.93	2.16	0.093569	0.430403	CRCK1	calmodulin-binding receptor-like cytoplasmic kinase 1
13420341	7.04	6.07	1.97	0.165748	0.486235	VOZ2	vascular plant one zinc finger protein 2
13508711	7.04	6.1	1.92	0.017278	0.319147	EMB3012	protein embryo defective 3012
13542114	7.04	6.14	1.87	0.051897	0.382324	RPE	D-ribulose-5-phosphate-3-epimerase
13434360	7.04	6.14	1.86	0.13222	0.46234	AT3G28690	putative protein kinase
13536399	7.04	6.16	1.84	0.201959	0.510189	LON2	ATP-dependent Lon protease
13406991	7.04	6.17	1.82	0.01683	0.317232	AT2G01820	leucine-rich repeat protein kinase-like protein
13449877	7.04	6.22	1.77	0.219299	0.521439	AT3G15630	hypothetical protein
13501464	7.04	6.23	1.75	0.217997	0.520652	AT5G14430	putative methyltransferase PMT9
13391201	7.04	6.36	1.61	0.167313	0.486855	AT2G03510	SPFH/Band 7/PHB domain-containing membrane-associated protein
13342717	7.04	6.36	1.6	0.268338	0.546992	AT1G20760	calcium-binding EF hand-containing protein
13449821	7.04	6.47	1.49	0.003041	0.253459	AT3G15530	methyltransferase
13396020	7.04	6.52	1.43	0.354952	0.584465	AT2G22720	SPT2 chromatin protein
13413788	7.04	6.57	1.38	0.294239	0.560481	NLP1	N-carbamoylputrescine amidase
13460532	7.04	6.61	1.34	0.518227	0.67753	AT3G55920	peptidyl-prolyl cis-trans isomerase
13438997	7.04	6.64	1.32	0.423708	0.619259	AT3G53580	diaminopimelate epimerase
13533482	7.04	6.64	1.32	0.36342	0.588673	GER2; AT5G39160; AT5G39130	germin-like protein subfamily 1 member 20; germin-like protein subfamily 1 member 18; germin-like protein subfamily 1 member 16
13449322	7.04	6.74	1.23	0.332496	0.576298	AT3G14172	hypothetical protein
13412718	7.04	6.76	1.22	0.372258	0.591916	AT2G25280; AT2G25270	hypothetical protein
13441802	7.04	6.84	1.15	0.518735	0.677868	GATA4	GATA transcription factor 4
13511549	7.04	6.84	1.15	0.667083	0.778908	AT5G47060	hypothetical protein
13516454	7.04	6.9	1.1	0.011288	0.297771	YKT61; TIL	VAMP-like protein YKT61; outer membrane lipoprotein Blc
13405632	7.04	7.16	-1.08	0.440149	0.629794	AT2G46100	Nuclear transport factor 2 (NTF2) family protein
13433146	7.04	7.33	-1.22	0.202276	0.510403	AAPT2	aminoalcoholphosphotransferase
13459764	7.03	6.14	1.85	0.076237	0.410503	PTR1	peptide transporter PTR1
13509176	7.03	6.16	1.83	0.040944	0.366381	BEL1	homeobox protein BEL1-like protein
13523595	7.03	6.15	1.83	0.131346	0.461269	AT5G08520	duplicated SANT DNA-binding domain-containing protein
13394174	7.03	6.17	1.81	0.21761	0.520626	TTN5; AT2G18400	ADP-ribosylation factor-like 2; large subunit ribosomal protein L6

13491765	7.03	6.21	1.76	0.0035	0.253459	AT4G30910	leucine aminopeptidase 2
13340042	7.03	6.23	1.75	0.260379	0.542969	APK2A	protein kinase 2A
13405271	7.03	6.26	1.7	0.04702	0.37751	MAP1A	methionine aminopeptidase 1A
13467290	7.03	6.29	1.66	0.108082	0.439915	SPA2	protein SPA1-related 2
13529886	7.03	6.36	1.59	0.062089	0.398248	LCBK1	Sphingoid long-chain bases kinase 1
13504231	7.03	6.39	1.55	0.109396	0.440715	AKINBETA1	SNF1-related protein kinase regulatory subunit beta-1
13512330	7.03	6.41	1.53	0.16552	0.485944	XRI1	protein XRI1
13429834	7.03	6.46	1.49	0.138552	0.46568	TOC64-III	translocon at the outer membrane of chloroplasts 64-III
13493613	7.03	6.47	1.47	0.191261	0.504418	XDH1	xanthine dehydrogenase 1
13397257	7.03	6.48	1.46	0.173572	0.490872	emb1345	transducin/WD-40 repeat-containing protein
13482021	7.03	6.49	1.46	0.146939	0.470962	AT4G06599	ubiquitin-like domain-containing CTD phosphatase
13409473	7.03	6.49	1.45	0.364498	0.589408	AT2G16940	splicing factor, CC1-like protein
13517536	7.03	6.52	1.43	0.160827	0.483101	AT5G60570	F-box/kelch-repeat protein
13388100	7.03	6.53	1.41	0.053188	0.383613	AT1G76400; AT1G76390	Ribophorin I; U-box domain-containing protein 43
13507915	7.03	6.58	1.37	0.335593	0.576654		
13388438	7.03	6.59	1.36	0.192783	0.505579	SKIP	chromatin protein family
13473568	7.03	6.65	1.3	0.306071	0.565302	PUM6	pumilio 6 protein
13544063	7.03	6.66	1.3	0.331039	0.576012	ATGRIP	protein GRIP
13472213	7.03	6.69	1.27	0.265957	0.546291	PYR4	dihydroorotase
13395557	7.03	6.8	1.18	0.218957	0.52121	RER1B	protein RER1B
13387671	7.03	6.86	1.13	0.661195	0.775368	AT1G75370	sec.4-like phosphatidylinositol transfer protein
13525263	7.03	6.86	1.12	0.506257	0.669645	AT5G12410	THUMP domain-containing protein
13527090	7.03	6.88	1.11	0.525764	0.683118	DOT2	U4/U6.U5 tri-snRNP-associated protein 1
13435966	7.03	6.9	1.1	0.412462	0.61329	RAB8A	Ras-related protein ARA-3
13442277	7.03	6.92	1.08	0.6554	0.771521	AT3G61480	Quinoprotein amine dehydrogenase, beta chain-like; RIC1-like guanyl-nucleotide exchange factor
13485963	7.03	7.04	-1.01	0.890384	0.932559	SCL13	protein scarecrow-like 13
13383025	7.03	7.13	-1.08	0.575944	0.716785	AT1G64140; CPuORF23	hypothetical protein; conserved peptide upstream open reading frame 23
13383894	7.03	7.14	-1.08	0.487274	0.656578	AT1G66260	RNA recognition motif-containing protein
13393931	7.03	7.16	-1.09	0.606451	0.736948	AT2G17760	aspartyl protease-like protein
13453919	7.03	7.32	-1.23	0.177063	0.4933	AT3G26450	SRPBCC ligand-binding domain-containing protein
13403252	7.03	7.52	-1.41	0.051618	0.382313	AT2G40460	putative peptide/nitrate transporter
13371387	7.02	5.16	3.64	0.042442	0.369177	SUC2	sucrose transport protein SUC2
13536160	7.02	5.21	3.5	0.00264	0.253459	AT5G46260	TIR-NBS-LRR class disease resistance protein
13348641	7.02	6.21	1.76	0.271464	0.548926	AT1G43670	fructose-1,6-bisphosphatase, cytosolic
13515084	7.02	6.21	1.75	0.094482	0.430979	GPT1	glucose-6-phosphate/phosphate translocator 1
13456759	7.02	6.28	1.67	0.213358	0.518061	AT3G46450	SEC14 cytosolic factor family protein / phosphoglyceride transfer family protein
13422786	7.02	6.37	1.57	0.235208	0.529705	SNL1	paired amphipathic helix protein Sin3-like 1

13537516	7.02	6.38	1.57	0.070143	0.406528	AT5G49660	putative leucine-rich repeat transmembrane protein kinase
13370850	7.02	6.39	1.55	0.069434	0.406403	AT1G21440	phosphoenolpyruvate carboxylase-like protein
13414201	7.02	6.49	1.44	0.256998	0.541049	AT2G28510	Dof zinc finger protein DOF2.1
13503490	7.02	6.54	1.4	0.196882	0.507617	SMG7	Telomerase activating protein Est1
13521959	7.02	6.54	1.39	0.353307	0.583612	AT5G04480	UDP-glycosyltransferase family protein
13516296	7.02	6.55	1.38	0.320019	0.570589	AT5G57710	heat shock protein-like protein
13526601	7.02	6.56	1.37	0.205565	0.512407	AT5G15550	transducin/WD40 domain-containing protein
13445850	7.02	6.58	1.36	0.301071	0.563852	PRMT4B	histone-arginine methyltransferase CARM1
13460004	7.02	6.57	1.36	0.295538	0.561114	BZIP25	basic leucine zipper 25
13413742	7.02	6.6	1.34	0.30399	0.564621	AT2G27350	OTU-like cysteine type protease
13399154	7.02	6.74	1.22	0.494926	0.661637	ASP1	aspartate aminotransferase
13515986	7.02	6.73	1.22	0.30529	0.565001	ckl12	casein kinase I-like 12
13387366	7.02	6.74	1.21	0.271239	0.548864	CPK30	calcium-dependent protein kinase 30
13413621	7.02	6.76	1.2	0.412656	0.613361	AT2G27090; AT2G27080	hypothetical protein; late embryogenesis abundant hydroxyproline-rich glycoprotein
13427451	7.02	6.77	1.19	0.43138	0.6239	ECT5	hypothetical protein
13523847	7.02	6.81	1.16	0.526887	0.684022	AT5G09460; CPuORF43; CPuORF41; CPuORF42	transcription factor bHLH143; conserved peptide upstream open reading frame 43; conserved peptide upstream open reading frame 41; conserved peptide upstream open reading frame 42
13387778	7.02	6.82	1.15	0.245784	0.53542	GH9B7	endoglucanase 10
13525689	7.02	6.89	1.09	0.524655	0.682311	AT5G13590	hypothetical protein
13496065	7.02	7.11	-1.06	0.830256	0.892184	AT5G01210	HXXXD-type acyl-transferase-like protein
13452781	7.02	7.3	-1.22	0.4576	0.639557	AT3G23090	targeting protein for Xklp2-like protein
13464129	7.02	7.48	-1.38	0.109642	0.440961	iqd17	protein IQ-domain 17
13442339	7.02	7.57	-1.47	0.044663	0.374597	AT3G61580	Fatty acid/sphingolipid desaturase
13380874	7.02	9.86	-7.17	0.003034	0.253459	ZW9	TRAF-like protein
13501351	7.01	4.69	4.99	0.003197	0.253459	AT5G14120	major facilitator protein
13399193	7.01	5.43	2.97	0.094117	0.430637	ORP1A	oxysterol binding protein-related protein 1A
13439591	7.01	5.87	2.21	0.095709	0.431773	PGPS2	phosphatidylglycerolphosphate synthase 2
13458462	7.01	6.02	2	0.215144	0.519459		
13341818	7.01	6.24	1.7	0.105461	0.437428	GAUT11	alpha-1,4-galacturonosyltransferase
13452466	7.01	6.25	1.7	0.147405	0.471394	PEX22	peroxin 22
13419787	7.01	6.25	1.69	0.126447	0.455595	AT2G41410	putative calcium-binding protein CML35
13390604	7.01	6.28	1.67	0.067152	0.405452	EXGT-A3	xyloglucan:xyloglucosyl transferase
13338915	7.01	6.31	1.63	0.09858	0.433275	CYP51G1	cytochrome P450, family 51 (sterol 14-demethylase)
13419222	7.01	6.36	1.57	0.338102	0.577332	AT2G39960	signal peptidase complex subunit 2
13382660	7.01	6.39	1.54	0.239063	0.532331	AT1G63290	putative D-ribulose-5-phosphate 3-epimerase
13473847	7.01	6.39	1.53	0.266467	0.546291	AT4G26470	putative calcium-binding protein CML21
13406631	7.01	6.43	1.5	0.15062	0.473426	AT2G01060	myb-like HTH transcriptional regulator-like protein
13395349	7.01	6.44	1.49	0.385035	0.598088	AT2G21190	putative ER lumen protein retaining receptor
13463834	7.01	6.5	1.42	0.324478	0.573034	AT4G00090	transducin/WD40 domain-containing protein
13502418	7.01	6.5	1.42	0.250644	0.53789	AT5G16730	hypothetical protein
13497319	7.01	6.54	1.39	0.168993	0.487519	MC9	metacaspase 9

13458515	7.01	6.56	1.37	0.259144	0.541852	AT3G51010	hypothetical protein
13363958	7.01	6.58	1.35	0.343372	0.579024	AT1G05720; AT1G05730	selenoprotein-like protein; hypothetical protein
13425832	7.01	6.67	1.26	0.303744	0.564347	TH9	thioredoxin H9
13439402	7.01	6.74	1.21	0.408825	0.610843	TTN8	structural maintenance of chromosomes 1
13459579	7.01	6.73	1.21	0.401723	0.60689	AGD6	putative ADP-ribosylation factor GTPase-activating protein AGD6
13404613	7.01	6.77	1.18	0.471079	0.647348	SSI2	acyl-[acyl-carrier-protein] desaturase
13526494	7.01	6.8	1.16	0.406516	0.609612	AT5G15400	putative ubiquitin conjugation factor E4
13528266	7.01	6.98	1.02	0.901011	0.939261	CDPK19	calcium-dependent protein kinase 19
13360951	7.01	7.19	-1.13	0.35355	0.583778	AT1G79110	zinc ion binding protein
13507834	7.01	7.33	-1.24	0.355576	0.584538	AT5G37740	calcium-dependent lipid-binding domain-containing protein
13483313	7.01	7.45	-1.36	0.205783	0.512597	MVA1	Hydroxymethylglutaryl-CoA synthase
13475343	7.01	7.76	-1.68	0.034474	0.355201	AT4G29780	hypothetical protein
13545685	7.01	8.14	-2.18	0.276451	0.551293		
13439951	7	5.77	2.36	0.026539	0.338795	AT3G55770	GATA type zinc finger transcription factor-like protein
13416907	7	5.8	2.3	0.070232	0.406528	PHB	homeobox-leucine zipper protein ATHB-14
13412120	7	5.92	2.12	0.093504	0.430373	AT2G23780	ubiquitin-protein ligase RNF5
13536305	7	5.93	2.09	0.015579	0.315212	AT5G46710	PLATZ transcription factor family protein
13525255	7	6.08	1.89	0.2016	0.510189	FIS1B; ANNAT8	hypothetical protein; annexin D8
13336404	7	6.14	1.81	0.207655	0.513587	AT1G06060	LisH and RanBPM domains containing protein
13372168	7	6.18	1.75	0.150459	0.473213	MAP70-2; AT1G24735	microtubule-associated proteins 70-2; caffeoyl-CoA O-methyltransferase
13362645	7	6.26	1.67	0.156894	0.479551	SPI	putative transport protein
13545583	7	6.28	1.66	0.12527	0.454331	AT4G32600	C3H4 type zinc finger protein
13406923	7	6.28	1.65	0.131248	0.461229	AT2G01690	hypothetical protein
13417946	7	6.28	1.65	0.153795	0.476554	AT2G36895	hypothetical protein
13471686	7	6.28	1.65	0.147798	0.471903	AT4G21534	Diacylglycerol kinase family protein
13383209	7	6.29	1.63	0.137638	0.46568	ILA	protein ILITYHIA
13423197	7	6.36	1.56	0.006127	0.280665	SP1L3	SPIRAL1-like3
13440492	7	6.41	1.51	0.308794	0.566484	INO80	DNA helicase INO80 complex-like 1
13396565	7	6.42	1.5	0.332931	0.576298	CYP71B6	cytochrome P450 71B6
13426231	7	6.45	1.46	0.11256	0.443735	ATB' BETA	serine/threonine protein phosphatase 2A regulatory subunit B prime beta isoform
13384396	7	6.47	1.45	0.109697	0.440987	AT1G67280	putative lactoylglutathione lyase, chloroplast
13499428	7	6.46	1.45	0.145194	0.470007	AT5G08690	ATP synthase subunit beta-2
13517514	7	6.46	1.45	0.101743	0.435397	GRIK2; CPuORF62	geminivirus rep interacting kinase 2; conserved peptide upstream open reading frame 62
13361324	7	6.52	1.39	0.337591	0.577219	AT1G79990	coatomer subunit beta'-1
13371979	7	6.53	1.38	0.231878	0.528276	SNL3	paired amphipathic helix protein Sin3-like 3
13336694	7	6.57	1.34	0.331844	0.576146	NIH	nuclear DEIH-boxhelicase
13418736	7	6.61	1.3	0.291832	0.559371	YLS5	class I glutamine amidotransferase-like domain-containing protein
13357569	7	6.7	1.23	0.337713	0.577243	HWI1	cysteine-rich repeat secretory protein 2
13392218	7	6.75	1.19	0.059392	0.39493	AT2G07674; ArthMp088	hypothetical protein

13506349	7	6.88	1.09	0.725187	0.819957	EMB976	pentatricopeptide repeat-containing protein
13360116	7	7.02	-1.01	0.905048	0.94191	AT1G77230; AT1G77240	tetratricopeptide repeat-containing protein; putative AMP-binding protein
13518538	7	7.01	-1.01	0.959389	0.975969	PEX14	peroxin 14
13402184	7	7.03	-1.02	0.906535	0.942922	CAC3	acetyl-coenzyme A carboxylase carboxyl transferase subunit alpha
13467579	7	7.04	-1.03	0.817306	0.883239	SAY1	Ara4-interacting protein
13539896	7	7.09	-1.06	0.748267	0.834893	OLI2	S-adenosyl-L-methionine-dependent methyltransferase-like protein
13513171	7	7.33	-1.26	0.038131	0.363017	AT5G50565; AT5G50665; AT5G50562	hypothetical protein
13494985	7	7.36	-1.29	0.42104	0.617789	AGL21	agamous-like MADS-box protein AGL21
13545211	7	8.51	-2.84	0.511995	0.673525	AT2G07749; ArthMp096	Mitovirus RNA-dependent RNA polymerase; hypothetical protein
13485418	6.99	4.71	4.84	0.010043	0.296261	OPT3	oligopeptide transporter
13497686	6.99	5.82	2.25	0.160769	0.483101	AT5G04910	hypothetical protein
13433363	6.99	5.89	2.14	0.027839	0.344226	ATB' DELTA	protein phosphatase 2 (formerly 2A), regulatory subunit B'
13464240	6.99	6.16	1.77	0.063175	0.399229	AT4G01040	glycosyl hydrolase family 18 protein
13338239	6.99	6.24	1.68	0.136601	0.465256	ECA3	Ca2+-transporting ATPase
13422962	6.99	6.26	1.67	0.004185	0.262292	AT3G01680	hypothetical protein
13468854	6.99	6.27	1.65	0.237633	0.531808	SDG2; MPK3	putative histone-lysine N-methyltransferase ATXR3; extracellular signal-regulated kinase 1/2
13375997	6.99	6.36	1.55	0.303164	0.564046	AT1G42440	hypothetical protein
13527041	6.99	6.42	1.49	0.309455	0.566851	AT5G16650	chaperone DnaJ-domain containing protein
13515068	6.99	6.46	1.45	0.037156	0.360541	AT5G54760; ROC5	Translation initiation factor SUI1 family protein; Peptidyl-prolyl cis-trans isomerase CYP18-4
13462555	6.99	6.45	1.45	0.145648	0.470297	AT3G60800	putative S-acyltransferase
13513075	6.99	6.48	1.42	0.158137	0.4806	AT5G50310	kelch repeat-containing protein
13416440	6.99	6.49	1.41	0.075071	0.410503	AT2G33580	protein kinase family protein
13468415	6.99	6.56	1.35	0.083168	0.417856	RHF1A	E3 ubiquitin-protein ligase RHF1A
13523790	6.99	6.58	1.33	0.233766	0.529356	NAC082	NAC domain containing protein 82
13523721	6.99	6.61	1.3	0.173289	0.490698	AT5G08770	hypothetical protein
13473838	6.99	6.62	1.29	0.243723	0.534763	WIP1	WPP domain interacting protein 1
13336657	6.99	6.64	1.28	0.495062	0.661768	AT1G06620	1-aminocyclopropane-1-carboxylate oxidase-1
13435493	6.99	6.66	1.25	0.350383	0.582019	AT3G44590	60S acidic ribosomal protein P2-4
13514928	6.99	6.68	1.24	0.345701	0.58045	CLUB	protein CLUB
13466301	6.99	6.7	1.23	0.481057	0.652645	AT4G08320; AT4G08330	tetratricopeptide repeat domain-containing protein; hypothetical protein
13483716	6.99	6.69	1.23	0.316659	0.568567	AT4G12770	auxilin-related protein 2
13430801	6.99	6.72	1.2	0.599791	0.73211	FYPP3	phytochrome-associated serine/threonine protein phosphatase 3
13497308	6.99	6.78	1.16	0.396579	0.604137	AT5G04170	putative calcium-binding protein CML50
13516900	6.99	6.86	1.09	0.802035	0.872386	AT5G58990	hypothetical protein
13503047	6.99	6.88	1.08	0.752518	0.837918	AT5G18610	protein kinase family protein
13410972	6.99	7.1	-1.07	0.479021	0.651574	SUR1	superroot 1 protein

13402503	6.99	7.2	-1.16	0.573875	0.715604	ANNAT3	annexin D3
13440117	6.99	7.29	-1.22	0.512117	0.673562	AT3G56200	transmembrane amino acid transporter-like protein
13514304	6.98	5.61	2.58	0.076467	0.410833	AT5G53110	RING/U-box domain-containing protein-like protein
13460793	6.98	5.72	2.39	0.049421	0.378802	AT3G56480; AT3G56470	myosin heavy chain-like protein; F-box protein
13419757	6.98	5.77	2.31	0.095373	0.431535	AT2G41250	haloacid dehalogenase-like hydrolase domain-containing protein
13366173	6.98	5.87	2.15	0.246362	0.535608	PP2A-2	serine/threonine-protein phosphatase PP2A-2 catalytic subunit
13500847	6.98	5.9	2.11	0.068811	0.406403	AT5G13100	hypothetical protein
13492794	6.98	5.97	2.02	0.229406	0.526986	AT4G33120	S-adenosyl-L-methionine-dependent methyltransferase-like protein
13375522	6.98	6.1	1.84	0.243197	0.534289	AT1G34750	putative protein phosphatase 2C 10
13440468	6.98	6.25	1.66	0.178282	0.49426	AGL16	protein agamous-like 16
13521219	6.98	6.28	1.63	0.115926	0.446616	MT2B; AT5G02370	metallothionein 2B; kinesin family member 22
13541062	6.98	6.28	1.63	0.119575	0.450566	AT5G58740	nudC domain-containing protein
13493800	6.98	6.29	1.62	0.083903	0.417946	TMT2	monosaccharide-sensing protein 2
13444333	6.98	6.41	1.49	0.173189	0.490537	AT3G03940	protein kinase-like protein
13410597	6.98	6.44	1.45	0.374229	0.592968	GC1	golgin candidate 1
13490118	6.98	6.45	1.45	0.259107	0.541852	AT4G26940	putative beta-1,3-galactosyltransferase 4
13371805	6.98	6.54	1.36	0.063188	0.399229	ALDH2B7	aldehyde dehydrogenase 2B7
13513983	6.98	6.63	1.28	0.002181	0.253459	HCF106	Bacterial sec-independent translocation protein mttA/Hcf106
13473912	6.98	6.71	1.21	0.533492	0.688042	D6PKL1	D6 protein kinase like 1
13397221	6.98	6.72	1.2	0.224996	0.524988	AT2G25950	hypothetical protein
13428060	6.98	6.86	1.09	0.613554	0.742468	AT3G14340	hypothetical protein
13345537	6.98	6.97	1.01	0.978174	0.987154	RLP4	receptor like protein 4
13413380	6.98	7.23	-1.19	0.61698	0.744759	AT2G26770	plectin-related protein
13526766	6.98	7.24	-1.2	0.212515	0.517763	GRF5	14-3-3-like protein GF14 upsilon
13545279	6.98	8.54	-2.95	0.409791	0.611297	ArthMp038	hypothetical protein
13372364	6.97	5.26	3.28	0.014131	0.312376	AT1G25530	lysine histidine transporter-like 6
13520085	6.97	5.92	2.06	0.08351	0.417888	AT5G66180	S-adenosyl-L-methionine-dependent methyltransferase domain-containing protein
13405153	6.97	5.98	1.98	0.006664	0.285606	EMB2766	structural constituent of nuclear pore
13359852	6.97	6.16	1.75	0.07775	0.412995	AT1G76580	squamosa promoter-binding-like protein 16
13449581	6.97	6.18	1.73	0.028437	0.346511	AT3G14860	NHL domain-containing protein
13356932	6.97	6.19	1.71	0.112109	0.443327	AT1G69340	appr-1-p processing enzyme-like protein
13539084	6.97	6.23	1.68	0.03622	0.358377	AT5G53570	RabGAP/TBC domain-containing protein
13467733	6.97	6.24	1.66	0.023126	0.330182	SMO1-1	sterol-4alpha-methyl oxidase 1-1
13436948	6.97	6.4	1.49	0.117633	0.447676	AT3G48380	putative Ufm1-specific protease
13426930	6.97	6.44	1.44	0.023016	0.330115	AT3G11630	2-Cys peroxiredoxin BAS1
13429399	6.97	6.46	1.43	0.259841	0.542594	AT3G17090	putative protein phosphatase 2C 42
13443156	6.97	6.49	1.4	0.136415	0.465235	AT3G01310	phosphoglycerate mutase-like-like protein
13459827	6.97	6.48	1.4	0.260759	0.542969	VAMP727	vesicle-associated membrane protein 727
13448512	6.97	6.5	1.38	0.13976	0.466308	HUA1	zinc finger CCCH domain-containing protein 37

13334904	6.97	6.55	1.34	0.379711	0.595361	CLPP5	ATP-dependent Clp protease, protease subunit
13397554	6.97	6.55	1.34	0.163484	0.485291	AT2G26780	proteasome component ECM29
13476837	6.97	6.54	1.34	0.432097	0.624526	nPAP	nuclear poly(a) polymerase
13502140	6.97	6.55	1.34	0.27589	0.551016	PGLCT	Plastidic glucose transporter 4
13472442	6.97	6.56	1.33	0.007799	0.290374	AT4G23530; AT4G23540	hypothetical protein; NUC173 domain-containing protein
13535401	6.97	6.58	1.31	0.140019	0.466502	AT5G44450	methyltransferase
13430225	6.97	6.58	1.3	0.447008	0.634055	IDL4	protein IDA-LIKE 4
13352412	6.97	6.6	1.29	0.321277	0.571176	AT1G55170	hypothetical protein
13509383	6.97	6.62	1.28	0.335766	0.576694	AT5G41950	tetratricopeptide repeat domain-containing protein
13433116	6.97	6.66	1.24	0.312756	0.567769	LAG1	LAG1 longevity assurance-1
13447292	6.97	6.68	1.22	0.441307	0.630118	AT3G10260	reticulon-like protein B8
13473189	6.97	6.69	1.21	0.230361	0.527515	AT4G25030	hypothetical protein
13389514	6.97	6.7	1.2	0.368538	0.590997	ALDH5F1	succinate-semialdehyde dehydrogenase
13414062	6.97	6.71	1.2	0.404594	0.608722	FRA8	exostosin-like protein
13419898	6.97	6.79	1.13	0.453879	0.63738	TFIIB	transcription initiation factor IIB-1
13364063	6.97	6.82	1.11	0.617841	0.745299	STO	Salt tolerance protein
13439424	6.97	6.88	1.06	0.574357	0.715986	AT3G54680	proteophosphoglycan-related protein
13444693	6.97	6.9	1.05	0.874899	0.922708	AT3G04780	hypothetical protein
13383271	6.97	7.04	-1.05	0.8433	0.901174	AT1G64850	calcium-binding EF-hand-containing protein
13499118	6.97	7.12	-1.1	0.361084	0.5879	NF-YB12	nuclear factor Y, subunit B12
13512369	6.97	7.19	-1.17	0.174826	0.491983	SAD1	U6 snRNA-associated Sm-like protein LSm5
13370636	6.97	7.27	-1.24	0.331632	0.576146	TMT1	monosaccharide-sensing protein 1
13399635	6.97	7.43	-1.38	0.279649	0.553836	AT2G32150	haloacid dehalogenase-like hydrolase domain-containing protein
13392212	6.97	9.03	-4.18	0.17752	0.493515	AT2G07672	hypothetical protein
13349186	6.96	4.15	7	0.077319	0.412497	AT1G47395	hypothetical protein
13487476	6.96	5.67	2.45	0.192162	0.505296	CRK27	cysteine-rich receptor-like protein kinase 27
13364083	6.96	5.79	2.25	0.006903	0.285606	SKIP16	F-box protein SKIP16
13386067	6.96	5.89	2.1	0.085983	0.421244	AT1G71410	armadillo/beta-catenin-like repeats-containing protein
13519860	6.96	5.95	2.02	0.020673	0.324125	AT5G65750	2-oxoglutarate dehydrogenase, E1 component
13476064	6.96	5.96	2	0.060916	0.397154	AT4G31430	hypothetical protein
13510286	6.96	6	1.95	0.009545	0.296261	CESA4	cellulose synthase A catalytic subunit 4 [UDP-forming]
13421842	6.96	6.03	1.91	0.171544	0.489309	AT2G45980	hypothetical protein
13521585	6.96	6.08	1.84	0.125197	0.454331	RABC2A	RAB GTPase-C2A
13439652	6.96	6.11	1.8	0.190954	0.504187	HEXO1	beta-hexosaminidase 1
13422203	6.96	6.24	1.66	0.097837	0.433275	POL	membrane associated protein phosphatase 2C
13415809	6.96	6.34	1.54	0.015293	0.313468	AT2G32235; AT2G32240	hypothetical protein
13492898	6.96	6.38	1.5	0.298736	0.562461	FAB1A	1-phosphatidylinositol-3-phosphate 5-kinase
13491087	6.96	6.47	1.41	0.270779	0.548527	AT4G29440	regulator of Vps4 activity protein
13423605	6.96	6.48	1.4	0.334772	0.576654	XPO1B	exportin 1B
13345584	6.96	6.62	1.27	0.403809	0.608295	HB-1	homeobox-1

13419507	6.96	6.68	1.22	0.318946	0.57007	AT2G40730	SCY1-like protein
13434746	6.96	6.69	1.21	0.562963	0.707926	AT3G30380	esterase/lipase domain-containing protein
13475202	6.96	6.71	1.19	0.415035	0.614247	AT4G29380	phosphoinositide-3-kinase, regulatory subunit 4, p150
13343251	6.96	6.87	1.07	0.848932	0.904851	TGA3	transcription factor TGA3
13341073	6.96	6.88	1.06	0.726604	0.820869	AT1G16880	uridylyltransferase-related protein
13451287	6.96	6.95	1.01	0.958782	0.975582	AT3G19340	hypothetical protein
13489582	6.96	7.03	-1.05	0.147333	0.471394	QC	glutaminyl-peptide cyclotransferase
13445272	6.96	7.05	-1.06	0.701216	0.803353	LACS6	long-chain acyl-CoA synthetase 6
13453741	6.96	7.06	-1.07	0.47659	0.6502	AT3G25840	serine/threonine-protein kinase PRP4
13499086	6.96	7.05	-1.07	0.846106	0.903036	AT5G08060	hypothetical protein
13488877	6.96	7.1	-1.1	0.098386	0.433275	AT4G24330	hypothetical protein
13381248	6.96	7.38	-1.33	0.116554	0.446833	AT1G60200	RNA-binding protein 25
13493642	6.95	4.13	7.07	0.005488	0.277119	AT4G34950	major facilitator family protein
13494862	6.95	4.51	5.46	0.022246	0.326488	AT4G37700	hypothetical protein
13387278	6.95	5.34	3.07	0.015133	0.313468		
13412910	6.95	5.64	2.48	0.072158	0.408352	AT2G25730	hypothetical protein
13357970	6.95	5.73	2.34	0.002596	0.253459	AT1G71790	capping protein (actin filament) muscle Z-line, beta
13471369	6.95	5.72	2.34	0.049115	0.378092	TUB9	tubulin beta-9 chain
13350554	6.95	5.95	2.01	0.034028	0.354099	AT1G50920	putative nucleolar GTP-binding protein 1
13521984	6.95	6.13	1.77	0.174411	0.491442	AT5G04540	Myotubularin-like phosphatases II-like protein
13370713	6.95	6.16	1.72	0.027856	0.344226	emb1507	putative U5 small nuclear ribonucleoprotein helicase
13504845	6.95	6.24	1.64	0.251278	0.538401	PFD5	prefoldin alpha subunit
13394072	6.95	6.31	1.56	0.294512	0.560624	AT2G18090	PHD finger, SWIB/MDM2 and GYF domain-containing protein
13472837	6.95	6.34	1.52	0.285002	0.556338	cpHsc70-1	chloroplast heat shock protein 70-1
13344270	6.95	6.36	1.5	0.218726	0.520899	THO2	THO complex subunit 2
13540728	6.95	6.42	1.45	0.044162	0.374012	AT5G57910	hypothetical protein
13427221	6.95	6.53	1.34	0.261897	0.543595	ITN1	ankyrin repeats-containing protein
13364030	6.95	6.53	1.33	0.24328	0.534321	AT1G05960	ARM repeat superfamily protein
13391429	6.95	6.63	1.24	0.251572	0.538526	CR88	Chaperone protein htpG family protein
13420894	6.95	6.72	1.18	0.25453	0.539826	AT2G43640; AT2G43630	signal recognition particle subunit SRP14; hypothetical protein
13430175	6.95	6.73	1.17	0.004149	0.262292	HDA15	histone deacetylase 15
13422746	6.95	6.73	1.16	0.388693	0.599253	AT3G01170	ribosomal protein L34e-like protein
13519884	6.95	6.9	1.03	0.918594	0.950794	ATBCAT-5; LINC4	branched-chain-amino-acid aminotransferase 5
13425997	6.95	7.05	-1.08	0.179044	0.494636	AT3G09180	hypothetical protein
13524649	6.95	7.09	-1.1	0.772321	0.851598	AT5G10980; AT4G40040; AT4G40030	histone H3
13387698	6.95	7.12	-1.12	0.425527	0.620492	BLH3	BEL1-like homeodomain 3
13500532	6.95	7.42	-1.39	0.132487	0.462428	NDL2	protein N-MYC downregulated-like 2
13416790	6.95	7.46	-1.42	0.147672	0.471804	CYP710A1	cytochrome P450, family 710, subfamily A
13336039	6.95	7.8	-1.8	0.093371	0.430177	RCI3	peroxidase 3
13487671	6.94	3.89	8.27	0.003001	0.253459	NRT1.8	nitrate transporter 1.8
13369112	6.94	5.69	2.39	0.154859	0.477903	UBP1B	oligouridylate binding protein 1B

13359421	6.94	5.7	2.35	0.024929	0.33454	bZIP44; CPuORF5	basic leucine-zipper 44; conserved peptide upstream open reading frame 5
13419207	6.94	5.74	2.3	0.09086	0.427921	COI1	Coronatine-insensitive protein 1
13525999	6.94	5.78	2.24	0.053897	0.3842	AT5G14240	thioredoxin family protein
13354693	6.94	5.84	2.14	0.093788	0.430403	AT1G63430	putative LRR receptor-like serine/threonine-protein kinase
13356415	6.94	5.89	2.08	0.109461	0.440715	PIS1	CDP-diacylglycerol--inositol 3-phosphatidyltransferase
13411168	6.94	6.04	1.86	0.025091	0.334806	AT2G20930	sedlin-N conserved region-containing protein
13339305	6.94	6.04	1.86	0.154475	0.477544	AT1G12470	zinc ion binding protein
13529935	6.94	6.17	1.71	0.200834	0.50994	AT5G23610	hypothetical protein
13369059	6.94	6.21	1.66	0.239386	0.532501	AT1G17145	RING/U-box superfamily protein
13432002	6.94	6.21	1.66	0.055605	0.388025	AGG2	G-protein gamma subunit 2
13463771	6.94	6.23	1.63	0.148918	0.471967	AT3G63500; AT3G63490	hypothetical protein; 50S ribosomal protein L1
13525151	6.94	6.3	1.55	0.06253	0.398248	AT5G12240	hypothetical protein
13418464	6.94	6.33	1.52	0.142475	0.468651	CAX1	vacuolar cation/proton exchanger 1
13444610	6.94	6.37	1.49	0.190946	0.504187	FLK	RNA-binding KH domain-containing protein
13413555	6.94	6.48	1.37	0.285301	0.556359	FUS12	COP9 signalosome complex subunit 2
13421630	6.94	6.61	1.26	0.620632	0.747415	AT2G45520; CYP704A2	hypothetical protein; cytochrome P450, family 704, subfamily A, polypeptide 2
13484158	6.94	6.63	1.24	0.348614	0.58078	CYP83A1	cytochrome P450 83A1
13466312	6.94	6.65	1.22	0.569418	0.712034	GTA2	global transcription factor group A2
13500280	6.94	6.66	1.21	0.389224	0.599658	AT5G11340	GCN5-related N-acetyltransferase (GNAT) family protein
13539041	6.94	6.69	1.19	0.438053	0.628329	AT5G53440	hypothetical protein
13438165	6.94	6.73	1.15	0.248721	0.536581	WNK5; CPuORF44	putative serine/threonine-protein kinase WNK5; conserved peptide upstream open reading frame 44
13438973	6.94	6.75	1.15	0.53132	0.687058	UXS1	UDP-glucuronic acid decarboxylase 1
13450254	6.94	6.74	1.15	0.726694	0.820869	KINESIN-13A	kinesin family member 2/24
13535622	6.94	6.78	1.11	0.790054	0.864084	PP2-A8	protein PHLOEM protein 2-LIKE A8
13469741	6.94	6.81	1.1	0.7192	0.815717	AT4G16850	hypothetical protein
13518956	6.94	6.79	1.1	0.780602	0.857295	VPS20.1	vacuolar protein sorting-associated protein 20-1
13543465	6.94	6.86	1.06	0.88448	0.929491	HAM1	histone acetyltransferase MYST1
13437925	6.94	6.9	1.03	0.90762	0.943707	AT3G51130	hypothetical protein
13486475	6.94	6.9	1.03	0.91115	0.946213	AT4G18360	(S)-2-hydroxy-acid oxidase
13403356	6.94	6.91	1.02	0.919723	0.951411	AT2G40660	OB-fold nucleic acid binding domain-containing protein
13443834	6.94	6.99	-1.03	0.925291	0.954959	VTC4	inositol-phosphate phosphatase
13395039	6.94	7.02	-1.05	0.818906	0.88411	NOP10	H/ACA ribonucleoprotein complex subunit 3-like protein
13483763	6.94	7.04	-1.07	0.204544	0.511428	ENODL19	early nodulin-like protein 19
13393103	6.94	7.2	-1.2	0.350011	0.581662	LIP1	triacylglycerol lipase 1

13364878	6.94	7.24	-1.24	0.459584	0.640794	AT1G07820; AT1G07660; AT5G59970; AT5G59690; AT3G53730; AT3G46320; AT3G45930; HIS4	histone H4
13543310	6.94	7.31	-1.3	0.368665	0.591092	AT5G64250	Aldolase-type TIM barrel family protein
13453788	6.94	7.44	-1.42	0.22693	0.52549	AT3G25930	universal stress protein (USP) family protein
13342862	6.94	7.57	-1.55	0.010078	0.296261	AT1G21090	cupredoxin-like protein
13468117	6.93	5.69	2.36	0.228257	0.526027	AT4G13340	leucine-rich repeat extensin-like protein 3
13470465	6.93	6.06	1.83	0.019749	0.322692	LSH9	hypothetical protein
13446541	6.93	6.07	1.82	0.125803	0.454936	ATSIK	protein kinase domain-containing protein
13429337	6.93	6.08	1.79	0.037085	0.360302	RR1	two-component response regulator ARR1
13545719	6.93	6.32	1.52	0.447613	0.634346	CAND1	cullin-associated NEDD8-dissociated protein 1
13440589	6.93	6.34	1.51	0.124626	0.453788	AT3G57570	armadillo/beta-catenin-like repeat-containing protein
13394315	6.93	6.35	1.49	0.299826	0.56286	PHYB	phytochrome B
13527972	6.93	6.4	1.45	0.442929	0.631085	CHR17	chromatin remodeling factor17
13502199	6.93	6.43	1.42	0.279109	0.553698	SYN4	cohesin complex subunit SCC1
13430606	6.93	6.5	1.35	0.252554	0.538793	AT3G19520; AT3G19530	hypothetical protein
13438226	6.93	6.51	1.34	0.235821	0.530405	SAC8	SAC domain-containing protein 8
13530360	6.93	6.52	1.32	0.158454	0.481102	AT5G24430	calcium dependent protein kinase-like protein
13354918	6.93	6.56	1.29	0.136291	0.465036	AT1G64050	hypothetical protein
13501771	6.93	6.59	1.27	0.540008	0.692186	AT5G15270	RNA-binding KH domain-containing protein
13437835	6.93	6.63	1.23	0.073655	0.410046	AT3G50880	DNA-3-methyladenine glycosylase II
13488377	6.93	6.66	1.21	0.635683	0.757885	CRK11	cysteine-rich receptor-like protein kinase 11
13503423	6.93	6.65	1.21	0.077984	0.413326	AT5G19300	hypothetical protein
13357425	6.93	6.74	1.14	0.457865	0.639713	AT1G70550	hypothetical protein
13534200	6.93	6.77	1.12	0.613562	0.742468	AT5G41350	RING/U-box domain-containing protein
13434495	6.93	6.78	1.11	0.513549	0.674638	NAC3	NAC domain-containing protein 3
13486394	6.93	6.79	1.1	0.561405	0.706857	AT4G18060	SH3 domain-containing protein
13481564	6.93	6.87	1.04	0.886867	0.930765	PMP22	peroxisomal membrane protein PMP22
13500435	6.93	6.89	1.03	0.894745	0.935259	AT5G11650	alpha/beta fold hydrolase family protein
13432598	6.93	7.03	-1.07	0.789943	0.864034	AT3G23940	dihydroxy-acid dehydratase
13505323	6.93	7.09	-1.11	0.760701	0.843342	YSL2	metal-nicotianamine transporter YSL2
13419142	6.93	7.46	-1.44	0.213907	0.518299	P5CS1	Gamma-glutamyl phosphate reductase
13478610	6.93	7.69	-1.69	0.215358	0.519459	CEN2	calcium-binding protein CML19
13542294	6.93	8.24	-2.48	0.011068	0.297771	AT5G61820	hypothetical protein
13535627	6.92	5.58	2.52	0.193261	0.505856	PP2-A6	protein PHLOEM protein 2-LIKE A6
13514797	6.92	5.64	2.44	0.026277	0.337733	AT5G54130	calcium-binding endonuclease/exonuclease/phosphatase family protein
13394594	6.92	5.93	1.98	0.151059	0.473698	TAG1	diacylglycerol O-acyltransferase 1
13387733	6.92	5.95	1.96	0.148038	0.471967	AT1G75510	transcription initiation factor TFIIF beta subunit
13516591	6.92	6	1.89	0.217975	0.520652	MSI1	histone-binding protein RBBP4

13515628	6.92	6.01	1.88	0.080847	0.41589	AT5G56140	RNA-binding KH domain-containing protein
13499961	6.92	6.02	1.86	0.107799	0.439775	AT5G10540	oligopeptidase A
13403931	6.92	6.03	1.85	0.163363	0.485132	AT2G41900	zinc finger CCCH domain-containing protein 30
13468636	6.92	6.08	1.79	0.274619	0.550583	AT4G14760	kinase interacting-like protein
13508937	6.92	6.12	1.74	0.073865	0.410257	UK/UPRT1	putative uracil phosphoribosyltransferase
13452624	6.92	6.16	1.7	0.289111	0.557782	AT3G22550	hypothetical protein
13443105	6.92	6.19	1.66	0.251958	0.538651	AT3G01190	peroxidase 27
13481271	6.92	6.22	1.62	0.051333	0.382129	RBP-DR1	RNA-binding protein-defense related 1
13354143	6.92	6.27	1.58	0.139522	0.466238	AT1G61670	Lung seven transmembrane receptor family protein
13391759	6.92	6.25	1.58	0.122805	0.45286	VPS11	vacuolar protein sorting 11 protein
13405885	6.92	6.31	1.52	0.02604	0.337071	DAG2	Dof zinc finger protein DOF2.5
13344436	6.92	6.33	1.51	0.010719	0.297748	TLP10	tubby-like F-box protein 10
13464733	6.92	6.39	1.44	0.121427	0.452303	SAR2	GTP-binding protein SAR1A
13533918	6.92	6.4	1.43	0.017498	0.319218	PBB2	proteasome subunit beta type-7-B
13360642	6.92	6.47	1.37	0.267203	0.546492	AT1G78420	RING/U-box domain-containing protein
13406389	6.92	6.47	1.37	0.304388	0.564882	AT2G47640; AT3G62840	small nuclear ribonucleoprotein D2
13519150	6.92	6.59	1.26	0.497215	0.663441	GCH	GTP cyclohydrolase-2
13506099	6.92	6.6	1.25	0.343244	0.579024	SHM2	serine hydroxymethyltransferase 2
13475674	6.92	6.6	1.24	0.442415	0.630913	scpl29	carboxypeptidase D
13367682	6.92	6.63	1.22	0.384644	0.597873	AT1G14010; VIK	emp24/gp25L/p24 family/GOLD domain-containing protein; VH1-interacting kinase
13454454	6.92	6.63	1.22	0.250159	0.537509	AT3G27510	Cysteine/Histidine-rich C1 domain family protein
13541399	6.92	6.63	1.22	0.55371	0.702005	AT5G59530	putative 2-oxoglutarate-dependent dioxygenase
13537101	6.92	6.68	1.18	0.393544	0.602295	AT5G48680	Sterile alpha motif (SAM) domain-containing protein
13366770	6.92	6.71	1.16	0.628368	0.752247	AT1G11670	MATE efflux family protein
13400227	6.92	6.71	1.16	0.620445	0.747332	AT2G33410	RNA recognition motif-containing protein
13442822	6.92	6.7	1.16	0.702774	0.804296	AT3G63070	Tudor/PWWP/MBT domain-containing protein
13364932	6.92	6.89	1.03	0.903215	0.940802	NF-YC10	DNA polymerase epsilon subunit 4
13408396	6.92	7.01	-1.06	0.907401	0.943635	AT2G07835; AT2G07741; atp6-1	hypothetical protein; ATP synthase subunit a-1; ATPase subunit 6
13529217	6.92	7.13	-1.16	0.217777	0.520626	AT5G22080; AT5G22070	DnaJ homolog subfamily C member 8; Core-2/I-branching beta-1,6-N-acetylglucosaminyltransferase family protein
13543280	6.92	7.34	-1.33	0.263205	0.544227	AT5G64170	dentin sialophosphoprotein-like protein
13393099	6.92	8.11	-2.28	0.014492	0.313095	AT2G15220	basic secretory protein family protein
13439494	6.91	4.36	5.82	0.007932	0.290374	PIP2;5	putative aquaporin PIP2-5
13348016	6.91	5.35	2.96	0.023548	0.330743	AT1G35330	RING-H2 finger protein ATL34
13410012	6.91	5.7	2.31	0.019968	0.322692	APC10	anaphase-promoting complex subunit 10
13379775	6.91	5.84	2.1	0.052296	0.382608	DEK1	calpain-type cysteine protease
13448589	6.91	5.91	2	0.001044	0.240568	AT3G12830	SAUR-like auxin-responsive protein
13499516	6.91	6.06	1.81	0.033057	0.354018	AT5G09290	putative SAL4 phosphatase
13373984	6.91	6.14	1.71	0.190042	0.503754	AT1G30080	glycosyl hydrolases family 17 domain-containing protein

13533454	6.91	6.15	1.69	0.228798	0.526592	AT5G39120	germin-like protein subfamily 1 member 15
13340635	6.91	6.21	1.62	0.225347	0.524988	AT1G16000	hypothetical protein
13351118	6.91	6.24	1.59	0.162405	0.484453	AT1G52310	protein kinase-like protein / C-type lectin domain-containing protein
13345090	6.91	6.28	1.55	0.193815	0.505856	AT1G27330; AT1G27350	Ribosome associated membrane protein RAMP4
13483126	6.91	6.32	1.51	0.190214	0.503959	BTI2	reticulon-like protein B2
13507052	6.91	6.32	1.5	0.430254	0.623122	AT5G32450	RNA recognition motif (RRM)-containing protein
13423365	6.91	6.34	1.48	0.265311	0.545853	AT3G02560	40S ribosomal protein S7-2
13407956	6.91	6.38	1.45	0.004522	0.262377	AT2G05230; AT2G05250	DNAJ heat shock N-terminal domain-containing protein
13363082	6.91	6.38	1.45	0.11526	0.446247	AT1G04190	tetratricopeptide repeat-containing protein
13445752	6.91	6.42	1.41	0.049505	0.378802	AT3G06690	acyl-CoA dehydrogenase domain-containing protein
13489486	6.91	6.42	1.41	0.279333	0.553724	SLK1	protein SEUSS-like 1
13366195	6.91	6.47	1.35	0.052943	0.383093	CPISCA	Iron-sulfur assembly protein IscA
13435102	6.91	6.54	1.3	0.370673	0.591914	JAZ11	protein TIFY 3A
13407545	6.91	6.58	1.26	0.072158	0.408352	AT2G03640	nuclear transport factor 2 and RNA recognition motif domain-containing protein
13507377	6.91	6.57	1.26	0.497496	0.663552	AT5G35730	EXS (ERD1/XPR1/SYG1) domain protein
13397474	6.91	6.67	1.18	0.079417	0.414177	AT2G26600	glycosyl hydrolases family 17 domain-containing protein
13534815	6.91	6.75	1.11	0.47547	0.649535	TAF4	TBP-associated factor 4
13454110	6.91	6.85	1.04	0.8645	0.915454	AT3G26910	hydroxyproline-rich glycoprotein family protein
13394795	6.91	6.87	1.03	0.90486	0.941796	AT2G19880	nucleotide-diphospho-sugar transferase domain-containing protein
13427951	6.91	6.94	-1.02	0.950583	0.970589	NF-YA6	nuclear transcription factor Y subunit A-6
13440076	6.91	6.93	-1.02	0.936023	0.961246	AT3G56130	biotin/lipoyl attachment domain-containing protein
13335339	6.91	6.99	-1.06	0.796667	0.869063	AHP5	histidine-containing phosphotransfer protein 5
13438702	6.91	7.06	-1.11	0.53391	0.688321	AT3G52920	hypothetical protein
13451525	6.91	7.12	-1.16	0.374517	0.593032	DWF1	cell elongation protein DIMINUTO
13345418	6.91	7.21	-1.23	0.1327	0.462428	AT1G28060	Pre-mRNA-splicing factor 3
13378767	6.91	7.35	-1.36	0.168216	0.487067	AT1G52670	biotin carboxyl carrier protein (BCCP) domain-containing protein
13466335	6.91	7.43	-1.43	0.153342	0.476381	SAPX	L-ascorbate peroxidase
13463206	6.91	8.2	-2.45	0.020172	0.322692	AT3G62270	putative boron transporter 2
13535826	6.9	5.19	3.28	0.042432	0.369177	AT5G45480	hypothetical protein
13399740	6.9	5.19	3.25	0.001307	0.242634	AT2G32280	hypothetical protein
13490493	6.9	5.54	2.57	0.060735	0.396635	AT4G27640	armadillo/beta-catenin-like repeat-containing protein
13532188	6.9	5.61	2.45	0.007414	0.289247	MBD02	methyl-CPG-binding domain protein 02
13508039	6.9	5.66	2.37	0.017689	0.319218	AT5G38350	TIR-NBS-LRR class disease resistance protein
13462427	6.9	5.9	2	0.090421	0.427332	AT3G60320	hypothetical protein
13430227	6.9	5.92	1.98	0.042342	0.368598	AT3G18740	60S ribosomal protein L30-3
13491800	6.9	6.01	1.85	0.096099	0.432107	FAD6	omega-6 fatty acid desaturase

13525968	6.9	6.02	1.84	0.105743	0.437428	AT5G14210	leucine-rich repeat protein kinase-like protein
13342773	6.9	6.08	1.77	0.031825	0.352572	ESC	putative DNA-binding protein ESCAROLA
13364480	6.9	6.16	1.67	0.016297	0.315398	AT1G07020; AT1G07010	hypothetical protein; calcineurin-like metallo-phosphoesterase-like protein
13517741	6.9	6.24	1.58	0.310433	0.566973	AT5G61140	U5 small nuclear ribonucleoprotein helicase
13509153	6.9	6.28	1.54	0.160607	0.483101	XPB1	DNA repair helicase XPB1
13373959	6.9	6.37	1.45	0.310993	0.566973	MNS3	mannosyl-oligosaccharide 1,2-alpha-mannosidase MNS3
13536270	6.9	6.42	1.4	0.385923	0.598511	AT5G46550	DNA-binding bromodomain-containing protein
13525345	6.9	6.46	1.36	0.386172	0.598591	DiT1	dicarboxylate transporter 1
13407490	6.9	6.47	1.35	0.274712	0.550583	AT2G03390	uvrB/uvrC motif-containing protein
13509051	6.9	6.49	1.33	0.370606	0.591914	AT5G41100	hypothetical protein
13393672	6.9	6.54	1.28	0.337292	0.577005	HSK	homoserine kinase
13415238	6.9	6.56	1.27	0.188721	0.502829	AT2G31060	elongation factor-like protein
13343083	6.9	6.59	1.24	0.601504	0.733237	PBC1	proteasome subunit beta type-3-A
13490560	6.9	6.59	1.24	0.279205	0.553698	TAP38	protein phosphatase 2C 57
13485337	6.9	6.67	1.17	0.190527	0.503959	FCA	RNA binding / abscisic acid binding protein
13363695	6.9	6.76	1.1	0.499208	0.664489	AT1G05270	TraB-like protein
13395371	6.9	6.76	1.1	0.434949	0.626354	UFD1	ubiquitin fusion degradation 1
13542585	6.9	6.79	1.08	0.470217	0.646758	AT5G62610	transcription factor bHLH79
13358744	6.9	6.82	1.06	0.863563	0.914837	PIN1	auxin efflux carrier component 1
13339496	6.9	6.83	1.05	0.188936	0.502829	PIRL3	ras group-related protein LRR 3
13355289	6.9	7.2	-1.23	0.370376	0.591914	AT1G64880	Ribosomal protein S5 family protein
13454492	6.9	7.22	-1.25	0.344322	0.579452	AT3G27570	Sucrase/ferredoxin-like protein
13348183	6.9	7.7	-1.74	0.038961	0.364658	ANNAT1	annexin D1
13380368	6.9	7.93	-2.04	0.021749	0.325596	AT1G56300	chaperone DnaJ-domain containing protein
13392347	6.9	8.29	-2.62	0.415761	0.61494	AT2G07775	hypothetical protein
13390137	6.89	5.51	2.6	0.038491	0.364062	AT1G80530	nodulin family protein
13452708	6.89	5.85	2.07	0.017128	0.319147	AT3G22800	leucine-rich repeat extensin-like protein 6
13361537	6.89	5.91	1.97	0.093848	0.430403	AT1G80440	F-box/kelch-repeat protein
13385769	6.89	5.92	1.96	0.111733	0.443131	CRK2	cysteine-rich receptor-like protein kinase 2
13426867	6.89	5.95	1.91	0.096661	0.43273	SPY	putative UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase SPINDLY
13501936	6.89	6	1.86	0.082548	0.417856	AT5G15730	putative serine/threonine protein kinase
13445299	6.89	6.01	1.84	0.09575	0.431773	AT3G05990	leucine-rich repeat-containing protein
13410689	6.89	6.04	1.81	0.088954	0.425695	COV1	hypothetical protein
13537581	6.89	6.12	1.71	0.225319	0.524988	EXO84B	exocyst complex component 84B
13394127	6.89	6.18	1.63	0.203501	0.510817	COAD	phosphopantetheine adenylyltransferase
13351979	6.89	6.21	1.6	0.116256	0.446833	AT1G54200	hypothetical protein
13464962	6.89	6.26	1.55	0.230104	0.527363	AT4G02540	cysteine/histidine-rich C1 domain-containing protein
13451313	6.89	6.28	1.53	0.126255	0.455497	NHD1; AT3G19480	sodium:hydrogen antiporter 1; D-3-phosphoglycerate dehydrogenase
13406182	6.89	6.33	1.48	0.198242	0.508011	AT2G47320	Peptidyl-prolyl cis-trans isomerase CYP21-3
13461611	6.89	6.33	1.47	0.095207	0.431535	RBL15	rhomboid-like protein 15
13415451	6.89	6.36	1.45	0.29666	0.561934	ARI7	putative E3 ubiquitin-protein ligase ARI7
13406894	6.89	6.37	1.43	0.008579	0.293015	AT2G01630	glucan endo-1,3-beta-glucosidase 3

13470156	6.89	6.39	1.41	0.087075	0.422399	AT4G17940	tetratricopeptide repeat domain-containing protein
13483726	6.89	6.43	1.38	0.465676	0.64451	AT4G12790	ATP-binding family protein
13432899	6.89	6.44	1.36	0.070784	0.40759	AT3G24830	60S ribosomal protein L13a-2
13398212	6.89	6.45	1.35	0.10712	0.439338	AT2G28315	nucleotide/sugar transporter-like protein
13426609	6.89	6.56	1.26	0.372676	0.592085	BZIP28	putative bZIP transcription factor
13498992	6.89	6.58	1.23	0.262324	0.543595	GUS2	Heparanase-like protein 1
13453663	6.89	6.59	1.22	0.53344	0.688042	AT3G25610	phospholipid-transporting ATPase 10
13432354	6.89	6.61	1.21	0.260115	0.542732	AT3G23540	esterase/lipase domain-containing protein
13475055	6.89	6.61	1.21	0.469465	0.646573	RPT2a	26S proteasome regulatory subunit 4-A
13524941	6.89	6.64	1.19	0.404005	0.608498	KEA6	K(+) efflux antiporter 6
13379771	6.89	6.65	1.18	0.670307	0.781155	AGP21	arabinogalactan protein 21
13514664	6.89	6.66	1.18	0.121372	0.452303	AT5G53770	Nucleotidyltransferase family protein
13355387	6.89	6.68	1.16	0.520074	0.678825	AT1G65220	armadillo/beta-catenin-like repeat-containing protein
13377501	6.89	6.68	1.16	0.354723	0.584383	NQR	ARP protein
13535176	6.89	6.68	1.16	0.532196	0.687596	AT5G43960	nuclear transport factor 2 and RNA recognition motif domain-containing protein
13449256	6.89	6.7	1.14	0.498059	0.663899	AT3G14067	Subtilase family protein
13544135	6.89	6.8	1.06	0.675637	0.785021	PAD2	proteasome subunit alpha type-7-B
13473478	6.89	6.92	-1.02	0.92808	0.956491	FIB2	rRNA 2'-O-methyltransferase fibrillarin 2
13421853	6.89	6.95	-1.04	0.813269	0.880552	UBC6	ubiquitin-conjugating enzyme E2 6
13361721	6.89	6.98	-1.06	0.83479	0.895507	CCR2	cinnamoyl-CoA reductase
13485325	6.89	7.22	-1.26	0.199979	0.509273	AT4G16260	catalytic/ cation binding / hydrolase
13397292	6.89	7.33	-1.36	0.111536	0.443023	CYP711A1; IQD6	cytochrome P450, family 711, subfamily A, polypeptide 1; IQ-domain 6 protein
13405362	6.88	4.42	5.5	0.024863	0.33454	AT2G45360	hypothetical protein
13476870	6.88	4.88	3.99	0.019437	0.321499	AT4G32910	hypothetical protein
13419677	6.88	5.45	2.69	0.016719	0.316275	MYBC1	myb family transcription factor
13407728	6.88	5.58	2.46	0.06111	0.39761	XERICO	RING/U-box domain-containing protein
13485477	6.88	5.67	2.32	0.030135	0.350098	AT4G16490	armadillo/beta-catenin-like repeat-containing protein
13356270	6.88	5.83	2.07	0.071351	0.408234	AT1G67720	putative LRR receptor-like serine/threonine-protein kinase
13484692	6.88	5.89	1.99	0.079322	0.414078	PPD2	protein TIFY 4B
13446919	6.88	5.92	1.95	0.151097	0.473698	AT3G09470	UNC93-like protein
13516692	6.88	6	1.84	0.133433	0.462988	AT5G58410	HEAT/U-box domain-containing protein
13544453	6.88	6.09	1.73	0.148154	0.471967	AT5G66730	C2H2-like zinc finger protein
13366330	6.88	6.09	1.72	0.1425	0.468651	SEX1	alpha-glucan water dikinase 1
13369953	6.88	6.11	1.72	0.153305	0.476366	ARF19	auxin response factor 19
13418386	6.88	6.14	1.68	0.026793	0.339456	VCL1	vacuoleless1 (VCL1)
13498712	6.88	6.14	1.67	0.124323	0.453788	BON2	calcium-dependent phospholipid-binding copine-like protein
13521390	6.88	6.15	1.66	0.067468	0.405582	AT5G03030; AT5G03020	chaperone DnaJ-domain containing protein; F-box/kelch-repeat protein
13540491	6.88	6.15	1.66	0.089921	0.427018	AT5G57410	Afadin/alpha-actinin-binding protein
13476692	6.88	6.19	1.61	0.06881	0.406403	GLB3	hemoglobin 3
13469615	6.88	6.23	1.57	0.112309	0.443388	AT4G16650	O-fucosyltransferase family protein
13526575	6.88	6.28	1.52	0.235046	0.529694	EMB2773	cohesin loading factor subunit SCC2
13346294	6.88	6.3	1.49	0.120684	0.452158	CCC1	cation-chloride co-transporter 1

13452343	6.88	6.31	1.48	0.117695	0.447676	AT3G21610	Acid phosphatase/vanadium-dependent haloperoxidase-related protein
13348740	6.88	6.34	1.46	0.119283	0.449799	AT1G43900	putative protein phosphatase 2C 11
13404711	6.88	6.33	1.46	0.233783	0.529356	AT2G44065	ribosomal protein L2-like protein
13458911	6.88	6.47	1.33	0.038745	0.364658	BZIP24	basic leucine zipper 24
13492327	6.88	6.5	1.3	0.42272	0.618789	PANK2	pantothenate kinase 2
13395202	6.88	6.53	1.27	0.303347	0.564129	AT2G20820	hypothetical protein
13390287	6.88	6.54	1.26	0.221431	0.522682	AT1G80950	lysophosphatidylcholine acyltransferase / lyso-PAF acetyltransferase
13344369	6.88	6.56	1.24	0.058667	0.394143	AT1G24800; AT1G24881; AT1G25055; AT1G25150; AT1G25211	F-box protein; F-box family protein
13442088	6.88	6.59	1.22	0.357401	0.584918	FUS6	COP9 signalosome complex subunit 1
13382095	6.88	6.61	1.21	0.479865	0.652001	AT1G61780	postsynaptic-related protein
13468507	6.88	6.66	1.16	0.589087	0.726702	AHL20	AT-hook motif nuclear-localized protein 20
13455680	6.88	6.73	1.11	0.746053	0.833247	AT3G43220	Phosphoinositide phosphatase family protein
13373607	6.88	6.77	1.09	0.764678	0.846048	UNE1	hypothetical protein
13482849	6.88	6.86	1.01	0.931501	0.958357	AT4G10480	Nascent polypeptide-associated complex subunit alpha-like protein 4
13515100	6.88	6.89	-1.01	0.86352	0.914837	AT5G54855	pollen_Ole_e_I-domain containing protein
13423007	6.88	6.97	-1.07	0.321943	0.571488	TPLATE	TPLATE protein
13348842	6.88	7.1	-1.17	0.39918	0.605136	AT1G44835	YbaK/aminoacyl-tRNA synthetase-associated domain-containing protein
13466639	6.88	7.2	-1.25	0.030697	0.350098	AT4G09200; AT4G09310; AT4G09250	SPla/RYanodine receptor (SPRY) domain-containing protein
13466685	6.88	7.2	-1.25	0.030697	0.350098	AT4G09200; AT4G09310; AT4G09250	SPla/RYanodine receptor (SPRY) domain-containing protein
13370360	6.88	7.4	-1.44	0.087094	0.422399	AT1G20220	Alba DNA/RNA-binding protein
13483857	6.88	7.7	-1.77	0.122669	0.45286	AT4G13180	Rossmann-fold NAD(P)-binding domain-containing protein
13360448	6.88	9.43	-5.83	0.018192	0.320384	SULTR1;2	sulfate transporter 1.2
13434680	6.87	5.19	3.19	0.092707	0.429659	COBL2	COBRA-like protein 2
13451454	6.87	5.39	2.79	0.091173	0.428337	BCAT4; IKU2	putative branched-chain-amino-acid aminotransferase 4; receptor-like protein kinase HAIKU2
13446099	6.87	5.41	2.76	0.029254	0.348027	AT3G07310	hypothetical protein
13467390	6.87	5.52	2.55	0.036648	0.359695	AT4G11310	putative cysteine proteinase
13477853	6.87	5.92	1.93	0.097937	0.433275	AT4G35220	Cyclase family protein
13470471	6.87	6	1.84	0.159934	0.482458	AT4G18630	hypothetical protein
13435953	6.87	6.05	1.77	0.230979	0.527788	EXLA1	expansin-like A1
13349800	6.87	6.06	1.76	0.066516	0.403658	AT1G48960	adenine nucleotide alpha hydrolases-like protein
13503463	6.87	6.08	1.73	0.038855	0.364658	AT5G19390	Rho GTPase activation protein
13425658	6.87	6.18	1.61	0.367129	0.590549	SCN1	Rho GDP-dissociation inhibitor 1
13409735	6.87	6.29	1.5	0.186119	0.500418	ATSERAT3;1	serine acetyltransferase 2
13438696	6.87	6.28	1.5	0.107773	0.439775	AT3G52900	hypothetical protein

13503157	6.87	6.29	1.5	0.227873	0.525957	SPL7	squamosa promoter-binding-like protein 7
13522920	6.87	6.28	1.5	0.284162	0.556096	AT5G06970	hypothetical protein
13504774	6.87	6.36	1.42	0.235653	0.530158	HUA2	Tudor/PWWP/MBT domain-containing protein
13421070	6.87	6.37	1.41	0.147423	0.471394	ITPK4	inositol-tetrakisphosphate 1-kinase 4
13513360	6.87	6.38	1.41	0.465023	0.644046	ERD1	ERD1 protein
13405514	6.87	6.38	1.4	0.308177	0.566144	DTA2	downstream target of AGL15 2
13365199	6.87	6.39	1.39	0.225099	0.524988	CRT3	calreticulin-3
13496634	6.87	6.4	1.39	0.216571	0.519792	AT5G02610	60S ribosomal protein L35-4
13340546	6.87	6.41	1.38	0.347184	0.58045	AT1G15860	hypothetical protein
13389622	6.87	6.4	1.38	0.322506	0.57165	NHX6	sodium/hydrogen exchanger 6
13422619	6.87	6.42	1.37	0.133688	0.463251	AT2G48060	hypothetical protein
13503000	6.87	6.42	1.36	0.195368	0.506367	AT5G18500	protein kinase family protein
13435152	6.87	6.44	1.35	0.149154	0.471967	AT3G43590	zinc knuckle (CCHC-type) family protein
13405011	6.87	6.46	1.33	0.396756	0.604163	MTACP-1	acyl carrier protein 1
13457821	6.87	6.47	1.32	0.35986	0.586536	CID10	CTC-interacting domain 10 protein
13514388	6.87	6.47	1.32	0.414418	0.614187	AT5G53330	Ubiquitin-associated/translation elongation factor EF1B protein
13365385	6.87	6.49	1.29	0.103987	0.436474	H2AXA	putative histone H2AXa
13508605	6.87	6.56	1.24	0.473579	0.648287	DegP9	protease Do-like 9
13385801	6.87	6.58	1.23	0.074759	0.410456	AT1G70730	phosphoglucomutase
13474030	6.87	6.57	1.23	0.220041	0.521793	AT-HF	cyclase
13426223	6.87	6.62	1.19	0.651583	0.768864	AT3G09860	hypothetical protein
13450957	6.87	6.66	1.16	0.05341	0.383838	AT3G18640	zinc finger CCCH domain-containing protein 38
13439123	6.87	6.71	1.12	0.683534	0.790478	AT3G53970	proteasome inhibitor subunit 1 (PI31)
13498458	6.87	6.91	-1.02	0.785591	0.860789	TBR	hypothetical protein
13448369	6.87	7.04	-1.12	0.726612	0.820869	ELC	protein ELC
13401083	6.87	7.08	-1.16	0.041006	0.366381	DAD2	Defender against cell death 2
13361363	6.87	7.11	-1.18	0.59771	0.731118	FRS8	FAR1-related sequence 8
13408343	6.87	7.41	-1.46	0.418954	0.616615	AT2G07706	hypothetical protein
13544894	6.87	8.64	-3.4	0.370741	0.591914		
13545096	6.87	8.64	-3.4	0.370741	0.591914		
13446787	6.87	9.18	-4.97	0.004739	0.265105	LAC7	laccase 7
13384212	6.86	4.63	4.7	0.0003	0.181632	CYP735A2	cytokinin trans-hydroxylase
13366901	6.86	5.44	2.68	0.062763	0.398525	AT1G11960	putative ERD4 protein
13511380	6.86	5.65	2.31	0.054146	0.385274	TRN2	Tetraspanin family protein
13413132	6.86	5.67	2.28	0.003367	0.253459	AT2G26190	calmodulin-binding-like protein
13391675	6.86	5.91	1.93	0.195936	0.506873	AT2G04700	Ferredoxin-thioredoxin reductase catalytic chain
13405415	6.86	5.92	1.92	0.019178	0.321499	AT2G45620	nucleotidyltransferase-like protein
13344016	6.86	5.99	1.83	0.123436	0.453558	AT1G24050	Anticodon-binding domain-containing protein
13374751	6.86	6	1.81	0.0061	0.280665	PRR1	pinoresinol reductase 1
13458521	6.86	6.01	1.81	0.133017	0.462568	TRX1	thioredoxin H1
13513899	6.86	6.09	1.71	0.169876	0.48812	MSBP1	membrane steroid-binding protein 1
13343788	6.86	6.11	1.68	0.115093	0.446247	AT1G23230	hypothetical protein
13478923	6.86	6.15	1.63	0.095704	0.431773	HAT22	homeobox-leucine zipper protein HAT22
13495264	6.86	6.2	1.58	0.168097	0.487067	AT4G38520	putative protein phosphatase 2C 64
13354730	6.86	6.22	1.56	0.234645	0.529692	AT1G63500	Protein kinase protein with tetratricopeptide repeat domain

13526773	6.86	6.23	1.55	0.194083	0.505856	AT5G16070	TCP-1/cpn60 chaperonin family protein
13347375	6.86	6.25	1.53	0.215455	0.519459	AT1G33230	TMPIT-like protein
13472817	6.86	6.3	1.47	0.019428	0.321499	SLY1	F-box protein GID2
13362083	6.86	6.3	1.47	0.160188	0.482731	AT1G01725	hypothetical protein
13447582	6.86	6.38	1.4	0.092677	0.429659	AT3G10810	C3H4 type zinc finger protein
13526843	6.86	6.39	1.38	0.335487	0.576654	AT5G16210	HEAT repeat-containing protein
13542881	6.86	6.41	1.37	0.347777	0.580603	AT5G63370	cell division cycle 2-like protein
13363588	6.86	6.46	1.33	0.332833	0.576298	AT1G05070	hypothetical protein
13341901	6.86	6.46	1.32	0.044797	0.374597	AT1G18700	DNAJ heat shock N-terminal domain-containing protein
13485218	6.86	6.47	1.31	0.402202	0.607009	IMPA-2	importin alpha isoform 2
13372474	6.86	6.54	1.25	0.246948	0.535628	AT1G26160	Metal-dependent phosphohydrolase
13372918	6.86	6.55	1.24	0.334728	0.576654	AT1G27430	GYF domain-containing protein
13346810	6.86	6.57	1.22	0.223107	0.524172	AT1G31780; AT1G31790	hypothetical protein; pentatricopeptide repeat-containing protein
13445249	6.86	6.59	1.2	0.0463	0.377124	AT3G05937	hypothetical protein
13518362	6.86	6.6	1.2	0.031756	0.352572	AT5G62460	RING/FYVE/PHD zinc finger-containing protein
13434227	6.86	6.6	1.19	0.23487	0.529692	CSLC04	xyloglucan glycosyltransferase 4
13386447	6.86	6.63	1.18	0.535843	0.689661	AT1G72550	phenylalanyl-tRNA synthetase beta chain
13483665	6.86	6.62	1.18	0.536226	0.689889	AT4G12650	endomembrane family protein 70
13398898	6.86	6.73	1.1	0.500446	0.665333	ASL5	LOB domain-containing protein 12
13476677	6.86	6.75	1.08	0.733078	0.825433	AME3	serine/threonine-protein kinase AFC3
13419492	6.86	6.84	1.01	0.889113	0.932093	AT2G40650	pre-mRNA-splicing factor 38A
13409755	6.86	6.91	-1.03	0.873818	0.922026	AT2G17700	ACT-like protein tyrosine kinase-like protein
13506083	6.86	7.06	-1.14	0.490263	0.658607	AT5G26610	D111/G-patch domain-containing protein
13359446	6.86	7.08	-1.16	0.487863	0.657069	UBC16	putative ubiquitin-conjugating enzyme E2 16
13540927	6.86	7.3	-1.35	0.22577	0.524988	LSH5	hypothetical protein
13465878	6.86	7.44	-1.49	0.310604	0.566973	AT4G05010	F-box protein
13364625	6.85	5.73	2.18	0.011622	0.300075	AT1G07300	josephin protein-like protein
13372241	6.85	5.73	2.18	0.039115	0.364658	AT1G25230	purple acid phosphatase 4
13382325	6.85	5.81	2.06	0.127524	0.45753	AT1G62390	octicosapeptide/Phox/Be.1 domain-containing protein
13470721	6.85	5.84	2.01	0.080913	0.41589	AT4G19200	proline-rich family protein
13368420	6.85	5.87	1.98	0.216609	0.519792	AT1G15420	hypothetical protein
13400390	6.85	5.87	1.98	0.166787	0.486825	CUTA	protein CutA
13359641	6.85	5.95	1.86	0.005766	0.279573	SKP1	S-phase kinase-associated protein 1
13461724	6.85	5.99	1.82	0.015719	0.315212	AT3G58670	hypothetical protein
13514424	6.85	6	1.8	0.196755	0.50752	BOB1	nudC domain-containing protein
13389317	6.85	6.03	1.77	0.070529	0.407009	AT1G79030	DNAJ heat shock N-terminal domain-containing protein
13477976	6.85	6.12	1.66	0.185343	0.499807	MRPL11	mitochondrial ribosomal protein L11
13535448	6.85	6.17	1.6	0.342476	0.579015	MAP18	microtubule-associated protein 18
13354484	6.85	6.21	1.56	0.128681	0.458836	AT1G62790	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13430665	6.85	6.23	1.54	0.311706	0.567081	AT3G19680; AT3G19690	hypothetical protein; putative pathogenesis-related protein
13447466	6.85	6.22	1.54	0.17227	0.489773	AT3G10650	hypothetical protein

13521449	6.85	6.27	1.5	0.169108	0.487604	AT5G03200; CPUORF47	RING/U-box domain-containing protein; conserved peptide upstream open reading frame 47
13405913	6.85	6.28	1.48	0.171743	0.489379	AT2G46690	SAUR-like auxin-responsive protein
13514432	6.85	6.28	1.48	0.133102	0.462568	AT5G53410	hypothetical protein
13373910	6.85	6.3	1.46	0.307732	0.565966	NRPA2	nuclear RNA polymerase A2
13517591	6.85	6.35	1.42	0.247996	0.536315	GPAT9; AT5G60630	glycerol-3-phosphate acyltransferase 9; hypothetical protein
13335573	6.85	6.39	1.37	0.162836	0.484829	PRP39	pre-mRNA-processing factor 39
13407961	6.85	6.41	1.35	0.011851	0.301412	AT2G05250; AT2G05230	DNAJ heat shock N-terminal domain-containing protein
13342989	6.85	6.43	1.34	0.307997	0.566048	AT1G21610	wound-responsive protein-like protein
13509784	6.85	6.43	1.34	0.24723	0.535874	AT5G42740	glucose-6-phosphate isomerase
13471357	6.85	6.46	1.31	0.317295	0.568854	AT4G20830	Reticuline oxidase-like protein
13479293	6.85	6.52	1.25	0.291439	0.559213	AT4G38790	ER lumen protein retaining receptor family protein
13404995	6.85	6.59	1.2	0.587624	0.725783	AT2G44530	ribose-phosphate pyrophosphokinase 5
13459484	6.85	6.59	1.2	0.480351	0.652219	RSZ32	RNA recognition motif and CCHC-type zinc finger domain-containing protein
13517357	6.85	6.61	1.19	0.591595	0.727798	AT5G60170	RNA binding (RRM/RBD/RNP motifs) family protein
13489992	6.85	6.61	1.18	0.197389	0.507696	WRKY20	putative WRKY transcription factor 20
13481945	6.85	6.71	1.11	0.568579	0.71147	RFNR1	ferredoxin--NADP+ reductase
13481842	6.85	6.9	-1.04	0.867963	0.917899	UBQ11; UBQ14	ubiquitin 11; polyubiquitin 14
13422466	6.85	6.92	-1.05	0.757021	0.840928	UXS4	UDP-xylose synthase 4
13510077	6.85	7.01	-1.11	0.516401	0.676209	AT5G43560	MATH domain-containing protein
13477349	6.85	7.05	-1.14	0.621293	0.747757	LEJ1	cystathionine beta-synthase domain-containing protein
13405561	6.85	7.18	-1.26	0.389233	0.599658	AT2G45920	U-box domain-containing protein 37
13544948	6.85	7.33	-1.4	0.226812	0.525438		
13509547	6.85	7.5	-1.57	0.164419	0.485844	AT5G42250	alcohol dehydrogenase-like 7
13408544	6.85	7.53	-1.6	0.017948	0.319749	AT2G11910	hypothetical protein
13427647	6.84	4.35	5.59	0.085758	0.420667	AT3G13435	hypothetical protein
13351374	6.84	4.79	4.14	0.052737	0.383022	AT1G52800	oxidoreductase, 2OG-Fe(II) oxygenase family protein
13418625	6.84	5.56	2.43	0.052581	0.382994	AT2G38640	protein LURP-one-related 8
13424508	6.84	5.81	2.05	0.070188	0.406528	ERCC1	DNA excision repair protein ERCC-1
13503695	6.84	5.85	2	0.006709	0.285606	AT5G19740	Peptidase M28 family protein
13519797	6.84	5.94	1.86	0.027868	0.344226	bHLH093	transcription factor bHLH93
13353220	6.84	5.97	1.83	0.179346	0.494894	AT1G58230	WD40 and Beach domain-containing protein
13494840	6.84	6.01	1.78	0.386521	0.598595	ACA2	Ca2+-transporting ATPase
13538312	6.84	6.01	1.78	0.149476	0.472443	EYE	golgi complex component-related protein
13495024	6.84	6.06	1.72	0.11653	0.446833	AT4G38060	hypothetical protein
13374952	6.84	6.18	1.57	0.13449	0.463251	HAF01; AT1G32740	transcription initiation factor TFIID subunit 1-A; SBP (S-ribonuclease binding protein) family protein
13439362	6.84	6.22	1.55	0.185862	0.500307	GCN4	ABC transporter F family member 4
13364455	6.84	6.26	1.49	0.169051	0.487586	TIC110	translocon at the inner envelope membrane of chloroplasts 110

13386539	6.84	6.27	1.48	0.285753	0.556682	AT1G72740	Homeodomain-like/winged-helix DNA-binding protein
13505874	6.84	6.41	1.34	0.129808	0.459821	AT5G26180	NOL1/NOP2/sun family protein
13369968	6.84	6.46	1.3	0.445548	0.633178	AT1G19240	hypothetical protein
13379368	6.84	6.49	1.28	0.274553	0.550583	TAFII21	transcription initiation factor TFIID subunit D7
13410831	6.84	6.51	1.26	0.001632	0.250556	ALE2	protein kinase domain-containing protein
13400103	6.84	6.53	1.24	0.504035	0.668097	COP1	E3 ubiquitin-protein ligase COP1
13372374	6.84	6.66	1.14	0.6243	0.749307	PFT1	phytochrome and flowering time regulatory protein 1
13402715	6.84	6.77	1.05	0.648661	0.766334	AT2G39340	SAC3/GANP/Nin1/mts3/eIF-3 p25-family protein
13464588	6.84	6.92	-1.06	0.386815	0.598595	AT4G01895	systemic acquired resistance (SAR) regulator protein NIMIN-1-like protein
13391544	6.84	6.96	-1.09	0.578113	0.718131	LACS8	putative AMP-binding protein
13448560	6.84	7.1	-1.2	0.151752	0.474016	ZIP1; ALIS1	zinc transporter 1; ALA-interacting subunit 1
13519141	6.84	7.19	-1.28	0.025761	0.33601	EXL2	protein EXORDIUM like 2
13500842	6.84	7.29	-1.37	0.014897	0.313095	AT5G13070	MSF1-like protein
13544272	6.84	7.33	-1.41	0.132181	0.462328	AT5G66390	peroxidase 72
13429122	6.84	7.36	-1.43	0.141547	0.467992	NSP1	Nitrile-specifier protein 1
13375095	6.84	7.47	-1.54	0.103623	0.436308	GTL1	protein GT-2-like 1
13522652	6.84	7.85	-2.01	0.106805	0.439064	AT5G06330	late embryogenesis abundant hydroxyproline-rich glycoprotein
13467627	6.84	8.4	-2.95	0.022482	0.327861	AGL14	agamous-like MADS-box protein AGL14
13536349	6.83	4.11	6.58	0.048394	0.37767		
13498088	6.83	5.53	2.47	0.018205	0.320421	AT5G05750	DNAJ heat shock N-terminal domain-containing protein
13454169	6.83	5.61	2.33	0.0646	0.401596	MUB4	membrane-anchored ubiquitin-fold protein 4
13471203	6.83	5.85	1.98	0.082081	0.417191	AT4G20380	zinc finger protein LSD1
13337559	6.83	5.88	1.93	0.130799	0.460628	EDR1	protein kinase domain-containing protein
13396853	6.83	5.91	1.9	0.069028	0.406403	GPX1	phospholipid hydroperoxide glutathione peroxidase 1
13448492	6.83	5.91	1.89	0.217696	0.520626	emb2742	CTP synthase
13439012	6.83	5.94	1.85	0.109482	0.440715	PPa4	pyrophosphorylase 4
13383107	6.83	6	1.79	0.260483	0.542969	AT1G64470	ubiquitin-like protein
13532524	6.83	6.04	1.73	0.223989	0.524647	AT5G36160	tyrosine aminotransferase
13359974	6.83	6.07	1.7	0.271655	0.548926	SEC5A	exocyst complex component 2
13510883	6.83	6.16	1.59	0.222388	0.523514	AT5G45430; CPuORF24	conserved peptide upstream open reading frame 24
13367598	6.83	6.18	1.56	0.165109	0.485944	PGL1	6-phosphogluconolactonase 1
13469807	6.83	6.25	1.5	0.197337	0.507694	AT4G17150	esterase/lipase domain-containing protein
13413641	6.83	6.28	1.47	0.002741	0.253459	AT2G27140	heat shock family protein
13351635	6.83	6.29	1.45	0.004556	0.262483	AT1G53400	Ubiquitin domain-containing protein
13336555	6.83	6.33	1.41	0.129737	0.459766	TPS7	putative alpha,alpha-trehalose-phosphate synthase [UDP-forming] 7
13439599	6.83	6.36	1.39	0.22023	0.52188	AT3G55070	LisH/CRA/RING-U-box domain-containing protein
13450703	6.83	6.37	1.38	0.529562	0.68615	AT3G17850	protein kinase family protein

13504324	6.83	6.4	1.35	0.282761	0.55555	AT5G21990	tetratricopeptide repeat domain-containing protein
13383125	6.83	6.4	1.34	0.039305	0.364658	AT1G64561	hypothetical protein
13399415	6.83	6.4	1.34	0.142564	0.468651	AT2G31610	40S ribosomal protein S3-1
13510380	6.83	6.43	1.32	0.264354	0.54536	ALA2	phospholipid-translocating ATPase
13387347	6.83	6.44	1.31	0.568565	0.71147	GSTU10	glutathione S-transferase TAU 10
13495668	6.83	6.44	1.31	0.365889	0.590066	AT4G39280	phenylalanyl-tRNA synthetase alpha chain
13501244	6.83	6.45	1.31	0.196154	0.507008	NACA3	Nascent polypeptide-associated complex subunit alpha-like protein 3
13385254	6.83	6.45	1.3	0.081066	0.41589	SIK1	protein kinase domain-containing protein
13339521	6.83	6.55	1.21	0.08052	0.415135	PBE1	proteasome subunit beta type-5-A
13342196	6.83	6.56	1.21	0.313807	0.568024	DA1	protein DA1
13490031	6.83	6.57	1.2	0.530274	0.686589	AT4G26750	vacuolar protein sorting-associated protein VTA1
13508969	6.83	6.63	1.15	0.198621	0.508119	TOM20-4	mitochondrial import receptor subunit TOM20-4
13341683	6.83	6.76	1.04	0.589542	0.72677	NUDT4	nudix hydrolase 4
13534705	6.83	6.89	-1.04	0.877532	0.924701	SCP2	sterol carrier protein 2
13398832	6.83	6.9	-1.05	0.805448	0.875067	AT2G29970	double Clp-N motif-containing P-loop nucleoside triphosphate hydrolase domain-containing protein
13437108	6.83	6.9	-1.05	0.674296	0.784257	AT3G48710	DEK domain-containing chromatin associated protein
13381775	6.83	7.11	-1.21	0.179553	0.495168	AT1G61100	TIR class disease resistance protein
13467059	6.83	7.11	-1.21	0.54951	0.699129	HKT1	sodium transporter HKT1
13377966	6.83	7.18	-1.28	0.26842	0.54704	AT1G50630	hypothetical protein
13337264	6.83	7.33	-1.41	0.149059	0.471967		
13367103	6.83	7.33	-1.41	0.149059	0.471967		
13413951	6.83	7.33	-1.41	0.149059	0.471967		
13414415	6.83	7.33	-1.41	0.149059	0.471967		
13436172	6.83	7.33	-1.41	0.149059	0.471967		
13456183	6.83	7.33	-1.41	0.149059	0.471967		
13486649	6.83	7.33	-1.41	0.149059	0.471967		
13500278	6.83	7.33	-1.41	0.149059	0.471967		
13511008	6.83	7.33	-1.41	0.149059	0.471967		
13517008	6.83	7.33	-1.41	0.149059	0.471967		
13517018	6.83	7.33	-1.41	0.149059	0.471967		
13524728	6.83	7.33	-1.41	0.149059	0.471967		
13521038	6.83	7.49	-1.59	0.104685	0.437012	SR1	CBL-interacting serine/threonine-protein kinase 14
13435464	6.83	7.64	-1.75	0.03264	0.353251	FAR5	putative fatty acyl-CoA reductase 5
13393293	6.83	9.1	-4.81	0.000835	0.21887	COR413-PM1	cold regulated 413 plasma membrane 1
13426114	6.82	5.22	3.04	0.019151	0.321499	AT3G09600	myb family transcription factor
13474362	6.82	5.77	2.06	0.06654	0.403684	ISI1	impaired sucrose induction 1 protein
13451718	6.82	5.88	1.91	0.078115	0.413717	AT3G20340	hypothetical protein
13428546	6.82	5.9	1.9	0.147567	0.471644	AT3G15260	putative protein phosphatase 2C 39
13506020	6.82	5.91	1.89	0.245234	0.535223	AT5G26740	hypothetical protein
13431786	6.82	6	1.77	0.028963	0.347685	PMH2	DEAD-box ATP-dependent RNA helicase 53
13393718	6.82	6.15	1.59	0.148072	0.471967	AT2G17360	40S ribosomal protein S4-1

13463633	6.82	6.17	1.58	0.06027	0.395932	ATMRK1	protein kinase family protein
13368219	6.82	6.17	1.56	0.041403	0.367619	scpl50	serine carboxypeptidase-like 50
13495131	6.82	6.23	1.5	0.262918	0.543906	CGL1	alpha-1,3-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase
13481205	6.82	6.27	1.46	0.266494	0.546291	AT4G03020	transducin/WD40 domain-containing protein
13429328	6.82	6.29	1.44	0.014893	0.313095	AT3G16850	glycoside hydrolase family 28 protein / polygalacturonase (pectinase) family protein
13433100	6.82	6.31	1.42	0.235948	0.530405	AT3G25470	putative hemolysin
13513182	6.82	6.34	1.4	0.080054	0.414323	SAE1B	SUMO-activating enzyme subunit 1B
13537840	6.82	6.35	1.39	0.324639	0.57307	EXO70F1	exocyst complex component 7
13454428	6.82	6.4	1.34	0.246691	0.535608	AT3G27460	SGF29 tudor-like domain-containing protein
13419331	6.82	6.46	1.28	0.357966	0.585541	AT2G40270	Protein kinase family protein
13357443	6.82	6.49	1.25	0.282721	0.555512	AT1G70570	putative anthranilate phosphoribosyltransferase
13457457	6.82	6.5	1.25	0.115478	0.446371	PIMT1; CYP71A21	protein-L-isoaspartate O-methyltransferase; cytochrome P450 71A21
13503902	6.82	6.6	1.16	0.112266	0.443356	AT5G20200	nucleoporin-related protein
13376857	6.82	6.62	1.15	0.37487	0.593164	AT1G48160; AT1G48170	signal recognition particle subunit SRP19; hypothetical protein
13364629	6.82	6.65	1.13	0.219542	0.521561	AT1G07310	calcium-dependent lipid-binding domain
13422054	6.82	6.67	1.11	0.585104	0.723858	AT2G46550	hypothetical protein
13355148	6.82	6.69	1.09	0.514508	0.67522	DUO3	DUO pollen 3 protein
13501014	6.82	6.71	1.08	0.115344	0.446247	NEF1	no exine formation 1
13405175	6.82	6.79	1.02	0.429733	0.622826	AT2G45030	elongation factor EF-G
13468775	6.82	6.87	-1.03	0.799081	0.870764	AT4G15030	protein FRA10AC1
13504665	6.82	7	-1.13	0.594755	0.729765	VPS24.1	vacuolar protein sorting-associated protein 24-1
13448576	6.82	7.03	-1.15	0.326981	0.574063	SDRB	peroxisomal 2,4-dienoyl-CoA reductase
13433810	6.81	4.82	3.97	0.008459	0.293015	CLC-B; AT3G27180	chloride channel protein CLC-b; S-adenosylmethionine-dependent methyltransferase-domain containing protein
13463369	6.81	5.45	2.56	0.069411	0.406403	MRP10	ABC transporter C family member 14
13343960	6.81	5.81	2	0.053123	0.383521	GAMMA-ADAPTIN 1	AP-1 complex subunit gamma-1
13520447	6.81	6.03	1.72	0.159592	0.481832	AT5G67130	PI-PLC X domain-containing protein
13515848	6.81	6.03	1.71	0.15225	0.474562	ILL1	IAA-amino acid hydrolase ILR1-like 1
13505286	6.81	6.06	1.68	0.092587	0.429659	AT5G24350	hypothetical protein
13370831	6.81	6.19	1.54	0.152587	0.475303	AT1G21380	Target of Myb protein 1
13383552	6.81	6.23	1.5	0.353399	0.583687	AT1G65540	LETM1-like protein
13529659	6.81	6.29	1.43	0.171523	0.489309	AT5G22850	aspartyl protease family protein
13458918	6.81	6.31	1.41	0.269912	0.548178	AT3G51980	nucleotide exchange factor SIL1
13545577	6.81	6.3	1.41	0.28503	0.556338	LIP1	lipoic acid synthase 1
13494068	6.81	6.4	1.33	0.393183	0.60196	AT4G35980	hypothetical protein
13381348	6.81	6.42	1.31	0.397143	0.604224	VPS34	phosphatidylinositol 3-kinase VPS34
13443640	6.81	6.41	1.31	0.177633	0.493515	AT3G02420	hypothetical protein
13511912	6.81	6.41	1.31	0.403044	0.607574	AMK2	adenosine monophosphate kinase
13384352	6.81	6.45	1.28	0.299138	0.562613	LINC1	protein little nuclei1
13343055	6.81	6.51	1.23	0.153464	0.476458	AT1G21680	DPP6 N-terminal domain-like protein
13440456	6.81	6.52	1.22	0.231596	0.528183	AT3G57220	UDP-N-acetylglucosamine--dolichyl-phosphate

13342121	6.81	6.57	1.17	0.521266	0.679824	AT1G19110	inter-alpha-trypsin inhibitor heavy chain-like protein
13492285	6.81	6.59	1.16	0.212805	0.51789	AT4G32120	putative beta-1,3-galactosyltransferase 10
13523495	6.81	6.68	1.1	0.498265	0.663965	HEMC; AT5G08270	Porphobilinogen deaminase; hypothetical protein
13502694	6.81	6.73	1.06	0.2528	0.538875	AT5G17530; AT5G17540	phosphoglucosamine mutase family protein; HXXXD-type acyl-transferase-like protein
13479330	6.81	6.74	1.05	0.745189	0.832671	AT4G38930	ubiquitin fusion degradation UFD1 family protein
13385357	6.81	6.76	1.04	0.906585	0.942939	AT1G69460	emp24/gp25L/p24 family/GOLD domain-containing protein
13526934	6.81	6.85	-1.02	0.888749	0.931997	CAC1	biotin carboxyl carrier protein of acetyl-CoA carboxylase 1
13449881	6.81	6.92	-1.08	0.589247	0.726702	GRX4	monothiol glutaredoxin-S15
13362815	6.81	6.95	-1.11	0.721631	0.817459	AT1G03550	secretory carrier-associated membrane protein 2
13409434	6.81	7.09	-1.22	0.37188	0.591916	AT2G16860	pre-mRNA-splicing factor SYF2
13495356	6.81	7.16	-1.28	0.08487	0.419334	GRP2	glycine rich protein 2
13473522	6.81	7.18	-1.29	0.473475	0.648287	XTR6	xyloglucan:xyloglucosyl transferase
13443940	6.81	7.34	-1.44	0.008136	0.291978	AT3G03150	hypothetical protein
13400788	6.81	7.36	-1.45	0.088865	0.425464	FAH1	fatty acid hydroxylase 1
13545275	6.81	7.75	-1.92	0.299373	0.562613	AT2G07739; ArthMp033; ycf1	Ycf1 protein; hypothetical protein; ycf1; Ycf1
13452567	6.81	9.11	-4.93	0.007918	0.290374	AT3G22240	hypothetical protein
13364209	6.8	5.35	2.72	0.002237	0.253459	ACD32.1; AT1G06450	alpha-crystallin domain 32.1; putative CCR4-associated factor 1-1
13388206	6.8	5.44	2.56	0.103925	0.43639	AT1G76660	hypothetical protein
13479578	6.8	5.51	2.43	0.134176	0.463251	AT4G39420	hypothetical protein
13426339	6.8	5.59	2.32	0.116937	0.446922	AT3G10190	putative calcium-binding protein CML36
13433783	6.8	5.63	2.26	0.111594	0.443023	AT3G27027	hypothetical protein
13384062	6.8	5.7	2.14	0.039102	0.364658	AR401	putative S locus-linked protein
13490817	6.8	5.7	2.14	0.008521	0.293015	AT4G28450	WD repeat and SOF domain-containing protein 1
13407112	6.8	5.71	2.12	0.085198	0.41979	AT2G02160	zinc finger CCCH domain-containing protein 17
13521190	6.8	5.86	1.93	0.059996	0.395588	NAK; AT5G02280	putative serine/threonine-protein kinase NAK; SNARE-like superfamily protein
13403019	6.8	6	1.74	0.103453	0.436198	ISA1	isoamylase 1
13531384	6.8	6.07	1.66	0.099145	0.433828	TPR3; AT5G27020	Topless-related protein 3; hypothetical protein
13493276	6.8	6.11	1.62	0.283964	0.556068	AT4G33910	oxidoreductase, 2OG-Fe(II) oxygenase family protein
13343095	6.8	6.15	1.57	0.275987	0.551066	AT1G21730	P-loop containing nucleoside triphosphate hydrolase-like protein
13400377	6.8	6.15	1.57	0.147547	0.471644	AT2G33700	putative protein phosphatase 2C 27
13476577	6.8	6.31	1.41	0.122924	0.453067	LUG	transcriptional corepressor LEUNIG
13515378	6.8	6.31	1.41	0.169691	0.488061	XYLT	beta-(1,2)-xylosyltransferase
13429479	6.8	6.32	1.4	0.268036	0.546571	HS1	putative protein Pop3
13475231	6.8	6.34	1.38	0.318499	0.569583	AT4G29490	Xaa-Pro dipeptidase

13454255	6.8	6.38	1.34	0.448609	0.635033	TOM20-3	mitochondrial import receptor subunit TOM20-3
13388570	6.8	6.38	1.33	0.078676	0.414078	RFC3	replication factor C subunit 3
13457768	6.8	6.38	1.33	0.236747	0.530949	AT3G49310	major facilitator protein
13377962	6.8	6.42	1.31	0.508724	0.671456	SCL5	scarecrow-like protein 5
13460658	6.8	6.43	1.3	0.15648	0.479127	EIF3C	translation initiation factor eIF-3 subunit 8
13463189	6.8	6.44	1.28	0.337195	0.577005	AT3G62240	RING/U-box domain-containing protein
13340110	6.8	6.48	1.25	0.221386	0.52262	AT1G14630	hypothetical protein
13468030	6.8	6.5	1.23	0.254503	0.539817	AT4G13040	Ethylene-responsive transcription factor-like protein
13423581	6.8	6.54	1.19	0.489314	0.658044	AT3G03040	F-box protein
13494542	6.8	6.6	1.15	0.396543	0.604114	IRX14	irregular xylem 14 protein / transferase
13470268	6.8	6.61	1.14	0.621655	0.747876	SS4	starch synthase 4
13439147	6.8	6.65	1.11	0.597713	0.731118	PAS1	peptidyl-prolyl isomerase PASTICCINO1
13444815	6.8	6.64	1.11	0.635853	0.757993	AT3G05050	protein kinase domain-containing protein
13413111	6.8	6.67	1.1	0.570107	0.712678	ftsh4	cell division protease ftsH-4
13353647	6.8	6.84	-1.03	0.924539	0.954493	SNL5	paired amphipathic helix protein Sin3-like 5
13442865	6.8	6.87	-1.05	0.028767	0.347331	PLP9	PATATIN-like protein 9
13452992	6.8	6.86	-1.05	0.651915	0.769066	GRP4	glycine-rich RNA-binding protein 4
13436453	6.8	7.5	-1.62	0.25615	0.540533	AT3G47510	hypothetical protein
13383656	6.8	7.65	-1.81	0.175421	0.492269	AT1G65690	late embryogenesis abundant (LEA) hydroxyproline-rich glycoprotein
13522638	6.8	7.82	-2.04	0.139059	0.466075	AT5G06300	cytokinin riboside 5'-monophosphate phosphoribohydrolase LOG7
13374272	6.79	5.36	2.7	0.085617	0.420651	AT1G30820	CTP synthase-like protein
13528758	6.79	5.43	2.56	0.023874	0.331575	WAV2	protein wavy growth 2 / esterase-lipase domain-containing protein
13460926	6.79	5.67	2.16	0.167949	0.487067	AREB3	abscisic acid-insensitive 5-like protein 2
13369228	6.79	5.68	2.15	0.001351	0.242634	NF-YA8	nuclear transcription factor Y subunit A-8
13407392	6.79	5.68	2.15	0.047695	0.37767	EXPA15	expansin A15
13448170	6.79	5.7	2.14	0.002596	0.253459	TET6	tetraspanin6
13423935	6.79	5.71	2.11	0.097536	0.433275	APRL5	protein alfin-like 5
13383473	6.79	5.79	1.99	0.075119	0.410503	AT1G65370	meprin and TRAF homology domain-containing protein
13444053	6.79	5.79	1.99	0.193959	0.505856	AT3G03330; AT3G03320	Rossmann-fold NAD(P)-binding domain-containing protein; RNA-binding ASCH domain protein
13485152	6.79	5.93	1.81	0.115663	0.446371	AT4G15920	nodulin MtN3-like protein
13419583	6.79	5.96	1.77	0.283773	0.556004	AT2G40820	hypothetical protein
13543377	6.79	5.99	1.74	0.016045	0.315398	AT5G64430	octicosapeptide/Phox/Bem1p domain-containing protein
13361171	6.79	6.04	1.68	0.16469	0.485884	NUDT3	nudix hydrolase 3
13470120	6.79	6.16	1.55	0.06461	0.401596	PYR1	abscisic acid receptor PYR1
13400605	6.79	6.16	1.54	0.132077	0.46218	AT2G34357	NUC173 domain-containing protein
13494346	6.79	6.18	1.52	0.167367	0.486855	AT4G36520	chaperone DnaJ-domain containing protein
13387824	6.79	6.2	1.5	0.014266	0.313095	AT1G75760	ER lumen protein retaining receptor family protein
13454411	6.79	6.21	1.49	0.044676	0.374597	AT3G27390	hypothetical protein
13473299	6.79	6.21	1.49	0.19144	0.504474	RIN2	E3 ubiquitin protein ligase RIN2

13445437	6.79	6.22	1.48	0.246592	0.535608	AT3G06290	SAC3/GANP/Nin1/mts3/eIF-3 p25 family protein
13336571	6.79	6.23	1.47	0.356336	0.584728	AT1G06470	nucleotide/sugar transporter-like protein
13385949	6.79	6.29	1.42	0.182183	0.497223	AT1G71070	Core-2/I-branching beta-1,6-N-acetylglucosaminyltransferase-like protein
13342975	6.79	6.38	1.33	0.375063	0.593207	SCL1	scarecrow-like protein 1
13393647	6.79	6.38	1.33	0.111008	0.442469	EMB2762	CCAAT-binding factor
13402701	6.79	6.39	1.32	0.361312	0.5879	AT2G39270; AT2G39280	P-loop containing nucleoside triphosphate hydrolase-like protein; RabGAP/TBC domain-containing protein
13389978	6.79	6.47	1.25	0.224883	0.524988	AT1G80230	cytochrome c oxidase subunit Vb
13545695	6.79	6.5	1.22	0.433308	0.625225	AT1G79990	coatomer subunit beta'-1
13545697	6.79	6.5	1.22	0.433308	0.625225	AT1G79990	coatomer subunit beta'-1
13420143	6.79	6.52	1.2	0.573363	0.715184	AT2G41960	hypothetical protein
13417463	6.79	6.54	1.19	0.530856	0.686799	TIM44-2	translocase inner membrane subunit 44-2
13339213	6.79	6.62	1.13	0.478523	0.651345	AT1G12270	putative stress-inducible protein
13450509	6.79	6.62	1.12	0.501356	0.665856	ECT6	hypothetical protein
13472581	6.79	6.64	1.11	0.358823	0.585867	AT4G23885; AT4G23890	hypothetical protein
13414110	6.79	6.69	1.07	0.741012	0.829789	AT2G28390	SAND family protein
13447807	6.79	6.7	1.07	0.748053	0.834827	AT3G11320	nucleotide-sugar transporter-like protein
13439579	6.79	6.71	1.06	0.81072	0.878797	PUR5	phosphoribosylformylglycinamidine cyclo-ligase
13440735	6.79	6.82	-1.02	0.777179	0.854948	AT3G57890	Tubulin binding cofactor C domain-containing protein
13533997	6.79	6.97	-1.13	0.305144	0.565001	PHB3	prohibitin 3
13503572	6.79	7.64	-1.8	0.201036	0.510094	MSL9	mechanosensitive channel of small conductance-like 9
13431920	6.79	7.73	-1.92	0.062695	0.398459	AT3G22620; PBD1	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein; proteasome subunit beta type-2-A
13523885	6.79	7.74	-1.93	0.042186	0.368598	AT5G09520	hydroxyproline-rich glycoprotein family protein
13484075	6.78	3.3	11.12	0.009315	0.296261		
13400329	6.78	5.69	2.14	0.000986	0.238633	AT2G33620	AT hook motif DNA-binding family protein
13520679	6.78	5.71	2.09	0.009789	0.296261	AT5G01100	O-fucosyltransferase family protein
13363973	6.78	5.88	1.86	0.064207	0.400717	AT1G05840	aspartyl protease-like protein
13369620	6.78	5.88	1.86	0.238887	0.532292	AT1G18270	ketose-bisphosphate aldolase class-II-like protein
13534073	6.78	5.89	1.86	0.216373	0.519792	AT5G41020	myb family transcription factor
13455772	6.78	5.89	1.85	0.081425	0.416553	AT3G43430	RING/U-box domain-containing protein
13370615	6.78	5.92	1.81	0.211214	0.516561	AT1G20770	hypothetical protein
13432419	6.78	5.92	1.81	0.058674	0.394143	AT3G23620	ribosome production factor 2-like protein
13535793	6.78	5.96	1.76	0.088567	0.425105	AT5G45360	F-box protein SKIP31
13405114	6.78	5.98	1.73	0.23474	0.529692	AT2G44870	hypothetical protein
13491463	6.78	6.01	1.71	0.183867	0.498487	VEL1	vernalization5/VIN3-like protein
13356803	6.78	6.06	1.65	0.146808	0.470962	AT1G68920	transcription factor bHLH49
13452364	6.78	6.07	1.63	0.181741	0.496969	CERK1	chitin elicitor receptor kinase 1
13370662	6.78	6.08	1.62	0.184989	0.49953	AT1G20890	hypothetical protein
13506045	6.78	6.08	1.62	0.320145	0.570636	AT5G26710	glutamyl-tRNA synthetase

13397214	6.78	6.1	1.6	0.004501	0.262292	ELF3	protein EARLY FLOWERING 3
13514704	6.78	6.1	1.6	0.105035	0.43719	emb2737	protein embryo defective 2737
13428555	6.78	6.13	1.57	0.198296	0.508011	AT3G15290	3-hydroxybutyryl-CoA dehydrogenase
13481226	6.78	6.17	1.52	0.248151	0.536392	BSL1	serine/threonine-protein phosphatase BSL1
13545709	6.78	6.22	1.47	0.234997	0.529694	CPSF30	cleavage and polyadenylation specificity factor CPSF30
13541041	6.78	6.23	1.46	0.117321	0.44724	AT5G58720	smr (Small MutS Related) domain-containing protein
13358654	6.78	6.26	1.44	0.135524	0.464637	AT1G73430	sec34-like protein
13521118	6.78	6.26	1.44	0.106737	0.439045	AT5G02020	hypothetical protein
13424202	6.78	6.28	1.42	0.226533	0.525312	AT3G04600	tryptophanyl-tRNA synthetase
13348222	6.78	6.31	1.39	0.432892	0.625185	ACC1	acetyl-CoA carboxylase 1
13498221	6.78	6.31	1.38	0.255684	0.540325	AT5G06120	armadillo/beta-catenin-like repeat-containing protein
13415767	6.78	6.37	1.33	0.414452	0.614187	AT2G32070	putative CCR4-associated factor 1-7
13408099	6.78	6.37	1.32	0.397529	0.604424	ELF8	protein early flowering 8
13468811	6.78	6.43	1.27	0.241083	0.533477	AT4G15093	4,5-DOPA dioxygenase extradiol-like protein
13402817	6.78	6.48	1.23	0.47937	0.651723	AT2G39580	hypothetical protein
13405381	6.78	6.49	1.23	0.428351	0.622322	DHDPS2	dihydrodipicolinate synthase
13343424	6.78	6.51	1.2	0.373812	0.592616	AT1G22610	C2 domain-containing protein
13469120	6.78	6.54	1.18	0.669601	0.780746	CLA1	Deoxyxylulose-5-phosphate synthase
13448300	6.78	6.66	1.09	0.735878	0.827244	AT3G12260	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex 6
13380638	6.78	6.72	1.05	0.808809	0.87745	SK42	glycogen synthase kinase 3 beta
13424935	6.78	6.77	1.01	0.962144	0.977707	AT3G06180	ribosomal protein L34e-like protein
13470189	6.78	6.76	1.01	0.936107	0.961297	AT4G18070	hypothetical protein
13422697	6.78	6.83	-1.03	0.882756	0.928528	GAUT13	alpha-1,4-galacturonosyltransferase
13433932	6.78	6.83	-1.03	0.626018	0.750502	PBB1	proteasome subunit beta type-7-A
13450035	6.78	6.9	-1.09	0.580933	0.720723	AT3G15980	coatomer subunit beta'-3
13351733	6.78	6.92	-1.1	0.716338	0.813698	NTMC2T6.1	calcium-dependent lipid-binding domain
13360740	6.78	7.01	-1.17	0.602529	0.733926	GGH1	gamma-glutamyl hydrolase 1
13338142	6.78	7.13	-1.28	0.108481	0.440568	XBCP3; PUP16	xylem bark cysteine peptidase 3; purine permease 16
13450593	6.78	7.37	-1.51	0.494084	0.661006	AT3G17460	PHD finger family protein
13392286	6.78	7.7	-1.9	0.539047	0.691822	AT2G07701; nad1; ArthMp036	hypothetical protein; NADH dehydrogenase subunit 1
13545145	6.78	7.7	-1.9	0.539047	0.691822	AT2G07701; nad1; ArthMp036	hypothetical protein; NADH dehydrogenase subunit 1
13545372	6.78	7.7	-1.9	0.539047	0.691822	AT2G07701; nad1; ArthMp036	hypothetical protein; NADH dehydrogenase subunit 1
13478769	6.78	8.52	-3.34	0.002741	0.253459	CYP81F4; AT4G37409	cytochrome P450, family 81, subfamily F, polypeptide 4; hypothetical protein
13356110	6.77	5.12	3.13	0.023125	0.330182	ASY1	DNA-binding HORMA-like protein
13429604	6.77	5.65	2.18	0.154361	0.47737	AT3G17626	structural constituent of ribosome
13378806	6.77	5.76	2.01	0.093187	0.429815	AT1G52710	cytochrome c oxidase-related protein
13403301	6.77	5.82	1.94	0.012954	0.304634	KT2	potassium transporter 2
13411685	6.77	5.83	1.92	0.161851	0.483588	CYCD2;1	cyclin-D2-1
13506733	6.77	5.85	1.9	0.066388	0.403288	AT5G27950	kinesin motor protein-like protein
13480404	6.77	5.85	1.88	0.115535	0.446371	GBF2	G-box binding factor 2

13353781	6.77	5.94	1.77	0.166295	0.486355	AT1G60420	putative nucleoredoxin 1
13465872	6.77	6.01	1.69	0.045231	0.375052	VPS28-2	vacuolar protein sorting-associated protein 28-2
13543710	6.77	6.02	1.68	0.002331	0.253459	AT5G65260	RNA recognition motif-containing protein
13417589	6.77	6.05	1.65	0.10898	0.440715	AT2G36360; AT2G36355	galactose oxidase/kelch repeat-containing protein; hypothetical protein
13495645	6.77	6.06	1.63	0.026202	0.337568	AT4G39230	NmrA-like negative transcriptional regulator family protein
13496939	6.77	6.08	1.61	0.207905	0.513672	AT5G03345	hypothetical protein
13507277	6.77	6.07	1.61	0.151236	0.473698	AT5G35430	CCR4-NOT transcription complex subunit 10
13360197	6.77	6.12	1.57	0.195559	0.506402	AT1G77420	alpha/beta-hydrolase-like protein
13344177	6.77	6.17	1.52	0.112285	0.443356	NFD2	nuclear fusion defective 2 protein /ribonuclease III
13526865	6.77	6.19	1.5	0.026909	0.340085	AT5G16220	octicosapeptide/Phox/Bem1p domain-containing protein
13419834	6.77	6.19	1.5	0.056014	0.388357	LIS	U4/U6 small nuclear ribonucleoprotein PRP4-like protein
13424293	6.77	6.2	1.48	0.189495	0.503143	AT3G04830	prenylyltransferase-like protein
13334459	6.77	6.24	1.44	0.027328	0.342082	AT1G01710	palmitoyl-CoA hydrolase
13344650	6.77	6.24	1.44	0.114445	0.445522	AT1G26460	pentatricopeptide repeat-containing protein
13466117	6.77	6.25	1.43	0.002493	0.253459	AT4G06534	hypothetical protein
13421022	6.77	6.28	1.4	0.098576	0.433275	HOL3	putative thiol methyltransferase 2
13500932	6.77	6.28	1.4	0.16108	0.483253	AT5G13260	hypothetical protein
13431441	6.77	6.3	1.38	0.099108	0.433828	MED6	RNA polymerase transcriptional regulation mediator-like protein
13352176	6.77	6.33	1.36	0.163144	0.484836	ACP2	acyl carrier protein 2
13372070	6.77	6.4	1.29	0.138446	0.46568	AT1G24300	GYF domain-containing protein
13449975	6.77	6.42	1.27	0.499916	0.66498	AT3G15920	Phox (PX) domain-containing protein
13345548	6.77	6.45	1.25	0.546364	0.69674	AT1G28350	nucleotidyl transferase domain-containing protein
13503069	6.77	6.47	1.23	0.397129	0.604224	AT5G18640	lipase class 3 family protein
13383591	6.77	6.53	1.18	0.183917	0.498487	FRA3	Type II inositol-1,4,5-trisphosphate 5-phosphatase FRA3
13438092	6.77	6.56	1.16	0.507938	0.671029	RHD4	phosphatidylinositol-4-phosphate phosphatase RHD4
13408496	6.77	6.6	1.12	0.741465	0.830121	AT2G10950	BSD domain-containing protein
13499126	6.77	6.64	1.09	0.470156	0.646758	AT5G08200	peptidoglycan-binding LysM domain-containing protein
13430527	6.77	6.67	1.07	0.716859	0.813999	AT3G19370	hypothetical protein
13442140	6.77	6.84	-1.05	0.893846	0.934758	AT3G61240	DEAD-box ATP-dependent RNA helicase 12
13449923	6.77	6.84	-1.05	0.79225	0.865663	AT3G15810	protein LURP-one-related 12
13447819	6.77	7.17	-1.32	0.006922	0.285606	PIRL9	ras group-related LRR 9 protein
13350630	6.77	7.33	-1.48	0.287512	0.557153	HTA10	histone H2A 10
13509011	6.77	7.65	-1.84	0.13527	0.464045	AT5G41040	omega-hydroxypalmitate O-feruloyl transferase
13534989	6.76	3.6	8.97	0.047177	0.377622	AT5G43520	cysteine/histidine-rich C1 domain-containing protein
13350142	6.76	4.79	3.93	0.027626	0.343339	GSTF14	glutathione S-transferase (class phi) 14

13427246	6.76	5.25	2.85	0.017247	0.319147	HCHIB	chitinase
13442108	6.76	5.31	2.73	0.037107	0.360395	AT3G61160	shaggy-related protein kinase beta
13419970	6.76	5.38	2.6	0.028888	0.347517	AT2G41710	AP2-like ethylene-responsive transcription factor
13347641	6.76	5.83	1.9	0.05637	0.389117	AT1G34040	Pyridoxal phosphate -dependent transferase-like protein
13376698	6.76	5.88	1.84	0.051232	0.382129	AT1G47830	AP-2 complex subunit sigma
13342336	6.76	5.91	1.8	0.000825	0.218667	AT1G19680	RING/U-box domain-containing protein
13356477	6.76	6.09	1.6	0.263822	0.544886	IAR1	IAA-alanine resistance protein 1
13456202	6.76	6.11	1.56	0.067136	0.405452	AT3G45040	dolichol kinase
13426520	6.76	6.14	1.54	0.163695	0.485412	NAC053	NAC domain containing protein 53
13338835	6.76	6.15	1.52	0.278188	0.552875	NRPB10	DNA-directed RNA Polymerase II subunit L
13544011	6.76	6.19	1.49	0.113315	0.444567	MLO10	MLO-like protein 10
13359399	6.76	6.2	1.47	0.037028	0.360183	AUL1	auxin-like 1 protein
13336275	6.76	6.22	1.46	0.062106	0.398248	ATX2	histone-lysine N-methyltransferase ATX2
13539814	6.76	6.22	1.46	0.155113	0.477992	AT5G55600	agenet domain-containing protein / bromo-adjacent homology (BAH) domain-containing protein
13506831	6.76	6.23	1.45	0.080737	0.415653	AT5G28320	hypothetical protein
13511116	6.76	6.23	1.44	0.179019	0.494636	AT5G46070	Guanylate-binding protein
13440380	6.76	6.25	1.43	0.328376	0.574416	AT3G57000	nucleolar essential protein-related protein
13400241	6.76	6.28	1.39	0.184586	0.499178	DAL1	protein differentiation and greening-like 1
13353957	6.76	6.39	1.29	0.175553	0.49233	AT1G61150	LisH and RanBPM domain-containing protein
13503706	6.76	6.44	1.24	0.066684	0.40382	AT5G19750	protein Mpv17
13352157	6.76	6.46	1.23	0.249926	0.537401	AT1G54520	hypothetical protein
13487456	6.76	6.49	1.21	0.331257	0.576012	AT4G21215	hypothetical protein
13394743	6.76	6.5	1.2	0.100255	0.434576	AT2G19730	60S ribosomal protein L28-1
13492183	6.76	6.53	1.18	0.414518	0.614187	AT4G31880	hypothetical protein
13416029	6.76	6.54	1.17	0.412713	0.613383	AT2G32850	AP2-associated kinase
13427237	6.76	6.6	1.12	0.600136	0.732328	NF-YC11	nuclear factor Y, subunit C11
13445253	6.76	6.63	1.09	0.738515	0.828387	AT3G05940	hypothetical protein
13348530	6.76	6.7	1.04	0.869405	0.918821	AT1G42960	hypothetical protein
13415409	6.76	6.73	1.02	0.929019	0.956907	GUN1	genomes uncoupled 1 protein
13477426	6.76	6.83	-1.05	0.240981	0.533477	AT4G34265	hypothetical protein
13355605	6.76	7.01	-1.19	0.291077	0.558985	AT1G65820	glutathione S-transferase
13542767	6.76	7.02	-1.19	0.074654	0.410456	HDA6	histone deacetylase 6
13374353	6.76	7.1	-1.27	0.194343	0.505856	AT1G31050	basic helix-loop-helix domain-containing protein
13443760	6.75	5.27	2.8	0.091173	0.428337	AT3G02750	putative protein phosphatase 2C 33
13358388	6.75	5.29	2.76	0.041722	0.368024	TRFL6	protein TRF-like 6
13492210	6.75	5.8	1.93	0.045019	0.374597	RR10	two-component response regulator ARR10
13375272	6.75	5.86	1.86	0.181655	0.496969	AT1G33780	hypothetical protein
13411653	6.75	5.87	1.84	0.0871	0.422399	AT2G22400	S-adenosylmethionine-dependent methyltransferase domain-containing protein
13495281	6.75	5.99	1.69	0.016272	0.315398	AT4G38550	phospholipase like protein (PEARLI 4)
13419646	6.75	6.02	1.66	0.071816	0.408234	UBP5	ubiquitin carboxyl-terminal hydrolase 5
13518412	6.75	6.03	1.65	0.313449	0.568008	AT5G62570	calmodulin binding protein-like protein
13519693	6.75	6.04	1.63	0.033523	0.354018	AT5G65440	hypothetical protein

13436491	6.75	6.12	1.54	0.155723	0.47876	AT3G47610	transcription regulator/ zinc ion binding protein
13401643	6.75	6.13	1.53	0.111991	0.443236	AT2G36720	acyl-CoA N-acyltransferase with RING/FYVE/PHD-type zinc finger domain-containing protein
13458563	6.75	6.19	1.47	0.177079	0.4933	AT3G51120	zinc finger CCCH domain-containing protein 44
13411366	6.75	6.24	1.43	0.299952	0.562938	AT2G21440	RNA recognition motif-containing protein
13493949	6.75	6.27	1.4	0.228999	0.52681	AT4G35785	RNA-binding (RRM/RBD/RNP motifs) family protein
13405504	6.75	6.31	1.36	0.244252	0.534851	AT2G45810	DEAD-box ATP-dependent RNA helicase 6
13389964	6.75	6.31	1.35	0.241589	0.53362	AT1G80180	hypothetical protein
13439726	6.75	6.33	1.34	0.356187	0.584705	AT3G55410	2-oxoglutarate dehydrogenase, E1 component
13520792	6.75	6.33	1.34	0.050757	0.381425	AT5G01340	Mitochondrial substrate carrier family protein
13389755	6.75	6.35	1.31	0.0649	0.401596	AT1G79740	hAT family dimerization domain-containing protein
13511338	6.75	6.38	1.29	0.510892	0.6726	AT5G46630	AP-2 complex subunit mu-1
13424151	6.75	6.39	1.28	0.440701	0.629954	AT3G04490	hypothetical protein
13432106	6.75	6.4	1.27	0.482849	0.653604	AT3G23180	HR-like lesion-inducing protein-like protein
13364006	6.75	6.53	1.16	0.350529	0.582019	CAT9	cationic amino acid transporter 9
13539975	6.75	6.56	1.14	0.519623	0.678677	AT5G56240	hypothetical protein
13375479	6.75	6.6	1.1	0.438182	0.628406	EMB3003	pyruvate dehydrogenase E2 component
13437820	6.75	6.62	1.1	0.344644	0.579681	AT3G50860; AT3G50850	AP-3 complex subunit sigma; Putative methyltransferase family protein
13450916	6.75	6.62	1.09	0.673036	0.783281	AT3G18600	DEAD-box ATP-dependent RNA helicase 51
13370554	6.75	6.71	1.03	0.918086	0.950406	AT1G20670	DNA-binding bromodomain-containing protein
13490249	6.75	6.71	1.03	0.896674	0.936413	ATK2	kinesin 2
13524145	6.75	7.04	-1.23	0.047689	0.37767	AT5G10070	RNase L inhibitor protein-like protein
13511543	6.75	7.32	-1.49	0.294899	0.56088	AT5G47050	S-ribonuclease binding protein
13422367	6.75	8.57	-3.52	0.022775	0.329269	GolS1	galactinol synthase 1
13362335	6.74	5.08	3.14	0.015176	0.313468	HFR1	transcription factor HFR1
13365977	6.74	5.39	2.54	0.00989	0.296261	AT1G10020	hypothetical protein
13351355	6.74	5.57	2.25	0.047511	0.37767	HTA9	histone H2A protein 9
13534538	6.74	5.58	2.24	0.193121	0.505817	SDG25	histone-lysine N-methyltransferase SETD1
13543644	6.74	5.63	2.16	0.027067	0.340635	AT5G65140	haloacid dehalogenase-like hydrolase domain-containing protein
13409546	6.74	5.8	1.91	0.144336	0.46949	IDH2	Isocitrate dehydrogenase [NAD] regulatory subunit 2
13471464	6.74	5.97	1.7	0.274944	0.550583	AT4G21110	bud site selection protein 31
13445699	6.74	6	1.68	0.089754	0.426826	ALDH22A1	aldehyde dehydrogenase 22A1
13535524	6.74	6.04	1.63	0.07786	0.413069	OSB3	protein OSB3
13347821	6.74	6.05	1.61	0.215458	0.519459	STOP1	protein SENSITIVE TO PROTON RHIZOTOXICITY 1
13453626	6.74	6.12	1.53	0.139492	0.466238	GLYR1	glyoxylate reductase 1

13536681	6.74	6.13	1.52	0.029922	0.349851	D6PKL2; AT5G47740	protein-serine/threonine kinase; N-terminal domain of eukaryotic serine threonine kinase-containing protein
13424559	6.74	6.15	1.5	0.24532	0.535223	ALY2	protein ALWAYS EARLY 2
13449092	6.74	6.18	1.48	0.220595	0.522003	CYP90D1	3-epi-6-deoxocathasterone 23-monooxygenase
13510772	6.74	6.19	1.46	0.049612	0.378994	AT5G45160	Root hair defective 3 GTP-binding protein (RHD3)
13429268	6.74	6.19	1.46	0.38162	0.596612	PLDP1	phospholipase D P1
13470683	6.74	6.22	1.44	0.303472	0.564135	AT4G19140	hypothetical protein
13438575	6.74	6.23	1.42	0.307506	0.565925	AT3G52570	esterase/lipase domain-containing protein
13473646	6.74	6.23	1.42	0.29179	0.559371	PEP	RNA-binding KH domain-containing protein
13418900	6.74	6.24	1.41	0.266293	0.546291	AT2G39260	RNA binding protein
13501218	6.74	6.35	1.31	0.353719	0.583873	AT5G13810	Glutaredoxin family protein
13354650	6.74	6.44	1.23	0.580564	0.720424	AT1G63220	calcium-dependent lipid-binding domain-containing protein
13473367	6.74	6.46	1.21	0.326559	0.573808	AT4G25370	Double Clp-N motif protein
13381693	6.74	6.52	1.17	0.024688	0.333641	AT1G60995	hypothetical protein
13438641	6.74	6.52	1.16	0.595917	0.730362	AT3G52710	hypothetical protein
13523612	6.74	6.54	1.15	0.479607	0.651952	AT5G08560	transducin/WD40 domain-containing protein
13337351	6.74	6.61	1.1	0.804574	0.874283	BSL2	serine/threonine-protein phosphatase BSL2
13340854	6.74	6.67	1.06	0.760211	0.842902	AT1G16500	hypothetical protein
13402639	6.74	6.67	1.05	0.697579	0.800866	AT2G39020	putative tyramine N-feruloyltransferase 4/11
13480877	6.74	6.94	-1.15	0.498263	0.663965	GH9B13	endoglucanase 17
13466659	6.74	7.02	-1.21	0.007311	0.288531	AT4G09200; AT4G09250; AT4G09310	SPla/RYanodine receptor (SPRY) domain-containing protein
13536805	6.74	7.1	-1.28	0.462745	0.643006	AT5G48110	terpene cyclase, C1 domain-containing protein
13489388	6.74	7.28	-1.46	0.090553	0.427814	FKBP53	peptidylprolyl isomerase
13524432	6.73	4.54	4.57	0.041698	0.368024	RBK1	ROP binding protein kinase 1
13467504	6.73	5.46	2.4	0.094089	0.430637	CRK34	putative cysteine-rich receptor-like protein kinase 35
13367367	6.73	5.65	2.12	0.130011	0.459898	ACA.l	phospholipid-translocating ATPase
13489623	6.73	5.71	2.03	0.180271	0.495833	AT4G25770	putative serine esterase domain-containing protein
13463922	6.73	5.83	1.87	0.030206	0.350098	RHB1A	RING-H2 finger B1A
13431668	6.73	5.84	1.85	0.073272	0.409212	AT3G22060	cysteine-rich repeat secretory protein 38
13437607	6.73	5.85	1.83	0.0313	0.351689	CKA2	casein kinase II, alpha chain 2
13500106	6.73	5.87	1.82	0.001401	0.244504	AT5G10920	argininosuccinate lyase
13341679	6.73	6.03	1.63	0.546135	0.696603	AT1G18290	hypothetical protein
13336673	6.73	6.05	1.61	0.161549	0.483432	AT1G06640	1-aminocyclopropane-1-carboxylate oxidase-2
13502379	6.73	6.05	1.6	0.032284	0.352881	DHAR3	glutathione S-transferase DHAR3
13440525	6.73	6.06	1.59	0.115583	0.446371	AT3G57340; AT3G57350	DnaJ/Hsp40 domain-containing protein; nuclear pore complex component Nup93/Nic96 domain-containing protein
13409250	6.73	6.11	1.53	0.146168	0.470765	AT2G16405	transducin/WD-40 repeat-containing protein
13344712	6.73	6.15	1.5	0.436812	0.627744	AT1G26580	hypothetical protein
13400767	6.73	6.18	1.46	0.298143	0.562461	AT2G34730	WPP domain-associated protein

13431829	6.73	6.19	1.46	0.139684	0.466238	LOX5	lipoxygenase 5
13420640	6.73	6.21	1.43	0.085593	0.420651	SPPL3	signal peptide peptidase-like 3
13366375	6.73	6.22	1.42	0.387006	0.598595	AT1G10820	hypothetical protein
13423635	6.73	6.23	1.41	0.092745	0.429659	ARFB1C	ADP-ribosylation factor B1C
13465125	6.73	6.25	1.4	0.21428	0.518724	AT4G02840	Small nuclear ribonucleoprotein family protein
13452154	6.73	6.3	1.35	0.286106	0.556865	AT3G21260	Glycolipid transfer protein (GLTP) family protein
13503263	6.73	6.3	1.34	0.47998	0.652001	AT5G19050	esterase/lipase domain-containing protein
13420245	6.73	6.36	1.29	0.413652	0.613917	BRIZ1	zinc finger (ubiquitin-hydrolase) domain-containing protein
13493412	6.73	6.37	1.28	0.168546	0.487177	AT4G34270	TIP41-like protein
13357349	6.73	6.45	1.22	0.272562	0.54945	ENT1	equilibrative nucleotide transporter 1
13480806	6.73	6.51	1.16	0.699215	0.801929	STP7; AT4G02040	sugar transport protein 7; hypothetical protein
13334860	6.73	6.53	1.14	0.390793	0.600347	AT1G02410	cytochrome c oxidase assembly protein CtaG / Cox11
13368023	6.73	6.57	1.12	0.740928	0.829727	XTH28	xyloglucan:xyloglucosyl transferase
13411316	6.73	6.59	1.1	0.758769	0.842019	AT2G21300	ATP binding microtubule motor family protein
13400468	6.73	6.67	1.04	0.883131	0.928712	AT2G34160	Alba DNA/RNA-binding protein
13376604	6.73	6.75	-1.01	0.914476	0.94818	AT1G47380	putative protein phosphatase 2C 12
13468709	6.73	6.87	-1.11	0.639291	0.759828	AT4G14950	SNARE associated Golgi protein
13493558	6.73	6.99	-1.19	0.147929	0.471913	AVA-P1; VHA-C3; AT2G16510	V-type H+-transporting ATPase 16kDa proteolipid subunit; V-type proton ATPase proteolipid subunit c1/c3/c5
13472490	6.73	7.05	-1.25	0.255503	0.540321	BTI1	reticulon-like protein B1
13445681	6.73	7.44	-1.64	0.124515	0.453788	ACLB-1	ATP-citrate lyase B-1
13450373	6.72	5.45	2.42	0.010513	0.296625	CTL2	chitinase-like protein 2
13489705	6.72	5.5	2.34	0.143683	0.469269	AT4G26060	ribosomal protein L18ae family protein
13497760	6.72	5.65	2.09	0.070878	0.40759	AT5G05160	putative leucine-rich repeat receptor-like protein kinase
13418794	6.72	5.71	2.01	0.114926	0.446247	AT2G39080	Rossmann-fold NAD(P)-binding domain-containing protein
13446161	6.72	5.76	1.94	0.147799	0.471903	AT3G07460	hypothetical protein
13372793	6.72	5.78	1.91	0.100991	0.434702	AT1G26930	F-box/kelch-repeat protein
13406445	6.72	5.93	1.73	0.001506	0.249401	AT2G47850	zinc finger CCCH domain-containing protein 32
13535612	6.72	5.98	1.67	0.102373	0.43559	TTR1	putative WRKY transcription factor 16
13491851	6.72	5.99	1.66	0.013758	0.309482	SKB1	protein arginine N-methyltransferase 5
13334772	6.72	6	1.64	0.078755	0.414078	AT1G02160	Cox19 family protein (CHCH motif)
13382828	6.72	6.02	1.63	0.054024	0.384754	AT1G63720	hypothetical protein
13379209	6.72	6.05	1.58	0.049229	0.378564	AT1G53760	hypothetical protein
13504168	6.72	6.06	1.58	0.047688	0.37767	AT5G21070	hypothetical protein
13515134	6.72	6.08	1.56	0.194325	0.505856	RBP45A	RNA-binding protein 45A
13496403	6.72	6.11	1.54	0.073402	0.409537	UNE18	Oxysterol-binding family protein
13415079	6.72	6.13	1.51	0.022905	0.329835	AT2G30700	hypothetical protein
13373174	6.72	6.14	1.5	0.319694	0.570508	AT1G28120	ubiquitin thioesterase otubain-like protein
13422062	6.72	6.14	1.49	0.218303	0.520761	AT2G46560	transducin family protein / WD-40 repeat family protein

13444318	6.72	6.15	1.49	0.382733	0.597148	AT3G03920	H/ACA ribonucleoprotein complex subunit 1
13343531	6.72	6.21	1.42	0.169802	0.48808	AT1G22790	hypothetical protein
13475852	6.72	6.22	1.42	0.299816	0.56286	AT4G31080	hypothetical protein
13535599	6.72	6.22	1.41	0.371212	0.591914	DSS1(V)	26 proteasome complex subunit DSS1
13514582	6.72	6.24	1.4	0.224505	0.524988	AT5G53620	hypothetical protein
13365838	6.72	6.28	1.35	0.043242	0.37143	SK41	Shaggy-related protein kinase kappa
13490834	6.72	6.3	1.33	0.251727	0.538552	RPN1B	26S proteasome regulatory subunit S2 1B
13340315	6.72	6.37	1.28	0.489686	0.658225	AT1G15240	phox (PX) domain-containing protein
13442963	6.72	6.37	1.27	0.158962	0.481418	AT3G63490; AT3G63500	50S ribosomal protein L1; hypothetical protein
13394326	6.72	6.45	1.2	0.226398	0.525194	AT2G18840	Integral membrane Yip1-like protein
13340251	6.72	6.51	1.16	0.31533	0.568203	AT1G15120	Ubiquinol-cytochrome C reductase hinge protein
13442711	6.72	6.56	1.12	0.396285	0.60401	GATL7	putative galacturonosyltransferase-like 7
13451350	6.72	6.56	1.12	0.733191	0.825493	AT3G19515	hypothetical protein
13523448	6.72	6.67	1.04	0.748989	0.835382	AT5G08180	H/ACA ribonucleoprotein complex subunit 2-like protein
13525833	6.72	6.75	-1.02	0.918816	0.95092	LEP	ethylene-responsive transcription factor LEP
13494418	6.72	6.77	-1.04	0.288527	0.557599	PBRP	transcription initiation factor TFIIB
13490152	6.72	6.91	-1.14	0.511973	0.673525	AT4G26990	hypothetical protein
13502867	6.72	7.2	-1.4	0.497035	0.66334		
13457134	6.72	7.66	-1.92	0.072285	0.408352	CDF3	Dof zinc finger protein DOF3.3
13428079	6.71	4.5	4.61	0.05843	0.393422	AT3G14395	hypothetical protein
13526929	6.71	5.36	2.55	0.066017	0.403288	AT5G16380	hypothetical protein
13407287	6.71	5.52	2.28	0.203635	0.510884	MYB88	myb domain protein 88
13460043	6.71	5.63	2.11	0.092757	0.429659	GR	glutathione reductase
13407050	6.71	5.71	2	0.079643	0.414219	BRL2	serine/threonine-protein kinase BRI1-like 2
13542387	6.71	5.72	1.98	0.047815	0.37767	SLK2	protein SEUSS-like 2
13426247	6.71	5.83	1.84	0.164019	0.485558	RABE1e	RAB GTPase-like protein E1E
13382993	6.71	5.85	1.82	0.051709	0.382313	TOPP3	serine/threonine-protein phosphatase PP1 isozyme 3
13484240	6.71	5.85	1.82	0.078945	0.414078	RALFL31	protein ralf-like 31
13367953	6.71	5.98	1.67	0.218216	0.520726	DECOY	protein decoy
13491185	6.71	5.99	1.64	0.122382	0.452662	PAO5	putative polyamine oxidase 5
13514548	6.71	6.02	1.62	0.242242	0.53397	YSL3	metal-nicotianamine transporter YSL3
13390544	6.71	6.04	1.58	0.275201	0.550583	AT2G01680	ankyrin repeats-containing protein
13392533	6.71	6.07	1.57	0.09478	0.431164	CRCK3	calmodulin-binding receptor-like cytoplasmic kinase 3
13451587	6.71	6.08	1.55	0.087143	0.422399	PRMT6	protein arginine N-methyltransferase 6
13528833	6.71	6.07	1.55	0.092166	0.429607	NPH4	auxin response factor 7
13495388	6.71	6.14	1.49	0.254251	0.539615	AT4G38760	hypothetical protein
13361459	6.71	6.18	1.44	0.251342	0.538459	emb1427	Spc97 / Spc98 family of spindle pole body (SBP) component
13446110	6.71	6.21	1.41	0.339043	0.577785	CSLC6	putative xyloglucan glycosyltransferase 6
13368211	6.71	6.25	1.38	0.202196	0.510403	AT1G14990	hypothetical protein
13373159	6.71	6.28	1.35	0.153368	0.476381	SCPL45	serine carboxypeptidase-like 45
13349474	6.71	6.32	1.32	0.156574	0.479262	emb2191	Cytidine/deoxycytidylate deaminase family protein

13371181	6.71	6.32	1.31	0.491072	0.659105	AT1G22200	Endoplasmic reticulum vesicle transporter protein
13376266	6.71	6.45	1.19	0.477726	0.650882	ALDH3H1	aldehyde dehydrogenase 3H1
13377249	6.71	6.48	1.17	0.70501	0.805878	AT1G48900	signal recognition particle subunit SRP54
13529865	6.71	6.52	1.14	0.197735	0.507784	AT5G23430	Katanin p80 WD40 repeat-containing subunit B1· 1
13456536	6.71	6.54	1.13	0.486914	0.656298	AT3G45850	P-loop containing nucleoside triphosphate hydrolase-like protein
13392226	6.71	6.56	1.12	0.743043	0.831249	AT2G07768	Cytochrome C assembly protein
13513701	6.71	6.54	1.12	0.337318	0.577005	AT5G51670	hypothetical protein
13370211	6.71	6.58	1.1	0.593886	0.729071	iqd32	protein IQ-domain 32
13501570	6.71	6.58	1.1	0.388273	0.599123	FDH	Formate dehydrogenase
13432653	6.71	6.61	1.07	0.663361	0.776461	AT3G24100	hypothetical protein
13340966	6.71	6.69	1.01	0.951241	0.970978	AT1G16700	Alpha-helical ferredoxin
13341698	6.71	6.74	-1.02	0.676789	0.78573	AT1G18390	protein kinase domain-containing protein
13448607	6.71	6.76	-1.04	0.8282	0.890781	AT3G12920	S-ribonuclease binding protein
13352694	6.71	6.81	-1.07	0.757015	0.840928	CSLE1	cellulose synthase-like protein E1
13377662	6.71	6.82	-1.07	0.47736	0.650631	AT1G50020; TUA2; TUA4	hypothetical protein; tubulin alpha-2/alpha-4 chain
13429484	6.71	6.81	-1.07	0.677233	0.786156	AT3G17300	hypothetical protein
13453059	6.71	6.88	-1.12	0.744038	0.831908	ING1	RING/FYVE/PHD zinc finger-containing protein
13449404	6.71	7.59	-1.84	0.040068	0.365591	PME3	pectinesterase 3
13431988	6.71	8.12	-2.65	0.073987	0.410257	APS1	ATP sulfurylase 1
13536861	6.71	8.8	-4.26	0.018486	0.321499	NSP5	nitrile specifier protein 5
13500580	6.7	5.09	3.05	0.021311	0.325044	cwINV6	beta-fructofuranosidase, insoluble isoenzyme CWINV6
13521328	6.7	5.42	2.42	0.148997	0.471967	AT5G02800	protein kinase family protein
13425126	6.7	5.77	1.91	0.074416	0.410455	AT3G06610	DNA-binding enhancer-like protein
13425604	6.7	5.87	1.77	0.185283	0.499807	AT3G07760	Sterile alpha motif (SAM) domain-containing protein
13500286	6.7	5.92	1.71	0.264167	0.545136	AT5G11350	carbon catabolite repressor protein 4-like 6
13464880	6.7	5.95	1.68	0.195742	0.506555	AT4G02370	hypothetical protein
13408850	6.7	5.96	1.66	0.125459	0.45467	AT2G14460	hypothetical protein
13335026	6.7	6.01	1.61	0.012364	0.301412	SR1	Pre-mRNA-splicing factor SF2
13467366	6.7	6.02	1.61	0.171228	0.489265	AT4G11270	transducin/WD40 domain-containing protein
13386428	6.7	6.03	1.59	0.279277	0.553724	AT1G72500	hypothetical protein
13464760	6.7	6.11	1.5	0.066132	0.403288	AT4G02120	putative CTP synthase
13473397	6.7	6.15	1.46	0.178255	0.49426	RSP35	arginine/serine-rich-splicing factor RSP40
13339357	6.7	6.17	1.45	0.047872	0.37767	AT1G12650	hypothetical protein
13449900	6.7	6.19	1.42	0.446077	0.633545	AT3G15710	signal peptidase, endoplasmic reticulum-type
13416125	6.7	6.2	1.41	0.021647	0.325596	AT2G32980	hypothetical protein
13369473	6.7	6.22	1.4	0.335472	0.576654	PAPS1	poly(A) polymerase 1
13368704	6.7	6.22	1.39	0.153547	0.476477	RH36	DEAD-box ATP-dependent RNA helicase 36
13511596	6.7	6.23	1.38	0.033746	0.354018	ERF5	ethylene-responsive transcription factor 5
13416616	6.7	6.24	1.38	0.234083	0.529452	AT2G34040	Apoptosis inhibitory protein 5 (API5)
13419352	6.7	6.28	1.34	0.18482	0.499427	AT2G40290	Eukaryotic translation initiation factor 2 subunit 1
13497596	6.7	6.29	1.33	0.007273	0.288531	CAT6	cationic amino acid transporter 6

13334238	6.7	6.29	1.33	0.172822	0.490173	AT1G01230	ORMDL-like protein
13363746	6.7	6.31	1.31	0.224039	0.524722	AT1G05350	ubiquitin-like modifier-activating enzyme 5
13377111	6.7	6.31	1.31	0.067549	0.405582	RACK1B_AT	receptor for activated C kinase 1B
13424961	6.7	6.37	1.26	0.50482	0.668458	AT-P4H-2	P4H isoform 2
13334779	6.7	6.38	1.25	0.103323	0.436038	AMC1	metacaspase 1
13441259	6.7	6.51	1.14	0.596927	0.731118	AT3G59300	pentatricopeptide repeat-containing protein-like protein
13443824	6.7	6.56	1.1	0.633887	0.756446	AT3G02860	zinc finger protein 830
13504632	6.7	6.57	1.09	0.406409	0.609532	AT5G22875	hypothetical protein
13511774	6.7	6.59	1.07	0.66003	0.774897	AT5G47660	DNA-binding protein-like protein
13543944	6.7	6.67	1.02	0.760034	0.842834	AT5G65840	peroxiredoxin (PRX)-like 2 domain-containing protein
13371953	6.7	6.78	-1.05	0.80359	0.87348	AT1G24160	hypothetical protein
13460373	6.7	6.99	-1.22	0.240344	0.533209	CER10	enoyl reductase
13392342	6.7	8.3	-3.04	0.359255	0.586108	AT2G07787	hypothetical protein
13545621	6.69	5.48	2.32	0.172834	0.490173	AT4G02120	putative CTP synthase
13367164	6.69	5.57	2.17	0.231295	0.527791	UGE1	UDP-D-glucose/UDP-D-galactose 4-epimerase 1
13338328	6.69	5.79	1.86	0.080894	0.41589	SNL6	paired amphipathic helix protein Sin3-like 6
13365776	6.69	5.8	1.86	0.097104	0.433165	U2A'	U2 small nuclear ribonucleoprotein A'
13532154	6.69	5.79	1.86	0.338378	0.577332	AT5G35210	DNA binding and zinc-finger domain-containing protein
13506949	6.69	5.93	1.7	0.235401	0.5298	AT5G28740	pre-mRNA-splicing factor SYF1
13481058	6.69	6.03	1.59	0.039084	0.364658	EOL1	ETO1-like protein 1
13425648	6.69	6.08	1.53	0.131847	0.461893	AT3G07860	U11/U12 small nuclear ribonucleoprotein
13399230	6.69	6.08	1.52	0.042532	0.369484	AT2G31140; AT2G31141	peptidase-S24/S26 domain-containing protein; hypothetical protein
13346038	6.69	6.16	1.45	0.013435	0.308201	CARB	carbamoyl phosphate synthetase B
13443703	6.69	6.17	1.43	0.136714	0.465316	RAD23C	putative DNA repair protein RAD23-3
13539321	6.69	6.17	1.43	0.136616	0.465256	ATM2; LHCB3	myosin 2; light-harvesting chlorophyll B-binding protein 3
13459455	6.69	6.21	1.39	0.121211	0.45228	PIP2A	aquaporin PIP2-1
13517252	6.69	6.31	1.3	0.222241	0.523467	AT5G59950	RNA recognition motif-containing protein
13504017	6.69	6.37	1.25	0.010602	0.296805	BRXL4	protein Brevis radix-like 4
13384885	6.69	6.36	1.25	0.601485	0.733237	ARG1	chaperone protein dnaJ 15
13452296	6.69	6.39	1.23	0.354386	0.5843	AT3G21540	transducin/WD40 domain-containing protein
13389879	6.69	6.46	1.17	0.229275	0.526925	HSP91	heat shock protein 91
13474340	6.69	6.5	1.14	0.59629	0.730614	AT4G27720	major facilitator protein
13430856	6.69	6.51	1.13	0.39292	0.601802	CYP705A15	cytochrome P450, family 705, subfamily A, polypeptide 15
13521075	6.69	6.54	1.11	0.698782	0.801741	AT5G01950	leucine-rich repeat protein kinase-like protein
13424520	6.69	6.61	1.06	0.916627	0.949611	AT3G05220	heavy-metal-associated domain-containing protein
13490516	6.69	6.66	1.02	0.927117	0.95598	PEL1	Eukaryotic release factor 1 (eRF1) family protein
13521635	6.69	6.66	1.02	0.37776	0.594163	AT5G03700	PAN domain-containing protein
13445595	6.69	6.67	1.01	0.935881	0.961135	AT3G06550	O-acetyltransferase family protein
13341382	6.69	6.72	-1.02	0.904151	0.94134	AT1G17430	alpha/beta-hydrolase domain-containing protein

13515115	6.69	6.8	-1.08	0.783761	0.859377	AT5G54870	hypothetical protein
13462351	6.69	7.05	-1.29	0.344682	0.579681		
13487812	6.69	8.07	-2.61	0.032029	0.352653	03-Apr	5'-adenylylsulfate reductase 3
13468242	6.68	5.22	2.74	0.017279	0.319147	AT4G13710	pectate lyase
13479226	6.68	5.5	2.26	0.197022	0.507661	AT4G38540	FAD/NAD(P)-binding oxidoreductase family protein
13433474	6.68	5.83	1.81	0.214456	0.518903	AT3G26370	O-fucosyltransferase family protein
13374052	6.68	5.83	1.8	0.150158	0.473173	ARF6	auxin response factor 6
13393272	6.68	5.83	1.8	0.250899	0.537953	AT2G15900; AT2G15910	phox domain-containing protein; CSL zinc finger domain-containing protein
13390322	6.68	5.86	1.77	0.097546	0.433275	AT2G01080	late embryogenesis abundant hydroxyproline-rich glycoprotein
13351025	6.68	5.89	1.73	0.10243	0.435611	AT1G51800	putative leucine-rich repeat protein kinase
13483769	6.68	5.93	1.68	0.218425	0.52078	scpl20	carboxypeptidase C
13411069	6.68	5.94	1.66	0.206551	0.513199	AT2G20790	clathrin adaptor complexes medium subunit family protein
13398300	6.68	6.02	1.58	0.23792	0.531995	AT2G28540	RNA recognition motif-containing protein
13538696	6.68	6.04	1.56	0.167847	0.487062	AT5G52540	hypothetical protein
13410848	6.68	6.04	1.55	0.31995	0.570589	AT2G20330	WD40 domain-containing protein
13420730	6.68	6.07	1.53	0.06503	0.401596	MSS3	calmodulin-like protein 5
13415158	6.68	6.14	1.45	0.429152	0.622757	AT2G30840	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase-like protein
13529349	6.68	6.14	1.45	0.333628	0.576298	ELM1	hypothetical protein
13519732	6.68	6.21	1.39	0.140087	0.466502	AT5G65470	O-fucosyltransferase family protein
13342490	6.68	6.21	1.38	0.446143	0.633582	ROP2	Rac-like GTP-binding protein ARAC4
13349931	6.68	6.23	1.37	0.171727	0.489379	ATPI4K ALPHA	phosphatidylinositol 4-kinase alpha
13347060	6.68	6.23	1.36	0.089607	0.426725	TOM2B	tobamovirus multiplication 2B protein
13371319	6.68	6.25	1.35	0.258993	0.541654	PATL2	patellin-4
13402286	6.68	6.24	1.35	0.077412	0.412497	AT2G38250	DNA-binding protein
13382811	6.68	6.3	1.3	0.20914	0.514533	YDA	YODA MAPKK kinase
13389352	6.68	6.34	1.27	0.254773	0.540021	AT1G79090	DNA topoisomerase 2-associated protein PAT1
13502007	6.68	6.47	1.16	0.261864	0.543595	AT5G15880; TBL21	hypothetical protein; protein trichome birefringence-like 21
13539698	6.68	6.5	1.13	0.470219	0.646758	EDM2	enhanced downy mildew 2
13497097	6.68	6.54	1.1	0.629025	0.752876	SBE2.2	1,4-alpha-glucan branching enzyme
13395228	6.68	6.57	1.08	0.200005	0.509273	AT2G20950	phospholipase-like protein (PEARLI 4) domain-containing protein
13487357	6.68	6.58	1.07	0.633752	0.756333	AT4G20880	ethylene-responsive/regulated nuclear protein
13443773	6.68	6.64	1.03	0.929122	0.956909	AT3G02760	histidyl-tRNA synthetase
13473733	6.68	6.7	-1.01	0.84887	0.904851	AT4G26210	ATP synthase subunit G protein
13416238	6.68	6.73	-1.03	0.889389	0.932185	HSP60-2	chaperonin CPN60-like 1
13378815	6.68	6.74	-1.04	0.872583	0.921046	AT1G52750	alpha/beta-hydrolase domain-containing protein
13407818	6.68	6.75	-1.05	0.860077	0.9127	NRPB6B	RNA polymerase Rpb6
13524135	6.68	6.83	-1.12	0.529193	0.685826	AT5G10060	ENTH/VHS family protein
13468583	6.68	6.96	-1.21	0.034087	0.354099	GLP9	germin-like protein subfamily 1 member 8
13537339	6.68	6.96	-1.21	0.389751	0.599938	AT5G49280	hydroxyproline-rich glycoprotein family protein

13341487	6.68	7.11	-1.34	0.010281	0.296261	AT1G17620	Late embryogenesis abundant (LEA) hydroxyproline-rich glycoprotein family
13461246	6.68	7.17	-1.41	0.283319	0.555903	SIP2	putative galactinol--sucrose galactosyltransferase 2
13426428	6.68	7.18	-1.42	0.19291	0.505638	SDP6	glycerol-3-phosphate dehydrogenase SDP6
13375618	6.68	7.93	-2.39	0.03139	0.351992	AT1G35250	thioesterase family protein
13361823	6.67	4.83	3.59	0.000949	0.237988	LHY	protein late elongated hypocotyl
13348089	6.67	5.29	2.6	0.01769	0.319218	AT1G35516	myb-like transcription factor family protein
13499933	6.67	5.5	2.25	0.165609	0.486069	AT5G10460	haloacid dehalogenase-like hydrolase domain-containing protein
13463567	6.67	5.51	2.22	0.160958	0.483213	TKL	TIC-like protein
13390570	6.67	5.63	2.05	0.016813	0.317232	RIE1	E3 ubiquitin protein ligase RIE1
13364075	6.67	5.77	1.87	0.11281	0.443921	AT1G06070	putative basic-leucine zipper transcription factor bZIP69
13358036	6.67	5.8	1.83	0.109733	0.440987	AT1G71840	transducin/WD-40 repeat-containing protein
13489713	6.67	5.94	1.65	0.313144	0.567941	ABI1	protein phosphatase 2C 56
13382866	6.67	5.98	1.62	0.303165	0.564046	IMP4	Ribosomal RNA processing Brix domain protein
13519145	6.67	6.01	1.58	0.047966	0.37767	AT5G64270	putative splicing factor
13491330	6.67	6.05	1.53	0.25492	0.540171	AT4G29960	hypothetical protein
13470956	6.67	6.06	1.52	0.210157	0.515378	PP2-A1	protein PHLOEM protein 2-LIKE A1
13392664	6.67	6.08	1.51	0.185308	0.499807	ABH1	nuclear cap-binding protein subunit 1
13457409	6.67	6.09	1.5	0.220368	0.52188	AT3G48195	Phox (PX) domain-containing protein
13498680	6.67	6.09	1.49	0.365022	0.589592	XBAT33	E3 ubiquitin-protein ligase XBAT33
13501820	6.67	6.13	1.46	0.054509	0.385937	AT5G15390	tRNA/rRNA methyltransferase (SpoU) family protein
13509375	6.67	6.2	1.38	0.030742	0.350246	AT5G41940	RabGAP/TBC domain-containing protein
13500495	6.67	6.23	1.35	0.130055	0.459898	AT5G11720	alpha-glucosidase
13371455	6.67	6.25	1.34	0.011442	0.297771	FRO3	ferric reduction oxidase 3
13534131	6.67	6.31	1.29	0.374196	0.592951	AT5G41190	RNA-binding protein NOB1
13372994	6.67	6.35	1.25	0.472825	0.648172	IRX9-L	nucleotide-diphospho-sugar transferase domain-containing protein
13430489	6.67	6.38	1.22	0.464006	0.643501	ABF4	abscisic acid-insensitive 5-like protein 7
13506171	6.67	6.38	1.22	0.091024	0.427987	AT5G26850	hypothetical protein
13451383	6.67	6.41	1.19	0.407963	0.610546	ZF2	zinc-finger protein 2
13449987	6.67	6.5	1.12	0.187576	0.501965	AT3G15940	UDP-glycosyltransferase-like protein
13400179	6.67	6.57	1.08	0.720932	0.817001	AT2G33255	Haloacid dehalogenase-like hydrolase
13449086	6.67	6.59	1.06	0.593111	0.728686	PRA8	PRA1 family protein F3
13436119	6.67	6.68	-1.01	0.589935	0.726928	AT3G46430; AT5G59613	hypothetical protein
13341050	6.67	6.74	-1.04	0.848059	0.904379	AT1G16810	hypothetical protein
13522072	6.67	6.73	-1.04	0.848265	0.904526	AT5G04830	Nuclear transport factor 2 (NTF2) family protein
13543684	6.67	6.74	-1.05	0.81596	0.882295	AT5G65207	hypothetical protein
13515962	6.67	6.86	-1.14	0.638106	0.759072	NAP1;3	nucleosome assembly protein 1-like 1
13412675	6.67	6.89	-1.17	0.136276	0.465036	RR12	response regulator 12
13491775	6.67	7.15	-1.39	0.522041	0.680383	AT4G30920	leucine aminopeptidase 3
13496867	6.66	4.28	5.23	0.010267	0.296261	AT5G03230	hypothetical protein
13417051	6.66	5.36	2.45	0.033878	0.354056	AT2G35040	phosphoribosylaminoimidazolecarboxamide formyltransferase / IMP

13343943	6.66	5.57	2.13	0.200907	0.50994	TPS9; AT1G23880	putative alpha,alpha-trehalose-phosphate synthase [UDP-forming] 9; NHL domain-containing protein
13477728	6.66	5.62	2.06	0.22369	0.524399	AT4G34910	DEAD-box ATP-dependent RNA helicase 16
13497472	6.66	5.72	1.92	0.190842	0.504133	AT5G04460	RING/U-box domain-containing protein
13480266	6.66	5.85	1.75	0.112542	0.443735	AT4G00800	transducin family protein / WD-40 repeat family protein
13466984	6.66	5.86	1.74	0.20204	0.510309	AT4G10140	hypothetical protein
13437737	6.66	5.87	1.73	0.207444	0.513526	CRK	CDPK-related kinase
13371830	6.66	5.88	1.72	0.064197	0.400717	RSZP21	RS-containing zinc finger protein 21
13418493	6.66	5.89	1.7	0.140006	0.466502	CXIP2	monothiol glutaredoxin-S16
13354125	6.66	5.92	1.67	0.071824	0.408234	AT1G61620	nitric oxide synthase-interacting protein
13430078	6.66	6.01	1.57	0.096284	0.432444	ATSYTF	C2 domain-containing protein
13421424	6.66	6.05	1.53	0.104675	0.437012	AT2G44970	alpha/beta-hydrolase domain-containing protein
13537621	6.66	6.13	1.44	0.40588	0.609137	AT5G49900	Beta-glucosidase, GBA2 type family protein
13465573	6.66	6.14	1.43	0.145326	0.470081	AT4G04320	malonyl-CoA decarboxylase
13350379	6.66	6.15	1.42	0.243179	0.534289	AT1G50410	SNF2 and helicase domain-containing protein
13352356	6.66	6.15	1.42	0.397865	0.604614	AT1G55090	NAD synthetase
13513650	6.66	6.25	1.32	0.316249	0.568464	AT5G51620	hypothetical protein
13373243	6.66	6.3	1.29	0.508341	0.671222	AT1G28280	VQ motif-containing protein
13352476	6.66	6.3	1.28	0.350028	0.581662	SR33	SC35-like splicing factor 33
13359109	6.66	6.32	1.27	0.371381	0.591914	XXT5	xyloglucan 6-xylosyltransferase
13383157	6.66	6.39	1.21	0.169082	0.487604	AT1G64650	general substrate transporter-like protein
13452236	6.66	6.39	1.21	0.565788	0.71023	ALY3	protein ALWAYS EARLY 3
13506524	6.66	6.38	1.21	0.554433	0.702526	LACS7	long-chain acyl-CoA synthetase 7
13458392	6.66	6.43	1.17	0.41124	0.612467	AT3G50690	acidic leucine-rich nuclear phosphoprotein 32-related protein
13353460	6.66	6.47	1.14	0.745697	0.832977	ZCF37	protein ZCF37
13542097	6.66	6.51	1.11	0.542701	0.694251	AT5G61340	hypothetical protein
13346398	6.66	6.54	1.08	0.814343	0.881217	AT1G30640	Protein kinase family protein
13461949	6.66	6.55	1.08	0.798381	0.8704	TXR1	Protein Transporter, Pam16
13385935	6.66	6.58	1.06	0.475138	0.649368	LPR2	cupredoxin-like protein
13501439	6.66	6.61	1.04	0.592792	0.728576	CXE16	carboxyesterase 16
13491784	6.66	6.68	-1.01	0.807082	0.876155	NFD1	50S ribosomal protein L21
13543544	6.66	6.67	-1.01	0.930915	0.957893	GCN5	ABC transporter F family member 5
13369561	6.66	6.71	-1.03	0.933735	0.95993	ATMPK8	mitogen-activated protein kinase 8
13472695	6.66	6.79	-1.09	0.289681	0.558085	NLP7	NIN like protein 7
13472544	6.66	7.03	-1.29	0.473879	0.648515	AT4G23800; WRKY53	HMG (high mobility group) box protein; putative WRKY transcription factor 53
13338030	6.66	7.07	-1.33	0.030931	0.351017	GLP5	germin-like protein subfamily 2 member 1
13457103	6.66	7.07	-1.33	0.441838	0.630553	PS3	phosphate starvation-induced protein
13477259	6.66	7.25	-1.5	0.049817	0.379192	AT4G33960	hypothetical protein
13488114	6.66	7.38	-1.65	0.18148	0.49681	AT4G22590; CPuORF27	haloacid dehalogenase-like hydrolase domain-containing protein; uncharacerized protein
13523888	6.66	7.42	-1.69	0.207105	0.513505	AT5G09530	hydroxyproline-rich glycoprotein family protein

13387282	6.66	7.5	-1.79	0.031436	0.351992	AT1G74460	GDSL esterase/lipase
13524856	6.65	5.34	2.47	0.022253	0.326488	AT5G11540	D-arabinono-1,4-lactone oxidase family protein
13512719	6.65	5.46	2.27	0.084718	0.418724	AT5G49680	putative cell expansion protein
13394282	6.65	5.47	2.26	0.207306	0.513526	AT2G18750	Calmodulin-binding protein
13431307	6.65	5.63	2.02	0.054141	0.385274	CYP705A33	cytochrome P450, family 705, subfamily A, polypeptide 33
13345197	6.65	5.66	1.98	0.038362	0.363354	AT1G27595	symplekin
13518840	6.65	5.73	1.89	0.228332	0.526027	SPT42	transcription elongation factor SPT4-2
13496918	6.65	5.76	1.84	0.134723	0.463251	AT5G03320	protein kinase family protein
13420553	6.65	5.8	1.81	0.232821	0.528669	PP5.2	serine/threonine-protein phosphatase 5
13541960	6.65	5.83	1.76	0.016108	0.315398	HDA05	histone deacetylase 5
13543135	6.65	5.85	1.74	0.077501	0.412519	CHR24	protein chromatin remodeling 24
13390379	6.65	5.91	1.67	0.117458	0.44752	AT2G01220	nucleotidyl transferase domain-containing protein
13491545	6.65	5.94	1.64	0.145107	0.470007	AT4G30390	hypothetical protein
13355407	6.65	6	1.57	0.152049	0.474291	PTAC4	plastid transcriptionally active 4
13422454	6.65	6.04	1.53	0.059024	0.394644	MHX	magnesium/proton exchanger
13334354	6.65	6.08	1.48	0.216297	0.519792	AN	Rossmann-fold NAD(P)-binding domain-containing protein
13431098	6.65	6.09	1.48	0.247342	0.535954	PAP18	purple acid phosphatase 18
13394640	6.65	6.17	1.4	0.265387	0.545915	FVE	histone-binding protein RBBP4
13424277	6.65	6.18	1.39	0.482664	0.653579	NEK2	serine/threonine-protein kinase Nek2
13403898	6.65	6.21	1.36	0.090662	0.427844	AT2G41760	protein N-terminal glutamine amidohydrolase
13350987	6.65	6.22	1.35	0.390673	0.600347	SYP81	syntaxin-81
13341640	6.65	6.23	1.34	0.17543	0.492269	AT1G18160	protein kinase family protein
13415163	6.65	6.3	1.28	0.210585	0.515825	AT2G30880	Pleckstrin homology (PH) domain-containing protein
13412399	6.65	6.3	1.27	0.114207	0.445313	FZF	Zinc finger protein 622
13429178	6.65	6.35	1.23	0.464163	0.643538	MPPalpha	mitochondrial processing peptidase
13534493	6.65	6.37	1.21	0.461066	0.642047	AT5G42320	metallocarboxypeptidase/ zinc ion binding protein
13362321	6.65	6.42	1.17	0.685394	0.791796	AT1G02330	hypothetical protein
13420803	6.65	6.44	1.16	0.347009	0.58045	GLX2-1	Hydroxyacylglutathione hydrolase 1
13452134	6.65	6.58	1.04	0.625963	0.750499	4CL2	4-coumarate--CoA ligase 2
13492719	6.65	6.59	1.04	0.817931	0.88355	GLDP1	glycine dehydrogenase [decarboxylating] 2
13536511	6.65	6.6	1.03	0.620818	0.747466	HAT2	homeobox-leucine zipper protein HAT2
13428530	6.65	6.85	-1.15	0.402074	0.60697	ERF4	ethylene-responsive transcription factor 4
13534610	6.65	7.14	-1.4	0.306925	0.565657	AOS	allene oxide synthase
13508874	6.65	7.16	-1.42	0.198293	0.508011	AGP24	arabinogalactan protein 24
13498499	6.65	7.24	-1.51	0.294253	0.560481	AT5G06839	bZIP transcription factor-like protein
13428384	6.65	7.41	-1.69	0.206727	0.513335	PPC3	phosphoenolpyruvate carboxylase 3
13528598	6.65	7.64	-1.98	0.07396	0.410257	SPS1F	sucrose phosphate synthase 1F
13403588	6.64	5.1	2.92	0.101094	0.434718	AT2G41130	transcription factor bHLH106
13501705	6.64	5.24	2.63	0.102735	0.435908	AT5G15080	protein kinase family protein
13377353	6.64	5.35	2.45	0.010953	0.297771	WNK7	putative serine/threonine-protein kinase WNK7
13475409	6.64	5.52	2.18	0.076469	0.410833	AT4G30020	PA-domain containing subtilase family protein

13432973	6.64	5.67	1.97	0.198183	0.508011	RIN4	RPM1 interacting protein 4
13516385	6.64	5.69	1.93	0.104715	0.437012	CNGC5	cyclic nucleotide gated channel
13505461	6.64	5.72	1.89	0.227617	0.525679	AT5G24980	hypothetical protein
13452643	6.64	5.73	1.88	0.119062	0.449468	PBD1	proteasome subunit beta type-2-A
13453044	6.64	5.73	1.87	0.325637	0.57345	BLI	protein BLISTER
13544621	6.64	5.76	1.84	0.079451	0.414177	AT5G67220	tRNA-dihydrouridine synthase 4
13396299	6.64	5.82	1.76	0.228462	0.526242	ATRER1C1	protein RER1C
13420442	6.64	5.84	1.75	0.063848	0.400174	TBL39	protein trichome birefringence-like 39
13405267	6.64	5.84	1.74	0.081377	0.416553	AT2G45210	SAUR-like auxin-responsive protein
13365718	6.64	5.85	1.73	0.077812	0.413069	AT1G09620; AT1G09610	leucyl-tRNA synthetase; hypothetical protein
13449689	6.64	5.85	1.73	0.267395	0.546492	AT3G15220	putative protein kinase
13476086	6.64	5.86	1.72	0.107664	0.439654	AT4G31480	coatomer subunit beta-1
13503297	6.64	5.93	1.64	0.259386	0.54216	AT5G19090	heavy metal transport/detoxification domain-containing protein
13476424	6.64	6.01	1.55	0.233498	0.529224	AT4G32285	putative clathrin assembly protein
13469314	6.64	6.05	1.51	0.135765	0.464905	AT4G15930	dynein light chain LC8-type
13361588	6.64	6.05	1.5	0.001619	0.250556	AT1G80620	S15/NS1, RNA-binding protein
13544741	6.64	6.06	1.5	0.134382	0.463251	BT4	BTB and TAZ domain protein 4
13401417	6.64	6.13	1.42	0.346482	0.58045	AT2G36160	40S ribosomal protein S14-1
13518780	6.64	6.14	1.41	0.220725	0.522047	GAMMA CAL1	gamma carbonic anhydrase like 1
13352670	6.64	6.17	1.39	0.230445	0.527602	AT1G55820	hypothetical protein
13370001	6.64	6.19	1.37	0.238946	0.532292	AT1G19360	Nucleotide-diphospho-sugar transferase family protein
13476627	6.64	6.19	1.37	0.291986	0.559372	AT4G32620; RBCS1A	Enhancer of polycomb-like transcription factor protein; ribulose bisphosphate carboxylase small chain 1A
13398023	6.64	6.29	1.28	0.403735	0.608263	CPN60A	chaperonin-60alpha
13524312	6.64	6.29	1.28	0.249766	0.537218	AT5G10350	RNA recognition motif-containing protein
13352079	6.64	6.34	1.23	0.006749	0.285606	TAF6B; NHX5	TBP-associated factor 6B; sodium hydrogen exchanger 5
13499792	6.64	6.36	1.21	0.559205	0.705398	AT5G10010	hypothetical protein
13417258	6.64	6.39	1.19	0.514521	0.67522	bZIP16	basic region/leucine zipper transcription factor 16
13347437	6.64	6.4	1.18	0.662717	0.776203	AT1G33360	ATP-dependent Clp protease
13344962	6.64	6.41	1.17	0.25826	0.541251	HB54	homeobox-leucine zipper protein ATHB-54
13505840	6.64	6.44	1.15	0.533261	0.687982	FC1	ferrochelatase 1
13400433	6.64	6.48	1.12	0.398308	0.604949	AT2G33845; AT2G33847	OB-fold nucleic acid binding domain-containing protein; hypothetical protein
13390469	6.64	6.53	1.08	0.50755	0.670672	AT2G01480	O-fucosyltransferase family protein
13437848	6.64	6.53	1.08	0.666554	0.778687	AT3G50910	hypothetical protein
13480703	6.64	6.54	1.07	0.770817	0.850699	SAM-2	S-adenosylmethionine synthase 2
13381097	6.64	6.82	-1.13	0.419904	0.61724	PP2A-1	serine/threonine-protein phosphatase PP2A-1 catalytic subunit
13456769	6.64	6.81	-1.13	0.057528	0.39275	UBC13	ubiquitin-conjugating enzyme E2 13
13487822	6.64	7.14	-1.42	0.033773	0.354018	AT4G22000	hypothetical protein
13468344	6.64	9.31	-6.37	0.016267	0.315398	AT4G14060	major latex protein-like protein
13492176	6.63	4.43	4.61	0.038366	0.363354	AT4G31875	hypothetical protein
13499323	6.63	4.98	3.12	0.087022	0.422399	AT5G08540	hypothetical protein

13530775	6.63	5.19	2.71	0.004346	0.262292	AT5G25190	ethylene-responsive transcription factor ERF003
13494387	6.63	5.29	2.53	0.081416	0.416553	EMB2754	Vacuolar sorting protein 39
13419862	6.63	5.58	2.08	0.021607	0.325568	ACA4	Ca2+-transporting ATPase
13436800	6.63	5.57	2.08	0.115245	0.446247	ATM	serine/threonine-protein kinase
13369881	6.63	5.72	1.87	0.137284	0.46568	AT1G18910	zinc ion binding protein
13497995	6.63	5.76	1.82	0.255814	0.540325	AT5G05570	syntaxin binding protein 5 (tomosyn)
13508646	6.63	5.89	1.67	0.149012	0.471967	AT5G40300	hypothetical protein
13527897	6.63	5.91	1.65	0.300863	0.563795	PGSIP6	plant glycogenin-like starch initiation protein 6
13368842	6.63	5.95	1.61	0.036898	0.359989	SR45	protein arginine/serine-rich 45
13364427	6.63	5.95	1.6	0.243438	0.534547	AT1G06900	putative N-arginine dibasic convertase
13444009	6.63	5.99	1.56	0.021117	0.324494	DCL2; AT3G03305	protein dicer-like 2; calcineurin-like metallo-phosphoesterase-like protein
13502302	6.63	5.98	1.56	0.102262	0.435554	AT5G16550	hypothetical protein
13381076	6.63	6	1.55	0.025665	0.33601	AT1G59760	RNA helicase
13499340	6.63	6.01	1.53	0.389223	0.599658	AT5G08570	pyruvate kinase
13379859	6.63	6.05	1.5	0.471522	0.64746	TBP2	TATA-box-binding protein 2
13365953	6.63	6.07	1.48	0.212111	0.517359	AT1G09980	Putative serine esterase family protein
13343827	6.63	6.09	1.46	0.209127	0.514533	AT1G23440	Peptidase C15, pyroglutamyl peptidase I-like protein
13516606	6.63	6.09	1.45	0.298165	0.562461	ATM3	ABC transporter B family member 25
13402463	6.63	6.11	1.44	0.154636	0.477786	PECT1	ethanolamine-phosphate cytidylyltransferase
13513802	6.63	6.12	1.42	0.279028	0.553698	NRPB6A	RNA polymerase Rpb6
13502876	6.63	6.15	1.39	0.019095	0.321499	CSD3	copper/zinc superoxide dismutase 3
13505896	6.63	6.15	1.39	0.241691	0.53362	CLC-D	chloride channel protein CLC-d
13409050	6.63	6.17	1.38	0.315401	0.568203	ATHM3	thioredoxin M3
13389129	6.63	6.17	1.37	0.077411	0.412497	AT1G78830	curculin-like (mannose-binding) lectin-like protein
13390445	6.63	6.2	1.35	0.480027	0.652001	AT2G01460	P-loop containing nucleoside triphosphate hydrolase-like protein
13415595	6.63	6.23	1.32	0.356164	0.584705	AT2G31800	Integrin-linked protein kinase-like protein
13493144	6.63	6.25	1.29	0.188621	0.502829	AT4G33700	CBS domain-containing protein
13396338	6.63	6.31	1.25	0.453756	0.637332	CLF	histone-lysine N-methyltransferase CLF
13480142	6.63	6.34	1.22	0.595808	0.730336	AT4G00585	hypothetical protein
13428370	6.63	6.36	1.2	0.351365	0.582477	AT3G14920	Peptide-N4-(N-acetyl-beta-glucosaminyl)asparagine amidase A protein
13353871	6.63	6.41	1.17	0.448349	0.634917	AT1G60900	Splicing factor U2af large subunit B
13541028	6.63	6.41	1.17	0.543339	0.694489	PLC4	phosphoinositide phospholipase C 4
13400302	6.63	6.43	1.16	0.19397	0.505856	AT2G33590	Rossmann-fold NAD(P)-binding domain-containing protein
13499155	6.63	6.47	1.12	0.640483	0.760374	AT5G08300	Succinyl-CoA ligase [GDP-forming] subunit alpha-1
13335925	6.63	6.48	1.11	0.486338	0.655887	AT1G04810	26S proteasome regulatory subunit N2
13344327	6.63	6.5	1.1	0.421482	0.618027	AT1G24800; AT1G24881; AT1G25150; AT1G25211; AT1G25055	F-box protein; F-box family protein
13356390	6.63	6.53	1.06	0.833701	0.894712	AT1G67920	hypothetical protein

13502232	6.63	6.56	1.05	0.755406	0.839951	AT5G16300	Vps51/Vps67 family (components of vesicular transport) protein
13445214	6.63	6.69	-1.04	0.646798	0.765031	AT3G05900	neurofilament protein-related protein
13513915	6.63	6.73	-1.07	0.816809	0.88298	AT5G52280	Myosin heavy chain-related protein
13356217	6.63	6.83	-1.15	0.217818	0.520626	AT1G67620	Lojap-related protein
13543160	6.63	7.17	-1.45	0.319887	0.570589	AT5G63970	Copine (Calcium-dependent phospholipid-binding protein) family
13456126	6.63	7.21	-1.49	0.312485	0.567564	PSK3	phytosulfokine-beta
13352777	6.63	7.23	-1.52	0.014827	0.313095	AT1G56020	hypothetical protein
13360701	6.63	7.45	-1.76	0.01883	0.321499	RHM1	UDP-glucose 4,6-dehydratase
13444890	6.63	7.54	-1.88	0.066056	0.403288	AT3G05165	sugar transporter ERD6-like 11
13382705	6.62	4.23	5.23	0.067767	0.405735	AT1G63410	hypothetical protein
13401459	6.62	5	3.08	0.043233	0.37143	AT2G36320	zinc finger A20 and AN1 domain-containing stress-associated protein 4
13521477	6.62	5.06	2.96	0.000194	0.180656	LAC11	laccase 11
13457513	6.62	5.59	2.04	0.246745	0.535608	CSR1	acetolactate synthase
13403225	6.62	5.63	1.99	0.100742	0.434702	AT2G40410	Ca(2+)-dependent nuclease-like protein
13427549	6.62	5.69	1.9	0.121521	0.452507		
13376337	6.62	5.81	1.75	0.293303	0.559559	AT1G44770	hypothetical protein
13541103	6.62	5.92	1.63	0.038282	0.363017	AT5G58800; AT5G58790	quinone reductase-like protein; hypothetical protein
13465022	6.62	5.94	1.61	0.267587	0.546492	AT4G02610	tryptophan synthase alpha chain
13371525	6.62	5.94	1.6	0.420444	0.617454	AT1G23140	calcium-dependent lipid-binding domain-containing protein
13419271	6.62	5.96	1.58	0.046856	0.377465	AT2G40070	hypothetical protein
13429774	6.62	5.99	1.56	0.098721	0.433513	TDX	TPR repeat-containing thioredoxin TDX
13529900	6.62	5.99	1.55	0.244792	0.535223	AT5G23520	smr (Small MutS Related) domain-containing protein
13415422	6.62	6	1.54	0.038289	0.363017	AT2G31440	gamma-secretase subunit APH1-like protein
13371934	6.62	6.05	1.49	0.143688	0.469269	ARL1	chaperone protein dnaJ 16
13470198	6.62	6.09	1.44	0.17378	0.490884	ML3; PHYE	protein MEI2-like 3; phytochrome E
13414583	6.62	6.16	1.38	0.334007	0.576298	PCNA2	proliferating cell nuclear antigen 2
13458371	6.62	6.23	1.31	0.47951	0.651852	U1-70K	U1 small nuclear ribonucleoprotein-70K
13470124	6.62	6.27	1.28	0.302882	0.564028	AGD8	putative ADP-ribosylation factor GTPase-activating protein AGD8
13478672	6.62	6.26	1.28	0.525557	0.682943	AT4G37090	hypothetical protein
13524310	6.62	6.36	1.19	0.187438	0.501922	AT5G10336	hypothetical protein
13346844	6.62	6.37	1.18	0.523055	0.681231	AT1G31850	putative methyltransferase PMT20
13494682	6.62	6.39	1.18	0.299757	0.56286	HMA1	putative cadmium/zinc-transporting ATPase HMA1
13527049	6.62	6.45	1.12	0.405612	0.609101	AT5G16660	hypothetical protein
13344349	6.62	6.5	1.09	0.394246	0.602714	AT1G24881; AT1G25150; AT1G25211; AT1G25055; AT1G24800	F-box protein; F-box family protein
13533965	6.62	6.56	1.04	0.868873	0.918522	AT5G40660	ATP synthase mitochondrial F1 complex assembly factor 2
13457034	6.62	6.63	-1.01	0.974312	0.98496	AT3G47120	RNA-binding motif protein, X-linked 2
13336501	6.62	6.69	-1.05	0.619921	0.746909	ACX3	acyl-coenzyme A oxidase 3

13507190	6.62	6.71	-1.06	0.862881	0.914502	AT5G35180	hypothetical protein
13404363	6.62	6.83	-1.15	0.688219	0.793744	AT2G43110	hypothetical protein
13521336	6.62	6.86	-1.18	0.456875	0.639146	PRR7	two-component response regulator-like APRR7
13386519	6.62	6.96	-1.27	0.18644	0.500853	CAD1	putative cinnamyl alcohol dehydrogenase 1
13464400	6.62	7.2	-1.5	0.229774	0.52734	AT4G01450	nodulin MtN21 /EamA-like transporter family protein
13467817	6.61	4.13	5.58	0.020882	0.324125	AIR1	Auxin-Induced in Root cultures 1
13475558	6.61	5	3.06	0.003607	0.253459	AT4G30420; TET9	nodulin MtN21 /EamA-like transporter family protein; tetraspanin9
13482155	6.61	5.14	2.77	0.006897	0.285606	AT4G08160	glycosyl hydrolase family 10 protein / carbohydrate-binding domain-containing protein
13396376	6.61	5.28	2.52	0.164789	0.485884	XLG1	extra-large G-protein 1
13519213	6.61	5.46	2.22	0.130176	0.460098	AT5G64420	DNA polymerase phi subunit
13446679	6.61	5.51	2.15	0.033646	0.354018	AT3G09070	hypothetical protein
13356162	6.61	5.54	2.1	0.207266	0.513526	AT1G67480	F-box/kelch-repeat protein
13394677	6.61	5.56	2.07	0.150874	0.473611	CDA1	cytidine deaminase 1
13368221	6.61	5.61	2	0.105403	0.437326	QSOX1	quiescin-sulfhydryl oxidase 1
13497887	6.61	5.7	1.87	0.102292	0.435554	AT5G05460	mannosyl-glycoprotein endo-beta-N-acetylglucosaminidase
13512955	6.61	5.73	1.84	0.031464	0.351992	AT5G50090	hypothetical protein
13467885	6.61	5.8	1.74	0.224409	0.524988	NUDT7	nudix hydrolase 7
13510316	6.61	5.86	1.68	0.198754	0.508183	CAD1	glutathione gamma-glutamylcysteinyltransferase 1
13478225	6.61	5.91	1.62	0.008748	0.293015	FD	protein FD
13392760	6.61	5.93	1.6	0.004211	0.262292	SERK4	somatic embryogenesis receptor kinase 4
13410171	6.61	5.98	1.56	0.048929	0.377942	AT2G18900	transducin/WD-40 repeat-containing protein
13476116	6.61	5.99	1.54	0.39161	0.600886	AT4G31570	hypothetical protein
13335914	6.61	6.04	1.49	0.066566	0.403684	AT1G04790	RING/U-box domain-containing protein
13529334	6.61	6.06	1.46	0.117193	0.447046	RIN1	RuvB-like protein 1
13344473	6.61	6.08	1.44	0.020786	0.324125	NDT2	NAD+ transporter 2
13427066	6.61	6.1	1.42	0.285309	0.556359	AT3G12010; CPuORF20	hypothetical protein
13409920	6.61	6.13	1.4	0.079182	0.414078	AT2G17975; AT2G17972	zinc finger (Ran-binding) domain-containing protein; hypothetical protein
13457234	6.61	6.18	1.36	0.038629	0.364475	AT3G47850	hypothetical protein
13427524	6.61	6.17	1.36	0.370679	0.591914	AT3G13224	RNA recognition motif-containing protein
13543325	6.61	6.17	1.35	0.481938	0.653226	DIT2.1	dicarboxylate transport 2.1
13442124	6.61	6.19	1.33	0.418978	0.616615	AT3G61180	RING/U-box domain-containing protein
13455120	6.61	6.21	1.33	0.371265	0.591914	AT3G29250	Rossmann-fold NAD(P)-binding domain-containing protein
13366260	6.61	6.21	1.32	0.108937	0.440715	ARFA1F	ADP-ribosylation factor A1F
13382710	6.61	6.23	1.31	0.269442	0.547909	AT1G63470	AT hook motif DNA-binding family protein
13424896	6.61	6.28	1.26	0.172393	0.489773	MKP2	MAPK phosphatase 2
13538653	6.61	6.32	1.23	0.124296	0.453788	AT5G52380	vascular-related NAC-domain 6 protein
13427279	6.61	6.37	1.18	0.527992	0.684985	NUDT16	nudix hydrolase 16
13414877	6.61	6.39	1.16	0.553955	0.702222	SIP4	CBL-interacting serine/threonine-protein kinase 11
13405347	6.61	6.4	1.15	0.584096	0.723023	emb1067	putative tRNA 2'phosphotransferase

13448568	6.61	6.43	1.13	0.072558	0.408352	PGK1	phosphoglycerate kinase 1
13542019	6.61	6.46	1.1	0.481473	0.652781	VIP4	leo1-like family protein
13359666	6.61	6.59	1.01	0.960817	0.976791	CPK29	calcium-dependent protein kinase 29
13368940	6.61	6.68	-1.05	0.623884	0.749085	AT1G16870	mitochondrial 28S ribosomal protein S29-like protein
13428423	6.61	6.84	-1.17	0.350838	0.582019	mMDH2	malate dehydrogenase 2
13408357	6.61	6.88	-1.21	0.672455	0.782828		
13545281	6.61	6.88	-1.21	0.672455	0.782828		
13489551	6.61	6.94	-1.25	0.158919	0.481364	CPuORF12; AT4G25670	uncharacerized protein; hypothetical protein
13417937	6.61	7.37	-1.68	0.034624	0.355201	AT2G36885	hypothetical protein
13376396	6.61	7.72	-2.15	0.17564	0.492343	TRX5	thioredoxin H5
13544917	6.61	8.41	-3.5	0.107435	0.4394	ccsA	ycf5
13469183	6.6	2.22	20.78	0.00417	0.262292	AT4G15660	monothiol glutaredoxin-S8
13380936	6.6	5.29	2.47	0.084009	0.417946	AT1G58400	CC-NBS-LRR class disease resistance protein
13351960	6.6	5.59	2.02	0.09836	0.433275	AT1G54150	E3 ubiquitin ligase-like protein
13493527	6.6	5.62	1.97	0.072791	0.408418	SSR16	small subunit ribosomal protein 16
13384432	6.6	5.63	1.96	0.170044	0.48812	AT1G67310	calmodulin-binding transcription activator 4
13489792	6.6	5.72	1.85	0.119716	0.450659	PFK3	6-phosphofructokinase 3
13503977	6.6	5.71	1.85	0.243835	0.534763	AT5G20400	oxidoreductase, 2OG-Fe(II) oxygenase family protein
13518483	6.6	5.78	1.76	0.003047	0.253459	TUB3; TUB2	tubulin beta-2/beta-3 chain
13449208	6.6	5.8	1.75	0.13089	0.460628	AT3G13980	hypothetical protein
13451242	6.6	5.8	1.74	0.088697	0.42521	LOH2	LAG1 longevity assurance homolog 2
13478471	6.6	5.82	1.71	0.221663	0.522841	HVA22K	HVA22-like protein k
13377022	6.6	5.86	1.67	0.165799	0.486235	AT1G48450	hypothetical protein
13472978	6.6	5.87	1.65	0.14093	0.467457	TIFY1	GATA transcription factor 25
13470102	6.6	5.94	1.58	0.161097	0.483253	AT4G17830	acetylornithine deacetylase
13473810	6.6	5.99	1.52	0.000258	0.180656	AT4G26410	hypothetical protein
13506850	6.6	6.02	1.49	0.246543	0.535608	AT5G28350	Quinoprotein amine dehydrogenase, beta chain-like / RIC1-like guanyl-nucleotide exchange factor
13394258	6.6	6.04	1.47	0.222258	0.523467	DGK3	diacylglycerol kinase 3
13510966	6.6	6.08	1.43	0.194566	0.505856	AT5G45620	26S proteasome regulatory subunit N9
13427109	6.6	6.15	1.36	0.284971	0.556338	AT3G12050	Aha1 domain-containing protein
13446720	6.6	6.17	1.34	0.46457	0.643727	AT3G09100	mRNA capping enzyme-like protein
13454975	6.6	6.18	1.34	0.348054	0.580705	AAR3	hypothetical protein
13461397	6.6	6.19	1.32	0.123221	0.453558	AT3G57990	hypothetical protein
13477533	6.6	6.22	1.3	0.247746	0.536315	CHB3	SWI/SNF complex subunit SWI3D
13467080	6.6	6.26	1.26	0.561016	0.706588	AT4G10360	TRAM, LAG1 and CLN8 (TLC) lipid-sensing domain containing protein
13463013	6.6	6.29	1.23	0.356295	0.584728	RSP31	arginine/serine-rich-splicing factor RSP31
13370991	6.6	6.35	1.19	0.183364	0.498165	SWI3C	SWI/SNF complex subunit SWI3C
13476310	6.6	6.46	1.11	0.561894	0.707299	AT4G32030	hypothetical protein
13474655	6.6	6.49	1.08	0.763495	0.845164	AT4G28410	Tyrosine transaminase family protein
13471631	6.6	6.5	1.07	0.238409	0.532151	AT4G21450	vesicle-associated membrane family protein
13368491	6.6	6.52	1.06	0.295343	0.561114	AT1G15530	concanavalin A-like lectin protein kinase-like protein
13463402	6.6	6.51	1.06	0.628122	0.751984	AtATG18a	transducin/WD40 domain-containing protein

13373559	6.6	6.54	1.05	0.704026	0.805088	AT1G29160	Dof zinc finger protein DOF1.5
13437516	6.6	6.57	1.02	0.94238	0.965519	BCAT3	branched-chain-amino-acid aminotransferase 3
13449194	6.6	6.57	1.02	0.926408	0.955683	AT3G13940	DNA binding / DNA-directed RNA polymerase
13417085	6.6	6.63	-1.03	0.836967	0.897035	ARAD1	Exostosin family protein
13472202	6.6	6.74	-1.1	0.645725	0.764123	FZR2	protein FIZZY-related 2
13499997	6.6	6.76	-1.11	0.723153	0.818297	CYP81K1	cytochrome P450, family 81, subfamily K, polypeptide 1
13436469	6.6	6.87	-1.2	0.034628	0.355201	AT3G47550	RING/FYVE/PHD zinc finger-containing protein
13543969	6.6	6.89	-1.22	0.420606	0.617504	ZWI	kinesin-like calmodulin-binding protein (ZWICHEL)
13512743	6.6	6.91	-1.24	0.567404	0.710977	AT5G49700	Predicted AT-hook DNA-binding family protein
13393044	6.6	7.27	-1.58	0.045954	0.37669	AGP9	arabinogalactan protein 9
13463303	6.6	7.31	-1.63	0.122287	0.452662	BZIP53; CPuORF3	basic region/leucine zipper motif 53 protein; conserved peptide upstream open reading frame 3
13392290	6.6	7.62	-2.04	0.555288	0.703052	AT2G07705	hypothetical protein
13431530	6.6	8.27	-3.18	0.033516	0.354018	AT3G21690	mate efflux domain-containing protein
13469353	6.59	4.35	4.7	0.004035	0.262292	AT4G16008	hypothetical protein
13478556	6.59	5.32	2.41	0.195595	0.506403	SPT	transcription factor SPATULA
13434879	6.59	5.42	2.25	0.030996	0.351017	AT3G32930	hypothetical protein
13464802	6.59	5.48	2.16	0.036874	0.359989	AT4G02220	MYND type zinc finger and programmed cell death 2 C-terminal domain-containing protein
13460251	6.59	5.51	2.12	0.030348	0.350098	GSTL2; PGPS2	glutathione transferase lambda 2; phosphatidylglycerolphosphate synthase 2
13423570	6.59	5.55	2.05	0.007263	0.288531	AT3G03020	hypothetical protein
13539990	6.59	5.65	1.91	0.195652	0.50649	AT5G56260	Regulator of ribonuclease-like protein 3
13393611	6.59	5.71	1.84	0.035095	0.355472	AT2G17060	TIR-NBS-LRR class disease resistance protein
13526627	6.59	5.71	1.83	0.205837	0.512597	AT5G15680	armadillo/beta-catenin-like repeat-containing protein
13518130	6.59	5.8	1.73	0.117587	0.447676	AT5G61970	signal recognition particle subunit SRP68
13472721	6.59	5.84	1.68	0.09441	0.430944	AT4G24050	Rossmann-fold NAD(P)-binding domain-containing protein
13536067	6.59	5.86	1.66	0.094563	0.431058	AT5G46150	putative ALA-interacting subunit 2
13467512	6.59	5.88	1.65	0.286836	0.557153	AT4G11570	haloacid dehalogenase-like hydrolase domain-containing protein
13497582	6.59	5.87	1.65	0.344997	0.579915	ADR1-L2	ADR1-like 2 protein
13430684	6.59	5.95	1.56	0.214082	0.518562	VPS9A	vacuolar sorting protein 9 domain-containing protein
13426811	6.59	5.96	1.55	0.008283	0.292829	AT3G11402; PRA1.A3	cysteine/histidine-rich C1 domain-containing protein; PRA1 family protein A3
13430743	6.59	5.99	1.51	0.291722	0.559371	AT3G19910	E3 ubiquitin ligase BIG BROTHER-like protein
13499405	6.59	5.99	1.51	0.252073	0.538651	AT5G08660	hypothetical protein

13341063	6.59	6.05	1.45	0.0049	0.268309	AT1G16860; CPuORF55	Ubiquitin-specific protease family C19-related protein; conserved peptide upstream open reading frame 55
13535320	6.59	6.07	1.43	0.352202	0.582934	AT5G44290	protein kinase-like protein
13387020	6.59	6.14	1.37	0.393444	0.602218	ESP1	hydroxyproline-rich glycoprotein-like protein
13377531	6.59	6.16	1.35	0.294939	0.56088	FUT12	putative fucosyltransferase-like protein
13462993	6.59	6.2	1.31	0.195862	0.506728	AT3G61790	E3 ubiquitin-protein ligase SINAT3
13335604	6.59	6.27	1.25	0.295558	0.561114	AT1G04130	tetratricopeptide repeat-containing protein
13538552	6.59	6.36	1.17	0.611644	0.741009	PP2-A14	F-box protein PP2-A14
13514060	6.59	6.42	1.13	0.664592	0.777188	AT5G52580	RabGAP/TBC domain-containing protein
13432382	6.59	6.44	1.12	0.468649	0.645889	RFR1	REF4-related 1 protein
13495484	6.59	6.49	1.07	0.679987	0.788194	AT4G38890	tRNA-dihydrouridine synthase 3-like protein
13525619	6.59	6.54	1.03	0.677573	0.786384	FY	Flowering time control protein FY
13504151	6.59	6.63	-1.03	0.881351	0.927425	AT5G20970	heat shock family protein
13480156	6.59	6.79	-1.14	0.631934	0.75484	AT4G00620	Amino acid dehydrogenase family protein
13503308	6.59	6.79	-1.15	0.231001	0.527788	AT5G19120	aspartyl protease family protein
13432640	6.59	6.92	-1.26	0.171773	0.489413	AT3G24020; AT3G24030	disease resistance-responsive, dirigent domain-containing protein; hydroxyethylthiazole kinase
13544542	6.59	7.13	-1.45	0.107897	0.439862	ABA1	zeaxanthin epoxidase (ZEP) (ABA1)
13411698	6.59	7.51	-1.89	0.062294	0.398248	AT2G22510	hydroxyproline-rich glycoprotein family protein
13501189	6.59	7.52	-1.91	0.091327	0.428497	ZIFL1	zinc induced facilitator-like 1 protein
13500681	6.58	5.03	2.92	0.098242	0.433275	RGTB1	RAB geranylgeranyl transferase beta subunit 1
13502079	6.58	5.15	2.7	0.110567	0.441758	NIK1	NSP-interacting kinase 1
13469849	6.58	5.23	2.56	0.062675	0.398459	AT4G17260	L-lactate dehydrogenase
13403131	6.58	5.31	2.41	0.167377	0.486855	CZF1	zinc finger CCCH domain-containing protein 29
13410651	6.58	5.33	2.38	0.193276	0.505856	AT2G20010	hypothetical protein
13384219	6.58	5.52	2.09	0.068766	0.406403	AT1G67120	AAA ATPase containing von Willebrand factor type A domain-containing protein
13499299	6.58	5.53	2.06	0.131274	0.461229	AT5G08500	transmembrane CLPTM1 family protein
13466854	6.58	5.55	2.04	0.252357	0.538734	RPS18C; AT1G34030; PFL	40S ribosomal protein S18
13524450	6.58	5.57	2.01	0.141724	0.468042	AT5G10560	putative beta-D-xylosidase 6
13425726	6.58	5.58	2	0.02052	0.324125	SCPL27	hydroxymandelonitrile lyase
13456794	6.58	5.7	1.84	0.072068	0.408352	AT3G46540	ENTH/VHS family protein
13338784	6.58	5.79	1.74	0.070576	0.407122	AT1G11380	PLAC8 family protein
13473738	6.58	5.79	1.73	0.00306	0.253459	AT4G26220	putative caffeoyl-CoA O-methyltransferase
13361039	6.58	5.81	1.71	0.252046	0.538651	MC6	metacaspase 6
13446087	6.58	5.85	1.65	0.130748	0.460628	AT3G07300	translation initiation factor eIF-2B beta subunit
13443889	6.58	5.88	1.63	0.081239	0.41644	AT3G03010	peptidyl-tRNA hydrolase II-like protein
13522082	6.58	5.94	1.56	0.104433	0.43666	VPS60.2	charged multivesicular body protein 5
13388211	6.58	5.98	1.52	0.194016	0.505856	AT1G76670	Nucleotide-sugar transporter family protein
13426995	6.58	6	1.49	0.013699	0.309482	AT3G11880	hypothetical protein
13343914	6.58	6.02	1.48	0.034709	0.355201	JP630	putative polygalacturonase non-catalytic subunit JP630

13427293	6.58	6.02	1.48	0.24351	0.534629	AT3G12640	RNA binding (RRM/RBD/RNP motifs) family protein
13451840	6.58	6.09	1.4	0.422657	0.618767	UBP14	ubiquitin carboxyl-terminal hydrolase 14
13411530	6.58	6.12	1.37	0.3725	0.592003	RKP	ubiquitination-promoting complex protein 1
13530037	6.58	6.13	1.37	0.110253	0.441206	AT5G23870	Pectinacetylesterase family protein
13379491	6.58	6.18	1.32	0.19617	0.507008	ING2	PHD finger protein-like protein
13421136	6.58	6.18	1.32	0.139105	0.466075	AT2G44140; AT2G44130	cysteine protease ATG4a; F-box/kelch-repeat protein
13468177	6.58	6.29	1.23	0.354129	0.584238	SMAP1	small acidic protein 1
13495050	6.58	6.31	1.21	0.090597	0.427844	AT4G38120	armadillo/beta-catenin-like repeat-containing protein
13343865	6.58	6.36	1.17	0.513698	0.674772	ARF1; ARFA1D	ADP-ribosylation factor 2
13528503	6.58	6.51	1.05	0.483885	0.65419	GONST4	golgi nucleotide sugar transporter 4
13368298	6.58	6.74	-1.11	0.042175	0.368598	AT1G15200	protein-protein interaction regulator family protein
13411784	6.58	7.18	-1.52	0.183616	0.498367	AT2G22795	hypothetical protein
13505466	6.58	7.19	-1.53	0.402688	0.607262	AT5G24990	hypothetical protein
13420958	6.58	7.2	-1.54	0.24233	0.534004	AT2G43850	Integrin-linked protein kinase-like protein
13359280	6.57	4.23	5.05	0.048224	0.37767	AT1G74940	hypothetical protein
13539587	6.57	5.36	2.31	0.02717	0.34139	CNX5	sulfurtransferase MOCS3
13441733	6.57	5.54	2.04	0.1531	0.475969	AT3G60340	palmitoyl protein thioesterase family protein
13360328	6.57	5.66	1.88	0.218056	0.520652	PIP5K2	phosphatidylinositol-4-phosphate 5-kinase 2
13345646	6.57	5.72	1.8	0.193739	0.505856	VOZ1	vascular plant one zinc finger protein
13413078	6.57	5.75	1.77	0.064452	0.401008	RTE1	hypothetical protein
13437155	6.57	5.76	1.75	0.157282	0.479888	SPT1	serine palmitoyltransferase 1
13461393	6.57	5.82	1.68	0.076156	0.410503	AT3G57980	DNA-binding bromodomain-containing protein
13450109	6.57	5.84	1.66	0.127062	0.456791	AT3G16190	Isochorismatase family protein
13422925	6.57	5.85	1.65	0.00796	0.290374	GLCAK	glucuronokinase G
13365686	6.57	5.91	1.58	0.007087	0.287755	AT1G09520	hypothetical protein
13458788	6.57	5.91	1.58	0.236138	0.530423	ETO1	tetratricopeptide repeat (TPR)-containing protein
13362189	6.57	5.97	1.52	0.032143	0.352818	AT1G01990	hypothetical protein
13531166	6.57	5.98	1.5	0.299019	0.562493	AL4	alfin-like 4 protein
13517067	6.57	5.99	1.49	0.015064	0.313401	AT5G59450	scarecrow-like protein 11
13523485	6.57	6.04	1.44	0.145368	0.470081	AT5G08240	hypothetical protein
13355751	6.57	6.07	1.42	0.254164	0.539615	ETR1; AT1G66345; AT2G45180	ethylene receptor 1; pentatricopeptide repeat-containing protein; protease inhibitor/seed storage/lipid transfer protein (LTP) family protein
13531776	6.57	6.1	1.39	0.313283	0.568008	AT5G28400	hypothetical protein
13539065	6.57	6.11	1.38	0.44973	0.635419	VPS26A	vacuolar protein sorting 26A
13480546	6.57	6.14	1.35	0.551812	0.700797		
13358821	6.57	6.16	1.32	0.43756	0.628152	SMU1	WD40 repeat-containing protein SMU1
13529395	6.57	6.2	1.3	0.563198	0.708098	AT5G22450	hypothetical protein
13404035	6.57	6.21	1.29	0.35662	0.584728	AT2G42240	RNA recognition motif-containing protein
13480344	6.57	6.2	1.29	0.095923	0.431873	AT4G00940	Dof zinc finger protein DOF4.1
13416111	6.57	6.22	1.27	0.018096	0.319749	AT2G32970	hypothetical protein
13450333	6.57	6.24	1.25	0.32038	0.570841	AT3G16840	DEAD-box ATP-dependent RNA helicase 13

13454154	6.57	6.26	1.24	0.265769	0.546216	AT3G26950	hypothetical protein
13354288	6.57	6.27	1.23	0.457393	0.639458	AT1G62020	coatomer subunit alpha-1
13439635	6.57	6.31	1.2	0.51591	0.675937	AT3G55200; AT3G55220	splicing factor 3B subunit 3; putative splicing factor
13351051	6.57	6.32	1.19	0.436094	0.627187	AT1G51920	hypothetical protein
13428441	6.57	6.31	1.19	0.749575	0.835776	RABA1g	RAB GTPase-like protein A1G
13461401	6.57	6.32	1.19	0.400697	0.606274	PGL34	putative plastid-lipid-associated protein 9
13489326	6.57	6.34	1.18	0.381046	0.596301	AT4G25180	RNA polymerase III RPC4
13542943	6.57	6.37	1.15	0.647083	0.765079	AT5G63490	CBS / octicosapeptide/Phox/Bemp1 domain-containing protein
13423294	6.57	6.4	1.13	0.240367	0.533209	GAUT9	alpha-1,4-galacturonosyltransferase
13511817	6.57	6.4	1.12	0.444521	0.632155	AT5G47710	calcium-dependent lipid-binding domain-containing protein
13463128	6.57	6.42	1.11	0.792586	0.865931	AT3G62120	prolyl-tRNA synthetase
13469544	6.57	6.44	1.09	0.424982	0.620259	AT4G16450	hypothetical protein
13334371	6.57	6.53	1.03	0.641322	0.760875	AT1G01540	putative serine/threonine-protein kinase
13522587	6.57	6.59	-1.01	0.967885	0.981205	ATO	splicing factor 3A subunit 3
13425213	6.57	6.66	-1.07	0.790111	0.864086	IBR3	acyl-CoA dehydrogenase
13356601	6.57	6.78	-1.15	0.407111	0.609909	AT1G68440	hypothetical protein
13390806	6.57	6.83	-1.2	0.044778	0.374597	GSTZ1	glutathione S-transferase zeta-class 1
13398903	6.57	7.83	-2.39	0.001708	0.251019	AT2G30140	UDP-glucoronosyl/UDP-glucosyl transferase-like protein
13392284	6.57	8.17	-3.04	0.188792	0.502829		
13392380	6.57	8.17	-3.04	0.188792	0.502829		
13545143	6.57	8.17	-3.04	0.188792	0.502829		
13545374	6.57	8.17	-3.04	0.188792	0.502829		
13488714	6.56	3.77	6.96	0.003543	0.253459	WRKY53; AT4G23800	putative WRKY transcription factor 53; HMG (high mobility group) box protein
13341733	6.56	5.48	2.1	0.051847	0.382324	ARP4	actin-related protein 4
13425378	6.56	5.5	2.07	0.191321	0.504418	AT3G07195	RPM1-interacting protein 4 (RIN4) family protein
13537445	6.56	5.57	1.99	0.173606	0.490872	AT5G49555	FAD/NAD(P)-binding oxidoreductase family protein
13456342	6.56	5.69	1.83	0.108902	0.440715	AT3G45310	thiol protease aleurain-like protein
13491751	6.56	5.77	1.73	0.10197	0.435457	UBP24	ubiquitin carboxyl-terminal hydrolase 24
13431314	6.56	5.78	1.72	0.287485	0.557153	NFU4	NifU-like protein 4
13423650	6.56	5.84	1.65	0.071587	0.408234	AT3G03160	hypothetical protein
13375151	6.56	5.92	1.56	0.164943	0.485944	SAR1	suppressor of auxin resistance1 protein
13477009	6.56	5.93	1.55	0.180343	0.495835	AT4G33380	hypothetical protein
13345233	6.56	5.98	1.5	0.015782	0.315212	ATU2AF35A	splicing factor U2af small subunit A
13408000	6.56	5.97	1.5	0.299676	0.56286	ATG8D	GABA(A) receptor-associated protein (autophagy-related protein 8)
13374451	6.56	6.01	1.46	0.036376	0.358957	RUB1	NEDD8-like protein RUB1
13454669	6.56	6.1	1.37	0.348922	0.581021	AT3G27960	tetratricopeptide repeat domain-containing protein
13351410	6.56	6.15	1.33	0.53021	0.686583	AT1G52930	Ribosomal RNA processing Brix domain protein
13422551	6.56	6.16	1.32	0.036209	0.358377	AT2G47830	metal tolerance protein C1
13340234	6.56	6.16	1.32	0.06083	0.396781	AT1G15110	phosphatidylserine synthase 2

13541909	6.56	6.18	1.31	0.390214	0.60007	AT5G60990	DEAD-box ATP-dependent RNA helicase 10
13540699	6.56	6.2	1.28	0.061545	0.398106	AT5G57840	HXXXD-type acyl-transferase-like protein
13436020	6.56	6.22	1.27	0.193824	0.505856	AT3G46220	E3 UFM1-protein ligase 1-like protein
13511631	6.56	6.21	1.27	0.45737	0.639458	RPS19	small subunit ribosomal protein S19
13539994	6.56	6.23	1.26	0.391037	0.60059	CSN6A	COP9 signalosome complex subunit 6a
13481356	6.56	6.24	1.25	0.287391	0.557153		
13431214	6.56	6.25	1.24	0.251146	0.538315	AT3G20790	Rossmann-fold NAD(P)-binding domain-containing protein
13424315	6.56	6.28	1.22	0.588326	0.726272	ZDS	zeta-carotene desaturase
13474683	6.56	6.28	1.22	0.576748	0.717121	AT4G28440	OB-fold nucleic acid binding domain-containing protein
13495869	6.56	6.29	1.21	0.321667	0.571353	AT4G39820	tetratricopeptide repeat domain-containing protein
13427660	6.56	6.32	1.18	0.514826	0.675415	TBP1	TATA-box-binding protein 1
13467419	6.56	6.37	1.14	0.567632	0.711044	RHA1B	E3 ubiquitin-protein ligase RHA1B
13421683	6.56	6.41	1.11	0.620896	0.747466	SAP18	histone deacetylase complex subunit SAP18
13365743	6.56	6.42	1.1	0.689987	0.79511	AT1G09690; AT1G09590	60S ribosomal protein L21-1
13370380	6.56	6.54	1.02	0.959122	0.975851	AT1G20270	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase-like protein
13524911	6.56	6.54	1.01	0.972809	0.984207	AT5G11700	hypothetical protein
13396722	6.56	6.57	-1.01	0.972625	0.984125	AT2G24592	hypothetical protein
13470709	6.56	6.6	-1.02	0.924691	0.954581	AT4G19190	uncharacterized zinc finger CCHC domain-containing protein
13431771	6.56	6.61	-1.03	0.843697	0.901409	RPS10	40S ribosomal protein S10
13479493	6.56	6.63	-1.05	0.350946	0.582052	AT4G39300	hypothetical protein
13361499	6.56	6.65	-1.07	0.850279	0.905733	AT1G80320	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase-like protein
13347528	6.56	6.78	-1.17	0.653044	0.769732	AT1G33750	terpene cyclase, C1 domain-containing protein
13533076	6.56	7.07	-1.42	0.067921	0.405979	TCH2	calcium-binding protein CML24
13423827	6.56	7.69	-2.19	0.129145	0.459353	AT3G03700	Plasma-membrane choline transporter family protein
13465767	6.56	8.61	-4.14	0.005235	0.271751	MSRB4	peptide methionine sulfoxide reductase B4
13545603	6.56	8.64	-4.24	0.324782	0.573118		
13353727	6.55	3.24	9.94	0.033863	0.354028	AT1G60110	jacalin-like lectin domain-containing protein
13344592	6.55	4.13	5.34	0.015484	0.314853	AT1G26250	Proline-rich extensin-like family protein
13432833	6.55	4.95	3.03	0.034613	0.355201	TMKL1	putative kinase-like protein TMKL1
13502886	6.55	5.2	2.53	0.176159	0.492524	APRL7	protein APR-like 7
13477926	6.55	5.25	2.47	0.119058	0.449468	AT4G35380	SEC7-like guanine nucleotide exchange family protein
13396550	6.55	5.47	2.12	0.041903	0.368529	AT2G24100	hypothetical protein
13458934	6.55	5.69	1.81	0.061427	0.398106	AT3G52060	Core-2/I-branching beta-1,6-N-acetylglucosaminyltransferase family protein
13395057	6.55	5.81	1.66	0.114923	0.446247	PHB6	prohibitin 6
13513658	6.55	5.88	1.58	0.012043	0.301412	AT5G51630	TIR-NBS-LRR class disease resistance protein
13421972	6.55	5.89	1.58	0.067262	0.405555	AGP16	arabinogalactan protein 16

13542558	6.55	5.98	1.49	0.041125	0.366422	AT5G62600	armadillo/beta-catenin-like repeat-containing protein
13379691	6.55	5.98	1.48	0.314001	0.568024	MED9	hypothetical protein
13457568	6.55	6.01	1.46	0.238151	0.532053	AT3G48800	Sterile alpha motif (SAM) domain-containing protein
13460195	6.55	6.03	1.44	0.29786	0.562453	PLA IIIA	patatin-like protein 6
13544338	6.55	6.07	1.4	0.030258	0.350098	GAMMA CA3	gamma carbonic anhydrase 3
13512705	6.55	6.09	1.38	0.052039	0.382443	XK-2	xylulose kinase-2
13456008	6.55	6.11	1.36	0.467646	0.645342	AT3G44370	membrane insertion protein and OxaA/YidC with tetratricopeptide repeat domain-containing protein
13463244	6.55	6.11	1.36	0.256404	0.540791	AT3G62330	CCHC-type zinc knuckle protein
13510586	6.55	6.12	1.35	0.271104	0.548783	AT5G44720	molybdenum cofactor sulfurase family protein
13413589	6.55	6.12	1.34	0.406338	0.609532	AGO4	argonaute 4
13411264	6.55	6.14	1.33	0.395571	0.603469	AT2G21230	basic-leucine zipper transcription factor-like protein
13471720	6.55	6.16	1.31	0.21062	0.515865	AT4G21580	putative NADPH quinone oxidoreductase
13461743	6.55	6.18	1.3	0.499221	0.664489	AT3G58730	V-type proton ATPase subunit D
13336097	6.55	6.21	1.27	0.388285	0.599123	NTMC2T2.1	calcium-dependent lipid-binding domain-containing protein
13535946	6.55	6.23	1.25	0.408225	0.610585	MEE62	leucine-rich repeat protein kinase-like protein
13443678	6.55	6.24	1.24	0.426675	0.621181	GRF7	14-3-3-like protein GF14 nu
13460336	6.55	6.24	1.23	0.530777	0.68679	AT3G55220; AT3G55200	putative splicing factor; splicing factor 3B subunit 3
13362493	6.55	6.31	1.18	0.205135	0.512056	AT1G02870; NLA	hypothetical protein; E3 ubiquitin-protein ligase BAH1
13416186	6.55	6.33	1.17	0.229072	0.52681	SAR1	vesicle-associated membrane protein 722
13344183	6.55	6.4	1.11	0.814509	0.881326	AT1G24460	hypothetical protein
13477139	6.55	6.4	1.11	0.713994	0.81194	EX1	protein EXECUTER 1
13519923	6.55	6.42	1.1	0.680557	0.788382	AT5G65880	hypothetical protein
13537326	6.55	6.42	1.09	0.429495	0.622793	HRB1	protein dehydration-INDUCED 19-7
13341571	6.55	6.46	1.06	0.80224	0.872514	AT1G17860	kunitz type trypsin and protease inhibitor domain-containing protein
13407228	6.55	6.47	1.06	0.68789	0.793491	AT2G02730; AT2G02720	hypothetical protein; putative pectate lyase 6
13490919	6.55	6.49	1.05	0.67262	0.782942	AT4G28770; AT4G28760	Tetraspanin family protein; hypothetical protein
13448812	6.55	6.52	1.02	0.937482	0.962225	AT3G13225	WW domain-containing protein
13412177	6.55	6.57	-1.01	0.948329	0.969195	AT2G24020	hypothetical protein
13352908	6.55	6.58	-1.02	0.936238	0.961397	PBG1	proteasome subunit beta type-4
13532984	6.55	6.58	-1.02	0.950964	0.970831	GORK	Potassium channel GORK
13379025	6.55	6.79	-1.18	0.459304	0.640466	AT1G53340	cysteine/histidine-rich c1 domain-containing protein
13509467	6.55	7.01	-1.37	0.172253	0.489773	AT5G42180	peroxidase 64
13529997	6.55	7.02	-1.38	0.250202	0.537509	AT5G23750	Remorin family protein
13495812	6.55	7.12	-1.49	0.200317	0.509673	AT4G39720	VQ motif-containing protein
13524528	6.55	7.33	-1.72	0.00733	0.288531	AT5G10770	aspartyl protease family protein
13368818	6.54	4.73	3.5	0.003617	0.253459	ASL9	LOB domain-containing protein 3

13458028	6.54	5.2	2.54	0.033436	0.354018	ARLA1C	ADP-ribosylation factor-like A1C
13396921	6.54	5.36	2.28	0.041797	0.368059	AT2G25270	hypothetical protein
13498955	6.54	5.44	2.14	0.099876	0.434356	AT5G07770	formin-like protein 16
13373865	6.54	5.51	2.05	0.094944	0.431309	AT1G29810	transcriptional coactivator/pterin dehydratase
13544615	6.54	5.58	1.95	0.165863	0.486235	DEAR2	ethylene-responsive transcription factor ERF010
13513432	6.54	5.68	1.82	0.08459	0.418673	AT5G51200	hypothetical protein
13486266	6.54	5.69	1.8	0.089971	0.427018	AT4G17800	putative AT-hook DNA-binding family protein
13537859	6.54	5.7	1.79	0.28518	0.556339	AT5G50410	hypothetical protein
13421533	6.54	5.79	1.68	0.137355	0.46568	AT2G45260	hypothetical protein
13508979	6.54	5.79	1.68	0.165187	0.485944	RPL27	50S ribosomal protein L27
13335109	6.54	5.81	1.67	0.081691	0.416797	AT1G03030	P-loop containing nucleoside triphosphate hydrolase-like protein
13414104	6.54	5.81	1.66	0.135303	0.464048	DRB2	dsRNA-binding protein 2
13466506	6.54	5.83	1.63	0.204034	0.511039	CRY1	cryptochrome-1
13425681	6.54	5.86	1.61	0.087843	0.423768	AT3G07940	putative ADP-ribosylation factor GTPase-activating protein AGD11
13457365	6.54	5.9	1.57	0.003489	0.253459	RR5	two-component response regulator ARR5
13429984	6.54	5.9	1.56	0.141168	0.467636	AT3G18190	TCP-1/cpn60 chaperonin family protein
13430474	6.54	5.94	1.52	0.027725	0.343879	SCO2	protein disulfide isomerase
13442818	6.54	5.96	1.49	0.058547	0.393821	MBD4	methyl-CPG-binding domain 4 protein
13539552	6.54	5.97	1.49	0.274437	0.550583	AT5G55040	DNA-binding bromodomain-containing protein
13397658	6.54	6	1.46	0.405671	0.609101	EIL1	ethylene insensitive 3-like 1 protein
13349286	6.54	6.01	1.45	0.058516	0.393731	AT1G47570	RING/U-box domain-containing protein
13367217	6.54	6.01	1.44	0.193693	0.505856	AT1G12850	phosphoglycerate mutase-like protein
13449658	6.54	6.05	1.4	0.178122	0.494072	AT3G15120	AAA-type ATPase family protein
13449790	6.54	6.06	1.4	0.288505	0.557599	AT3G15470	transducin/WD40 domain-containing protein
13518776	6.54	6.09	1.37	0.481419	0.652743	AT5G63500	hypothetical protein
13339843	6.54	6.11	1.35	0.321763	0.571427	WRKY4	putative WRKY transcription factor 4
13346018	6.54	6.14	1.32	0.288004	0.557546	WRKY71	putative WRKY transcription factor 71
13491839	6.54	6.15	1.32	0.164834	0.485892	AT4G31040	CemA-like proton extrusion protein-like protein
13336978	6.54	6.17	1.29	0.419932	0.61724	AT1G07470	transcription initiation factor TFIIA large subunit
13520575	6.54	6.18	1.28	0.377225	0.5938	PUB49; AT5G67540	Peptidyl-prolyl cis-trans isomerase-like 2; Arabinanase/levansucrase/invertase
13402887	6.54	6.19	1.27	0.470013	0.646758	BPM3	BTB/POZ and MATH domain-containing protein
13422130	6.54	6.2	1.27	0.205251	0.512076	CRK3	CDPK-related kinase 3
13418225	6.54	6.21	1.25	0.541208	0.69304	AGD7	ADP-ribosylation factor GTPase-activating protein AGD7
13400221	6.54	6.23	1.24	0.624627	0.749568	AT2G33390	hypothetical protein
13346665	6.54	6.25	1.22	0.326209	0.573786	AT1G31300	TRAM, LAG1 and CLN8 (TLC) lipid-sensing domain containing protein
13404958	6.54	6.29	1.19	0.429713	0.622826	AT2G44500	axi 1 protein-like protein
13423407	6.54	6.31	1.17	0.580448	0.720343	AT3G02630	acyl-[acyl-carrier-protein] desaturase
13352443	6.54	6.36	1.14	0.637592	0.758808	HUB2	E3 ubiquitin-protein ligase BRE1-like 2

13337868	6.54	6.39	1.11	0.770362	0.850296	IMPA-4	importin alpha isoform 4
13431181	6.54	6.46	1.06	0.678108	0.786877	AT3G20720	hypothetical protein
13468499	6.54	6.46	1.05	0.885553	0.930155	ATBET12	Bet1-like SNARE 1-2
13435653	6.54	6.54	1.01	0.987225	0.992775	RPL9	50S ribosomal protein L9
13379536	6.54	6.66	-1.09	0.611541	0.740956	NEK1	serine/threonine-protein kinase Nek1
13408291	6.54	6.85	-1.24	0.707322	0.807611	AT2G07776; ArthMp046	hypothetical protein
13349017	6.54	7.72	-2.27	0.03279	0.353721	TLL1	triacylglycerol lipase-like 1 protein
13386810	6.53	4.96	2.96	0.111802	0.443131	scpl4	serine carboxypeptidase-like 4
13494522	6.53	5.62	1.88	0.095399	0.431535	AT4G36860	LIM domain-containing protein
13385025	6.53	5.68	1.81	0.118464	0.448631	PHO1;H1	phosphate transporter PHO1-1
13500424	6.53	5.8	1.66	0.237507	0.531651	AT5G11640	thioredoxin family protein
13456915	6.53	5.88	1.57	0.108819	0.440715	AT3G46960; AT3G46950	antiviral helicase SKI2; Mitochondrial transcription termination factor family protein
13454483	6.53	5.95	1.49	0.241873	0.533693	ATN1	protein kinase family protein
13418920	6.53	6	1.45	0.197711	0.507784	AT2G39280	RabGAP/TBC domain-containing protein
13362955	6.53	6.04	1.4	0.442744	0.631085	PHB2	prohibitin 2
13361515	6.53	6.05	1.39	0.054422	0.385797	AT1G80380	D-glycerate 3-kinase
13468511	6.53	6.06	1.38	0.241372	0.533576	AT4G14500	SRPBCC ligand-binding domain-containing protein
13428284	6.53	6.09	1.35	0.267165	0.546492	AT3G14830	hypothetical protein
13452084	6.53	6.11	1.34	0.264297	0.545327	MNS2	mannosyl-oligosaccharide 1,2-alpha-mannosidase MNS2
13542301	6.53	6.12	1.32	0.320239	0.570731	GUT1	Exostosin family protein
13352535	6.53	6.17	1.29	0.224311	0.524988	AT1G55340	hypothetical protein
13367405	6.53	6.19	1.27	0.269988	0.548178	PP2AA3	protein phosphatase 2A subunit A3
13353083	6.53	6.19	1.26	0.239118	0.532377	AT1G57620	emp24/gp25L/p24 family/GOLD domain-containing protein
13357812	6.53	6.21	1.25	0.582227	0.721572	POK	Vps52 / Sac2-like protein
13503814	6.53	6.23	1.22	0.249619	0.537218	RAN2	GTP-binding nuclear protein Ran-2
13407216	6.53	6.28	1.18	0.398929	0.605105	PLPB	protein TWIN LOV 1
13465242	6.53	6.31	1.17	0.219035	0.52121	AT4G03180	hypothetical protein
13405928	6.53	6.34	1.14	0.108612	0.440622	AT2G46735	hypothetical protein
13489811	6.53	6.34	1.14	0.547139	0.69741	emb1027; AT4G26288	Arginyl-tRNA synthetase, class Ic; hypothetical protein
13362718	6.53	6.37	1.12	0.704242	0.805303	AT1G03330	small nuclear ribonucleoprotein-like protein
13446529	6.53	6.37	1.11	0.507543	0.670672	AT3G08740	elongation factor EF-P
13367383	6.53	6.55	-1.01	0.960223	0.976487	RTFL17	ROTUNDIFOLIA like 17
13398854	6.53	6.69	-1.12	0.322064	0.57149	AT2G30050	protein transport protein SEC13
13353266	6.53	7.73	-2.29	0.008748	0.293015	AAP1	amino acid permease 1
13382090	6.52	3.91	6.1	0.017839	0.319749	AT1G61750	Receptor-like protein kinase-related protein
13402037	6.52	5.07	2.74	0.126925	0.456733	AT2G37650	scarecrow-like protein 9
13347861	6.52	5.11	2.65	0.046914	0.377465	AT1G34420	leucine-rich repeat transmembrane protein kinase-like protein
13339141	6.52	5.52	1.99	0.225881	0.524988	AT1G12160	Flavin-binding monooxygenase family protein
13426351	6.52	5.59	1.92	0.135705	0.464905	AT3G10220; LYC	tubulin folding cofactor B; lycopene beta cyclase
13335374	6.52	5.58	1.91	0.005697	0.279573	AT1G03610	hypothetical protein

13407277	6.52	5.61	1.88	0.055158	0.387216	APK2B	protein kinase 2B
13377286	6.52	5.64	1.84	0.01906	0.321499	AT1G49000	hypothetical protein
13473276	6.52	5.65	1.83	0.135958	0.465036	AT4G25170	hypothetical protein
13349067	6.52	5.69	1.78	0.143277	0.469052	SBP1	S-ribonuclease binding protein 1
13461626	6.52	5.69	1.78	0.084999	0.419494	AT3G58470	nucleic acid binding / methyltransferase
13456972	6.52	5.8	1.65	0.07571	0.410503	AT3G47000	beta-glucosidase
13364633	6.52	5.8	1.64	0.27527	0.550583	AT1G07350	RNA recognition motif-containing protein
13394497	6.52	5.89	1.55	0.016446	0.316128	AT2G19130	S-locus lectin protein kinase-like protein
13408707	6.52	5.89	1.55	0.268955	0.547659	GONST1	GDP-mannose transporter
13473346	6.52	5.9	1.53	0.041684	0.368024	AT4G25320	AT hook motif DNA-binding family protein
13485428	6.52	5.91	1.52	0.297012	0.562225	ADA2B	transcriptional adapter ADA2b
13460058	6.52	5.93	1.51	0.081869	0.416828	AMP1	glutamate carboxypeptidase II
13491948	6.52	5.95	1.48	0.123397	0.453558	AT4G31320	SAUR-like auxin-responsive protein
13381803	6.52	5.96	1.47	0.243088	0.534289	EDA16	SNF2, helicase and zinc finger domain-containing protein
13439783	6.52	6	1.43	0.44827	0.634904		
13358167	6.52	6.02	1.41	0.068394	0.406403	AT1G72090	Methylthiotransferase
13503403	6.52	6.03	1.41	0.217437	0.520618	KAPP	protein phosphatase 2C 70
13481677	6.52	6.04	1.4	0.282408	0.555492	AT4G04745	hypothetical protein
13348729	6.52	6.07	1.37	0.275017	0.550583	RAB18	Ras-related protein Rab-18
13421341	6.52	6.08	1.36	0.213409	0.518061	AT2G44760	hypothetical protein
13483476	6.52	6.12	1.32	0.593522	0.728847	AT4G12090	Cornichon family protein
13496169	6.52	6.14	1.31	0.081649	0.416797	TAAC	thylakoid ADP,ATP carrier protein
13540158	6.52	6.13	1.31	0.343944	0.579276	HAG2	histone acetyltransferase type B catalytic subunit
13413324	6.52	6.14	1.3	0.348899	0.581017	RPN13	regulatory particle non-ATPase 13
13414348	6.52	6.17	1.28	0.024862	0.33454	AT2G28870	hypothetical protein
13477271	6.52	6.16	1.28	0.239788	0.532669	MCCB	methylcrotonoyl-CoA carboxylase beta chain
13477979	6.52	6.21	1.24	0.291441	0.559213	AT4G35500	protein kinase family protein
13485377	6.52	6.21	1.24	0.315383	0.568203	SPK1	guanyl-nucleotide exchange factor / GTPase binding / GTP binding protein
13460954	6.52	6.25	1.21	0.391728	0.600975	SIP2;1; CRD1	putative aquaporin SIP2-1; magnesium-protoporphyrin IX monomethyl ester [oxidative] cyclase
13452804	6.52	6.28	1.18	0.286286	0.556958	AT3G23170	hypothetical protein
13502767	6.52	6.3	1.16	0.623919	0.749085	MYB56	myb domain protein 56
13540303	6.52	6.31	1.16	0.459063	0.640349	ACA8	calcium-transporting ATPase 8
13349505	6.52	6.34	1.13	0.697645	0.8009	AT1G48230	nodulin MtN21 /EamA-like transporter protein
13490430	6.52	6.39	1.1	0.246766	0.535608	AT4G27585	SPFH/Band 7/PHB domain-containing membrane-associated protein
13462903	6.52	6.48	1.02	0.489782	0.658225	TUBG1	tubulin gamma-1 chain
13411616	6.52	6.78	-1.2	0.439165	0.629244	AAT	aspartate aminotransferase
13505083	6.52	6.83	-1.24	0.240699	0.53343	AT5G23850	hypothetical protein
13336964	6.52	6.84	-1.25	0.023688	0.331326	SMO2-1	methylsterol monooxygenase
13408304	6.52	7.28	-1.7	0.483283	0.653912	AT2G07684	hypothetical protein
13406621	6.52	7.56	-2.06	0.00265	0.253459	EDA4	xylogen like protein 6
13355160	6.52	8.91	-5.25	0.000539	0.207323	AT1G64590	putative short-chain dehydrogenase
13360476	6.51	4.71	3.5	0.057131	0.391414	AT1G78020	hypothetical protein

13470978	6.51	5.39	2.18	0.032367	0.353134	KUP9	K+ uptake permease 9
13476438	6.51	5.45	2.09	0.009399	0.296261	SD2-5	protein S-DOMAIN-2 5
13482451	6.51	5.54	1.95	0.238644	0.532292	AT4G09340	SPla/RYanodine receptor (SPRY) domain-containing protein
13532959	6.51	5.64	1.83	0.035527	0.356207	AT5G37475	Translation initiation factor eIF3 subunit
13543196	6.51	5.66	1.81	0.240751	0.53343	ERS	glutamyl-tRNA synthetase
13474944	6.51	5.68	1.78	0.056523	0.389748	AT4G28830	putative methylase
13366320	6.51	5.7	1.76	0.149573	0.472476	AT1G10750	hypothetical protein
13512549	6.51	5.76	1.68	0.103082	0.435908	AT5G49220	hypothetical protein
13469795	6.51	5.79	1.65	0.268394	0.547027	AT4G17080	Histone H3 K4-specific methyltransferase SET7/9 family protein
13517211	6.51	5.8	1.64	0.15077	0.473528	AT5G59830	hypothetical protein
13475523	6.51	5.83	1.6	0.047828	0.37767	AT4G30310	FGGY family of carbohydrate kinase
13351548	6.51	5.88	1.54	0.086794	0.422399	AT1G53190	RING/U-box domain-containing protein
13398985	6.51	5.9	1.53	0.286057	0.556821	WRKY21	WRKY DNA-binding protein 21
13479722	6.51	5.97	1.46	0.152749	0.475521	PXA1	ABC transporter D family member 1
13542521	6.51	5.96	1.46	0.355321	0.584538	GSTU9	glutathione S-transferase tau 9
13544284	6.51	6.06	1.37	0.342936	0.579024	AT5G66420	hypothetical protein
13500520	6.51	6.07	1.36	0.200113	0.509426	AT5G11760	hypothetical protein
13467821	6.51	6.09	1.34	0.308734	0.566484	CPR30	F-box protein CPR30
13340214	6.51	6.11	1.33	0.186658	0.500853	AT1G15030; AT1G15040	hypothetical protein; class I glutamine amidotransferase domain-containing protein
13377639	6.51	6.13	1.31	0.30372	0.56434	CLPR1; AT1G49960	ATP-dependent Clp protease proteolytic subunit-related protein 1; nucleobase-ascorbate transporter 4
13514189	6.51	6.12	1.31	0.310345	0.566973	PKP-BETA1	pyruvate kinase
13500139	6.51	6.13	1.3	0.18597	0.500322	TRS120	protein TRS120
13465247	6.51	6.15	1.28	0.268113	0.546649	AT4G03200	hypothetical protein
13521807	6.51	6.21	1.24	0.584318	0.723168	AT5G04090	hypothetical protein
13507334	6.51	6.22	1.23	0.044841	0.374597	AT5G35580	kinase-like protein
13504590	6.51	6.22	1.22	0.63154	0.754621	AT5G22760	PHD finger family protein
13493537	6.51	6.29	1.17	0.680255	0.788339	AT4G34660	SH3 domain-containing protein
13337184	6.51	6.38	1.09	0.769293	0.849476	PDIL5-1	PDI-like 5-1
13459940	6.51	6.39	1.09	0.24826	0.536392	AT3G54470	orotidine 5'-phosphate decarboxylase
13347564	6.51	6.43	1.06	0.631873	0.754799	AT1G33810	hypothetical protein
13531023	6.51	6.44	1.05	0.828401	0.890961	GATA12	GATA transcription factor 12
13489723	6.51	6.49	1.01	0.958493	0.97535	CK1; RPS2	casein kinase 1; disease resistance protein RPS2
13524123	6.51	6.59	-1.06	0.78785	0.862504	TGA4	transcription factor TGA4
13453429	6.51	6.6	-1.07	0.590783	0.727202	AT3G24670	pectate lyase
13373152	6.51	6.66	-1.11	0.407788	0.610439	AT1G28050	zinc finger protein CONSTANS-LIKE 15
13394755	6.51	6.66	-1.11	0.274387	0.550583	AT2G19750; AT5G56670; AT4G29390	40S ribosomal protein S30
13505347	6.51	6.71	-1.15	0.429547	0.622793	AT5G24460	hypothetical protein
13423445	6.51	6.82	-1.24	0.242159	0.533953	AT3G02710	beta-catenin-like protein 1
13426839	6.51	6.85	-1.26	0.1553	0.478104	AT3G11420	hypothetical protein
13536597	6.51	7.4	-1.85	0.01493	0.313095	TDT	tonoplast dicarboxylate transporter
13356399	6.5	3.12	10.41	0.008841	0.293015	CCOAMT	caffeoyl-CoA 3-O-methyltransferase
13433910	6.5	5.11	2.61	0.063361	0.399471	AT3G27400	pectate lyase

13498118	6.5	5.46	2.05	0.018984	0.321499	UGT76C2	cytokinin-N-glucosyltransferase 2
13451972	6.5	5.61	1.85	0.130661	0.460628	ZTP29	ZIP metal ion transporter
13461132	6.5	5.62	1.84	0.138389	0.46568	AT3G57350	nuclear pore complex component Nup93/Nic96 domain-containing protein
13396601	6.5	5.64	1.82	0.023427	0.330182	AT2G24290	hypothetical protein
13502113	6.5	5.67	1.78	0.077474	0.412519	AT5G16060	cytochrome c oxidase biogenesis protein Cmc1-like protein
13364105	6.5	5.7	1.74	0.214417	0.518884	CPuORF8; EMB1444	conserved peptide upstream open reading frame 8; uncharacterized basic helix-loop-helix protein
13475651	6.5	5.74	1.7	0.235349	0.529729	AT4G30760	Putative endonuclease or glycosyl hydrolase
13464338	6.5	5.77	1.66	0.025751	0.33601	AT4G01330	protein kinase family protein
13357940	6.5	5.78	1.65	0.363201	0.588601	CK1	choline kinase 1
13476322	6.5	5.85	1.57	0.122283	0.452662	KNAT5	homeobox protein knotted-1-like 5
13465221	6.5	5.93	1.48	0.213761	0.518273	AT4G03120	C2H2 and C2HC zinc finger-containing protein
13517002	6.5	5.93	1.48	0.108577	0.440622	MBD6	methyl-CPG-binding domain 6 protein
13419168	6.5	5.95	1.46	0.224583	0.524988	AT2G39805	Integral membrane Yip1 family protein
13366046	6.5	5.96	1.45	0.01319	0.305755	AT1G10180	hypothetical protein
13531016	6.5	5.97	1.44	0.365562	0.589831	AT5G25820	Exostosin family protein
13342312	6.5	6	1.42	0.345198	0.580035	GAMMA CA1	gamma carbonic anhydrase 1
13404839	6.5	6.05	1.37	0.031737	0.352572	AT2G44310	calcium-binding EF-hand-containing protein
13350968	6.5	6.06	1.36	0.336126	0.576994	AT1G51720	glutamate dehydrogenase (NADP+)
13396534	6.5	6.11	1.31	0.034647	0.355201	AT2G24060	translation initiation factor IF-3
13412645	6.5	6.11	1.31	0.473037	0.648252	CLPB4	casein lytic proteinase B4
13538849	6.5	6.11	1.31	0.568268	0.711281	AT5G52980	hypothetical protein
13483096	6.5	6.15	1.28	0.350812	0.582019	MTSSB	Single-stranded DNA-binding protein
13517992	6.5	6.14	1.28	0.433155	0.625192	AT5G61670	hypothetical protein
13454176	6.5	6.15	1.27	0.05541	0.387872	AT3G26990	ENTH/VHS family protein
13424504	6.5	6.28	1.16	0.370673	0.591914	ATL6	E3 ubiquitin-protein ligase ATL6
13460396	6.5	6.29	1.16	0.564908	0.709405	AT3G55430	O-Glycosyl hydrolases family 17 protein
13543795	6.5	6.33	1.12	0.673634	0.783719	KAC2	kinesin like protein for actin based chloroplast movement 2
13543270	6.5	6.47	1.02	0.905244	0.942024	RPS28	40S ribosomal protein S28-2
13467841	6.5	6.66	-1.12	0.599	0.731685	RAP74	transcription initiation factor IIF subunit alpha
13474301	6.5	6.71	-1.15	0.585272	0.723942	AT4G27652	hypothetical protein
13544732	6.5	6.74	-1.19	0.022221	0.326383	ZF1	zinc-finger protein 1
13418630	6.5	6.76	-1.2	0.476957	0.650455	GAUT7	alpha-1,4-galacturonosyltransferase
13496841	6.5	6.85	-1.27	0.317656	0.569216	JKD	zinc finger protein JACKDAW
13427651	6.49	4.96	2.88	0.030589	0.350098	AT3G13437	hypothetical protein
13521215	6.49	5.1	2.63	0.051531	0.382129	AT5G02360	DC1 domain-containing protein
13415671	6.49	5.16	2.51	0.030616	0.350098	XIF	myosin-like protein XIF
13515884	6.49	5.24	2.36	0.174534	0.4916	NDL1	N-MYC downregulated-like 1 protein
13472056	6.49	5.35	2.2	0.082117	0.417191	AT4G22360	SWIB complex BAF60b domain-containing protein
13496156	6.49	5.38	2.15	0.04056	0.365846	CAX4	vacuolar cation/proton exchanger 4
13392977	6.49	5.49	2.01	0.196649	0.50734	VSR3	vacuolar-sorting receptor 3
13355797	6.49	5.56	1.91	0.061365	0.398106	AT1G66440	cysteine/histidine-rich C1 domain-containing protein

13447487	6.49	5.59	1.87	0.330215	0.575506	NAP7	ABC transporter I family member 6
13518270	6.49	5.67	1.77	0.035006	0.355472	AT5G62260	AT hook motif DNA-binding protein
13365616	6.49	5.8	1.62	0.332285	0.576298	AT1G09330	hypothetical protein
13444252	6.49	5.85	1.56	0.282446	0.555492	BPM4	BTB/POZ and M4 domain-containing protein
13474197	6.49	5.9	1.51	0.145836	0.470399	AT4G27380	hypothetical protein
13503452	6.49	5.92	1.49	0.153198	0.476222	AT5G19350	RNA recognition motif-containing protein
13373100	6.49	6.01	1.4	0.043649	0.372891	MAP65-8	microtubule-associated protein 65-8
13371100	6.49	6.05	1.36	0.242387	0.534004	AT1G22060	hypothetical protein
13379635	6.49	6.05	1.35	0.02572	0.33601	GAMMA-H2AX; AT1G54680	gamma histone variant H2AX; hypothetical protein
13514340	6.49	6.13	1.28	0.36221	0.587961	AT5G53150	DNAJ heat shock N-terminal domain-containing protein
13522235	6.49	6.19	1.23	0.462499	0.642977	AT5G05200	aarF domain-containing protein kinase
13438589	6.49	6.21	1.22	0.339269	0.577944	UBQ1; AT2G36170	60S ribosomal protein L40-2
13478689	6.49	6.25	1.19	0.228451	0.526242	AT4G37130	hydroxyproline-rich glycoprotein family protein
13390362	6.49	6.27	1.17	0.293725	0.560002	RHA2B	putative E3 ubiquitin-protein ligase RHA2B
13430626	6.49	6.34	1.11	0.085239	0.419888	AT3G19570	hypothetical protein
13531532	6.49	6.38	1.08	0.664812	0.777318	TIF3B1	translation initiation factor 3 subunit B
13545607	6.49	6.4	1.06	0.07426	0.410257	AT3G14840	Leucine-rich repeat transmembrane protein kinase
13353545	6.49	6.52	-1.03	0.929169	0.956922	ARF1	auxin response factor 1
13361503	6.49	6.59	-1.08	0.663591	0.776668	CYCA2;4	cyclin-A2-4
13427011	6.49	6.92	-1.34	0.258514	0.541251	ANT1	aromatic and neutral transporter 1
13340367	6.49	7.22	-1.66	0.226464	0.525194	AT1G15380	lactoylglutathione lyase / glyoxalase I-like protein
13337711	6.49	8.22	-3.32	0.017931	0.319749	ESL1	sugar transporter ERD6-like 3
13478398	6.48	4.56	3.79	0.024319	0.333011	UBC17	putative ubiquitin-conjugating enzyme E2 17
13441892	6.48	4.87	3.05	0.031927	0.352653	PDLP8	cysteine-rich repeat secretory protein 15
13442935	6.48	4.98	2.82	0.049764	0.379003	GG1	Ggamma-subunit 1
13406883	6.48	5.07	2.66	0.12254	0.45286	RGA1	DELLA protein RGA
13533166	6.48	5.15	2.51	0.0375	0.360894	AT5G38100	putative S-adenosylmethionine-dependent methyltransferase
13380848	6.48	5.38	2.14	0.13957	0.466238	SAB	golgi-body localisation and RNA pol II promoter Fmp27 domain-containing protein
13534870	6.48	5.44	2.05	0.021185	0.324683	SPL2	squamosa promoter-binding-like protein 2
13378249	6.48	5.53	1.93	0.086611	0.422315	AT1G51630	O-fucosyltransferase family protein
13422179	6.48	5.57	1.88	0.009073	0.296166	AT2G46890	hypothetical protein
13368009	6.48	5.57	1.88	0.105061	0.43719	AT1G14710	hydroxyproline-rich glycoprotein-like protein
13483368	6.48	5.66	1.77	0.128907	0.458942	AT4G11860	hypothetical protein
13485832	6.48	5.71	1.71	0.079542	0.414219	AT4G17070	peptidyl-prolyl cis-trans isomerase
13536701	6.48	5.72	1.69	0.025242	0.335081	PFK2	6-phosphofructokinase 2
13417812	6.48	5.74	1.67	0.208082	0.513672	AT2G36810	hypothetical protein
13543814	6.48	5.76	1.66	0.007858	0.290374	AT5G65490; AT5G65480	hypothetical protein
13342032	6.48	5.87	1.53	0.247048	0.535723	AT1G18950	DDT domain-containing protein
13409464	6.48	5.88	1.52	0.425231	0.620343	UBC23	putative ubiquitin-conjugating enzyme E2 23
13372693	6.48	5.92	1.47	0.164274	0.485779	AT1G26620	hypothetical protein

13464498	6.48	5.92	1.47	0.239899	0.532792	PPOX; AT4G01700	protoporphyrinogen oxidase; class II chitinase-like protein
13344170	6.48	6.01	1.39	0.290858	0.558747	AT1G24440	RING/U-box domain-containing protein
13529298	6.48	6.04	1.36	0.372354	0.591983	AT5G22280	hypothetical protein
13359237	6.48	6.05	1.35	0.061395	0.398106	AT1G74790	HIPL1 protein
13489101	6.48	6.07	1.33	0.281567	0.554731	AT4G24760	esterase/lipase domain-containing protein
13537758	6.48	6.11	1.29	0.180095	0.495683	CP31B	chloroplast RNA-binding protein 31B
13350256	6.48	6.14	1.26	0.078175	0.413717	AT1G50120	hypothetical protein
13442612	6.48	6.14	1.26	0.255706	0.540325	DUF7	hypothetical protein
13515769	6.48	6.18	1.23	0.397842	0.60461	AT5G56500	TCP-1/cpn60 chaperonin family protein
13426947	6.48	6.2	1.21	0.577776	0.7179	FLA18	fasciclin-like arabinogalactan protein 18
13347149	6.48	6.23	1.18	0.579766	0.719716	AT1G32580	putative plastid developmental protein DAG
13384542	6.48	6.25	1.17	0.505703	0.66919	GCS1	glucosidase 1
13476127	6.48	6.26	1.16	0.321288	0.571176	SRZ-22	protein serine/arginine-rich 22
13416716	6.48	6.31	1.13	0.610878	0.740457	AT2G34300	putative methyltransferase PMT25
13417242	6.48	6.3	1.13	0.317228	0.568833	AT2G35490	putative plastid-lipid-associated protein 3
13425359	6.48	6.31	1.12	0.610678	0.74026	AT3G07140	GPI transamidase component Gpi16 subunit-like protein
13543488	6.48	6.35	1.1	0.482429	0.653509	AT5G64670	ribosomal protein L18e/L15
13337840	6.48	6.38	1.07	0.661237	0.775368	AT1G09150	pseudouridine synthase and archaeosine transglycosylase domain-containing protein
13496200	6.48	6.47	1.01	0.955954	0.973875	AT5G01520	RING/U-box domain-containing protein
13378380	6.48	6.51	-1.02	0.897341	0.936768	AT1G51860	putative LRR receptor-like serine/threonine-protein kinase
13396489	6.48	6.57	-1.06	0.503908	0.668022	AT2G23940; AT2G23945	hypothetical protein; aspartyl protease family protein
13480293	6.48	6.66	-1.14	0.61545	0.743728	AT4G00840	putative S-acyltransferase
13450720	6.48	6.7	-1.17	0.603922	0.735021	AT3G17930	hypothetical protein
13465484	6.48	6.72	-1.18	0.47038	0.646948	MEE51	pyrophosphate--fructose-6-phosphate 1-phosphotransferase
13503198	6.48	7.74	-2.39	0.062841	0.398621	AT5G18860	inosine-uridine preferring nucleoside hydrolase family protein
13381850	6.47	4.93	2.91	0.09969	0.434356	AT1G61360	S-like receptor protein kinase
13368262	6.47	5.24	2.35	0.018243	0.320589	RHA2A	E3 ubiquitin-protein ligase RHA2A
13406003	6.47	5.26	2.3	0.161246	0.483302	AT2G46900	hypothetical protein
13419919	6.47	5.37	2.16	0.028237	0.345509	ABCA1	ABC transporter A family member 1
13530521	6.47	5.48	1.99	0.073647	0.410046	AT5G24740	hypothetical protein
13360018	6.47	5.56	1.88	0.057684	0.39275	PRAF1	regulator of chromosome condensation and FYVE zinc finger domain-containing protein
13364652	6.47	5.71	1.7	0.157733	0.48029	AT1G07380	Neutral/alkaline non-lysosomal ceramidase
13382114	6.47	5.7	1.7	0.248422	0.536487	AT1G61890	MATE efflux family protein
13380579	6.47	5.71	1.68	0.02535	0.335434	AT1G57680	hypothetical protein
13345854	6.47	5.73	1.67	0.100375	0.434607	AT1G29520	AWPM19-like protein
13506419	6.47	5.73	1.67	0.160928	0.483174	AT5G27410; AT5G27400	branched-chain-amino-acid aminotransferase-like protein 2; S-adenosyl-L-methionine-dependent methyltransferase domain-containing protein
13385988	6.47	5.78	1.61	0.060709	0.396635	ATWHY2; AT1G71250	protein WHIRLY 2; GDSL esterase/lipase

13337507	6.47	5.83	1.56	0.271624	0.548926	PKDM7D	transcription factor jumonji and C5HC2 type zinc finger domain-containing protein
13527703	6.47	5.91	1.47	0.355704	0.584584	AT5G18190	protein kinase-like protein
13510095	6.47	5.96	1.43	0.190497	0.503959	UAH	ureidoglycolate amidohydrolase
13389740	6.47	6	1.39	0.353566	0.583778	ELF7	hydroxyproline-rich glycoprotein family protein
13506122	6.47	6.13	1.27	0.478916	0.651548	AT5G26800	hypothetical protein
13371004	6.47	6.18	1.22	0.167485	0.48688	AT1G21770; AT1G21780; FBP7	acyl-CoA N-acyltransferases-like protein; BTB/POZ domain-containing protein; F-box protein 7
13460174	6.47	6.19	1.21	0.296621	0.561924	CXIP1	monothiol glutaredoxin-S14
13515162	6.47	6.22	1.19	0.198655	0.508119	AT5G54980	hypothetical protein
13358152	6.47	6.25	1.16	0.550194	0.699689	TFIIIA	transcription factor IIIA
13535288	6.47	6.27	1.15	0.284182	0.556096	AT5G44250	hypothetical protein
13409336	6.47	6.3	1.12	0.603459	0.734668	AT2G16510; VHA-C3; AVA-P1	V-type proton ATPase proteolipid subunit c1/c3/c5; V-type H+-transporting ATPase 16kDa proteolipid subunit
13359168	6.47	6.32	1.11	0.305761	0.565046	AT1G74640	putative alpha/beta-hydrolase-like protein
13508565	6.47	6.33	1.1	0.602933	0.734165	AT5G39990	Core-2/I-branching beta-1,6-N-acetylglucosaminyltransferase family protein
13375212	6.47	6.62	-1.12	0.523156	0.681277	AT1G33490	hypothetical protein
13469780	6.47	6.67	-1.15	0.479989	0.652001	UGLYAH	ureidoglycine aminohydrolase
13362534	6.47	6.71	-1.18	0.197357	0.507696	RALF1	rapid alkalinization factor 1
13455246	6.47	6.82	-1.27	0.296074	0.561293	AT3G29760	haloacid dehalogenase-like hydrolase domain-containing protein
13366652	6.47	6.9	-1.35	0.164551	0.485865	MLO2	MLO-like protein 2
13535830	6.46	4.83	3.1	0.090245	0.427018	AT5G45500	RNI-like superfamily protein
13501325	6.46	5.26	2.31	0.017177	0.319147	CARAB-AK-LYS	aspartokinase 2
13491219	6.46	5.37	2.13	0.057918	0.39275	MKK2	mitogen-activated protein kinase kinase 2
13449460	6.46	5.54	1.89	0.013107	0.305417	AT3G14410	Nucleotide/sugar transporter family protein
13470380	6.46	5.57	1.85	0.10099	0.434702	AT4G18465	ATP-dependent RNA helicase DDX35
13463976	6.46	5.62	1.79	0.192143	0.505296	CCT	RNA polymerase II transcription mediator
13422883	6.46	5.75	1.64	0.040865	0.36627	AT3G01560	hypothetical protein
13347742	6.46	5.76	1.63	0.206812	0.513335	FAB1D	protein FAB1D
13412334	6.46	5.82	1.56	0.260651	0.542969	AT2G24330	hypothetical protein
13501384	6.46	5.84	1.53	0.16842	0.487177	COP13	COP9 signalosome complex subunit 3
13444380	6.46	5.87	1.5	0.24973	0.537218	APY1	nucleoside-triphosphatase
13466629	6.46	5.88	1.5	0.402527	0.607175	AT4G09180	transcription factor bHLH81
13445583	6.46	5.91	1.46	0.408667	0.610785	REP	Rab escort protein
13417091	6.46	5.96	1.42	0.167384	0.486855	GRL	protein NAP1
13486386	6.46	5.99	1.38	0.361194	0.5879	EIF4E	translation initiation factor eIF-4E
13465848	6.46	6.02	1.36	0.161461	0.483432	AT4G04925	hypothetical protein
13357006	6.46	6.04	1.34	0.400835	0.606291	NAP	NAC domain-containing protein 29
13470570	6.46	6.03	1.34	0.252263	0.538705	AT4G18905	transducin/WD40 domain-containing protein
13478582	6.46	6.05	1.33	0.331222	0.576012	AT4G36960	RNA recognition motif-containing protein
13384197	6.46	6.06	1.32	0.253765	0.539549	ABA4	abscisic acid (aba)-deficient 4 protein
13476965	6.46	6.13	1.26	0.433667	0.625466	AT4G33100	hypothetical protein
13355115	6.46	6.14	1.24	0.368782	0.591189	AT1G64530	RWP-RK domain-containing protein
13537665	6.46	6.14	1.24	0.391101	0.600626	AT5G49950; AT5G49945	embryogenesis-associated protein-like protein; hypothetical protein

13496326	6.46	6.17	1.23	0.123331	0.453558	AT5G01850	protein kinase family protein
13466603	6.46	6.18	1.22	0.531202	0.686998	AT4G09150	T-complex protein 11
13541281	6.46	6.2	1.2	0.434614	0.62623	AT5G59140	transcription elongation factor B, polypeptide 1
13544474	6.46	6.21	1.19	0.640376	0.760374	MAPKKK5	mitogen-activated protein kinase kinase kinase 5
13448305	6.46	6.22	1.18	0.607283	0.737507	RBR1	Retinoblastoma-related protein 1
13356178	6.46	6.24	1.17	0.632426	0.755144	URE	urease
13361860	6.46	6.25	1.16	0.370096	0.591914	AT1G01100	60S acidic ribosomal protein P1-1
13436663	6.46	6.32	1.1	0.703133	0.804453	AT3G47833	hypothetical protein
13491683	6.46	6.39	1.05	0.775176	0.853632	AT4G30710	hypothetical protein
13459509	6.46	6.42	1.03	0.733799	0.825787	FC1	serine/threonine-protein kinase AFC1
13462642	6.46	6.42	1.03	0.87671	0.92397	AT3G60990; AT5G48190; AT3G07380	hypothetical protein
13512062	6.46	6.42	1.03	0.87671	0.92397	AT3G60990; AT5G48190; AT3G07380	hypothetical protein
13443729	6.46	6.48	-1.01	0.949283	0.969707	MEE31	mannose-6-phosphate isomerase
13537832	6.46	6.56	-1.07	0.714788	0.812551	AT5G50370	adenylate kinase 2
13454619	6.46	6.56	-1.08	0.665131	0.777564		
13472862	6.46	6.61	-1.11	0.016157	0.315398	AT4G24340	phosphorylase family protein
13526548	6.46	6.6	-1.11	0.540998	0.692945	GAUT14	alpha-1,4-galacturonosyltransferase
13417236	6.46	6.62	-1.12	0.198967	0.508455	AT2G35470	hypothetical protein
13400946	6.46	6.65	-1.14	0.624243	0.749285	NPSN11	Novel plant SNARE 11
13529686	6.46	7.12	-1.57	0.087026	0.422399	HTB2	histone H2B
13392332	6.46	7.43	-1.96	0.244146	0.534786		
13545122	6.46	7.43	-1.96	0.244146	0.534786		
13448403	6.46	7.51	-2.07	0.010571	0.296805	SULTR4;2	putative sulfate transporter 4.2
13545248	6.46	7.69	-2.33	0.53258	0.687598	ArthMp011	hypothetical protein
13536743	6.45	4.76	3.21	0.164318	0.485779	AT5G47950	HXXXD-type acyl-transferase-like protein
13361167	6.45	5.06	2.62	0.074022	0.410257	AT1G79660; RFO1	hypothetical protein; wall-associated receptor kinase-like 22
13396314	6.45	5.3	2.23	0.100879	0.434702	DEAR3	ethylene-responsive transcription factor ERF008
13342304	6.45	5.47	1.97	0.039268	0.364658	AT1G19540	NmrA-like negative transcriptional regulator-like protein
13473134	6.45	5.5	1.93	0.154678	0.477786	SAE1A	SUMO-activating enzyme subunit 1A
13382284	6.45	5.51	1.91	0.297002	0.562225	AT1G62310	transcription factor jumonji domain-containing protein
13464311	6.45	5.68	1.7	0.097148	0.433165	AT4G01280	myb family transcription factor
13444745	6.45	5.72	1.66	0.002323	0.253459	DRT102	DNA-damage-repair/toleration protein DRT102
13451997	6.45	5.74	1.64	0.223163	0.524259	AT3G20920	translocation protein SEC62
13363254	6.45	5.77	1.6	0.306041	0.565302	AT1G04590	hypothetical protein
13446500	6.45	5.81	1.57	0.128487	0.458665	AT3G08650	ZIP metal ion transporter-like protein
13343578	6.45	5.82	1.55	0.047359	0.377622	AT1G22870	protein kinase-like protein with ARM repeat domain-containing protein
13386202	6.45	5.82	1.55	0.369642	0.591639	AT1G71950	Proteinase inhibitor, propeptide
13357390	6.45	5.85	1.52	0.282044	0.555268	AT1G70480	hypothetical protein

13532869	6.45	5.85	1.52	0.218643	0.520838	AT5G37310	putative endomembrane protein 70
13387962	6.45	5.88	1.49	0.201319	0.510189	ECH2	enoyl-CoA hydratase 2
13408506	6.45	5.89	1.48	0.105217	0.43719	MAK10	MAK10-like protein
13453111	6.45	5.9	1.47	0.036713	0.359764	AT3G24120	myb family transcription factor
13533098	6.45	5.92	1.45	0.287534	0.557153	OXP1	5-oxoprolinase
13439563	6.45	6.02	1.35	0.57578	0.716785	TON1A	tonneau 1
13373892	6.45	6.04	1.33	0.282112	0.555268	AT1G29880	glycyl-tRNA synthetase 1
13339281	6.45	6.06	1.32	0.382534	0.597093	CLP2	ATP-dependent Clp protease, protease subunit
13350943	6.45	6.06	1.32	0.315034	0.568201	B ALPHA	protein phosphatase 2 (formerly 2A), regulatory subunit B
13417629	6.45	6.07	1.31	0.47107	0.647348	AT2G36480	ENTH/VHS-like protein
13423659	6.45	6.11	1.27	0.151343	0.473698	AT3G03180	Got1/Sft2-like vescicle transport protein
13487423	6.45	6.18	1.21	0.378902	0.594703	DDB1B	DNA damage-binding protein 1b
13512896	6.45	6.2	1.2	0.642974	0.761945	PPOX	pyridoxin (pyrodoxamine) 5'-phosphate oxidase
13502786	6.45	6.24	1.16	0.520199	0.678943	DAR4	protein DA1-related 4
13539457	6.45	6.25	1.16	0.124729	0.453788	G18F	autophagy 18F-like protein
13463426	6.45	6.24	1.15	0.373902	0.592616	AT3G62840; AT2G47640; AUD1	small nuclear ribonucleoprotein D2; UDP-glucuronic acid decarboxylase
13487283	6.45	6.27	1.14	0.496486	0.662855	AT4G20480	Putative endonuclease or glycosyl hydrolase
13457154	6.45	6.27	1.13	0.084091	0.418013	AT3G47590; AT3G47580	alpha/beta-hydrolase domain-containing protein; leucine-rich repeat protein kinase-like protein
13500601	6.45	6.43	1.02	0.96363	0.978557	AT5G11950	cytokinin riboside 5'-monophosphate phosphoribohydrolase LOG8
13468541	6.45	6.47	-1.01	0.968979	0.981965	AT4G14570	acylaminoacyl-peptidase
13435344	6.45	6.49	-1.02	0.823998	0.887629	NEK6	serine/threonine-protein kinase Nek5
13528459	6.45	6.48	-1.02	0.960022	0.97635	AT5G19900	putative PRLI-interacting factor
13513022	6.45	6.5	-1.03	0.920329	0.951866	AT5G50180	protein kinase family protein
13339092	6.45	6.62	-1.13	0.327914	0.574416	AT1G12050	fumarylacetoacetase
13370145	6.45	6.76	-1.23	0.317263	0.568833	BEL10	BEL1-like homeodomain 10
13505359	6.45	6.98	-1.44	0.11684	0.446833	DMR6	downy mildew resistance 6 protein / oxidoreductase
13408310	6.45	7.65	-2.29	0.503233	0.667404		
13545194	6.45	7.65	-2.29	0.503233	0.667404		
13344231	6.44	5.45	1.99	0.010794	0.297771	AT1G24530	transducin/WD-40 repeat-containing protein
13362884	6.44	5.52	1.9	0.071256	0.408234	AT1G03760; SWI2	Prefoldin chaperone subunit family protein; switch 2
13388719	6.44	5.53	1.88	0.178731	0.494636	AT1G77680	Ribonuclease II/R-like protein
13521888	6.44	5.55	1.85	0.180633	0.496111	WCRKC2	thioredoxin-like 3-2
13462481	6.44	5.56	1.84	0.155969	0.478792	AT3G60480	hypothetical protein
13509087	6.44	5.57	1.82	0.12799	0.457939	AT5G41180	putative leucine-rich repeat transmembrane protein kinase
13356629	6.44	5.65	1.73	0.013241	0.306454	AT1G68570	putative nitrite transporter
13345819	6.44	5.7	1.67	0.28066	0.554406	PUB17	U-box domain-containing protein 17
13412611	6.44	5.75	1.61	0.308936	0.566568	AT2G25070	protein phosphatase
13440880	6.44	5.75	1.61	0.226898	0.52549	AT3G58180	deoxyhypusine hydroxylase
13515999	6.44	5.76	1.6	0.020448	0.323807	NMT1	glycylpeptide N-tetradecanoyltransferase 1
13463462	6.44	5.8	1.56	0.226008	0.524988	AT3G62900	CW-type zinc-finger protein

13420939	6.44	5.83	1.52	0.011983	0.301412	AT2G43770	Prp8 binding protein
13404645	6.44	5.86	1.49	0.017719	0.319218	AT2G43810	U6 snRNA-associated Sm-like protein LSm6
13527869	6.44	5.88	1.47	0.369556	0.591602	AT5G18420	hypothetical protein
13372699	6.44	5.89	1.46	0.186464	0.500853	AT1G26640	amino acid kinase-like protein
13425694	6.44	5.9	1.46	0.061548	0.398106	AT3G07950	rhomboid protein-like protein
13503775	6.44	5.9	1.45	0.120538	0.452137	AT5G19960	RNA recognition motif-containing protein
13357635	6.44	5.92	1.43	0.424413	0.619877	AT1G70900	hypothetical protein
13422565	6.44	5.92	1.43	0.075381	0.410503	AT2G47840	hypothetical protein
13397845	6.44	5.96	1.39	0.42249	0.618691	AT2G27460	sec23/sec24 transport family protein
13538350	6.44	5.98	1.38	0.164359	0.485779	AT5G51590	AT hook motif DNA-binding family protein
13407309	6.44	6.03	1.32	0.322911	0.572104	SUT2	sucrose transport protein SUC3
13439571	6.44	6.05	1.32	0.142327	0.468511	TON1B	tonneau 1b (TON1b)
13507358	6.44	6.07	1.29	0.340417	0.57813	iqd33; AT5G35680	protein IQ-domain 33; Nucleic acid-binding, OB-fold-like protein
13529698	6.44	6.1	1.27	0.43172	0.624234	AT5G22930	hypothetical protein
13391373	6.44	6.1	1.26	0.462752	0.643006	AT2G03870	U6 snRNA-associated Sm-like protein LSm7
13359758	6.44	6.14	1.23	0.470164	0.646758	FRS4	protein FAR1-related sequence 4
13524582	6.44	6.15	1.23	0.25798	0.541251	CM2	chorismate mutase 2
13441025	6.44	6.15	1.22	0.468734	0.645927	AT3G58760	Integrin-linked protein kinase family protein
13406279	6.44	6.29	1.11	0.749046	0.835414	NDT1	NAD+ transporter 1
13389370	6.44	6.32	1.09	0.500273	0.665212	AT1G79150	nucleolar complex-associated protein domain-containing protein
13543318	6.44	6.31	1.09	0.286322	0.556958	DiT2.2	dicarboxylate transporter 2.2
13484641	6.44	6.35	1.07	0.811897	0.879666	AT4G14620; CPuORF60	hypothetical protein; uncharacerized protein
13360505	6.44	6.37	1.05	0.85691	0.910523	AT1G78070	transducin/WD-40 repeat-containing protein
13417577	6.44	6.4	1.03	0.924802	0.954626	URH1	Uridine nucleosidase 1
13526742	6.44	6.54	-1.07	0.493741	0.660826	AT5G15870	glycosyl hydrolase family 81 protein
13498742	6.44	6.55	-1.08	0.812544	0.880099	AT5G07340	calnexin2
13482932	6.44	6.6	-1.12	0.692332	0.796907	AT4G10730	protein kinase-like protein
13479788	6.44	6.92	-1.39	0.264007	0.544951	AKN2	Adenylyl-sulfate kinase 2
13418692	6.44	6.99	-1.47	0.041759	0.368024	AT2G38740	haloacid dehalogenase-like hydrolase domain-containing protein
13346781	6.44	7.64	-2.3	0.074469	0.410455	AT1G31710	putative copper amine oxidase
13544928	6.44	8.08	-3.11	0.284133	0.556096		
13545049	6.44	8.08	-3.11	0.284133	0.556096		
13343898	6.44	8.95	-5.7	0.021547	0.325381	BCA3	beta carbonic anhydrase 3
13493575	6.43	4.25	4.53	0.018232	0.320589	AT4G34760	SAUR-like auxin-responsive protein 9
13473663	6.43	4.72	3.28	0.018803	0.321499	PIRL8	plant intracellular ras group-related LRR 8
13529362	6.43	5.06	2.59	0.151542	0.473899	VAMP714	vesicle-associated membrane protein 714
13334217	6.43	5.09	2.53	0.084312	0.418249	AT1G01210	DNA-directed RNA polymerase III subunit C11
13336070	6.43	5.14	2.45	0.026605	0.339318	AT1G05380	Acyl-CoA N-acyltransferase with RING/FYVE/PHD-type zinc finger protein
13446352	6.43	5.15	2.43	0.168989	0.487519	MAPKKK6	mitogen-activated protein kinase kinase kinase 6
13492600	6.43	5.17	2.39	0.030228	0.350098	PFK6	6-phosphofructokinase 6
13403907	6.43	5.18	2.37	0.125072	0.454106	AT2G41780	hypothetical protein

13416786	6.43	5.27	2.24	0.019979	0.322692	CYP710A2	cytochrome P450, family 710, subfamily A
13347624	6.43	5.52	1.87	0.2956	0.561114	MES14; OHP2	methyl esterase 14; one-helix protein 2
13529421	6.43	5.57	1.83	0.148971	0.471967	AT5G22480	ZPR1 zinc-finger domain protein
13380085	6.43	5.57	1.81	0.068554	0.406403	UPL1	ubiquitin-protein ligase 1
13457517	6.43	5.63	1.73	0.066884	0.404372	AT3G48570	protein transport protein sec61 subunit gamma-3
13479109	6.43	5.69	1.67	0.250182	0.537509	AT4G38360	hypothetical protein
13473495	6.43	5.74	1.61	0.243661	0.534763	AT4G25680	PPPDE putative thiol peptidase family protein
13481340	6.43	5.81	1.54	0.367645	0.590773	FH	frataxin
13411987	6.43	5.87	1.48	0.169321	0.487806	AT2G23450	wall-associated receptor kinase-like 14
13457229	6.43	5.86	1.48	0.264014	0.544951	AT3G47836	hypothetical protein
13337819	6.43	5.92	1.42	0.289397	0.558002	SRC2	hypothetical protein
13524090	6.43	5.94	1.41	0.190364	0.503959	EMB2107	26S proteasome regulatory subunit N5
13352403	6.43	5.94	1.4	0.011555	0.299497	AT1G55160	hypothetical protein
13481087	6.43	5.96	1.39	0.079049	0.414078	AT4G02740	F-box protein SKIP17
13447036	6.43	6.02	1.33	0.028562	0.346659	AT3G09760	RING/U-box domain-containing protein
13365730	6.43	6.02	1.33	0.149606	0.472476	AT1G09660	RNA-binding KH domain-containing protein
13538648	6.43	6.02	1.33	0.175094	0.492147	AT5G52370	hypothetical protein
13364324	6.43	6.03	1.32	0.352812	0.583317	AT1G06720	BMS1 and NUC121 domain-containing protein
13368248	6.43	6.03	1.32	0.062549	0.398248	AT1G15060	PhaC and hydrolase domain-containing protein
13457337	6.43	6.06	1.3	0.006847	0.285606	AT3G48030	RING-H2 finger protein ATL48
13372859	6.43	6.06	1.29	0.274356	0.550583	AT1G27210	armadillo/beta-catenin-like repeat-containing protein
13339133	6.43	6.13	1.23	0.369393	0.591518	FMO GS-OX5; AT1G12150	flavin-monooxygenase glucosinolate S-oxygenase 5; hypothetical protein
13367729	6.43	6.14	1.23	0.595609	0.73025	AT1G14170	RNA-binding KH domain-containing protein
13425141	6.43	6.15	1.22	0.451609	0.636192	AT3G66654	Cyclophilin-like peptidyl-prolyl cis-trans isomerase family protein
13450563	6.43	6.15	1.22	0.397112	0.604224	GPK1	glyoxysomal protein kinase 1
13492491	6.43	6.15	1.22	0.07846	0.414078	SHM3	serine hydroxymethyltransferase 3
13339293	6.43	6.17	1.2	0.047713	0.37767	AT1G12450	SNARE associated Golgi protein family
13413357	6.43	6.24	1.14	0.757229	0.841127	AT2G26680	hypothetical protein
13431750	6.43	6.24	1.14	0.640571	0.760374	AT3G22270	Topoisomerase II-associated protein PAT1
13523358	6.43	6.26	1.12	0.737213	0.827811	TOM5	mitochondrial import receptor subunit TOM5-like protein
13336687	6.43	6.31	1.09	0.696562	0.800138	AT1G06650	1-aminocyclopropane-1-carboxylate oxidase-4
13418981	6.43	6.3	1.09	0.832097	0.893733	AT2G39390	60S ribosomal protein L35-2
13437673	6.43	6.34	1.07	0.660144	0.774968	CEN2	putative calcium-binding protein CML20
13487113	6.43	6.35	1.06	0.728603	0.822133	AT4G20020	hypothetical protein
13370474	6.43	6.36	1.05	0.914447	0.94818	OPCL1	OPC-8:0 CoA ligase1
13409006	6.43	6.39	1.03	0.846767	0.90332	AT2G15320	leucine-rich repeat-containing protein
13483889	6.43	6.45	-1.01	0.974093	0.984938	EDA21	defensin-like protein 37
13469725	6.43	6.53	-1.08	0.548783	0.698641	VRN2	polycomb group protein VERNALIZATION 2
13453689	6.43	6.59	-1.12	0.223326	0.524399	AT3G25660	Amidase family protein
13401436	6.43	6.79	-1.28	0.320544	0.570934	AT2G36240	pentatricopeptide repeat-containing protein

13472529	6.43	7.21	-1.71	0.005802	0.279573	CRF2	ethylene-responsive transcription factor CRF2
13423873	6.43	7.64	-2.31	0.095816	0.431773	MS2	methionine synthase 2
13392247	6.43	8.22	-3.46	0.486624	0.656031	AT2G07771; ccb256	putative cytochrome c biosynthesis ccmC-like mitochondrial protein; cytochrome c biogenesis orf256
13387533	6.42	4.61	3.52	0.020096	0.322692	AT1G75060	hypothetical protein
13506443	6.42	4.74	3.21	0.095413	0.431535	CNI1	E3 ubiquitin-protein ligase ATL31
13504881	6.42	4.94	2.8	0.000073	0.14124	AT5G23380	hypothetical protein
13343139	6.42	5.52	1.86	0.187508	0.501922	FBP7	F-box protein 7
13524044	6.42	5.61	1.76	0.294498	0.560624	AT5G09830	BolA-like family protein
13497454	6.42	5.62	1.74	0.241284	0.533548	NAC2	NAC domain-containing protein 78
13484116	6.42	5.67	1.68	0.008641	0.293015	UNE16	unfertilized embryo sac 16 protein / transcription factor
13461338	6.42	5.72	1.62	0.023073	0.330115	AT3G57785	hypothetical protein
13431736	6.42	5.76	1.58	0.079199	0.414078	AT3G22260	OTU-like cysteine protease family protein
13470932	6.42	5.79	1.55	0.202633	0.510485	AK-HSDH II	bifunctional aspartokinase/homoserine dehydrogenase 1
13452100	6.42	5.81	1.52	0.327285	0.574089	AT3G21190	O-fucosyltransferase family protein
13354721	6.42	5.87	1.47	0.398571	0.605002	GPX8	glutathione peroxidase
13402543	6.42	5.87	1.47	0.188025	0.502321	AT2G38840	guanylate-binding-like protein
13446645	6.42	5.88	1.46	0.371749	0.591916	AT3G08960	armadillo/beta-catenin-like repeat-containing protein
13461201	6.42	5.87	1.46	0.325356	0.573204	AT3G57470	insulysin
13512600	6.42	5.91	1.43	0.245022	0.535223	AT5G49400	zinc knuckle (CCHC-type) family protein
13534742	6.42	5.93	1.4	0.313558	0.568024	AT5G42940	RING/U-box domain-containing protein
13386161	6.42	5.99	1.35	0.517304	0.677019	AT1G71780	hypothetical protein
13428503	6.42	6.02	1.31	0.229574	0.527103	AT3G15180	26S proteasome non-ATPase regulatory subunit 5
13433862	6.42	6.06	1.29	0.337883	0.57729	AT3G27325	hydrolase
13352260	6.42	6.1	1.25	0.357042	0.584844	AT1G54850	alpha-crystallin domain of heat shock protein-containing protein
13409103	6.42	6.14	1.22	0.563032	0.707979	AT2G15860	hypothetical protein
13482686	6.42	6.15	1.21	0.475639	0.64968	AT4G10050	protein phosphatase methylesterase 1
13443285	6.42	6.17	1.19	0.497279	0.663441	AT3G01435	hypothetical protein
13534934	6.42	6.19	1.18	0.797477	0.869679	PHT1;1	inorganic phosphate transporter 1-1
13529820	6.42	6.25	1.13	0.273449	0.549997	AT5G23390	hypothetical protein
13336996	6.42	6.27	1.11	0.683237	0.790251	ftsh10	FTSH protease 10
13450695	6.42	6.27	1.11	0.652066	0.769157	AT3G17800	hypothetical protein
13505117	6.42	6.27	1.11	0.742727	0.831025	AT5G23890	hypothetical protein
13509203	6.42	6.28	1.1	0.840343	0.899445		
13539475	6.42	6.33	1.07	0.869769	0.919028	AT5G54780	RabGAP/TBC domain-containing protein
13520939	6.42	6.36	1.04	0.751918	0.837408	AT5G01650	macrophage migration inhibitory factor family protein
13412088	6.42	6.38	1.03	0.825272	0.888499	AT2G23700	hypothetical protein
13345659	6.42	6.45	-1.02	0.922972	0.95353	AT1G28680	N-hydroxycinnamoyl/benzoyltransferase-like protein
13361730	6.42	6.45	-1.02	0.958078	0.975066	WRKY40	putative WRKY transcription factor 40
13368152	6.42	6.48	-1.04	0.862141	0.91411	HMGA	high mobility group protein A
13341178	6.42	6.74	-1.25	0.498327	0.663965	SPS2	solanesyl diphosphate synthase 2

13503386	6.42	6.84	-1.34	0.299389	0.562613	AT5G19230	GPI-anchored glycoprotein membrane precursor
13392259	6.42	7.06	-1.56	0.642656	0.761789	AT2G07798	hypothetical protein
13430577	6.42	7.37	-1.93	0.032436	0.353134	ATCAD4	cinnamyl alcohol dehydrogenase 4
13516781	6.41	5.21	2.3	0.075234	0.410503	AT5G58575	hypothetical protein
13488614	6.41	5.42	1.99	0.000797	0.21702	AT4G23540; AT4G23530	NUC173 domain-containing protein; hypothetical protein
13450493	6.41	5.56	1.8	0.033552	0.354018	AT3G17310	S-adenosyl-L-methionine-dependent methyltransferase-like protein
13497019	6.41	5.61	1.75	0.154934	0.477973	RAB8C	RAB GTPase-8C
13544446	6.41	5.61	1.74	0.150879	0.473611	AT5G66720	putative protein phosphatase 2C 80
13340983	6.41	5.62	1.73	0.30808	0.566074	HAC12	histone acetyltransferase HAC12
13501172	6.41	5.66	1.69	0.186664	0.500853	ZIF1	zinc induced facilitator 1 proetin
13374229	6.41	5.66	1.68	0.329702	0.575101	AT1G30755	hypothetical protein
13444196	6.41	5.76	1.57	0.049356	0.378741	EDA5	exostosin-like protein
13444601	6.41	5.8	1.53	0.171536	0.489309	AT3G04590	AT hook motif DNA-binding family protein
13493113	6.41	5.85	1.48	0.005435	0.277119	AT4G33640	hypothetical protein
13420328	6.41	5.92	1.4	0.331055	0.576012	AT2G42390	protein kinase C substrate, heavy chain-like protein
13540807	6.41	5.94	1.39	0.171242	0.489265	AT5G58090	glucan endo-1,3-beta-glucosidase 6
13500950	6.41	5.95	1.38	0.259922	0.542622	AK-LYS1	aspartokinase 1
13486078	6.41	5.97	1.36	0.079627	0.414219	AT4G17486	PPPDE putative thiol peptidase-like protein
13363131	6.41	6.04	1.29	0.264906	0.545716	AT1G04300	MATH domain-containing protein
13379829	6.41	6.04	1.29	0.457999	0.639717	EDA11	cysteine/histidine-rich C1 domain-containing protein
13357234	6.41	6.06	1.27	0.416482	0.615562	SNL4	paired amphipathic helix protein Sin3-like 4
13372650	6.41	6.07	1.27	0.155614	0.478475	AT1G26450	carbohydrate-binding X8 domain-containing protein
13383486	6.41	6.08	1.26	0.606871	0.73732	ARI8	putative E3 ubiquitin-protein ligase ARI8
13522507	6.41	6.1	1.24	0.105011	0.43719	DFB	DHFS-FPGS homolog B
13400716	6.41	6.18	1.17	0.590249	0.727108	GPS1	geranyl diphosphate synthase 1
13474692	6.41	6.21	1.14	0.592348	0.728214	AT4G28480	DNAJ heat shock protein
13352717	6.41	6.24	1.12	0.633517	0.7561	TIM50	mitochondrial import inner membrane translocase subunit TIM50
13407567	6.41	6.24	1.12	0.638609	0.759355	ACR5	ACT domain-containing protein 5
13427546	6.41	6.26	1.11	0.756523	0.840734	AT3G13240	hypothetical protein
13464002	6.41	6.3	1.08	0.083335	0.417856	AT4G00520	acyl-CoA thioesterase family protein
13353814	6.41	6.3	1.07	0.31346	0.568008	RPAC43	RNA polymerase I subunit 43
13446397	6.41	6.4	1.01	0.967071	0.980673	FRD3	MATE efflux family protein
13397638	6.41	6.45	-1.03	0.346117	0.58045	AT2G26920	Ubiquitin-associated/translation elongation factor EF1B protein
13521042	6.41	6.56	-1.1	0.717357	0.814324	AT5G01890	leucine-rich receptor-like protein kinase
13417563	6.41	6.55	-1.11	0.736905	0.827705	AT2G36290	alpha/beta-hydrolase domain-containing protein
13374373	6.41	6.57	-1.12	0.087896	0.423809	AT1G31130	hypothetical protein
13522456	6.41	6.82	-1.33	0.313171	0.567941	AT5G05820	Nucleotide-sugar transporter family protein
13392235	6.41	6.99	-1.5	0.499015	0.664402	AT2G07669	hypothetical protein
13538010	6.4	4.58	3.53	0.004584	0.262483	HVA22E	HVA22-like protein e
13487503	6.4	4.61	3.44	0.078578	0.414078	AT4G21310	hypothetical protein
13543506	6.4	4.67	3.32	0.036331	0.358832		

13485950	6.4	4.96	2.72	0.017998	0.319749	MAP70-5	microtubule-associated proteins 70-5
13514469	6.4	5.16	2.37	0.156018	0.47881	ORG1	OBP3-responsive protein 1
13441286	6.4	5.37	2.03	0.206585	0.513239	FTA	farnesyltransferase A
13482307	6.4	5.38	2.03	0.07244	0.408352	AT4G08690	Sec14p-like phosphatidylinositol transfer family protein
13530949	6.4	5.38	2.02	0.087679	0.423636	AT5G25757; AT5G25754	RNA polymerase I-associated factor PAF67
13533982	6.4	5.42	1.98	0.064279	0.400717	AT5G40740	hypothetical protein
13350527	6.4	5.46	1.91	0.028539	0.346553	POLGAMMA2	polymerase gamma 2
13388232	6.4	5.6	1.74	0.06382	0.400174	SDG26	histone-lysine N-methyltransferase ASHH1
13338537	6.4	5.61	1.72	0.195308	0.50631	AT1G10720	BSD domain-containing protein
13450595	6.4	5.62	1.71	0.18413	0.498817	RPL3P	50S ribosomal protein L3-2
13415538	6.4	5.66	1.67	0.234847	0.529692	AT2G31670	Stress responsive alpha-beta barrel domain protein
13475575	6.4	5.68	1.65	0.166113	0.486235	AT4G30480	tetratricopeptide repeat domain-containing protein
13482262	6.4	5.68	1.65	0.34421	0.579386	MEKK1	mitogen-activated protein kinase kinase kinase 1
13423784	6.4	5.73	1.59	0.119664	0.450635	AT3G03570	hypothetical protein
13410378	6.4	5.74	1.58	0.181849	0.496969	ckl5	casein kinase I-like 5
13442070	6.4	5.76	1.56	0.227195	0.525611	RS27A	40S ribosomal protein S27-2
13518048	6.4	5.78	1.53	0.371165	0.591914	PPAN	Peter Pan-like protein
13430647	6.4	5.82	1.5	0.059584	0.395062	MGT4	magnesium transporter MRS2-3
13372963	6.4	5.84	1.47	0.181164	0.496614	AT1G27510	hypothetical protein
13542143	6.4	5.85	1.46	0.173605	0.490872	AT5G61450	2-phosphoglycerate kinase-related protein
13361243	6.4	5.92	1.39	0.19042	0.503959	AT1G79870	putative D-isomer specific 2-hydroxyacid dehydrogenase
13374183	6.4	5.93	1.38	0.307011	0.565674	AT1G30590	RNA polymerase I specific transcription initiation factor RRN3 protein
13346970	6.4	5.94	1.37	0.372867	0.592245	bZIP68	basic region/leucine zipper transcription factor 68
13376549	6.4	5.97	1.36	0.074564	0.410456	VFB1	VIER F-box protein 1
13344097	6.4	5.96	1.35	0.166243	0.486308	G6PD3; AT1G24290	glucose-6-phosphate dehydrogenase 3; AAA-type ATPase-like protein
13337639	6.4	5.98	1.34	0.293248	0.559559	AT1G08845	Ribosomal L.8/L5e family protein
13500263	6.4	5.99	1.33	0.205233	0.512076	AT5G11280	hypothetical protein
13367515	6.4	6.01	1.31	0.454893	0.6382	AT1G13520	hypothetical protein
13379640	6.4	6.03	1.3	0.576738	0.717121	ATG18H	autophagy 18H-like protein
13374121	6.4	6.04	1.29	0.569029	0.711808	NF-YA7	nuclear transcription factor Y subunit A-7
13434290	6.4	6.04	1.28	0.531027	0.686896	AT3G28370	hypothetical protein
13440576	6.4	6.05	1.28	0.549999	0.69959	AGK2	guanylate kinase
13405584	6.4	6.07	1.25	0.342483	0.579015	AT2G45990	hypothetical protein
13509694	6.4	6.12	1.22	0.262531	0.543683	AT5G42560	HVA22-like protein i
13346991	6.4	6.2	1.15	0.429422	0.622788	XTH30	xyloglucan:xyloglucosyl transferase
13504062	6.4	6.2	1.15	0.623667	0.749079	TBL16	protein trichome birefringence-like 16
13520545	6.4	6.23	1.13	0.168991	0.487519	FH6	formin-like protein 6
13411148	6.4	6.29	1.08	0.603805	0.734939	DGK5	diacylglycerol kinase 5
13407903	6.4	6.3	1.07	0.416441	0.615562	AT2G04940	scramblase-related protein
13467987	6.4	6.33	1.05	0.653045	0.769732	AT4G13010	putative quinone-oxidoreductase-like protein

13422839	6.4	6.37	1.02	0.777246	0.854956	AT3G01400	armadillo/beta-catenin-like repeat-containing protein
13512299	6.4	6.43	-1.02	0.893483	0.934481	AT5G48610	hypothetical protein
13426108	6.4	6.46	-1.04	0.753755	0.83893	AT3G09570	lung seven transmembrane receptor-like protein
13494753	6.4	6.52	-1.09	0.470578	0.647158	CYP91A2	cytochrome P450 81F1
13482354	6.4	6.63	-1.17	0.398504	0.605002	SUB1	calcium ion binding protein
13460154	6.4	6.84	-1.36	0.355396	0.584538	AT3G54880	hypothetical protein
13469998	6.4	7.02	-1.53	0.318932	0.57007	CBL1	calcineurin B-like protein 1
13428751	6.4	7.02	-1.54	0.100191	0.434576	AT3G15640	cytochrome c oxidase subunit Vb
13403570	6.4	7.21	-1.75	0.101699	0.435397	TCH3	calmodulin-like protein 12
13543751	6.4	7.41	-2.01	0.075296	0.410503	AT5G65360; AT1G09200; AT5G10400; AT5G10390; AT3G27360	histone H3
13411346	6.39	4.71	3.21	0.114691	0.445848	AT2G21350	RNA-binding CRS1 / YhbY (CRM) domain protein
13447269	6.39	5.09	2.46	0.106167	0.438142	AT3G10210	SEC14 cytosolic factor family protein / phosphoglyceride transfer family protein
13489846	6.39	5.16	2.33	0.156938	0.479555		
13478717	6.39	5.24	2.22	0.177239	0.493375	AT4G37210	tetratricopeptide repeat domain-containing protein
13491230	6.39	5.24	2.21	0.222285	0.523484	CFIM-25	CFIM-25-like protein
13495989	6.39	5.3	2.12	0.179846	0.495466		
13358472	6.39	5.31	2.11	0.022867	0.329835	AT1G72850	TIR-NBS class of disease resistance protein
13417861	6.39	5.5	1.87	0.203589	0.510858	AT2G36835	hypothetical protein
13410307	6.39	5.53	1.82	0.052273	0.382608	AT2G19270	hypothetical protein
13522601	6.39	5.56	1.78	0.388524	0.599123		
13445548	6.39	5.57	1.77	0.11049	0.441725	AT3G06450	putative boron transporter 3
13476361	6.39	5.59	1.74	0.197761	0.507784	AT4G32160	Phox (PX) domain-containing protein
13416502	6.39	5.62	1.7	0.201242	0.510163	AGP30	arabinogalactan protein 30
13378510	6.39	5.67	1.65	0.103216	0.435922	AT1G52060	jacalin-like lectin domain-containing protein
13417637	6.39	5.66	1.65	0.189994	0.503729	AT2G36485	ENTH/VHS-like protein
13501061	6.39	5.69	1.63	0.276671	0.551431	KEG	E3 ubiquitin-protein ligase KEG
13380286	6.39	5.71	1.6	0.120958	0.45228	AT1G56145	Leucine-rich repeat transmembrane protein kinase
13537696	6.39	5.71	1.6	0.103829	0.436337	AFB5	transport inhibitor response 1-like protein
13522158	6.39	5.73	1.58	0.302694	0.563999	TOC34	translocase of chloroplast 34
13381508	6.39	5.75	1.56	0.08872	0.42521	AT1G60770	pentatricopeptide repeat-containing protein
13441120	6.39	5.75	1.56	0.277085	0.551795	AT3G59080	aspartyl protease family protein
13394733	6.39	5.8	1.5	0.321464	0.571334	AT2G19710	Regulator of Vps4 activity in the MVB pathway protein
13413047	6.39	5.84	1.46	0.203184	0.510604	AT2G25964	hypothetical protein
13515694	6.39	5.86	1.45	0.304927	0.565001	PEX5	peroxin 5
13390195	6.39	5.9	1.41	0.320814	0.570934	AT1G80670	Rae1-like protein
13368123	6.39	5.95	1.35	0.343166	0.579024	NUP155	nucleoporin 155
13471363	6.39	6.01	1.3	0.592193	0.728122	AT4G20840; AT4G20830	FAD-binding and BBE domain-containing protein; Reticuline oxidase-like protein
13459908	6.39	6.11	1.22	0.227031	0.52549	AT3G54440	beta-galactosidase

13513836	6.39	6.12	1.2	0.46253	0.642988	ATRSP41	arginine/serine-rich-splicing factor RSP41
13376417	6.39	6.18	1.15	0.65459	0.770821	AT1G45160	protein kinase-like protein
13419613	6.39	6.22	1.12	0.543191	0.694429	CYP98A3	cytochrome P450 98A3
13429145	6.39	6.22	1.12	0.47872	0.651465	JAL31	jacalin-related lectin 31
13477156	6.39	6.26	1.1	0.698059	0.801152	DRP3A	dynamin-related protein 3A
13495590	6.39	6.24	1.1	0.079058	0.414078	IMPL2	phosphatase IMPL2
13381677	6.39	6.27	1.08	0.689029	0.794178	AT1G60990; SCRL7	aminomethyltransferase; defensin-like protein 249
13522986	6.39	6.28	1.08	0.370257	0.591914	SNX2b	sorting nexin 2B
13536763	6.39	6.35	1.02	0.911156	0.946213	AT5G48020	dioxygenase-like protein
13447456	6.39	6.52	-1.1	0.703401	0.80468	VPS60.1	charged multivesicular body protein 5
13453523	6.39	6.57	-1.14	0.61617	0.744221	FaTA	fatA acyl-ACP thioesterase
13428254	6.39	6.66	-1.21	0.454195	0.637573	MPK19	mitogen-activated protein kinase 19
13425812	6.39	6.68	-1.23	0.418578	0.616426	AT3G08680	putative inactive receptor kinase
13352018	6.39	6.81	-1.34	0.225437	0.524988	AT1G54260	winged-helix DNA-binding transcription factor family protein
13402326	6.39	6.81	-1.34	0.413219	0.613675	AT2G38380	peroxidase 22
13402646	6.39	7.12	-1.66	0.161316	0.483372	AT2G39050	hydroxyproline-rich glycoprotein-like protein
13533929	6.38	3.12	9.53	0.002184	0.253459	AT5G40590	cysteine/histidine-rich C1 domain-containing protein
13346465	6.38	4.38	4.02	0.001634	0.250556	AT1G30730	FAD-binding and BBE domain-containing protein
13381168	6.38	4.5	3.69	0.096769	0.43273	AT1G60010	hypothetical protein
13498696	6.38	5.55	1.77	0.273665	0.550276	ML4	MEI2-like protein 4
13371343	6.38	5.56	1.76	0.258113	0.541251	ATSAC1	phosphoinositide phosphatase-like protein
13463620	6.38	5.61	1.7	0.117723	0.447676	HMT2	homocysteine S-methyltransferase 2
13409345	6.38	5.68	1.62	0.000462	0.207323	AT2G16530	putative polyprenol reductase 2
13485559	6.38	5.8	1.49	0.019978	0.322692	AT4G16630	DEAD-box ATP-dependent RNA helicase 28
13430712	6.38	5.85	1.44	0.163947	0.485532	PRP40C	transcription elongation regulator 1
13419213	6.38	5.87	1.43	0.332852	0.576298	AT2G39950	hypothetical protein
13453804	6.38	5.91	1.39	0.395611	0.603498	AT3G26000	F-box protein SKIP14
13393726	6.38	5.94	1.36	0.415816	0.614988	HMG2	3-hydroxy-3-methylglutaryl-coenzyme A reductase 2
13497900	6.38	5.94	1.36	0.361848	0.587911	EIF2 ALPHA; AT5G05480	translation initiation factor eIF-2 alpha subunit; Peptide-N4-(N-acetyl-beta-glucosaminyl)asparagine amidase A protein
13358277	6.38	5.96	1.34	0.253368	0.539247	ATL3	RING-H2 finger protein ATL3
13526455	6.38	5.97	1.33	0.203477	0.510814	AT5G15220	large subunit ribosomal protein L27
13368950	6.38	6	1.3	0.471421	0.64746	UBC36	ubiquitin-conjugating enzyme E2 36
13529123	6.38	6.02	1.28	0.06924	0.406403	YLMG2; AT5G21910	YGGT family protein; hypothetical protein
13365390	6.38	6.06	1.25	0.232901	0.528712	AT1G09010	mannosylglycoprotein endo-beta-mannosidase subunit
13403683	6.38	6.09	1.22	0.481665	0.65295	RR3	two-component response regulator ARR8
13543434	6.38	6.09	1.22	0.560641	0.706401	XYL4	beta-D-xylosidase 4
13521924	6.38	6.13	1.19	0.533022	0.687931	AT5G04420; NAC2	kelch repeat-containing protein; NAC domain-containing protein 78
13493887	6.38	6.14	1.18	0.373038	0.592342	NTL9	NAC transcription factor-like 9
13372164	6.38	6.15	1.17	0.530582	0.686612	ZFP7	zinc finger protein 7

13406868	6.38	6.25	1.1	0.571578	0.713767	AT2G01540	calcium-dependent lipid-binding domain-containing protein
13418828	6.38	6.24	1.1	0.298555	0.562461	AT2G39130	transmembrane amino acid transporter-like protein
13477025	6.38	6.28	1.07	0.288718	0.557782	SPPL1	signal peptide peptidase-like 1
13426192	6.38	6.35	1.03	0.323537	0.572669	ADK1	adenosine kinase 1
13394476	6.38	6.43	-1.04	0.635194	0.757491	AT2G19080	metaxin-related protein
13491011	6.38	6.45	-1.05	0.685478	0.791829	PFK1; GGT4	6-phosphofructokinase 1; gamma-glutamyl transpeptidase 4
13433959	6.38	6.58	-1.14	0.534354	0.688582	AT3G27470	hypothetical protein
13434078	6.38	6.77	-1.31	0.217436	0.520618	RPL12-A	50S ribosomal protein L12-1
13421906	6.38	6.88	-1.42	0.155425	0.47818	GC4	golgin candidate 4
13377982	6.38	6.9	-1.43	0.26509	0.545766	AT1G50670	ubiquitin thioesterase OTU1
13402202	6.38	6.93	-1.46	0.02021	0.322692	IRX12	laccase-4
13378097	6.38	7	-1.53	0.155829	0.478792	AT1G51140	transcription factor bHLH122
13485847	6.38	7.2	-1.77	0.118657	0.448976	AT4G17100	hypothetical protein
13510281	6.38	7.53	-2.22	0.108618	0.440622	AT5G44020	HAD superfamily, subfamily IIIB acid phosphatase
13416419	6.37	4.86	2.85	0.143062	0.468992	AT2G33550	gt-2-related protein
13350702	6.37	4.89	2.79	0.002989	0.253459	AT1G51270	vesicle-associated protein 1-4
13406457	6.37	5.02	2.54	0.036872	0.359989	AT2G47860	Phototropic-responsive NPH3-like protein
13460128	6.37	5.22	2.22	0.042537	0.369484	ATVPS33	vacuolar protein sorting-associated protein 33-like protein
13339532	6.37	5.22	2.21	0.046824	0.377465	CYP71B2	cytochrome P450 71B2
13425954	6.37	5.24	2.2	0.112693	0.4438	AT3G09010	protein kinase domain-containing protein
13351152	6.37	5.41	1.95	0.085556	0.420651		
13334720	6.37	5.57	1.74	0.02016	0.322692	AT1G02110	hypothetical protein
13513745	6.37	5.57	1.74	0.313308	0.568008	AT5G51780	transcription factor bHLH36
13346109	6.37	5.65	1.65	0.216548	0.519792	AT1G30130	hypothetical protein
13382454	6.37	5.68	1.61	0.223961	0.524625	AT1G62810	Primary amine oxidase
13427084	6.37	5.72	1.57	0.142532	0.468651	AT3G12020	kinesin motor protein-like protein
13476002	6.37	5.72	1.57	0.252977	0.539119	AT4G31350	Core-2/I-branching beta-1,6-N-acetylglucosaminyltransferase family protein
13398337	6.37	5.75	1.54	0.005958	0.280665	AT2G28600	P-loop containing nucleoside triphosphate hydrolase-like protein
13365448	6.37	5.75	1.54	0.197803	0.507784	RPT5B; RBOHB	26S proteasome regulatory subunit T5; Respiratory burst oxidase-B
13484500	6.37	5.76	1.53	0.37525	0.593207	CKI1	casein kinase I
13484881	6.37	5.78	1.51	0.127766	0.457732	AT4G15080	DHHC-type zinc finger family protein
13519762	6.37	5.91	1.38	0.31992	0.570589	AT5G65540	hypothetical protein
13442921	6.37	5.94	1.35	0.116285	0.446833	AT3G63400	cyclophilin-like peptidyl-prolyl cis-trans isomerase family protein
13499132	6.37	5.99	1.31	0.03418	0.354359	scpl35	serine carboxypeptidase-like 35
13488199	6.37	6	1.29	0.479032	0.651574	AT4G22820	zinc finger A20 and AN1 domain-containing stress-associated protein 9
13339585	6.37	6.02	1.28	0.223805	0.524399	AT1G13190	RNA recognition motif-containing protein
13438747	6.37	6.03	1.27	0.466476	0.645004	PP2-A15	F-box protein PP2-A15
13537751	6.37	6.05	1.25	0.414387	0.614187	AT5G50230	transducin/WD40 domain-containing protein
13390983	6.37	6.1	1.2	0.314268	0.568148	UTR1	UDP-galactose transporter 1
13386389	6.37	6.14	1.18	0.313712	0.568024	EDA25	protein embryo sac development arrest 25

13474250	6.37	6.15	1.17	0.079882	0.414251	RMA3	E3 ubiquitin-protein ligase RMA3
13453068	6.37	6.16	1.16	0.225652	0.524988	AT3G24030; AT3G24020	hydroxyethylthiazole kinase; disease resistance-responsive, dirigent domain-containing protein
13342176	6.37	6.17	1.15	0.305304	0.565001	AT1G19230; AT1G19240	riboflavin synthase-like protein; hypothetical protein
13533207	6.37	6.19	1.13	0.422721	0.618789	PR5K	PR5-like receptor kinase
13466752	6.37	6.22	1.11	0.834385	0.895174	CPK4	calcium-dependent protein kinase 4
13406214	6.37	6.27	1.08	0.590233	0.727108	AT2G47410	WD40/YVTN repeat-like-containing domain
13505998	6.37	6.36	1.01	0.969298	0.982139	PYR6	Uridylate kinase
13432994	6.37	6.46	-1.06	0.709095	0.808717	QUA1	Galacturonosyltransferase 8
13526996	6.37	6.56	-1.14	0.689244	0.794381	KAN	KANADI / transcription factor
13508111	6.37	6.63	-1.19	0.293289	0.559559	TSBtype2	tryptophan synthase beta chain
13391166	6.37	6.72	-1.27	0.328855	0.574622	PAP9; AT2G03460	putative inactive purple acid phosphatase 9; galactose oxidase/kelch-like protein
13502908	6.37	6.99	-1.54	0.349306	0.581187	GDH1	glutamate dehydrogenase 1
13367705	6.37	7.07	-1.62	0.212639	0.517763	AT1G14120	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase-like protein
13393793	6.37	8.85	-5.61	0.011444	0.297771	AT2G17500	auxin efflux carrier-like protein
13515330	6.36	5.05	2.48	0.079604	0.414219	PPX2	serine/threonine-protein phosphatase PP-X isozyme 2
13494632	6.36	5.26	2.15	0.051196	0.382129	AT4G37100	catalytic/ pyridoxal phosphate binding protein
13536706	6.36	5.39	1.96	0.103622	0.436308	AT5G47830	hypothetical protein
13356546	6.36	5.46	1.87	0.062395	0.398248	AT1G68220	hypothetical protein
13404560	6.36	5.51	1.81	0.033132	0.354018	AT2G43540	hypothetical protein
13372396	6.36	5.54	1.77	0.220744	0.522047	AT1G25570	Di-glucose binding protein with Leucine-rich repeat domain
13400078	6.36	5.6	1.7	0.070477	0.406937	ATZW10; RALFL17	centromere/kinetochore protein ZW10; protein ralf-like 17
13533405	6.36	5.63	1.66	0.309919	0.566973	AT5G38880	hypothetical protein
13382124	6.36	5.67	1.62	0.033533	0.354018	AT1G61900	hypothetical protein
13516017	6.36	5.71	1.57	0.185422	0.499807	AT5G57035; AT5G57040	U-box domain-containing protein kinase family protein; Lactoylglutathione lyase / glyoxalase I family protein
13445891	6.36	5.74	1.54	0.271893	0.548926	AT3G07020	sterol 3beta-glucosyltransferase
13390736	6.36	5.78	1.49	0.182533	0.497424	ETL1	SNF2 and helicase domain-containing protein
13337461	6.36	5.79	1.48	0.30031	0.563239	ACHT4	thioredoxin-like 1-1
13362972	6.36	5.8	1.48	0.394288	0.602714	VPS2.3	vacuolar protein sorting-associated protein 2.3
13445788	6.36	5.8	1.48	0.10933	0.440715	AT3G06790; AT3G06780	putative protein DAG; glycine-rich protein
13398654	6.36	5.87	1.41	0.109133	0.440715	ENOC	cytosolic enolase
13432924	6.36	5.89	1.39	0.015504	0.314963	AT3G24860	hydroxyproline-rich glycoprotein family protein
13455473	6.36	5.88	1.39	0.047923	0.37767	AT3G32940	RNA-binding KH domain-containing protein
13525281	6.36	5.89	1.39	0.384608	0.597873	AT5G12430	Heat shock protein DnaJ with tetratricopeptide repeat

13472258	6.36	5.91	1.36	0.337992	0.577317	AT4G23050	PAS domain-containing protein tyrosine kinase family protein
13437382	6.36	5.92	1.35	0.135125	0.463827	ABIL2	protein ABIL2
13508130	6.36	5.95	1.33	0.313465	0.568008	AT5G38600	zinc finger CCHC domain-containing protein 8
13483016	6.36	5.96	1.32	0.633969	0.756449	AT4G10930	hypothetical protein
13470476	6.36	5.96	1.31	0.48531	0.655124	MRH1	putative LRR receptor-like serine/threonine-protein kinase MRH1
13446898	6.36	5.99	1.3	0.125959	0.455116	AT3G09410	putative pectinacetylesterase
13492976	6.36	5.98	1.3	0.399573	0.605406	FLDH; AT4G33355	Rossmann-fold NAD(P)-binding domain-containing protein; non-specific lipid-transfer protein 11
13335674	6.36	6	1.29	0.477654	0.650814	AT1G04210	leucine-rich repeat protein kinase-like protein
13471696	6.36	6.01	1.28	0.568174	0.711278	SPHK1; AT4G21534	sphingosine kinase 1; Diacylglycerol kinase family protein
13484573	6.36	6.01	1.28	0.338113	0.577332	AT4G14370	TIR-NBS-LRR class disease resistance protein
13369839	6.36	6.04	1.25	0.545343	0.696028	NRP2	template-activating factor I
13444762	6.36	6.03	1.25	0.424563	0.619937	AT3G05000	Transport protein particle (TRAPP) component
13544348	6.36	6.05	1.24	0.310729	0.566973	AT5G66530	aldose 1-epimerase family protein
13436884	6.36	6.06	1.23	0.275424	0.550666	AT3G48210	kinetochore protein Spc25
13448838	6.36	6.08	1.21	0.361415	0.5879	AT3G13235	DNA damage-inducible protein 1
13388372	6.36	6.11	1.19	0.662829	0.77624	AT1G77030	DEAD-box helicase domain-containing protein
13538799	6.36	6.12	1.18	0.758045	0.841576	AT5G52882	putative ATP binding protein
13530312	6.36	6.14	1.17	0.652325	0.769327	AT5G24320	transducin/WD40 domain-containing protein
13451954	6.36	6.15	1.16	0.567176	0.71093	AT3G20800	CCR4-NOT transcription complex subunit 9
13536738	6.36	6.16	1.15	0.428943	0.62258	AT5G47940	hypothetical protein
13538705	6.36	6.16	1.15	0.116937	0.446922	AT5G52545	hypothetical protein
13448452	6.36	6.18	1.14	0.686665	0.792696	AT3G12587	Oligosaccaryltransferase
13398480	6.36	6.22	1.1	0.441859	0.630553	AT2G29060	scarecrow-like protein 34
13440200	6.36	6.28	1.06	0.211319	0.516596	ALPHA-SNAP1	alpha-soluble NSF attachment protein 1
13463026	6.36	6.27	1.06	0.84333	0.901174	HB-12	homeobox-leucine zipper protein ATHB-12
13346383	6.36	6.32	1.03	0.772777	0.85181	MUR4	UDP-arabinose 4-epimerase
13440352	6.36	6.37	-1.01	0.945716	0.967446	AT3G56930	putative S-acyltransferase
13497354	6.36	6.49	-1.1	0.772012	0.851492	AT5G04280	RNA recognition motif-containing protein
13383294	6.36	6.51	-1.11	0.537069	0.690462	GTG1	GPCR-type G protein 1
13459352	6.36	6.61	-1.19	0.084034	0.417946	VPS37-1; LOS4	vacuolar protein-sorting-associated protein 37-1; DEAD-box ATP-dependent RNA helicase 38
13541760	6.36	6.66	-1.23	0.08126	0.41647	AT5G60710	C3H4 type zinc finger protein
13369898	6.36	6.67	-1.24	0.439431	0.629334	AT1G18980	germin-like protein subfamily T member 2
13443516	6.36	7.4	-2.05	0.144376	0.469521	SRG3	senescence-related protein
13437723	6.35	4.6	3.36	0.019856	0.322692	HR4	RPW8-like protein 4
13398257	6.35	5.29	2.09	0.107348	0.4394	AT2G28370	hypothetical protein
13364549	6.35	5.32	2.04	0.106672	0.43902	STN1	CST complex subunit STN1
13523845	6.35	5.36	1.99	0.050497	0.380832		
13346530	6.35	5.39	1.95	0.356599	0.584728	VSR6	vacuolar sorting receptor 6

13502160	6.35	5.41	1.92	0.04029	0.365591	CRS1	ortholog of maize chloroplast splicing factor CRS1
13424659	6.35	5.53	1.76	0.153715	0.476554	RALFL22	ralf-like 22 protein
13494034	6.35	5.55	1.75	0.205701	0.512592	AT4G35910	cytoplasmic tRNA 2-thiolation protein 2
13425392	6.35	5.57	1.72	0.10936	0.440715	AT3G07220	SMAD/FHA domain-containing protein
13525006	6.35	5.59	1.7	0.224639	0.524988	AT5G11910	putative esterase-like protein
13448458	6.35	5.61	1.67	0.161782	0.483588	AT3G12590	hypothetical protein
13465762	6.35	5.65	1.62	0.016227	0.315398	MSRB3	peptide methionine sulfoxide reductase B3
13408793	6.35	5.69	1.59	0.242116	0.5339	ALDH6B2	Methylmalonate-semialdehyde dehydrogenase [acylating]
13355483	6.35	5.7	1.57	0.049563	0.378802	NAP11; NPQ7	protein triGALACTOSYLDIACYLGLYCEROL 3; Ycf20-like protein
13363371	6.35	5.77	1.49	0.183258	0.498108	TUA4; TUA2	tubulin alpha-2/alpha-4 chain
13363438	6.35	5.79	1.48	0.130708	0.460628	AT1G04910	O-fucosyltransferase-like protein
13539288	6.35	5.81	1.46	0.235987	0.530405	AT5G54200	transducin/WD40 domain-containing protein
13444943	6.35	5.82	1.45	0.011109	0.297771	PNC1	peroxisomal adenine nucleotide carrier 1
13483488	6.35	5.84	1.42	0.32231	0.571578	SEC1B	protein transport sec1b
13522357	6.35	5.86	1.41	0.181537	0.496829	ATNFXL2	transcription factor-like protein
13531997	6.35	5.85	1.41	0.263376	0.544376	AT5G32470	heme oxygenase-like, multi-helical protein
13445958	6.35	5.9	1.36	0.06586	0.402786	PAP15	purple acid phosphatase 15
13371801	6.35	5.92	1.35	0.024931	0.33454	AT1G23780	F-box protein SKIP22
13374404	6.35	5.91	1.35	0.423186	0.619034	AK-HSDH I; AT1G31220	bifunctional aspartokinase/homoserine dehydrogenase 1; phosphoribosylglycinamide formyltransferase
13496356	6.35	5.95	1.32	0.133267	0.462782	AT5G01980	RING/U-box domain-containing protein
13449131	6.35	5.97	1.3	0.32472	0.573118	HSP60-3A	chaperonin CPN60-like 2
13360376	6.35	6.02	1.26	0.071483	0.408234	ARF17	auxin response factor 17
13485058	6.35	6.03	1.24	0.063013	0.398838	AT4G15640	hypothetical protein
13389461	6.35	6.09	1.19	0.56367	0.708411	EMB1135	RING/FYVE/PHD zinc finger domain-containing protein
13347673	6.35	6.13	1.17	0.519494	0.678602	STT3B	dolichyl-diphosphooligosaccharide--protein glycosyltransferase
13482236	6.35	6.14	1.16	0.398758	0.605002	AT4G08460	hypothetical protein
13349545	6.35	6.14	1.15	0.295108	0.56088	AT1G48350	50S ribosomal protein L18
13507795	6.35	6.16	1.14	0.744322	0.832061	AT5G37540	aspartyl protease family protein
13486087	6.35	6.19	1.12	0.621612	0.747876	ERF6	ethylene-responsive transcription factor 6
13514787	6.35	6.22	1.1	0.468438	0.645758	MAMI	membrane-associated mannitol-induced protein
13497380	6.35	6.23	1.09	0.787958	0.862556	AT5G04320	HAP1 N-terminal conserved region and shugoshin C terminus domain-containing protein
13440275	6.35	6.24	1.08	0.778872	0.856085	AT3G56720	hypothetical protein
13385197	6.35	6.27	1.06	0.015961	0.315398	AT1G69070; AT1G69060	hypothetical protein; chaperone DnaJ-domain containing protein
13421794	6.35	6.33	1.01	0.960652	0.976712	AT2G45860	hypothetical protein
13510907	6.35	6.38	-1.02	0.90268	0.940383	AT5G45480	hypothetical protein
13394992	6.35	6.41	-1.04	0.83776	0.897617	MUR3	xyloglucan galactosyltransferase KATAMARI1

13419822	6.35	6.44	-1.06	0.783494	0.859238	AT2G41475	Embryo-specific protein 3, (ATS3)
13522407	6.35	6.45	-1.07	0.733656	0.825724	ASA1	anthranilate synthase component I-1
13489530	6.35	6.49	-1.11	0.518562	0.677704	DTX35	detoxifying efflux carrier 35
13469059	6.35	6.69	-1.27	0.169288	0.487806	AT4G15450	Senescence/dehydration-associated protein-like protein
13499850	6.35	6.78	-1.35	0.312655	0.567721	AT5G10160	3R-hydroxymyristoyl ACP dehydrase
13382021	6.35	7.23	-1.85	0.032126	0.352818	AT1G61590	protein kinase-like protein
13404799	6.34	3.9	5.44	0.015332	0.313468	AT2G44220	hypothetical protein
13343837	6.34	4.12	4.63	0.000079	0.14124	AT1G23460	polygalacturonase
13463528	6.34	4.7	3.12	0.010188	0.296261	IPT3	adenylate isopentenyltransferase 3
13512104	6.34	5.23	2.15	0.078658	0.414078	AT5G48290	heavy metal transport/detoxification domain-containing protein
13338269	6.34	5.26	2.11	0.006072	0.280665	AT1G10150	protein PHLOEM protein 2-LIKE A10
13349879	6.34	5.29	2.07	0.10578	0.437428	AT1G49230	RING-H2 finger protein ATL78
13343405	6.34	5.32	2.03	0.027007	0.340635	AT1G22500; AT1G22510	E3 ubiquitin-protein ligase ATL15; C3HC4-type RING finger protein
13367202	6.34	5.4	1.92	0.074117	0.410257	AFB3; AT1G12810	auxin signaling F-box 3 protein; proline-rich family protein
13461390	6.34	5.4	1.92	0.136777	0.465316	AT3G57970	Emsy N Terminus and plant Tudor-like domain-containing protein
13540293	6.34	5.41	1.91	0.06035	0.395999	AT5G57100	Nucleotide/sugar transporter family protein
13463059	6.34	5.53	1.75	0.043149	0.37115	AT3G61980	serine protease inhibitor, Kazal-type family protein
13475760	6.34	5.54	1.74	0.084001	0.417946	AT4G30990; RAN2	down-regulated in metastasis (DRIM) domain-containing protein; GTP-binding nuclear protein Ran-2
13530613	6.34	5.56	1.71	0.234857	0.529692	AT5G24810	ABC1 family protein
13530796	6.34	5.57	1.7	0.06378	0.400134	AT5G25270	ubiquitin-like domain-containing protein
13386321	6.34	5.63	1.64	0.08301	0.417856	PUM23	pumilio 23
13334558	6.34	5.63	1.63	0.00382	0.257741	AT1G01920	SET domain-containing protein
13405849	6.34	5.66	1.6	0.077263	0.412497	AT2G46490	hypothetical protein
13480451	6.34	5.67	1.59	0.283654	0.555903	AT4G01210	glycosyl transferase family 1 protein
13505974	6.34	5.69	1.58	0.162058	0.483922	ATGWD3	phosphoglucan, water dikinase
13438140	6.34	5.69	1.57	0.095688	0.431773	AT3G51540	hypothetical protein
13370670	6.34	5.73	1.53	0.006164	0.280665	AT1G20910	ARID/BRIGHT DNA-binding domain-containing protein
13502893	6.34	5.78	1.46	0.059327	0.39493	AT5G18130	hypothetical protein
13489613	6.34	5.82	1.44	0.106048	0.437839	AT4G25740	40S ribosomal protein S10-1
13383630	6.34	5.82	1.43	0.182475	0.497424	UCH2	ubiquitin carboxyl-terminal hydrolase L5
13477081	6.34	5.83	1.43	0.246647	0.535608	AT4G33540	metallo-beta-lactamase family protein
13426026	6.34	5.86	1.4	0.355166	0.584506	ORP3B; AT3G09310	OSBP(oxysterol binding protein)-related protein 3B; hypothetical protein
13347681	6.34	5.88	1.38	0.137673	0.46568	AT1G34150	pseudouridine synthase-like protein
13461181	6.34	5.88	1.38	0.224447	0.524988	AT3G57420	hypothetical protein
13337601	6.34	5.9	1.36	0.230761	0.527788	AT1G08750	peptidase C13-like protein
13497074	6.34	5.93	1.33	0.213184	0.518061	AT5G03610	GDSL esterase/lipase
13439256	6.34	5.95	1.32	0.25398	0.539558	SUA	RNA-binding protein 5/10
13385788	6.34	6	1.27	0.537001	0.690436	AT1G70600	60S ribosomal protein L27a-3
13410479	6.34	6.01	1.26	0.581916	0.721369	PRF1	profilin 1
13383067	6.34	6.01	1.25	0.057739	0.39275	NPR1	Regulatory protein NPR1

13345030	6.34	6.04	1.23	0.361302	0.5879	AT1G27180	TIR-NBS-LRR class disease resistance protein
13474620	6.34	6.05	1.22	0.284677	0.55631	AT4G28370; AT4G28380	RING/U-box domain-containing protein; leucine-rich repeat-containing protein
13488319	6.34	6.08	1.2	0.035932	0.357356	AT4G23040	UBX domain-containing protein
13513216	6.34	6.1	1.18	0.618633	0.745777	AT5G50780	Histidine kinase-, DNA gyrase B-, and HSP90-like ATPase family protein
13363345	6.34	6.12	1.16	0.453107	0.637015	VAMP721	vesicle-associated membrane protein 721
13377150	6.34	6.16	1.13	0.471824	0.647541	AT1G48690	Auxin-responsive GH3 family protein
13522660	6.34	6.42	-1.06	0.856388	0.910205	AT5G06410	molecular chaperone HscB
13404360	6.34	6.5	-1.12	0.427363	0.621602	IPMI2	isopropylmalate isomerase 2
13544945	6.34	6.91	-1.48	0.291488	0.559213	rps16	ribosomal protein S16
13445233	6.34	7.24	-1.86	0.020246	0.322692	AT3G05920	heavy-metal-associated domain-containing protein
13392288	6.34	7.71	-2.6	0.514031	0.674837	AT2G07702; nad1; ArthMp037	hypothetical protein; NADH dehydrogenase subunit 1
13545147	6.34	7.71	-2.6	0.514031	0.674837	AT2G07702; nad1; ArthMp037	hypothetical protein; NADH dehydrogenase subunit 1
13545370	6.34	7.71	-2.6	0.514031	0.674837	AT2G07702; nad1; ArthMp037	hypothetical protein; NADH dehydrogenase subunit 1
13491180	6.34	8.26	-3.79	0.029651	0.348918	AT4G29700	alkaline-phosphatase-like protein
13510152	6.33	4.69	3.12	0.094555	0.431058	ATAUX2-11	auxin-responsive protein IAA4
13525294	6.33	5.07	2.4	0.019298	0.321499	AT5G12440	zinc finger CCCH domain-containing protein 55
13491005	6.33	5.18	2.22	0.163234	0.484932	AT4G29190	zinc finger CCCH domain-containing protein 49
13418708	6.33	5.23	2.14	0.134244	0.463251	EMB2765	intron-binding protein aquarius
13351666	6.33	5.36	1.96	0.242188	0.53397	AT1G53440	putative LRR receptor-like serine/threonine-protein kinase
13541678	6.33	5.38	1.93	0.16513	0.485944	ARF4	auxin response factor 4
13368785	6.33	5.39	1.92	0.137485	0.46568	RDH2	rhodanese homologue 2
13335316	6.33	5.48	1.8	0.179943	0.495546	AT1G03370	C2 calcium/lipid-binding and GRAM domain containing protein
13497644	6.33	5.65	1.6	0.167557	0.48688	RTM2	HSP20-like chaperone
13412708	6.33	5.66	1.59	0.283494	0.555903	AT2G25260	hypothetical protein
13518894	6.33	5.67	1.58	0.10677	0.439045	MUM2	beta-galactosidase 6
13380738	6.33	5.69	1.56	0.158572	0.481306	AT1G58060	helicase associated domain-containing protein
13398957	6.33	5.71	1.54	0.229822	0.52734	AT2G30530	hypothetical protein
13404150	6.33	5.7	1.54	0.10803	0.439862	MAX2	F-box protein ORE9
13393159	6.33	5.72	1.52	0.375397	0.593207	NRPB3	DNA-directed RNA polymerase II subunit RPB3-A
13374682	6.33	5.75	1.49	0.277507	0.552135	AT1G31835	hypothetical protein
13421403	6.33	5.8	1.44	0.088702	0.42521	HUB1	E3 ubiquitin-protein ligase BRE1-like 1
13361134	6.33	5.83	1.42	0.256191	0.540541	FTSH12	cell division protease ftsH-12
13373233	6.33	5.83	1.41	0.401794	0.606906	AT1G28260	Telomerase activating protein Est1
13544487	6.33	5.86	1.39	0.383149	0.597469	AT5G66860	Ribosomal protein L25/Gln-tRNA synthetase, anti-codon-binding domain protein
13446129	6.33	5.87	1.38	0.293443	0.559575	CHIP	E3 ubiquitin-protein ligase CHIP

13341766	6.33	5.88	1.36	0.343166	0.579024	AT1G18480	calcineurin-like phosphoesterase family protein
13443556	6.33	5.91	1.34	0.47075	0.647239	AT3G02190	60S ribosomal protein L39-2
13395157	6.33	5.92	1.33	0.209503	0.514853	AT2G20740	Tetraspanin family protein
13469698	6.33	5.92	1.33	0.286042	0.556821	HB-2	homeobox-leucine zipper protein HAT4
13414088	6.33	5.94	1.31	0.589222	0.726702	AT2G28360	SIT4 phosphatase-associated-like protein
13423758	6.33	5.94	1.31	0.46706	0.645076	AT3G03420	ku70-binding-like protein
13359039	6.33	5.95	1.3	0.010537	0.296715	AT1G74160	hypothetical protein
13527458	6.33	5.95	1.3	0.515097	0.675554	AT5G17510	hypothetical protein
13421032	6.33	5.98	1.27	0.258147	0.541251	AT2G43945	hypothetical protein
13405400	6.33	6	1.26	0.088628	0.425112	AT2G45530	RING/U-box domain-containing protein
13505199	6.33	6.01	1.25	0.494554	0.661325	AT5G24165	hypothetical protein
13536687	6.33	6.03	1.24	0.502939	0.667139	PGLP2	4-nitrophenyl phosphatase
13358994	6.33	6.03	1.23	0.207576	0.513566	AT1G74088	hypothetical protein
13501080	6.33	6.05	1.22	0.23408	0.529452	DCP2	mRNA-decapping enzyme subunit 2
13464208	6.33	6.05	1.21	0.439406	0.62933	AT4G00990	Transcription factor jumonji (jmjC) domain-containing protein
13456864	6.33	6.1	1.17	0.533861	0.688289	TOC75-III	protein TOC75-3
13386085	6.33	6.17	1.12	0.641926	0.761334	PFI	tubulin folding cofactor E / Pfifferling (PFI)
13487888	6.33	6.16	1.12	0.762302	0.844184	EBS	PHD finger and bromo-adjacent homology domain-containing protein
13443952	6.33	6.18	1.11	0.754303	0.839228	EXPA13	expansin A13
13444296	6.33	6.41	-1.06	0.811272	0.879122	AT3G03890	FMN binding protein
13382472	6.33	6.45	-1.09	0.25785	0.541251	AT1G62850; AT1G62840	Class I peptide chain release factor; hypothetical protein
13447335	6.33	6.47	-1.1	0.510588	0.672401	PUM4; AT3G10350	protein pumilio 4; anion-transporting ATPase family protein
13486378	6.33	6.53	-1.14	0.67622	0.785452	AT4G18030	putative methyltransferase PMT14
13388742	6.33	6.53	-1.15	0.425861	0.620755	AT1G77750	small ribosomal subunit protein S13
13528428	6.33	6.58	-1.19	0.275497	0.550666	AT5G19855	Chaperonin-like RbcX protein
13490713	6.33	6.59	-1.2	0.122796	0.45286	AT4G28100	hypothetical protein
13454351	6.33	6.61	-1.21	0.602727	0.734002	AT3G27240	ubiquinol-cytochrome c reductase cytochrome c1 subunit
13358721	6.33	6.67	-1.26	0.298665	0.562461	AT1G73480	alpha/beta-hydrolase domain-containing protein
13397508	6.33	6.75	-1.34	0.444943	0.632506	SPX2	SPX domain-containing protein 2
13356690	6.33	6.87	-1.45	0.302304	0.563905	AT1G68670	myb-like transcription factor-like protein
13346454	6.33	6.87	-1.46	0.13605	0.465036	AT1G30700	FAD-binding and BBE domain-containing protein
13513558	6.33	6.93	-1.52	0.541953	0.693664	RGF5	hypothetical protein
13516280	6.33	7.01	-1.6	0.006615	0.284323	COL5	zinc finger protein CONSTANS-LIKE 5
13345665	6.33	7.84	-2.84	0.426966	0.62132		
13424262	6.32	5.18	2.2	0.012142	0.301412	SWP	RNA polymerase II transcription mediator
13525462	6.32	5.3	2.02	0.054758	0.386003	5-FCL	5-formyltetrahydrofolate cycloligase
13538661	6.32	5.31	2.02	0.1651	0.485944	AT5G52390	PAR1 protein
13455302	6.32	5.31	2.01	0.077502	0.412519	AT3G30300	O-fucosyltransferase family protein
13435012	6.32	5.33	1.99	0.026493	0.338732	AT3G42950	Pectin lyase-like protein
13526131	6.32	5.33	1.99	0.008708	0.293015	AT5G14530	transducin/WD40 domain-containing protein
13509987	6.32	5.33	1.98	0.055157	0.387216	AT5G43330	malate dehydrogenase

13388293	6.32	5.35	1.96	0.095155	0.431535	AT1G76860	U6 snRNA-associated Sm-like protein LSm3
13537077	6.32	5.37	1.93	0.105655	0.437428	AT5G48655	RING/U-box domain-containing protein
13486435	6.32	5.38	1.92	0.264554	0.545462	AT4G18230	beta-1,4-N-acetylglucosaminyltransferase
13349237	6.32	5.38	1.91	0.111563	0.443023	SEC3A	exocyst complex component sec3A
13527073	6.32	5.42	1.87	0.174105	0.491259	TOZ	transducin/WD40 domain-containing protein
13430015	6.32	5.45	1.84	0.215082	0.519459	CYP77A5P	cytochrome P450, family 77, subfamily A, polypeptide 5 pseudogene
13351370	6.32	5.45	1.82	0.012307	0.301412	AT1G52780	hypothetical protein
13409553	6.32	5.46	1.82	0.082291	0.417507	AT2G17150	RWP-RK domain-containing protein
13444274	6.32	5.46	1.82	0.295095	0.56088	EDA30	O-fucosyltransferase-like protein
13404872	6.32	5.52	1.75	0.011111	0.297771	AT2G44420	protein N-terminal asparagine amidohydrolase family protein
13528354	6.32	5.55	1.7	0.167085	0.486855	S1P	SITE-1 protease
13340941	6.32	5.65	1.6	0.155858	0.478792	AT1G16680	puttaive S-locus protein 5
13498399	6.32	5.66	1.58	0.145221	0.470007	UBA 2	ubiquitin-activating enzyme E1 2
13463437	6.32	5.71	1.53	0.001608	0.250556	AT3G62860	esterase/lipase/thioesterase family protein
13398037	6.32	5.72	1.52	0.225673	0.524988	AT2G28070	ABC-2 type transporter-like protein
13503056	6.32	5.77	1.47	0.286639	0.557153	AT5G18630	alpha/beta-hydrolase domain-containing protein
13430482	6.32	5.87	1.37	0.384031	0.597829	AT3G19240	Vacuolar import/degradation, Vid27-related protein
13526529	6.32	5.88	1.36	0.367478	0.590689	CLPB3; EDL1	casein lytic proteinase B3; EID1-like F-box protein 1
13516209	6.32	5.89	1.35	0.066212	0.403288	AT5G57370	U4/U6.U5 tri-snRNP-associated protein 3
13542890	6.32	5.91	1.32	0.173108	0.490394	AT5G63380	4-coumarate--CoA ligase-like 9
13360208	6.32	5.93	1.31	0.141478	0.467931	PBC2	proteasome subunit beta type-3-B
13385972	6.32	5.95	1.3	0.04335	0.3719	SAG18; AT1G71180	senescence associated prorein 18; 6-phosphogluconate dehydrogenase-like protein
13349311	6.32	5.95	1.3	0.522125	0.680463	BGLU34	myrosinase 4
13427420	6.32	6.01	1.24	0.358284	0.58576	HAC5	histone acetyltransferase HAC5
13504027	6.32	6.01	1.24	0.121718	0.45259	TBL5	protein trichome birefringence-like 5
13459251	6.32	6.05	1.2	0.475305	0.649523	AT3G52870	IQ calmodulin-binding motif family protein
13413735	6.32	6.1	1.16	0.132614	0.462428	AT2G27330	RNA recognition motif-containing protein
13414766	6.32	6.15	1.12	0.550972	0.700335	AT2G30200	[acyl-carrier-protein] S-malonyltransferase
13370498	6.32	6.17	1.1	0.576698	0.717121	AAE1	acyl activating enzyme 1
13520861	6.32	6.26	1.05	0.514731	0.675406	AT5G01430; AT3G49420	Got1/Sft2-like vescicle transport protein; Got1/Sft2-like vescicle transport-like protein
13377906	6.32	6.3	1.01	0.923853	0.954099	UBC20; THFS	ubiquitin-conjugating enzyme E2 20; Formate--tetrahydrofolate ligase
13521133	6.32	6.31	1.01	0.980006	0.988165	AT5G02050	Mitochondrial glycoprotein family protein
13381311	6.32	6.4	-1.06	0.888099	0.931539	PG1	polygalacturonase 1
13536869	6.32	6.44	-1.09	0.69302	0.797507	ACAT2	acetyl-CoA acetyltransferase, cytosolic 1
13392579	6.32	6.52	-1.15	0.508824	0.671483	AT2G11890	adenylate cyclase
13531603	6.32	6.79	-1.39	0.361926	0.587911	AT5G27860	hypothetical protein
13386799	6.31	2.51	13.95	0.005593	0.278891	scpl2	serine carboxypeptidase-like 2
13389642	6.31	4.97	2.52	0.004175	0.262292	AT1G79620	leucine-rich repeat protein kinase-like protein

13535731	6.31	5.03	2.44	0.154209	0.47717	RPS4	TIR-NBS-LRR class disease resistance protein
13456067	6.31	5.2	2.16	0.148296	0.471967	CYP71	peptidylprolyl isomerase domain and WD repeat-containing protein 1
13419672	6.31	5.27	2.07	0.009833	0.296261	BZIP17	basic helix-loop-helix domain-containing protein
13428593	6.31	5.28	2.04	0.049463	0.378802	UBC25	putative ubiquitin-conjugating enzyme E2 25
13494931	6.31	5.46	1.81	0.390792	0.600347	EDA40	Zinc finger (C3HC4-type RING finger) family protein
13368991	6.31	5.53	1.72	0.157438	0.479979	KU70	ATP-dependent DNA helicase 2 subunit KU70
13530925	6.31	5.55	1.69	0.059172	0.394887	YUC6	flavin-containing monooxygenase-like protein
13488954	6.31	5.59	1.65	0.263036	0.543971	UBP16	ubiquitin carboxyl-terminal hydrolase 16
13379924	6.31	5.64	1.59	0.219518	0.521561	BRL1	serine/threonine-protein kinase BRI1-like 1
13340017	6.31	5.65	1.58	0.148954	0.471967	AT1G14340	RNA recognition motif-containing protein
13367664	6.31	5.68	1.55	0.115175	0.446247	AT1G13940	hypothetical protein
13488003	6.31	5.67	1.55	0.141647	0.467992	CDS2	cytidinediphosphate diacylglycerol synthase 2
13524564	6.31	5.68	1.55	0.290289	0.558413	AT5G10840	endomembrane family protein 70
13401308	6.31	5.69	1.54	0.167225	0.486855	AT2G35920	helicase associated domain-containing protein
13439247	6.31	5.69	1.53	0.399077	0.605136	AT3G54200	late embryogenesis abundant hydroxyproline-rich glycoprotein
13492105	6.31	5.69	1.53	0.239562	0.532664	WIN2	putative protein phosphatase 2C 59
13537565	6.31	5.69	1.53	0.101178	0.434782	EMB1879	hypothetical protein
13388892	6.31	5.71	1.52	0.225302	0.524988	TSD2	putative pectin methyltransferase QUA2
13516921	6.31	5.71	1.51	0.177089	0.4933	RABA2D	RAB GTPase homolog A2D
13393415	6.31	5.73	1.5	0.265834	0.54625	AT2G16710	Iron-sulfur assembly protein IscA-like 1
13368690	6.31	5.74	1.49	0.332279	0.576298	SYP51	syntaxin-51
13346316	6.31	5.75	1.47	0.224098	0.524779	AT1G30470	SIT4 phosphatase-associated-like protein
13358704	6.31	5.77	1.46	0.240945	0.533477	AT1G73470	hypothetical protein
13382008	6.31	5.77	1.46	0.236746	0.530949	TIM13	mitochondrial import inner membrane translocase subunit Tim13
13384606	6.31	5.87	1.36	0.055197	0.387216	AT1G67580	protein kinase-like protein
13492262	6.31	5.9	1.33	0.524744	0.682378	AT4G32070	octicosapeptide/Phox/Bem1p and tetratricopeptide repeat domain-containing protein
13478268	6.31	5.91	1.32	0.076628	0.411241	ARO3	armadillo repeat-containing protein
13344214	6.31	5.91	1.31	0.166053	0.486235	ALB4	ALBINO3-like protein 1
13442391	6.31	6	1.25	0.448797	0.635118	AT3G61690	nucleotidyltransferase
13444098	6.31	6.01	1.24	0.426065	0.620795	CYP89A9	cytochrome P450, family 87, subfamily A, polypeptide 9
13369782	6.31	6.01	1.23	0.119519	0.45045	PSP; GR-RBP6	phosphoserine phosphatase; glycine-rich RNA-binding protein 6
13528820	6.31	6.03	1.22	0.071869	0.408234	COPT5	copper transporter 5
13385818	6.31	6.07	1.19	0.581525	0.72121	AT1G70740	protein kinase domain-containing protein
13430764	6.31	6.08	1.18	0.240821	0.53343	AT3G19950	E3 ubiquitin-protein ligase RING1-like protein
13340088	6.31	6.09	1.17	0.44591	0.633502	AT1G14570	UBX domain-containing protein

13529052	6.31	6.12	1.14	0.567449	0.710979	AT5G21060	glyceraldehyde-3-phosphate dehydrogenase-like protein
13479069	6.31	6.13	1.13	0.589994	0.726928	GAUT3	galacturonosyltransferase 3
13418844	6.31	6.21	1.07	0.801074	0.871869	AT2G39170	hypothetical protein
13356573	6.31	6.29	1.02	0.923115	0.953643	AT1G68310	hypothetical protein
13513888	6.31	6.28	1.02	0.842126	0.900539	GB1	GTP-binding protein 1
13352851	6.31	6.33	-1.01	0.902639	0.940375	AT1G56290	CwfJ-like protein
13429756	6.31	6.38	-1.05	0.682771	0.789883	RLK902	putative inactive receptor kinase RLK902
13401290	6.31	6.43	-1.09	0.567114	0.710926	AT2G35840; AT2G35850	putative sucrose-phosphatase 2; hypothetical protein
13388090	6.31	6.45	-1.1	0.7267	0.820869	AT1G76380	DNA-binding bromodomain-containing protein
13536579	6.31	6.47	-1.12	0.44336	0.631418	AT5G47540	putative MO25-like protein
13516878	6.31	6.7	-1.31	0.114452	0.445522	AT5G58920	hypothetical protein
13545311	6.31	6.82	-1.43	0.417344	0.615909	ArthMp063	hypothetical protein
13426577	6.31	6.93	-1.54	0.021032	0.324489	AT3G10610	40S ribosomal protein S17-3
13459385	6.31	6.95	-1.56	0.023753	0.331326	PAL2	phenylalanine ammonia-lyase 2
13445520	6.31	7.44	-2.19	0.065106	0.401596	ATG8H	autophagy-related protein 8h
13483613	6.3	4.67	3.09	0.053493	0.383972	AZI1	azelaic acid induced 1
13517610	6.3	4.95	2.54	0.086811	0.422399	REV; AT5G60700	homeobox-leucine zipper protein REVOLUTA; glycosyltransferase family protein 2
13427655	6.3	5	2.46	0.171996	0.489658	AT3G13440	S-adenosyl-L-methionine-dependent methyltransferase-like protein
13352731	6.3	5.09	2.33	0.004191	0.262292	ZIP11	zinc transporter 11
13411471	6.3	5.2	2.15	0.067182	0.405545	AT2G21840	Cysteine/Histidine-rich C1 domain family protein
13463086	6.3	5.33	1.96	0.004246	0.262292	GLP10	germin-like protein subfamily 2 member 4
13347210	6.3	5.38	1.9	0.201176	0.510163	AT1G32810	RING/FYVE/PHD zinc finger protein
13462645	6.3	5.4	1.87	0.205103	0.51205	AT3G61010	Ferritin/ribonucleotide reductase-like family protein
13376546	6.3	5.41	1.85	0.136463	0.465235	RAP2.1	ethylene-responsive transcription factor RAP2-1
13544178	6.3	5.57	1.66	0.028745	0.347331	ARO2	armadillo repeat only 2 protein
13399248	6.3	5.62	1.6	0.331792	0.576146	ADF6	actin depolymerizing factor 6
13365756	6.3	5.64	1.59	0.213095	0.518061	AT1G09730	putative ubiquitin-like-specific protease 2B
13406398	6.3	5.66	1.56	0.181968	0.497008	AT2G47690	NADH dehydrogenase (ubiquinone) Fe-S protein 5
13445084	6.3	5.67	1.55	0.110327	0.441415	EMB2016	embryo defective 2016 protein
13368965	6.3	5.68	1.53	0.16691	0.486855	AT1G16900	alpha-1,2-mannosyltransferase
13543007	6.3	5.68	1.53	0.148219	0.471967	AT5G63620	GroES-like zinc-binding alcohol dehydrogenase family protein
13534723	6.3	5.69	1.52	0.17436	0.491426	THO5	THO complex, subunit 5
13349646	6.3	5.78	1.44	0.071787	0.408234	AT1G48540	Outer arm dynein light chain 1 protein
13431352	6.3	5.77	1.44	0.327941	0.574416	ZML1	GATA transcription factor 24
13367520	6.3	5.81	1.4	0.180964	0.496382	AT1G13530	hypothetical protein
13497463	6.3	5.82	1.39	0.319984	0.570589	AT5G04440	hypothetical protein
13459150	6.3	5.84	1.37	0.274889	0.550583	AT3G52640	nicastrin
13399663	6.3	5.85	1.36	0.28669	0.557153	AT2G32170	N2227-like domain-containing protein
13373489	6.3	5.92	1.3	0.419836	0.61724	NUDX15	nudix hydrolase 15

13437309	6.3	5.94	1.29	0.400299	0.60596	AT3G49100	signal recognition particle subunit SRP9
13451553	6.3	5.97	1.26	0.498462	0.664035	AT3G19895	RING/U-box-containing protein-like protein
13340748	6.3	5.98	1.25	0.232292	0.528375	AT1G16270	octicosapeptide/Phox/Be.1 domain-containing protein kinase
13395240	6.3	5.98	1.25	0.208006	0.513672	pEARLI4	phospholipase-like protein (PEARLI 4) domain-containing protein
13408817	6.3	5.97	1.25	0.437625	0.628196	PIP	proline iminopeptidase
13384468	6.3	5.99	1.24	0.294609	0.56064	AT1G67325	Ran BP2/NZF zinc finger domain-containing protein
13505332	6.3	5.98	1.24	0.603385	0.734646	AT5G24450	Transcription factor IIIC, subunit 5
13483468	6.3	6.05	1.19	0.206663	0.513335	AT4G12060	Double Clp-N motif protein
13467230	6.3	6.15	1.11	0.770504	0.85042	AT4G10890	hypothetical protein
13497339	6.3	6.17	1.1	0.575493	0.716652	AT5G04250	OTU-like cysteine protease family protein
13449625	6.3	6.19	1.08	0.748917	0.835335	AT3G15040	hypothetical protein
13461790	6.3	6.22	1.06	0.870615	0.919611	AT3G58840	Tropomyosin-related protein
13457642	6.3	6.28	1.01	0.833937	0.894794	BBC1	60S ribosomal protein L13-1
13387167	6.3	6.33	-1.02	0.945847	0.967522	SOT16	sulfotransferase 16
13509327	6.3	6.35	-1.04	0.917727	0.950172	AT5G41810	hypothetical protein
13480767	6.3	6.41	-1.08	0.242656	0.534256	NFU1; AT4G01935	NifU-like protein 1; hypothetical protein
13507989	6.3	6.46	-1.11	0.225205	0.524988	AT5G38210	protein kinase-like protein
13539011	6.3	6.47	-1.12	0.486251	0.655838	AT5G53340; AT5G53330	putative beta-1,3-galactosyltransferase 11; Ubiquitin-associated/translation elongation factor EF1B protein
13349219	6.3	6.59	-1.23	0.177085	0.4933	RBP47C'	RNA-binding protein 47C'
13464590	6.3	6.72	-1.34	0.227638	0.525679	GLB1	GLNB1-like protein
13503839	6.3	6.87	-1.48	0.082312	0.417518	NUDX19	nudix hydrolase 19
13463143	6.29	4.1	4.58	0.022341	0.326812	PGP21	ABC transporter B family member 21
13512203	6.29	5.2	2.12	0.092202	0.429638	AT5G48500	hypothetical protein
13457791	6.29	5.25	2.05	0.149254	0.472024	AT3G49350	RabGAP/TBC domain-containing protein
13406648	6.29	5.34	1.92	0.09084	0.427902	AT2G01130	DEA(D/H)-box RNA helicase family protein
13463455	6.29	5.44	1.81	0.055218	0.387216	ATOEP16-4	translocase Oep16
13486998	6.29	5.45	1.8	0.100799	0.434702	AT4G19670	RING/U-box domain-containing protein
13500722	6.29	5.45	1.79	0.147397	0.471394	AT5G12350	Regulator of chromosome condensation-like protein with FYVE zinc finger domain-containing protein
13508208	6.29	5.5	1.73	0.008651	0.293015	AT5G38850	TIR-NBS-LRR class disease resistance protein
13539912	6.29	5.53	1.7	0.017096	0.319147	emb2731; OPT1	hypothetical protein; oligopeptide transporter 1
13446167	6.29	5.56	1.66	0.316213	0.568464	AT3G07470	hypothetical protein
13473213	6.29	5.58	1.64	0.156824	0.479551	AT4G25070	hypothetical protein
13375081	6.29	5.59	1.63	0.291814	0.559371	NAC014	protein NAC 014
13450310	6.29	5.6	1.61	0.199743	0.509072	PUM24	protein pumilio 24
13358311	6.29	5.63	1.57	0.182857	0.497705	AT1G72390	hypothetical protein
13386023	6.29	5.66	1.55	0.155961	0.478792	AT1G71340	glycerophosphodiester phosphodiesterase domain-containing protein
13462179	6.29	5.66	1.55	0.10314	0.435908	AT3G59820	LETM1-like protein
13477886	6.29	5.67	1.54	0.146857	0.470962	AT4G35335	Nucleotide-sugar transporter family protein

13372078	6.29	5.72	1.48	0.082125	0.417191	AT1G24320; AT1G24310	mannosyl-oligosaccharide glucosidase; hypothetical protein
13525351	6.29	5.72	1.48	0.215045	0.519459	MYB46	transcription factor MYB46
13447879	6.29	5.75	1.45	0.002985	0.253459	AT3G11530	vacuolar protein sorting 55 domain-containing protein
13527634	6.29	5.79	1.41	0.327722	0.574416	AT5G17930	MIF4G domain and MA3 domain-containing protein
13476936	6.29	5.8	1.4	0.324748	0.573118	AT4G33060	peptidyl-prolyl cis-trans isomerase SDCCAG10
13522398	6.29	5.8	1.4	0.275903	0.551016	ATE1	arginine-tRNA protein transferase 1
13529307	6.29	5.81	1.4	0.285474	0.556418	NAC089	NAC domain containing protein 89
13533512	6.29	5.87	1.34	0.118343	0.448383	EDL2	EID1-like F-box protein 2
13535765	6.29	5.89	1.32	0.153003	0.475771	DCP5-L	decapping 5-like protein
13438374	6.29	5.91	1.3	0.34921	0.581167	AT3G52120	Splicing factor 4-like protein
13419907	6.29	5.95	1.27	0.134695	0.463251	NTRC; AT2G41670	NADPH-dependent thioredoxin reductase 3; P-loop containing nucleoside triphosphate hydrolase-like protein
13399566	6.29	5.95	1.26	0.3926	0.601642	RAD50	DNA repair protein RAD50
13520033	6.29	5.98	1.24	0.230052	0.527363	AT5G66090	hypothetical protein
13540414	6.29	5.98	1.24	0.208753	0.514214	AT5G57270	Core-2/I-branching beta-1,6-N-acetylglucosaminyltransferase family protein
13421319	6.29	6.03	1.2	0.298564	0.562461	CKB4	casein kinase 2, beta polypeptide
13391567	6.29	6.04	1.19	0.703369	0.80468	AT2G04400	indole-3-glycerol phosphate synthase
13426437	6.29	6.05	1.18	0.482453	0.653509	FLD	lysine-specific histone demethylase 1
13383311	6.29	6.08	1.15	0.228271	0.526027	AT1G65020	hypothetical protein
13440020	6.29	6.11	1.14	0.753647	0.838876	AT3G55890	yippee family putative zinc-binding protein
13479672	6.29	6.11	1.13	0.535783	0.689616	AT4G39690	hypothetical protein
13468043	6.29	6.12	1.12	0.532001	0.687536	AT4G13050	fatty acyl-ACP thioesterase A
13425458	6.29	6.14	1.11	0.438357	0.62848	AT3G07480	2Fe-2S ferredoxin-like protein
13477360	6.29	6.15	1.1	0.705573	0.806308	AT4G34140	D111/G-patch domain-containing protein
13384054	6.29	6.16	1.09	0.771443	0.851113	CLPP3	ATP-dependent Clp protease proteolytic subunit 3
13448684	6.29	6.21	1.06	0.829324	0.891605	AT3G13070	CBS domain and transporter associated domain-containing protein
13413524	6.29	6.23	1.05	0.86055	0.913101	AT2G26970	oligoribonuclease
13521955	6.29	6.23	1.04	0.430528	0.623341	SIM	cyclin-dependent protein kinase inhibitor
13529136	6.29	6.23	1.04	0.865736	0.916324	AT5G21950	hydrolase, alpha/beta fold family protein
13530730	6.29	6.24	1.04	0.869413	0.918821	AT5G25060	U2-associated protein SR140
13489577	6.29	6.39	-1.07	0.61859	0.745777	AT4G25710	F-box/kelch-repeat protein
13440257	6.29	6.56	-1.2	0.218519	0.520794	SEC15A	putative exocyst complex component 6
13489720	6.29	6.6	-1.24	0.129394	0.459395	RPS2	disease resistance protein RPS2
13534299	6.29	6.87	-1.49	0.163594	0.485314	AT5G41670	6-phosphogluconate dehydrogenase
13514566	6.29	7.22	-1.91	0.011365	0.297771	AT5G53590; CPuORF50	SAUR-like auxin-responsive protein; conserved peptide upstream open reading frame 50
13399221	6.28	3.84	5.41	0.042162	0.368598	CLE6	protein CLAVATA3/ESR-related 6
13432499	6.28	4.98	2.46	0.084408	0.418416	AT3G23750	leucine-rich repeat protein kinase-like protein
13484686	6.28	5.06	2.32	0.077292	0.412497	ARD1	1,2-dihydroxy-3-keto-5-methylthiopentene dioxygenase 2

13354822	6.28	5.23	2.06	0.259895	0.542622	AT1G63740	TIR-NBS-LRR class disease resistance protein
13494129	6.28	5.24	2.05	0.074505	0.410456	AT4G36080	transformation/transcription domain-associated protein
13471764	6.28	5.26	2.03	0.048948	0.377942	LOL2	lsd one like 2 protein
13512128	6.28	5.28	2	0.021822	0.325596	AT5G48335	hypothetical protein
13375101	6.28	5.31	1.95	0.010981	0.297771	AT1G33250	fringe-related protein
13532376	6.28	5.37	1.88	0.113509	0.444631	AT5G35740	carbohydrate-binding X8 domain-containing protein
13503139	6.28	5.42	1.82	0.229177	0.52681	AT5G18800	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex 8
13422952	6.28	5.45	1.78	0.000654	0.20993	AT3G01670	hypothetical protein
13340834	6.28	5.46	1.77	0.140933	0.467457	PAB1	proteasome subunit alpha type-2-A
13519100	6.28	5.5	1.71	0.239635	0.532669	AT5G64180	hypothetical protein
13371841	6.28	5.57	1.64	0.010199	0.296261	AT1G23890	NHL domain-containing protein
13491960	6.28	5.56	1.64	0.303013	0.564046	AT4G31420	Zinc finger protein 622
13336537	6.28	5.6	1.61	0.041935	0.368598	GSK1	Shaggy-related protein kinase iota
13478781	6.28	5.62	1.59	0.270169	0.548311	AT4G37440	hypothetical protein
13451424	6.28	5.64	1.56	0.353151	0.583576	PRP40B	pre-mRNA-processing protein 40B
13539890	6.28	5.63	1.56	0.301747	0.563858	D6PK	D6 protein kinase
13450117	6.28	5.65	1.55	0.133237	0.462782	AT3G16200	hypothetical protein
13517961	6.28	5.67	1.53	0.109056	0.440715	PFK4	6-phosphofructokinase 4
13479829	6.28	5.69	1.51	0.074951	0.410503	RABA4B; AT4G40000	RAB GTPase homolog A4B; S-adenosyl-L-methionine-dependent methyltransferase-like protein
13350354	6.28	5.75	1.45	0.108165	0.439971	AT1G50380	oligopeptidase B
13394509	6.28	5.76	1.43	0.270544	0.548501	AT2G19160	Core-2/I-branching beta-1,6-N-acetylglucosaminyltransferase family protein
13429988	6.28	5.8	1.4	0.050523	0.380932	AT3G18215	hypothetical protein
13394935	6.28	5.8	1.39	0.159418	0.481801	AT2G20320	DENN (AEX-3) domain-containing protein
13429698	6.28	5.81	1.38	0.192768	0.505579	AT3G17750	protein kinase family protein
13524771	6.28	5.88	1.32	0.314362	0.568148	AT5G11330	FAD/NAD(P)-binding oxidoreductase family protein
13517562	6.28	5.9	1.31	0.426532	0.621067	HDS	4-hydroxy-3-methylbut-2-enyl diphosphate synthase
13384883	6.28	5.9	1.3	0.374456	0.593017	AT1G68360	zinc finger-related protein
13339441	6.28	6.02	1.2	0.260575	0.542969	AT1G12810	proline-rich family protein
13523621	6.28	6.06	1.17	0.501901	0.666381	AT5G08580	EF-hand, calcium binding motif-containing protein
13513113	6.28	6.09	1.15	0.472813	0.648172	AT5G50550; AT5G50650	transducin/WD40 domain-containing protein; SEC12-like protein
13513158	6.28	6.09	1.15	0.472813	0.648172	AT5G50550; AT5G50650	transducin/WD40 domain-containing protein; SEC12-like protein
13450701	6.28	6.12	1.12	0.19334	0.505856	AT3G17845	hypothetical protein
13525472	6.28	6.11	1.12	0.543637	0.694707	WRKY75	putative WRKY transcription factor 75
13355545	6.28	6.14	1.1	0.808261	0.877023	HEXO3	beta-hexosaminidase 3
13450075	6.28	6.16	1.09	0.858724	0.91184	PDIL1-6	protein PDI-like 1-6
13479748	6.28	6.15	1.09	0.615744	0.743948	AT4G39860	hypothetical protein
13413397	6.28	6.25	1.02	0.934344	0.960304	AT2G26800	Hydroxymethylglutaryl-CoA lyase
13515015	6.28	6.31	-1.02	0.899271	0.937961	AT5G54600	50S ribosomal protein L24

13490040	6.28	6.34	-1.04	0.92116	0.952352	MAP65-2	microtubule-associated protein 65-2
13406915	6.28	6.41	-1.09	0.814013	0.88109	NUDT17	nudix hydrolase 17
13377395	6.28	6.41	-1.1	0.815298	0.881913	AT1G49310	hypothetical protein
13519821	6.28	6.44	-1.12	0.526101	0.683339	AT5G65683	C3H4 type zinc finger protein
13391538	6.28	6.47	-1.14	0.722804	0.818052	AT2G04340	hypothetical protein
13463645	6.28	6.46	-1.14	0.623581	0.749079	AT3G63270	hypothetical protein
13462686	6.28	6.61	-1.26	0.351234	0.582361	PEX11E; PP2-A13	peroxisomal membrane protein 11E; F-box protein PP2-A13
13479168	6.28	7.05	-1.71	0.00898	0.295471	GGR	geranylgeranyl diphosphate synthase, type II
13471008	6.27	4.19	4.25	0.082483	0.417792	AT4G20000	VQ motif-containing protein
13349116	6.27	5.03	2.37	0.094397	0.430944	PAF2	proteasome subunit alpha type-1-B
13451966	6.27	5.04	2.35	0.172354	0.489773	AT3G20830	AGC (cAMP-dependent, cGMP-dependent and protein kinase C) kinase family protein
13479255	6.27	5.11	2.23	0.059713	0.395074	FP6	farnesylated protein 6
13370241	6.27	5.2	2.09	0.104203	0.4366	APS2	Pseudouridine synthase/archaeosine transglycosylase-like protein
13440639	6.27	5.38	1.85	0.080102	0.414323	NRPA1	DNA-directed RNA polymerase I subunit A1
13409675	6.27	5.4	1.83	0.09207	0.429607	EMB2763; AT2G17500	exosome complex exonuclease DIS3/RRP44; auxin efflux carrier-like protein
13426397	6.27	5.42	1.8	0.148227	0.471967	AT3G10330	transcription initiation factor IIB-2
13358297	6.27	5.43	1.78	0.197036	0.507661	AT1G72340	eukaryotic translation initiation factor 2B domain-containing protein
13412163	6.27	5.47	1.74	0.267884	0.546492	CNGC6	cyclic nucleotide gated channel
13479918	6.27	5.49	1.72	0.130304	0.460266	AT4G00170	VAMP (vesicle-associated membrane protein) family protein
13387308	6.27	5.52	1.68	0.018424	0.321469	HVA22A	HVA22-like protein a
13509115	6.27	5.55	1.65	0.084127	0.41808	AT5G41270	hypothetical protein
13522655	6.27	5.55	1.64	0.0604	0.396137	AT5G06370	NC domain-containing protein-like protein
13495042	6.27	5.56	1.63	0.21797	0.520652	AT4G38100	hypothetical protein
13487872	6.27	5.62	1.57	0.197589	0.507784	AT4G22120	early-responsive to dehydration stress-related protein
13338150	6.27	5.68	1.51	0.358585	0.585867	AT1G09870	histidine acid phosphatase-like protein
13351190	6.27	5.68	1.51	0.170776	0.488813	AT1G52380	nucleoporin 50 protein
13356843	6.27	5.67	1.51	0.345435	0.580183	BIM2	transcription factor BIM2
13478565	6.27	5.69	1.5	0.326554	0.573808	NAPRT1	nicotinate phosphoribosyltransferase 1
13343228	6.27	5.75	1.43	0.419353	0.6169	SHM6	serine hydroxymethyltransferase 6
13480778	6.27	5.78	1.41	0.16399	0.485532	AT4G01960	hypothetical protein
13475032	6.27	5.86	1.32	0.129531	0.459519	AT4G29000	Tesmin/TSO1-like CXC domain-containing protein
13344885	6.27	5.89	1.3	0.322848	0.572064	AT1G26940	Cyclophilin-like peptidyl-prolyl cis-trans isomerase family protein
13487896	6.27	5.91	1.28	0.126208	0.455497	PUX3	plant UBX domain-containing protein 3
13460235	6.27	5.97	1.22	0.412559	0.61329	AT3G55020	RabGAP/TBC domain-containing protein
13384822	6.27	6.06	1.15	0.598562	0.731596	AT1G68140	hypothetical protein
13464488	6.27	6.13	1.1	0.750106	0.836204	ABC1; AT4G01670	ABC transporter 1; hypothetical protein
13466766	6.27	6.15	1.08	0.884713	0.929606	AT4G09630	hypothetical protein
13390161	6.27	6.17	1.07	0.732737	0.825307	WIN1	acetylornithine aminotransferase
13509451	6.27	6.24	1.02	0.923279	0.953674	AT5G42150	Glutathione S-transferase family protein

13383966	6.27	6.26	1.01	0.969751	0.982226	CAM4; CAM1	calmodulin 4; calmodulin 1
13413980	6.27	6.26	1.01	0.927112	0.95598	AT2G27950	RING/U-box domain-containing protein
13520308	6.27	6.3	-1.02	0.834963	0.895659	AT5G66770	scarecrow-like protein 4
13416405	6.27	6.32	-1.03	0.916859	0.949686	CPL3	RNA polymerase II C-terminal domain phosphatase-like 3
13513248	6.27	6.41	-1.1	0.646879	0.765031	AT5G50840	hypothetical protein
13419012	6.27	6.53	-1.2	0.15819	0.480659	MTP11	putative Mn-specific cation diffusion facilitator transporter
13386208	6.27	6.61	-1.26	0.096994	0.433165	ABCG25	ABC transporter G family member 25
13405649	6.27	6.88	-1.53	0.165007	0.485944	AT2G46140	Late embryogenesis abundant protein
13344936	6.26	4.43	3.56	0.049501	0.378802	AT1G27020	hypothetical protein
13355937	6.26	4.94	2.5	0.046226	0.377124	AT1G66800	Rossmann-fold NAD(P)-binding domain-containing protein
13365703	6.26	5.28	1.97	0.238405	0.532151	PHYA	phytochrome A
13374101	6.26	5.29	1.95	0.039365	0.364658	PHV	homeobox-leucine zipper protein ATHB-9
13414318	6.26	5.32	1.92	0.125633	0.45484	ALB3	inner membrane protein ALBINO3
13372407	6.26	5.37	1.85	0.162726	0.484829	SOG1	NAC domain-containing protein 8
13353985	6.26	5.45	1.75	0.247128	0.535816	AT1G61210	transducin/WD-40 repeat-containing protein
13486603	6.26	5.47	1.73	0.010478	0.296271	IRX1	cellulose synthase A catalytic subunit 8 [UDP-forming]
13473006	6.26	5.47	1.73	0.227146	0.525582	AT4G24500	hydroxyproline-rich glycoprotein family protein
13486833	6.26	5.54	1.65	0.010754	0.297771	AT4G19185	nodulin MtN21 /EamA-like transporter family protein
13525977	6.26	5.59	1.59	0.059199	0.394924	HEMG2	protoporphyrinogen oxidase
13443231	6.26	5.66	1.51	0.231854	0.528276	AT3G01380	sulfatase and phosphatidylinositolglycan class N domain-containing protein
13482627	6.26	5.71	1.47	0.396053	0.603844	EMB1691	methyltransferase-like protein 1
13493922	6.26	5.7	1.47	0.070849	0.40759	AT4G35760	NAD(P)H dehydrogenase (quinone)s
13512659	6.26	5.73	1.44	0.300771	0.563734	PFD3	putative prefoldin subunit 3
13341495	6.26	5.75	1.42	0.21871	0.520899	AT1G17680	tetratricopeptide repeat (TPR)-containing protein
13350459	6.26	5.78	1.39	0.255258	0.540321	AT1G50620	RING/FYVE/PHD zinc finger-containing protein
13451798	6.26	5.79	1.39	0.208636	0.514214	AT3G20490	hypothetical protein
13443189	6.26	5.82	1.36	0.510031	0.672055		
13382061	6.26	5.82	1.35	0.230938	0.527788	AT1G61690	phosphoinositide binding protein
13387149	6.26	5.83	1.35	0.462419	0.642929	AT1G74050	60S ribosomal protein L6-3
13414135	6.26	5.83	1.35	0.262177	0.543595	AT2G28430	hypothetical protein
13361293	6.26	5.86	1.32	0.027429	0.342427	AT1G79950	regulator of telomere elongation helicase 1
13499525	6.26	5.9	1.28	0.534576	0.688775	AT5G09390	CD2 antigen cytoplasmic tail-binding protein 2
13522007	6.26	5.92	1.26	0.446964	0.634054	AT5G04670	Enhancer of polycomb-like transcription factor protein
13337178	6.26	6.01	1.19	0.034014	0.354099	AT1G07930; AT1G07940; AT1G07920; AT5G60390	Elongation factor 1-alpha
13423372	6.26	6.01	1.19	0.169332	0.487806	STE1	delta(7)-sterol-C5(6)-desaturase 1

13503825	6.26	6.01	1.19	0.672243	0.782677	AT5G20060	phospholipase/carboxylesterase family protein
13389304	6.26	6.06	1.15	0.563957	0.708647	AT1G79020	enhancer of polycomb-like protein
13476093	6.26	6.11	1.11	0.77886	0.856085	AT4G31490	coatomer subunit beta-2
13379403	6.26	6.23	1.03	0.886823	0.930765	AT1G54220	dihydrolipoyllysine-residue acetyltransferase component 3 of pyruvate dehydrogenase complex
13496848	6.26	6.41	-1.11	0.471533	0.64746	P58IPK; FLA11	mamallian P58IPK-like protein; fasciclin-like arabinogalactan protein 11
13481802	6.26	6.45	-1.14	0.752133	0.837582	ALN	allantoinase
13500998	6.26	6.49	-1.17	0.506476	0.66984	AT5G13370	auxin-responsive GH3 family protein
13374226	6.26	6.63	-1.3	0.091504	0.428831	AT1G30750	hypothetical protein
13524193	6.26	6.84	-1.49	0.171241	0.489265	MIPS3	myo-inositol-1-phosphate synthase
13407686	6.26	7.36	-2.14	0.085123	0.419586	AIR3	Subtilisin-like serine endopeptidase family protein
13363740	6.26	7.41	-2.23	0.136564	0.465256	AT1G05340	hypothetical protein
13446941	6.26	7.42	-2.24	0.012365	0.301412	AT3G09540	pectate lyase
13457124	6.26	7.87	-3.07	0.01627	0.315398	LHCA4	chlorophyll a-b binding protein 4
13527835	6.25	5.19	2.08	0.11024	0.441206	PIR121	protein PIR
13356637	6.25	5.25	2	0.17585	0.492353	AT1G68580	agenet domain-containing protein / bromo-adjacent homology (BAH) domain-containing protein
13499029	6.25	5.36	1.86	0.303813	0.564401	AT5G07940	hypothetical protein
13434517	6.25	5.39	1.81	0.014596	0.313095	PME31	pectinesterase 31
13415705	6.25	5.47	1.71	0.091628	0.428831	CNX2	Molybdopterin biosynthesis protein CNX2
13402041	6.25	5.48	1.7	0.005875	0.279573	AT2G37690	phosphoribosylaminoimidazole carboxylase
13447152	6.25	5.54	1.63	0.219624	0.521561	AT3G10030	aspartate/glutamate/uridylate kinase-like protein
13367246	6.25	5.56	1.61	0.048228	0.37767	AT1G12930	exportin 1-like protein domain-containing protein
13421461	6.25	5.59	1.58	0.356789	0.584818	AT2G45060	hypothetical protein
13482710	6.25	5.62	1.55	0.045027	0.374597	AT4G10080	hypothetical protein
13352504	6.25	5.62	1.54	0.229156	0.52681	GCT	RNA polymerase II transcription mediator
13386346	6.25	5.64	1.53	0.246385	0.535608	AT1G72410; AT1G72390	COP1-interacting protein-related protein; hypothetical protein
13488990	6.25	5.71	1.46	0.328009	0.574416	AT4G24610	hypothetical protein
13344110	6.25	5.74	1.42	0.161865	0.483588	AT1G24310; AT1G24320	hypothetical protein; mannosyl-oligosaccharide glucosidase
13339556	6.25	5.79	1.37	0.311531	0.566985	AT1G13160	NUC130/3NT and SDA1 domain-containing protein
13384365	6.25	5.8	1.37	0.474251	0.648776	AT1G67250	proteasome maturation protein
13479147	6.25	5.85	1.33	0.013345	0.307369	ROPGEF1	Rop guanine nucleotide exchange factor 1
13415335	6.25	5.96	1.23	0.24973	0.537218	APG9	protein autophagy 9
13463581	6.25	5.98	1.21	0.275001	0.550583	RRF	ribosome-recycling factor
13442633	6.25	5.98	1.2	0.163121	0.484829	AT3G62400	cytochrome c oxidase subunit 5C-2
13495497	6.25	6.03	1.17	0.396632	0.604147	AT4G38900	basic leucine zipper transcription factor-like protein
13348946	6.25	6.04	1.16	0.447706	0.634446	ATUBC2-1	ubiquitin-conjugating enzyme 15
13457570	6.25	6.03	1.16	0.336603	0.576994	AT3G48820	glycosyltransferase family 29 (sialyltransferase) protein

13372099	6.25	6.09	1.12	0.41656	0.615562	AT1G24350; EMB2421	Acid phosphatase/vanadium-dependent haloperoxidase-related protein; FAD/NAD(P)-binding oxidoreductase family protein
13397513	6.25	6.09	1.12	0.682501	0.789731	TED4	heme oxygenase 1
13539832	6.25	6.09	1.12	0.832167	0.893733	AT5G55670	RNA recognition motif-containing protein
13537648	6.25	6.1	1.11	0.722513	0.817885	emb1441	zinc knuckle (CCHC-type) family protein
13424371	6.25	6.15	1.07	0.772989	0.851978	CYSD1	cysteine synthase D1
13528131	6.25	6.3	-1.04	0.050147	0.380143	AT5G19130	glycosylphosphatidylinositol transamidase
13411645	6.25	6.36	-1.08	0.653616	0.770191	AT2G22370	hypothetical protein
13515808	6.25	6.38	-1.09	0.761366	0.843636	AGP14	arabinogalactan protein 14
13502829	6.25	6.4	-1.11	0.694717	0.798661	TRP1	anthranilate phosphoribosyltransferase
13419256	6.25	6.46	-1.15	0.431801	0.624269	HSPRO2	HS1 PRO-1 2-like protein
13405962	6.25	6.46	-1.16	0.104737	0.437035	PSI-P	thylakoid membrane phosphoprotein
13445393	6.25	6.48	-1.18	0.30764	0.565957	AT3G06130	heavy-metal-associated domain-containing protein
13488701	6.25	6.82	-1.48	0.132651	0.462428	CHX17	cation/H(+) antiporter 17
13465869	6.25	6.95	-1.62	0.183143	0.497967	AT4G04990	hypothetical protein
13396109	6.25	7.01	-1.68	0.183138	0.497967	SCPL12	serine carboxypeptidase-like 12
13392368	6.25	7.33	-2.12	0.401686	0.60689		
13408312	6.25	7.33	-2.12	0.401686	0.60689		
13545130	6.25	7.33	-2.12	0.401686	0.60689		
13545192	6.25	7.33	-2.12	0.401686	0.60689		
13469191	6.24	2.57	12.68	0.004184	0.262292	AT4G15680	monothiol glutaredoxin-S4
13404788	6.24	4.42	3.53	0.018897	0.321499	AT2G44210	hypothetical protein
13339437	6.24	4.75	2.81	0.096151	0.43217	AT1G12805	nucleotide binding protein
13453533	6.24	4.92	2.5	0.10106	0.434702	AT3G25120	Mitochondrial import inner membrane translocase subunit Tim17/Tim22/Tim23 family protein
13523078	6.24	5.04	2.29	0.170508	0.488635	AT5G07360	Amidase family protein
13354817	6.24	5.07	2.24	0.049799	0.379169	AT1G63730	TIR-NBS-LRR class disease resistance protein
13339897	6.24	5.32	1.89	0.316768	0.568567	AT1G14040	phosphate transporter PHO1-3
13439461	6.24	5.38	1.82	0.019872	0.322692	AT3G54780	C3HC4-type RING finger protein
13480367	6.24	5.4	1.79	0.07212	0.408352	CNGC13	cyclic nucleotide-gated channel 13
13481405	6.24	5.43	1.76	0.067107	0.405452	AT4G03415	putative protein phosphatase 2C 52
13393733	6.24	5.44	1.74	0.201567	0.510189	AP19	AP-1 complex subunit sigma-1
13502119	6.24	5.46	1.72	0.238455	0.532151	AT5G16120	hydrolase, alpha/beta fold family protein
13337320	6.24	5.52	1.65	0.283092	0.555666	AT1G08360	60S ribosomal protein L10a-1
13471775	6.24	5.53	1.65	0.241534	0.53362	CPL1	RNA polymerase II C-terminal domain phosphatase-like 1
13493039	6.24	5.56	1.6	0.134652	0.463251	AT4G33480	hypothetical protein
13390842	6.24	5.59	1.57	0.078205	0.413793	AL6	protein alfin-like 6
13501399	6.24	5.59	1.56	0.152151	0.474463	AT5G14260	Rubisco methyltransferase family protein
13435056	6.24	5.61	1.54	0.341224	0.57855	TES	ATP binding microtubule motor family protein
13368428	6.24	5.64	1.51	0.113806	0.444751	PWP2	periodic tryptophan protein 2
13384803	6.24	5.65	1.5	0.151633	0.473918	AT1G68070	C3HC4-type RING finger domain-containing protein
13542677	6.24	5.67	1.48	0.437784	0.628298	AT5G62820	hypothetical protein

13532396	6.24	5.68	1.47	0.183717	0.49846	AT5G35753	hypothetical protein
13497873	6.24	5.7	1.45	0.021252	0.325017	AT5G05450	DEAD-box ATP-dependent RNA helicase 18
13519496	6.24	5.81	1.35	0.260761	0.542969	CDKC2	cyclin-dependent kinase C-2
13430656	6.24	5.84	1.32	0.293673	0.55994	AT3G19650	cyclin-related protein
13335262	6.24	5.88	1.28	0.385968	0.598511	AT1G03280	transcription initiation factor TFIIE alpha subunit
13512677	6.24	5.88	1.28	0.466666	0.645004	AT5G49530	SIN-like protein
13407468	6.24	5.92	1.25	0.415196	0.614362	WRKY3	WRKY DNA-binding protein 3
13448200	6.24	5.98	1.19	0.469506	0.646573	AT3G12140	Emsy N Terminus and plant Tudor-like domain-containing protein
13455315	6.24	6.02	1.16	0.499411	0.664648	RGF4	hypothetical protein
13516081	6.24	6.11	1.09	0.758334	0.84168	AT5G57150; ATLIG4; PAP28	transcription factor bHLH35; DNA ligase 4; purple acid phosphatase 28
13521303	6.24	6.12	1.09	0.447422	0.634296	AT5G02640	hypothetical protein
13481649	6.24	6.19	1.03	0.92646	0.955683	CPK21	calcium-dependent protein kinase 21
13429548	6.24	6.23	1.01	0.922427	0.953139	AT3G17430	Nucleotide-sugar transporter family protein
13395409	6.24	6.34	-1.07	0.49728	0.663441	AT2G21380	centromeric protein E
13451115	6.24	6.36	-1.09	0.603774	0.734932	AT3G19010	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase-like protein
13506195	6.24	6.41	-1.12	0.386781	0.598595	LON1	lon protease 1
13514176	6.24	6.42	-1.14	0.266209	0.546291	WRKY27	WRKY DNA-binding protein 27
13501223	6.24	6.51	-1.21	0.61363	0.742502	TBP1	Telomere repeat-binding protein 4
13391882	6.24	6.54	-1.23	0.372912	0.592245	AT2G05590	TLD-domain containing nucleolar protein
13423857	6.24	6.59	-1.28	0.292871	0.559559	SDG20	histone-lysine N-methyltransferase SUVR3
13362866	6.24	6.68	-1.36	0.100872	0.434702	THM1	thioredoxin M1
13517163	6.24	6.72	-1.4	0.331599	0.576146	AT5G59690; AT1G07820; AT1G07660; AT5G59970; AT3G53730; AT3G46320; AT3G45930; HIS4	histone H4
13457531	6.24	6.75	-1.42	0.257219	0.541232	NPC6	non-specific phospholipase C6
13514914	6.24	6.83	-1.51	0.284405	0.556165	HL	PAP-specific phosphatase HAL2-like protein
13498607	6.24	6.89	-1.57	0.213883	0.518299	PRA1.B6	PRA1 family protein B6
13380448	6.24	6.97	-1.65	0.090691	0.427844	RXGT1	rhamnogalacturonan II specific xylosyltransferase
13392322	6.24	9	-6.79	0.238707	0.532292		
13545120	6.24	9	-6.79	0.238707	0.532292		
13467349	6.24	10.03	-13.85	0.000497	0.207323	AT4G11190	disease resistance-responsive, dirigent domain-containing protein
13461517	6.23	4.47	3.38	0.036525	0.359373	AT3G58270	phospholipase-like protein (PEARLI 4) with TRAF-like domain
13419021	6.23	4.86	2.59	0.048467	0.37767	PGP6	ABC transporter B family member 6
13376706	6.23	5.05	2.27	0.077726	0.412995	HXK3	hexokinase-like 1 protein
13444585	6.23	5.37	1.82	0.065351	0.402052	AT3G04560; AT3G04550	hypothetical protein

13366423	6.23	5.43	1.75	0.234611	0.529692	AGD4	ADP-ribosylation factor GTPase-activating protein AGD4
13387768	6.23	5.42	1.75	0.241685	0.53362	AT1G75670	DNA-directed RNA polymerase
13355238	6.23	5.46	1.71	0.007323	0.288531	TUA1; DSS1(I)	tubulin alpha-1 chain; 26 proteasome complex subunit DSS1
13411064	6.23	5.51	1.64	0.097588	0.433275	AT2G20780; GCL2	putative polyol transporter 4; protein GCR2-LIKE 2
13480595	6.23	5.52	1.64	0.139154	0.466124	AT4G01590	hypothetical protein
13483457	6.23	5.59	1.56	0.236137	0.530423	AT4G12010	TIR-NBS-LRR class disease resistance protein
13348925	6.23	5.59	1.55	0.306482	0.565397	AT1G45000	AAA-type ATPase family protein
13490012	6.23	5.61	1.53	0.397286	0.604224	PPX1	serine/threonine-protein phosphatase PP-X isozyme 1
13357147	6.23	5.66	1.49	0.235057	0.529694	HEMB1; RAB8	delta-aminolevulinic acid dehydratase; RAB GTPase-8
13382789	6.23	5.65	1.49	0.227037	0.52549	AT1G63660	GMP-synthase-C and glutamine amidotransferase domain-containing protein
13334167	6.23	5.68	1.46	0.429588	0.622806	DCL1	endoribonuclease Dicer
13402087	6.23	5.76	1.38	0.143053	0.468992	AT2G37790	NAD(P)-linked oxidoreductase-like protein
13425634	6.23	5.77	1.37	0.326266	0.573808	OBE1	protein OBERON 1
13492698	6.23	5.79	1.35	0.306128	0.565359	AT4G32970	hypothetical protein
13384961	6.23	5.82	1.33	0.413141	0.613673	AT1G68550; CPuORF53	ethylene-responsive transcription factor ERF118; conserved peptide upstream open reading frame 53
13368583	6.23	5.86	1.29	0.162983	0.484829	AT1G15800	hypothetical protein
13496970	6.23	5.9	1.25	0.361474	0.5879	DPB	Transcription factor DP
13369280	6.23	5.93	1.23	0.609242	0.739164	NOF1	hypothetical protein
13391090	6.23	5.94	1.23	0.538417	0.691451	AT2G03140	alpha/beta-hydrolases-like protein
13436283	6.23	5.96	1.21	0.355105	0.584506	AT3G46930	protein kinase family protein
13335434	6.23	5.97	1.19	0.192578	0.505579	RING1B	ubiquitin-protein ligase RNF1/2
13343347	6.23	5.98	1.19	0.494039	0.660977	PAPP2C	putative protein phosphatase 2C 9
13478799	6.23	6	1.18	0.25993	0.542622	AT4G37520	peroxidase 50
13460652	6.23	6	1.17	0.393716	0.602408	PRA1.B1	PRA1 family protein B1
13504114	6.23	6.02	1.16	0.393669	0.602369	TSL	serine/threonine-protein kinase TOUSLED
13456601	6.23	6.13	1.07	0.729852	0.823072	ADF2	actin depolymerizing factor 2
13336740	6.23	6.19	1.03	0.868451	0.918178	GAUT6	alpha-1,4-galacturonosyltransferase
13409630	6.23	6.2	1.03	0.904255	0.941407	AT2G17350	hypothetical protein
13453977	6.23	6.26	-1.02	0.787913	0.86254	AT3G26560	ATP-dependent RNA helicase DHX8/PRP22
13379267	6.23	6.3	-1.04	0.885819	0.930155	PAE1	proteasome subunit alpha type-5-A
13437473	6.23	6.36	-1.09	0.468405	0.645755	AT3G49590	Autophagy-related protein 13
13406422	6.23	6.37	-1.1	0.227469	0.525653	MRP4	ABC transporter C family member 4
13541522	6.23	6.46	-1.18	0.589157	0.726702	AT5G59850; RPS15A	40S ribosomal protein S15a-1
13458997	6.23	6.48	-1.19	0.482768	0.653594	PHF1	SEC12-like protein 1
13462759	6.23	6.51	-1.21	0.145024	0.470007	AT3G61200	thioredoxin family protein
13537507	6.23	6.65	-1.34	0.271934	0.548926	AAP6	amino acid permease 6
13345614	6.23	6.93	-1.62	0.126998	0.456777	NAC010	NAC domain containing protein 10
13446104	6.23	6.94	-1.63	0.119469	0.450379	AT3G07320	O-Glycosyl hydrolases family 17 protein
13432101	6.22	3.96	4.79	0.003253	0.253459	ETR2	putative ethylene receptor

13536167	6.22	5.08	2.2	0.008845	0.293015	AT5G46270	Disease resistance protein (TIR-NBS-LRR class) family protein
13481860	6.22	5.12	2.14	0.001165	0.242634	AT4G05070	Wound-responsive family protein
13338586	6.22	5.22	2	0.131044	0.460967	AT1G10910	pentatricopeptide repeat-containing protein
13346137	6.22	5.24	1.98	0.122293	0.452662	AT1G30200	F-box protein
13382575	6.22	5.26	1.94	0.004339	0.262292	RBL2	rhomboid -like 2
13382726	6.22	5.27	1.93	0.146628	0.470962	AT1G63490	transcription factor jumonji (jmjC) domain-containing protein
13389593	6.22	5.36	1.81	0.075731	0.410503	AT1G79570	octicosapeptide/Phox/Be.1 domain-containing protein kinase
13538068	6.22	5.49	1.65	0.009858	0.296261	UBC27	ubiquitin-conjugating enzyme E2 27
13363474	6.22	5.5	1.65	0.112832	0.443921	TAFII59	transcription initiation factor TFIID subunit D5
13445219	6.22	5.54	1.61	0.046207	0.377124	AT3G05910	Pectin lyase-like protein
13528554	6.22	5.54	1.61	0.07794	0.413314	AT5G20160	U4/U6 small nuclear ribonucleoprotein SNU13
13357553	6.22	5.55	1.59	0.058897	0.394551	AT1G70670	Caleosin-related family protein
13486230	6.22	5.58	1.56	0.251838	0.538632	AT4G17720	RNA recognition motif-containing protein
13446020	6.22	5.68	1.45	0.110952	0.442308	AT3G07180; AT3G07170	GPI transamidase component PIG-S-related protein; Sterile alpha motif (SAM) domain-containing protein
13368332	6.22	5.69	1.44	0.27622	0.551185	AT1G15230	hypothetical protein
13349422	6.22	5.78	1.36	0.478266	0.651265	KU80	ATP-dependent DNA helicase 2 subunit KU80
13541115	6.22	5.79	1.35	0.197204	0.507663	ftsh9	cell division protease ftsH-9
13386469	6.22	5.84	1.3	0.091271	0.428443	PSD	protein PAUSED
13389017	6.22	5.87	1.28	0.072691	0.408352	AT1G78560	Sodium bile acid symporter-like protein
13416828	6.22	5.88	1.27	0.083636	0.417946	AT2G34585	hypothetical protein
13466748	6.22	5.91	1.24	0.171678	0.489372	GIP1	mitotic-spindle organizing protein 1B
13482977	6.22	5.93	1.23	0.1877	0.50204	AT4G10790	UBX domain-containing protein
13544806	6.22	5.92	1.23	0.092484	0.429659	AT5G67620	hypothetical protein
13512872	6.22	5.95	1.21	0.23436	0.529614	CPHSC70-2EAT SHOCK PROTEIN 70-2; AT5G49920	heat shock protein 70-2; octicosapeptide/Phox/Bem1p domain-containing protein
13339835	6.22	5.96	1.19	0.132488	0.462428	ELF5A-1	translation initiation factor eIF-5A
13456940	6.22	5.98	1.18	0.376929	0.593595	PHS2	alpha-glucan phosphorylase isozyme H
13471365	6.22	5.99	1.17	0.744669	0.832254	AT4G20860	FAD-binding and BBE domain-containing protein
13424975	6.22	6	1.16	0.517235	0.67696	AT3G06330	RING/U-box domain-containing protein
13463799	6.22	6.03	1.14	0.769272	0.849476	AT4G00040	chalcone synthase 2-like protein
13477484	6.22	6.05	1.13	0.203945	0.511039	ARI1	putative E3 ubiquitin-protein ligase ARI1
13480671	6.22	6.04	1.13	0.486563	0.65598	AT4G01810	sec23/sec24-like transport protein
13395817	6.22	6.07	1.11	0.417813	0.616221	AT2G22270	hypothetical protein
13482817	6.22	6.08	1.1	0.617494	0.745177	AT4G10430	TMPIT-like protein
13526303	6.22	6.08	1.1	0.458799	0.640177	AT5G14850	phosphatidylinositol glycan, class B
13350096	6.22	6.09	1.09	0.574656	0.716078	AT1G49740	PI-PLC X domain-containing protein
13505517	6.22	6.1	1.09	0.753955	0.839023	TAF5	transcription initiation factor TFIID subunit D4
13340723	6.22	6.19	1.02	0.912531	0.94697	RAD23A	putative DNA repair protein RAD23-2

13418745	6.22	6.26	-1.03	0.773252	0.852103	AT2G38870	serine protease inhibitor, potato inhibitor I-type protein
13462391	6.22	6.28	-1.04	0.598173	0.731384	AT3G60210	GroES-like family protein
13430243	6.22	6.29	-1.05	0.573529	0.715298	AT3G18790	pre-mRNA-splicing factor ISY1
13491818	6.22	6.33	-1.08	0.730687	0.823713	LRL2	transcription factor bHLH69
13384732	6.22	9.31	-8.5	0.014712	0.313095	AT1G67870	glycine-rich protein
13458110	6.21	5.22	1.99	0.122274	0.452662	CYCD3;3	cyclin-D3-3
13356445	6.21	5.27	1.92	0.021205	0.324817	ATTPS6	alpha,alpha-trehalose-phosphate synthase [UDP-forming] 6
13373512	6.21	5.35	1.81	0.172246	0.489773	AT1G29025	Calcium-binding EF-hand family protein
13346726	6.21	5.4	1.75	0.262494	0.543647	SGR2; AT1G31490	protein shoot gravitropism 2 (SGR2); HXXXD-type acyl-transferase-like protein
13366043	6.21	5.42	1.74	0.110051	0.441206	NFXL1	NF-X1-type zinc finger protein NFXL1
13387209	6.21	5.41	1.74	0.097108	0.433165	PUR4	phosphoribosylformylglycinamidine synthase
13442041	6.21	5.41	1.74	0.334589	0.576604	NTMC2T4	calcium-dependent lipid-binding domain-containing protein
13477049	6.21	5.41	1.74	0.111095	0.44257	DHS2	phospho-2-dehydro-3-deoxyheptonate aldolase 2
13487538	6.21	5.41	1.74	0.24295	0.534289	CRK29	cysteine-rich receptor-like protein kinase 29
13361566	6.21	5.43	1.73	0.107045	0.439338	IMD2	3-isopropylmalate dehydrogenase 2
13471176	6.21	5.61	1.51	0.191551	0.504617	AT4G20340	Transcription factor TFIIE, alpha subunit
13357475	6.21	5.65	1.47	0.400991	0.606349	AT1G70590	F-box protein
13380464	6.21	5.67	1.46	0.161247	0.483302	ZIP4	clathrin adaptor complexes medium subunit-like protein
13419128	6.21	5.75	1.38	0.042266	0.368598	AT2G39750; AT2G39740	putative methyltransferase PMT11; Nucleotidyltransferase family protein
13499984	6.21	5.83	1.29	0.363377	0.588673	AT5G10580; AT5G10590	hypothetical protein
13463169	6.21	5.9	1.25	0.007536	0.290374	AT3G62200	Putative endonuclease or glycosyl hydrolase
13493858	6.21	5.9	1.24	0.238389	0.532151	AT4G35510	hypothetical protein
13481103	6.21	5.92	1.23	0.100666	0.434702	AT4G02760	F-box protein
13477807	6.21	5.92	1.22	0.019908	0.322692	AT4G35080	high-affinity nickel-transport family protein
13389102	6.21	5.96	1.19	0.278414	0.552993	AT1G78800	alpha-1,3/alpha-1,6-mannosyltransferase
13424365	6.21	5.97	1.18	0.19425	0.505856	AT3G04930	DNA-binding storekeeper protein-related transcriptional regulator
13398858	6.21	5.98	1.17	0.606487	0.736948	AT2G30060	Ran-binding protein 1-b
13445794	6.21	6	1.16	0.011188	0.297771	AT3G06820	BRCA1/BRCA2-containing complex subunit 3
13500660	6.21	6.03	1.13	0.220073	0.521793	CLT3	CRT (chloroquine-resistance transporter)-like transporter 3
13425540	6.21	6.05	1.12	0.310589	0.566973	AT3G07640	hypothetical protein
13527463	6.21	6.13	1.06	0.663855	0.776771	RCP1	Maltose excess protein 1
13409423	6.21	6.18	1.03	0.930744	0.957752	AT2G16790	gluconokinase
13409453	6.21	6.2	1.01	0.707415	0.807671	AT2G16900	phospholipase-like protein
13472607	6.21	6.27	-1.05	0.312359	0.567545	AT4G23910	hypothetical protein
13437575	6.21	6.33	-1.09	0.715297	0.812903	AT3G49880	glycosyl hydrolase family protein 43
13539385	6.21	6.42	-1.15	0.781169	0.857563	DFL1	indole-3-acetic acid-amido synthetase GH3.6
13361019	6.21	6.59	-1.3	0.048454	0.37767	ECT8	hypothetical protein

13446521	6.21	6.66	-1.36	0.153056	0.475882	PK1	serine/threonine-protein kinase AtPK1/AtPK6
13533144	6.21	8.54	-5.03	0.00148	0.249401	AT5G38020	S-adenosyl-L-methionine-dependent methyltransferase-like protein
13520530	6.21	8.85	-6.22	0.007484	0.289866	RHS19	peroxidase 73
13354139	6.2	4.56	3.12	0.019296	0.321499	AT1G61667	hypothetical protein
13530853	6.2	5.07	2.18	0.022155	0.326278	AT5G25440	protein kinase family protein
13474187	6.2	5.18	2.03	0.115329	0.446247	AT4G27310	B-box type zinc finger-containing protein
13524735	6.2	5.21	1.98	0.032906	0.354018	HY5	transcription factor HY5
13544647	6.2	5.26	1.93	0.187425	0.501922	SKIP2	F-box protein SKIP2
13385642	6.2	5.29	1.89	0.208368	0.514037	AT1G70280	NHL domain-containing protein
13367058	6.2	5.36	1.79	0.069072	0.406403	AT1G12440	zinc finger A20 and AN1 domain-containing stress-associated protein 1
13539826	6.2	5.39	1.75	0.283997	0.556068	AT5G55640	hypothetical protein
13358639	6.2	5.4	1.74	0.001105	0.242634	AT1G73380	hypothetical protein
13344533	6.2	5.41	1.73	0.137987	0.46568	AT1G25520	putative transmembrane protein
13350487	6.2	5.51	1.62	0.275411	0.550666	AT1G50730	hypothetical protein
13381649	6.2	5.6	1.52	0.384832	0.598	SNRK2.10	serine/threonine-protein kinase SRK2B
13494100	6.2	5.59	1.52	0.121584	0.452563	AT4G36050	endonuclease 2
13513792	6.2	5.6	1.51	0.294476	0.560624	AT5G51880	iron ion binding / oxidoreductase
13358550	6.2	5.61	1.5	0.314854	0.568201	VPS46.2	SNF7-like protein
13413893	6.2	5.63	1.49	0.327457	0.574286	AT2G27680	NAD(P)-linked oxidoreductase-like protein
13544753	6.2	5.62	1.49	0.246691	0.535608	AT5G67510	60S ribosomal protein L26-2
13370030	6.2	5.69	1.43	0.139352	0.466238	AT1G19430	putative methyltransferase PMT28
13391110	6.2	5.68	1.43	0.2647	0.545611	emb1579	ATP/GTP-binding protein-like protein
13524966	6.2	5.72	1.39	0.35712	0.584844	AT5G11840	hypothetical protein
13517378	6.2	5.73	1.38	0.057327	0.392016	TMO6	Dof zinc finger protein DOF5.3
13363006	6.2	5.84	1.28	0.241945	0.533761	PSAT1	phospholipid sterol acyl transferase 1
13360612	6.2	5.88	1.25	0.471042	0.647348	AT1G78280	transferase
13402942	6.2	5.9	1.23	0.556671	0.703791	TOPP4	serine/threonine-protein phosphatase PP1 isozyme 4
13471866	6.2	5.96	1.18	0.62378	0.749085	QQT2	XPA-binding protein 1
13428446	6.2	5.97	1.17	0.467808	0.645394	AT3G15080	exonuclease-like protein
13406344	6.2	6.01	1.14	0.658514	0.773816	U1A	spliceosomal protein U1A
13443795	6.2	6.02	1.13	0.246919	0.535608	AT3G02800	tyrosine specific protein phosphatase-like protein
13527110	6.2	6.03	1.12	0.54935	0.699051	AT5G16800	GCN5-related N-acetyltransferase (GNAT) family protein
13457347	6.2	6.07	1.09	0.681409	0.788759	AT3G48060	BAH and TFIIS domain-containing protein
13510747	6.2	6.08	1.09	0.797327	0.869615	NPR3	NPR1-like protein 3
13501533	6.2	6.09	1.08	0.757321	0.841131	AT5G14710	proteasome assembly chaperone 3
13427699	6.2	6.11	1.07	0.711377	0.810027	AGP12	arabinogalactan protein 12
13366302	6.2	6.13	1.05	0.742416	0.830899	AT1G10690	hypothetical protein
13534191	6.2	6.17	1.02	0.941187	0.964738	UBC4	ubiquitin-conjugating enzyme E2 4
13419325	6.2	6.18	1.01	0.975718	0.985475	AT2G40260	myb family transcription factor
13531887	6.2	6.26	-1.04	0.862698	0.914495	GME	GDP-mannose 3,5-epimerase
13462913	6.2	6.32	-1.09	0.131722	0.46184	ATG6	Beclin-1-like protein
13516396	6.2	6.44	-1.19	0.582779	0.722139	AT5G57950	26S proteasome non-ATPase regulatory subunit 9
13514954	6.2	6.52	-1.25	0.61146	0.740943	PBP1	pinoid-binding protein 1

13468904	6.2	6.59	-1.31	0.286926	0.557153	PDR2	ABC transporter G family member 30
13411207	6.2	6.89	-1.61	0.000662	0.21027	AT2G21100	disease resistance-responsive, dirigent domain-containing protein
13354564	6.2	6.9	-1.63	0.200464	0.509842	KNAT7	homeobox protein knotted-1-like 7
13544849	6.2	7.15	-1.92	0.535122	0.689242		
13465885	6.2	7.19	-1.98	0.075568	0.410503	NDB2	NAD(P)H dehydrogenase B2
13341525	6.2	7.25	-2.08	0.00225	0.253459	AT1G17745; AT1G17744	D-3-phosphoglycerate dehydrogenase; hypothetical protein
13505572	6.19	4.67	2.86	0.017296	0.319147	AT5G25250	Flotillin-like protein 1
13544211	6.19	4.96	2.36	0.0695	0.406403	AT5G66290; GMD1	hypothetical protein; GDP-mannose 4,6 dehydratase 1
13488176	6.19	5.13	2.09	0.024939	0.33454	AT4G22770	AT hook motif DNA-binding family protein
13519872	6.19	5.21	1.97	0.166233	0.486308	AT5G65760	Serine carboxypeptidase S28 family protein
13399279	6.19	5.29	1.87	0.1858	0.500307	CPUORF7	hypothetical protein
13479756	6.19	5.34	1.8	0.1093	0.440715	AT4G39870	TLD-domain containing nucleolar protein
13351005	6.19	5.36	1.77	0.129344	0.459395	IAR3	IAA-amino acid hydrolase ILR1-like 4
13367799	6.19	5.37	1.77	0.153512	0.476473	UTR3; FLP	UDP-galactose transporter 3; FOUR LIPS transcription factor R2R3-MYB
13399327	6.19	5.36	1.77	0.229448	0.526986	GLX2-5	Hydroxyacylglutathione hydrolase 2
13390972	6.19	5.37	1.76	0.191351	0.504418	IQD29	protein IQ-domain 29
13348073	6.19	5.39	1.74	0.190783	0.50408	AT1G35510	O-fucosyltransferase-like protein
13424773	6.19	5.41	1.72	0.156333	0.479039	SYP43	syntaxin-43
13515607	6.19	5.47	1.65	0.02644	0.338646	COX15	cytochrome c oxidase subunit XV assembly protein
13384297	6.19	5.47	1.65	0.22136	0.522603	SWEETIE	HEAT repeat-containing protein
13355960	6.19	5.48	1.63	0.01043	0.296271	AT1G66880	protein kinase domain-containing protein
13512853	6.19	5.52	1.6	0.241626	0.53362	AT5G49880	mitotic spindle assembly checkpoint protein MAD1
13502537	6.19	5.64	1.46	0.31802	0.569548	ARFB1B	ADP-ribosylation factor B1B
13498556	6.19	5.71	1.39	0.361188	0.5879	OBF5	transcription factor TGA5
13439228	6.19	5.75	1.36	0.448897	0.635124	FIP37	FKBP12 interacting protein 37
13388974	6.19	5.75	1.35	0.035816	0.356829	SPS1	solanesyl diphosphate synthase 1
13390665	6.19	5.77	1.34	0.340996	0.578438	SOS1	sodium/hydrogen exchanger 7
13416832	6.19	5.8	1.31	0.567797	0.711138	AT2G34590	pyruvate dehydrogenase E1 component subunit beta
13515407	6.19	5.84	1.27	0.405769	0.609101	AT5G55610	hypothetical protein
13527535	6.19	5.85	1.26	0.223778	0.524399	TFL2	chromo domain-containing protein LHP1
13454652	6.19	5.91	1.22	0.483962	0.654233	AT3G27930	hypothetical protein
13532271	6.19	5.92	1.21	0.353641	0.583778	AT5G35570	O-fucosyltransferase family protein
13536773	6.19	5.94	1.19	0.49973	0.664919	GFA2	gametophytic factor 2
13395215	6.19	5.99	1.15	0.664376	0.777094	PSB29	protein THYLAKOID FORMATION 1
13342873	6.19	6.08	1.08	0.610982	0.740489	SEC5B	Exocyst complex component SEC5
13376905	6.19	6.1	1.06	0.802638	0.872677	GCR1	G-protein-coupled receptor 1
13450351	6.19	6.15	1.03	0.737044	0.827712	COBL8; RR1	COBRA-like protein 8; two-component response regulator ARR1
13538053	6.19	6.15	1.03	0.939052	0.963392	TIM8	mitochondrial import inner membrane translocase subunit Tim8
13479424	6.19	6.17	1.02	0.962502	0.977881	AT4G39160	DNA binding / transcription factor
13396714	6.19	6.17	1.01	0.864839	0.91568	AT2G24590	RNA recognition motif and CCHC-type zinc finger domain-containing protein

13363159	6.19	6.2	-1.01	0.966385	0.980309	AT1G04340	HR-like lesion-inducing protein-like protein
13428820	6.19	6.22	-1.02	0.942646	0.965716	MBD11	methyl-CPG-binding domain 11
13337442	6.19	6.31	-1.09	0.334081	0.576298	SIG2	RNApolymerase sigma subunit 2
13359689	6.19	6.37	-1.13	0.457117	0.639333	AT1G76070	hypothetical protein
13335368	6.19	6.42	-1.18	0.858267	0.91149	AT4G03410	Peroxisomal membrane 22 kDa (Mpv17/PMP22) family protein
13504423	6.19	6.42	-1.18	0.858267	0.91149	AT4G03410	Peroxisomal membrane 22 kDa (Mpv17/PMP22) family protein
13540599	6.19	6.62	-1.34	0.390095	0.599985	CIPK21	CBL-interacting serine/threonine-protein kinase 21
13431020	6.19	6.69	-1.41	0.066429	0.403288	AT3G20380	TRAF-like family protein
13484339	6.18	4.71	2.76	0.010113	0.296261	XTH15	xyloglucan:xyloglucosyl transferase
13381606	6.18	4.98	2.29	0.079801	0.414251	AT1G60890	phosphatidylinositol-4-phosphate 5-kinase 8
13440042	6.18	5.06	2.17	0.033522	0.354018	SZF1	zinc finger CCCH domain-containing protein 47
13367037	6.18	5.09	2.12	0.182212	0.497223	ARK3	armadillo repeat-containing kinesin-like protein 3
13459017	6.18	5.13	2.07	0.229877	0.527363	AT3G52240	hypothetical protein
13524609	6.18	5.22	1.94	0.044623	0.374597	AT5G10940	WD and tetratricopeptide repeats protein 1
13481066	6.18	5.24	1.92	0.236456	0.530655	AT4G02710; SULTR3;2	kinase interacting-like protein; sulfate transporter 3.2
13403187	6.18	5.26	1.9	0.175387	0.492269	AT2G40316	hypothetical protein
13422583	6.18	5.27	1.88	0.023269	0.330182	DEGP2	protease Do-like 2
13497500	6.18	5.28	1.87	0.03483	0.355472	PDK1	3'-phosphoinositide-dependent protein kinase 1
13415089	6.18	5.35	1.77	0.155026	0.477992	AT2G30710	RabGAP/TBC domain-containing protein
13534157	6.18	5.39	1.72	0.299271	0.562613	GSTT2	glutathione S-transferase THETA 2
13536105	6.18	5.47	1.63	0.091967	0.429467	AT5G46190	RNA-binding KH domain-containing protein
13515307	6.18	5.63	1.46	0.062395	0.398248	MAP65-1	microtubule-associated proteins 65-1
13368748	6.18	5.66	1.44	0.343962	0.579276	ATKDSA2	2-dehydro-3-deoxyphosphooctonate aldolase (KDO 8-P synthase)
13540812	6.18	5.66	1.43	0.204165	0.511091	ROS3	RNA recognition motif-containing protein
13449638	6.18	5.67	1.42	0.408386	0.610666	AT3G15070	C3HC4-type RING finger protein
13336361	6.18	5.71	1.39	0.526557	0.683751	AT1G05910	cell division cycle protein 48-like protein
13360014	6.18	5.7	1.39	0.258593	0.541294	AT1G76920	SKP1-interacting partner 15
13365422	6.18	5.7	1.39	0.193504	0.505856	AT1G09060; GRF8	WRC, zf-4CXXC-R1 transcription factor and jumonji domain-containing protein; 14-3-3-like protein GF14 kappa
13401477	6.18	5.71	1.39	0.299832	0.56286	AT2G36340	DNA-binding storekeeper protein-related transcriptional regulator
13455067	6.18	5.71	1.38	0.083319	0.417856	KIN11	SNF1-related protein kinase catalytic subunit alpha KIN11
13484457	6.18	5.71	1.38	0.150728	0.473528	AT4G14290	esterase/lipase domain-containing protein
13459759	6.18	5.74	1.36	0.409277	0.610961	AT3G54130	Ataxin-3 like protein
13438966	6.18	5.75	1.34	0.217765	0.520626	AT3G53490	hypothetical protein
13374250	6.18	5.8	1.3	0.21526	0.519459	AT1G30810; AT1G30800	transcription factor jumonji and C5HC2 type zinc finger domain-containing protein; Fasciclin-like arabinogalactan family protein
13421327	6.18	5.8	1.3	0.334712	0.576654	AT2G44730	Alcohol dehydrogenase transcription factor myb/SANT-like protein

13386034	6.18	5.84	1.27	0.458741	0.640177	AT1G71350	eukaryotic translation initiation factor SUI1-like protein
13417776	6.18	5.83	1.27	0.323231	0.572423	SWC2	vacuolar protein sorting-associated protein 72
13456228	6.18	5.83	1.27	0.479213	0.651723	AT3G45090	2PGK 2-phosphoglycerate kinase
13502217	6.18	5.86	1.25	0.358924	0.585914	VAT1	protein valine-tolerant 1
13525864	6.18	5.89	1.22	0.241454	0.53362	AT5G13950	hypothetical protein
13354221	6.18	5.93	1.19	0.16389	0.485532	AT1G61850	galactolipase/ phospholipase
13503545	6.18	5.94	1.18	0.330548	0.575715	AT5G19480	hypothetical protein
13356901	6.18	5.98	1.15	0.230561	0.527676	AT1G69250	nuclear transport factor 2 and RNA recognition motif-containing protein
13540244	6.18	5.97	1.15	0.092227	0.429646	emb1789	zinc finger CCCH domain-containing protein 65
13525034	6.18	5.99	1.14	0.005849	0.279573	AT5G11980	conserved oligomeric Golgi complex component-related protein
13437226	6.18	6.06	1.09	0.356477	0.584728	AT3G48880	F-box/LRR-repeat protein
13527761	6.18	6.11	1.05	0.699699	0.802419	APY2	nucleoside-triphosphatase
13500071	6.18	6.14	1.03	0.736687	0.827668	AT5G10750	hypothetical protein
13501863	6.18	6.17	1.01	0.969053	0.982005	AT5G15570	Bromodomain transcription factor
13497204	6.18	6.21	-1.02	0.896977	0.936559	AT5G03905	Iron-sulfur assembly protein IscA-like 2
13482544	6.18	6.22	-1.03	0.87413	0.92218	AT4G09670	uncharacterized oxidoreductase
13508836	6.18	6.26	-1.06	0.78983	0.863966	SDH2-2	succinate dehydrogenase [ubiquinone] iron-sulfur subunit 2
13475250	6.18	6.37	-1.14	0.672635	0.782942	PRMT11	protein arginine N-methyltransferase 1
13369336	6.18	6.39	-1.16	0.418053	0.61632	CSTF77	tetratricopeptide repeat-containing protein
13441771	6.18	6.4	-1.16	0.109316	0.440715	AT3G60440	phosphoglycerate mutase-like protein
13491976	6.18	6.41	-1.17	0.225303	0.524988	AT4G31460	Ribosomal L28 family
13496563	6.18	6.45	-1.21	0.149153	0.471967	AT5G02420	hypothetical protein
13440782	6.18	6.61	-1.35	0.45459	0.638034	AT3G57950	hypothetical protein
13523863	6.18	6.81	-1.55	0.173607	0.490872	AT5G09480	hydroxyproline-rich glycoprotein family protein
13411840	6.18	7.01	-1.78	0.166771	0.486825	SNRK2.9	serine/threonine-protein kinase SRK2J
13432310	6.17	4.65	2.88	0.054297	0.385747	AT3G23510	Cyclopropane-fatty-acyl-phospholipid synthase
13367587	6.17	4.71	2.75	0.003046	0.253459	AT1G13640	phosphatidylinositol 3- and 4-kinase-like protein
13405714	6.17	4.84	2.51	0.103446	0.436198	AT2G46260	BTB/POZ/Kelch-associated protein
13535156	6.17	5.12	2.07	0.102842	0.435908	AT5G43910	pfkB-like carbohydrate kinase family protein
13515386	6.17	5.15	2.03	0.017052	0.319147	AT5G55530	calcium-dependent lipid-binding domain-containing protein
13404378	6.17	5.25	1.89	0.151506	0.473884	AT2G43120	pirin-like protein
13380425	6.17	5.27	1.86	0.120666	0.452158	AT1G56440	tetratricopeptide repeat domain-containing protein
13442311	6.17	5.31	1.81	0.114071	0.445215	AT3G61540; PANB2	peptidase family protein; Phosphoenolpyruvate carboxylase family protein
13489109	6.17	5.32	1.8	0.063973	0.400418	RBP31	ribonucleoprotein
13400879	6.17	5.35	1.77	0.103877	0.436377	GlcNA.1UT2	putative UDP-N-acetylglucosamine pyrophosphorylase
13438866	6.17	5.44	1.66	0.20952	0.514853	AT3G53230	cell division control protein 48-D

13459866	6.17	5.44	1.65	0.229538	0.527103	AT3G54360	zinc ion binding protein
13367133	6.17	5.46	1.64	0.213263	0.518061	PEPKR2	serine/threonine-protein kinase PEPKR2
13418046	6.17	5.5	1.59	0.05943	0.39495	AT2G37200	hypothetical protein
13441308	6.17	5.51	1.58	0.206523	0.513175	GCN2	non-specific serine/threonine protein kinase
13474332	6.17	5.52	1.57	0.005122	0.270635	CYP709B3	cytochrome P450, family 709, subfamily B, polypeptide 3
13400253	6.17	5.51	1.57	0.129765	0.459766	AT2G33440	RNA recognition motif-containing protein
13527512	6.17	5.52	1.57	0.140609	0.46711	AT5G17640	hypothetical protein
13423466	6.17	5.54	1.55	0.410258	0.611674	AT3G02740	aspartyl protease-like protein
13415569	6.17	5.56	1.53	0.255781	0.540325	AT2G31740	S-adenosylmethionine-dependent methyltransferase domain-containing protein
13445635	6.17	5.57	1.52	0.022198	0.326278	AT3G06590	transcription factor bHLH148
13422378	6.17	5.58	1.5	0.213646	0.518171	AT2G47250	putative pre-mRNA-splicing factor ATP-dependent RNA helicase
13499807	6.17	5.59	1.5	0.05142	0.382129	AT5G10020	putative inactive receptor kinase
13544326	6.17	5.59	1.5	0.342874	0.579024	AT5G66480	hypothetical protein
13535804	6.17	5.62	1.46	0.317123	0.568725	AT5G45410	hypothetical protein
13355717	6.17	5.64	1.44	0.41247	0.61329	CMPG1	U-box domain-containing protein 20
13523723	6.17	5.65	1.43	0.47369	0.648287	ATAF2; AT5G08780	protein ATAF2; winged-helix DNA-binding transcription factor family protein
13506748	6.17	5.68	1.4	0.302377	0.563905	AT5G27970	armadillo/beta-catenin-like repeat-containing protein
13364308	6.17	5.69	1.39	0.059112	0.394681	AT1G06700	protein kinase domain-containing protein
13352765	6.17	5.71	1.38	0.019532	0.322337	AT1G56000; NAC1	FAD/NAD(P)-binding oxidoreductase domain-containing protein; NAC domain-containing protein 21/22
13459736	6.17	5.7	1.38	0.033944	0.354092	AT3G54085; AT3G54080	Yos1-like protein; Concanavalin A-like lectin family protein
13544106	6.17	5.74	1.35	0.01407	0.312248	AKRP	ankyrin repeat domain-containing protein
13406021	6.17	5.75	1.34	0.197801	0.507784	AT2G46930	pectinacetylesterase-like protein
13369855	6.17	5.76	1.33	0.367249	0.590549	IQD30	protein IQ-domain 30
13495334	6.17	5.77	1.32	0.283853	0.556054	AT4G38640	Plasma-membrane choline transporter family protein
13496378	6.17	5.77	1.32	0.25816	0.541251	PRA1.A1	PRA1-like protein A1
13504035	6.17	5.79	1.3	0.339602	0.577996	AT5G20610	hypothetical protein
13435873	6.17	5.84	1.26	0.267851	0.546492	AT3G45740	haloacid dehalogenase-like hydrolase-like protein
13437465	6.17	5.86	1.23	0.605863	0.736628	AT3G49560	Mitochondrial import inner membrane translocase subunit Tim17/Tim22/Tim23 family protein
13438753	6.17	5.9	1.2	0.293316	0.559559	SRPK4	ser/arg-rich protein kinase 4
13434347	6.17	5.92	1.19	0.452465	0.636679	AT3G28670	oxidoreductase, zinc-binding dehydrogenase family protein
13492966	6.17	5.93	1.18	0.431762	0.624263	AT4G33350	Tic22-like protein
13381586	6.17	5.97	1.15	0.640874	0.76056	AGD2	ADP-ribosylation factor GTPase-activating protein AGD2
13520326	6.17	6.05	1.09	0.683428	0.790387	AT5G66810	hypothetical protein
13462505	6.17	6.08	1.06	0.883574	0.928949	AT3G60520	hypothetical protein
13445510	6.17	6.1	1.05	0.710874	0.809866	AT3G06410	zinc finger CCCH domain-containing protein 34

13438610	6.17	6.32	-1.11	0.102728	0.435908	AT3G52660	RNA recognition motif-containing protein
13465551	6.17	6.34	-1.13	0.595343	0.730142	PUX4	UBX domain containing protein 4
13498385	6.17	6.42	-1.19	0.279338	0.553724	FLA17	fasciclin-like arabinogalactan protein 17
13406675	6.17	6.47	-1.23	0.105136	0.43719	BAT1	bidirectional amino acid transporter 1
13533052	6.17	6.81	-1.56	0.089369	0.426265	AT5G37690	GDSL esterase/lipase
13456911	6.17	7.3	-2.2	0.017294	0.319147	DUT1	dUTP pyrophosphatase
13378298	6.16	4.29	3.65	0.028173	0.345227	AT1G51790	leucine-rich repeat protein kinase-like protein
13451197	6.16	4.44	3.3	0.000123	0.167225	AT3G19200	hypothetical protein
13421150	6.16	4.44	3.3	0.077729	0.412995	MAP2A	methionine aminopeptidase 2A
13475813	6.16	4.74	2.67	0.02804	0.34467	AT4G31000	Calmodulin-binding protein
13359998	6.16	5.01	2.21	0.010354	0.296261	GT2	SANT DNA-binding domain-containing protein
13465157	6.16	5.08	2.11	0.030907	0.351017	AT4G02920	hypothetical protein
13448905	6.16	5.34	1.77	0.088034	0.424258	AT3G13350	high mobility group-box and ARID domain-binding domain-containing protein
13504350	6.16	5.35	1.76	0.10436	0.4366	AT5G22050	protein kinase family protein
13335390	6.16	5.36	1.75	0.022918	0.329835	AT1G03687	DTW domain-containing protein
13517799	6.16	5.36	1.74	0.126361	0.455512	AT5G61190	putative endonuclease or glycosyl hydrolase with C2H2-type zinc finger domain
13474355	6.16	5.51	1.57	0.244955	0.535223	AT4G27745	yippee-like protein
13421551	6.16	5.55	1.52	0.191044	0.504305	AT2G45380	hypothetical protein
13523320	6.16	5.56	1.52	0.207235	0.513526	AT5G07950; AT5G07940	hypothetical protein
13372610	6.16	5.56	1.51	0.341464	0.578648	AT1G26370	helicase associated domain-containing protein
13527242	6.16	5.57	1.5	0.05209	0.382443	AT5G17070	hypothetical protein
13355157	6.16	5.58	1.49	0.225966	0.524988		
13456436	6.16	5.67	1.41	0.346351	0.58045	AT3G45630	CCR4-NOT transcription complex subunit 4
13346649	6.16	5.68	1.4	0.164585	0.485865	AT3G47965	hypothetical protein
13464958	6.16	5.67	1.4	0.313648	0.568024	TOC159	translocase of chloroplast 159
13540929	6.16	5.67	1.4	0.329237	0.574796	AT5G58510	hypothetical protein
13490091	6.16	5.75	1.34	0.553477	0.701834	AT4G26860	putative pyridoxal phosphate-dependent enzyme, YBL036C type
13351455	6.16	5.79	1.29	0.452616	0.636679	AT1G53050	protein kinase-like protein
13380322	6.16	5.79	1.29	0.441316	0.630118	AT1G56230	hypothetical protein
13468720	6.16	5.8	1.29	0.30203	0.563867	MAPR4	membrane-associated progesterone binding protein 4
13400645	6.16	5.84	1.25	0.192681	0.505579	AT2G34410	O-acetyltransferase-like protein
13488084	6.16	5.88	1.22	0.5149	0.67545	ORP2A	OSBP(oxysterol binding protein)-related protein 2A
13360411	6.16	5.88	1.21	0.511624	0.673285	AT1G77920	transcription factor TGA7
13479082	6.16	5.89	1.21	0.128567	0.458836	AT4G38280; AT4G38290	hypothetical protein; hemolysin-III related integral membrane protein
13482195	6.16	5.93	1.17	0.439663	0.629464	AT4G08310	hypothetical protein
13387604	6.16	5.95	1.16	0.298161	0.562461	AT1G75200	tRNA wybutosine-synthesizing protein 1-like protein
13338348	6.16	5.96	1.15	0.460137	0.641292	ZFP5	zinc finger protein 5
13545235	6.16	6	1.12	0.81304	0.880537	ArthMp004; ArthMp005	hypothetical protein

13351779	6.16	6.01	1.11	0.699804	0.802476	CYP59	cyclophilin 59
13343442	6.16	6.04	1.08	0.302065	0.563867	AT1G22660	polynucleotide adenylyltransferase-like protein
13391721	6.16	6.05	1.08	0.350819	0.582019	AT2G04865	Aminotransferase-like, plant mobile domain family protein
13493131	6.16	6.06	1.07	0.84089	0.899721	AGD2	LL-diaminopimelate aminotransferase
13363593	6.16	6.07	1.06	0.667377	0.779003	AT1G05120	Helicase protein with RING/U-box domain
13480028	6.16	6.08	1.06	0.57287	0.714916	AT4G00420	Double-stranded RNA-binding domain (DsRBD)-containing protein
13492123	6.16	6.09	1.05	0.725721	0.820184	DBR1	Lariat debranching enzyme
13501905	6.16	6.1	1.04	0.843561	0.901298	AT5G15640	Mitochondrial substrate carrier family protein
13500125	6.16	6.12	1.03	0.674292	0.784257	AT5G11010	Pre-mRNA cleavage complex II protein family
13489150	6.16	6.18	-1.01	0.951926	0.971373	AT4G24830	argininosuccinate synthase
13377431	6.16	6.21	-1.04	0.775412	0.853792	AT1G49500	hypothetical protein
13504557	6.16	6.23	-1.05	0.80995	0.878222	emb1211	MORN (Membrane Occupation and Recognition Nexus) repeat-containing protein
13388299	6.16	6.24	-1.06	0.643972	0.76277	AT1G76880	putative trihelix DNA-binding protein
13423587	6.16	6.29	-1.09	0.626836	0.751167	CSLD3	cellulose synthase-like protein D3
13538667	6.16	6.39	-1.17	0.329391	0.574855	AT5G52430; AT5G52420	hydroxyproline-rich glycoprotein family protein; hypothetical protein
13405932	6.16	6.44	-1.22	0.339226	0.577906	AT2G46780	RNA-binding (RRM/RBD/RNP motifs) family protein
13392711	6.16	6.55	-1.31	0.674303	0.784257		
13471218	6.16	6.59	-1.34	0.254089	0.539615	AT4G20390	hypothetical protein
13358232	6.16	7	-1.79	0.00443	0.262292	AT1G72180	leucine-rich receptor-like protein kinase
13525651	6.16	7.19	-2.04	0.13242	0.462428	SULTR4;1	sulfate transporter 4.1
13522070	6.16	7.3	-2.21	0.434234	0.626	AT5G04790	hypothetical protein
13505949	6.16	7.8	-3.11	0.030796	0.350366	AT5G26290	TRAF-like family protein
13337770	6.15	4.66	2.81	0.025114	0.334806	AMI1	amidase 1
13530821	6.15	4.78	2.57	0.00773	0.290374	EBF2; AT5G25340	EIN3-binding F-box protein 2; ubiquitin-like domain-containing protein-like protein
13498466	6.15	5.06	2.13	0.202995	0.510604	AT5G06740	concanavalin A-like lectin kinase-like protein
13516193	6.15	5.21	1.92	0.052045	0.382443	AT5G57340	hypothetical protein
13444790	6.15	5.24	1.87	0.102928	0.435908	HST	protein HASTY
13339797	6.15	5.3	1.79	0.298681	0.562461	AT1G13880	ELM2 domain-containing protein
13489915	6.15	5.31	1.79	0.164506	0.485853	AT4G26550	Got1/Sft2-like vescicle transport protein
13417383	6.15	5.38	1.7	0.063979	0.400418	scpl26	serine carboxypeptidase-like 26
13486993	6.15	5.5	1.57	0.479921	0.652001	NPR4	NPR1-like protein 4
13411121	6.15	5.57	1.5	0.069431	0.406403	SRF1	strubbelig-receptor family 1 protein
13467712	6.15	5.56	1.5	0.249669	0.537218	AT4G12040	zinc finger A20 and AN1 domain-containing stress-associated protein 7
13519658	6.15	5.6	1.47	0.24686	0.535608	AT5G65290	LMBR1-like membrane protein
13433806	6.15	5.63	1.43	0.316808	0.568567	GHS1	ribosomal protein S21 family protein
13357981	6.15	5.72	1.35	0.343171	0.579024	CSTF64	cleavage stimulating factor 64
13460972	6.15	5.72	1.35	0.263426	0.544432	EDA7	embryo sac development arrest 7 protein
13491377	6.15	5.72	1.35	0.291148	0.559042	AT4G30060	Core-2/I-branching beta-1,6-N-acetylglucosaminyltransferase family protein

13533263	6.15	5.72	1.35	0.286928	0.557153	AT5G38460	alpha-1,3-glucosyltransferase
13418603	6.15	5.75	1.33	0.255824	0.540325	AT2G38610	RNA-binding KH domain-containing protein
13347660	6.15	5.8	1.28	0.131734	0.46184	IP5PI	Type I inositol-1,4,5-trisphosphate 5-phosphatase 1
13524835	6.15	5.79	1.28	0.155411	0.47818	AT5G11480	putative GTP-binding protein
13469655	6.15	5.8	1.27	0.067565	0.405582	AT4G16695	hypothetical protein
13348659	6.15	5.82	1.26	0.51281	0.674132	AT1G43690	ubiquitin interaction motif-containing protein
13476521	6.15	5.82	1.26	0.215229	0.519459	SHS1	Mitochondrial substrate carrier family protein
13418683	6.15	5.85	1.23	0.333582	0.576298	AT2G38730	peptidyl-prolyl isomerase H (cyclophilin H)
13376345	6.15	5.93	1.17	0.467757	0.645358	AT1G44790; AT1G44780	cation transport protein ChaC; hypothetical protein
13378829	6.15	5.96	1.15	0.66126	0.775368	AT1G52825	hypothetical protein
13531188	6.15	6.02	1.1	0.644344	0.763127	AT5G26330	plastocyanin-like domain-containing protein / putative mavicyanin
13352425	6.15	6.02	1.09	0.31313	0.567941	PRA7	PRA1 family protein F2
13532356	6.15	6.02	1.09	0.846752	0.90332	FIM2	fimbrin-like protein 2
13457192	6.15	6.07	1.05	0.473037	0.648252	AT3G47680; AT3G47675	DNA binding protein; hypothetical protein
13356866	6.15	6.12	1.02	0.897478	0.936817	AT1G69060	chaperone DnaJ-domain containing protein
13409618	6.15	6.12	1.02	0.933471	0.959728	AT2G17340	hypothetical protein
13470611	6.15	6.13	1.01	0.973834	0.984826	AT4G18950	Integrin-linked protein kinase family protein
13485308	6.15	6.32	-1.13	0.590956	0.727258	ECHIA	enoyl-CoA hydratase
13542511	6.15	6.45	-1.23	0.442686	0.631055	AT5G62440	hypothetical protein
13419473	6.15	6.46	-1.24	0.050252	0.380289	AT2G40620	bZIP transcription factor-like protein
13369913	6.15	6.51	-1.28	0.414246	0.614187	ARR7	two-component response regulator ARR7
13511841	6.15	6.51	-1.29	0.539315	0.691974	AT5G47740; D6PKL2	N-terminal domain of eukaryotic serine threonine kinase-containing protein; protein-serine/threonine kinase
13450762	6.15	6.64	-1.41	0.533997	0.688402	RACK1C_AT	receptor for activated C kinase 1C
13503613	6.15	6.81	-1.58	0.330098	0.575506	AT5G19570	hypothetical protein
13545711	6.15	6.88	-1.65	0.204046	0.511039	AT1G32290	hypothetical protein
13465166	6.15	7.05	-1.86	0.079452	0.414177	AT4G02940	oxidoreductase, 2OG-Fe(II) oxygenase family protein
13459897	6.15	7.22	-2.1	0.035735	0.356434	AT3G54400	aspartyl protease family protein
13434345	6.14	4.29	3.61	0.046041	0.376853	AT3G28650	cysteine/histidine-rich C1 domain-containing protein
13416552	6.14	4.6	2.92	0.013852	0.310787	ETT	auxin response factor 3
13419341	6.14	5.15	1.99	0.168346	0.487177	AT2G40280	putative methyltransferase PMT23
13439280	6.14	5.28	1.82	0.281649	0.554816	RGD3	TATA box binding protein associated factor-like protein
13523801	6.14	5.29	1.8	0.407828	0.610439		
13342600	6.14	5.36	1.72	0.076046	0.410503	AT1G20460	hypothetical protein
13437209	6.14	5.35	1.72	0.092954	0.429815	AT3G48860	hypothetical protein
13540434	6.14	5.48	1.58	0.062042	0.398248	AT5G57300; AT5G57310	ubiquinone biosynthesis methyltransferase COQ5; hypothetical protein
13446383	6.14	5.5	1.57	0.2882	0.557599	AT3G08020	PHD finger-containing protein
13543381	6.14	5.49	1.56	0.007146	0.287967	AT5G64460	phosphoglycerate mutase-like protein
13491206	6.14	5.56	1.49	0.244088	0.534773	AT4G29735	hypothetical protein

13469510	6.14	5.69	1.37	0.141309	0.467756	AT4G16360	SNF1-related protein kinase regulatory subunit beta-2
13459106	6.14	5.7	1.35	0.266392	0.546291	AT3G52490	heat shock protein-like protein
13409817	6.14	5.73	1.33	0.033772	0.354018	ERD7	senescence/dehydration related protein
13525201	6.14	5.73	1.32	0.099396	0.434076	AT5G12310	RING/U-box domain-containing protein
13398091	6.14	5.75	1.31	0.022635	0.328244	FRU	FER-LIKE IRON DEFICIENCY-INDUCED transcription factor
13374904	6.14	5.83	1.24	0.035639	0.356207	NAP6	protein ABCI7
13460883	6.14	5.87	1.21	0.422852	0.618789	AT3G56760	protein kinase-domain containing protein
13534783	6.14	5.87	1.21	0.557885	0.704524	RPT4A	regulatory particle triple-A ATPase 4A
13421473	6.14	5.92	1.16	0.334815	0.576654	SEC61 BETA	protein transport protein sec61 subunit beta
13421436	6.14	5.94	1.15	0.01019	0.296261	AT2G44980	SNF2 and helicase domain-containing protein
13410699	6.14	5.94	1.15	0.520388	0.679097	LCV1	protein like COV 1
13528462	6.14	5.94	1.14	0.302992	0.564046	MED31	mediator of RNA polymerase II transcription subunit 31
13334745	6.14	6.15	-1.01	0.959172	0.975868	ALG12	alpha-1,6-mannosyltransferase
13456162	6.14	6.16	-1.02	0.972446	0.984036	AT3G44850	serine/threonine kinase 23
13380810	6.14	6.21	-1.05	0.468085	0.645611	MSL3	MSCS-like 3
13451932	6.14	6.27	-1.09	0.647677	0.765537	TOP6B	DNA topoisomerase 6 subunit B
13395315	6.14	6.28	-1.1	0.566607	0.710757	XCT	protein XAP5 CIRCADIAN TIMEKEEper
13492439	6.14	6.31	-1.13	0.23332	0.529159	AT4G32420	peptidylprolyl isomerase
13487616	6.14	6.43	-1.22	0.570954	0.713113	AT4G21570	hypothetical protein
13518856	6.14	6.66	-1.43	0.234431	0.529661	AT5G63710	Leucine-rich repeat protein kinase family protein
13437355	6.14	6.76	-1.53	0.017268	0.319147	AT3G49220	pectinesterase
13458579	6.14	6.78	-1.56	0.086087	0.421381	MUR1	GDP-mannose 4,6 dehydratase 2
13515266	6.14	7.05	-1.88	0.059205	0.394924	AT5G55180	O-Glycosyl hydrolases family 17 protein
13350088	6.14	7.17	-2.04	0.095721	0.431773	ABF1	abscisic acid-insensitive 5-like protein 4
13470089	6.13	3.03	8.57	0.015928	0.315398		
13457352	6.13	4.88	2.38	0.016296	0.315398	AT3G48080	lipase class 3 family protein / disease resistance protein-related protein
13507625	6.13	5.01	2.17	0.104631	0.437012	ARF8	auxin response factor 8
13421314	6.13	5.08	2.06	0.059551	0.395062	AT2G44660	alpha-1,3-glucosyltransferase
13438152	6.13	5.18	1.93	0.233893	0.529404	AT3G51620	NT domain of poly(A) polymerase and terminal uridylyl transferase-containing protein
13464045	6.13	5.31	1.76	0.063475	0.399503	FRI	FRIGIDA-like protein
13479132	6.13	5.35	1.72	0.004264	0.262292	AT4G38410	putative dehydrin
13475827	6.13	5.35	1.72	0.059461	0.39495	AT4G31010	CRS2-associated factor 1
13376918	6.13	5.38	1.69	0.241123	0.53348	CHR18	chromatin remodeling factor18
13365589	6.13	5.39	1.67	0.01024	0.296261	AT1G09280; IMPA-4	hypothetical protein; importin alpha isoform 4
13429092	6.13	5.41	1.65	0.099672	0.434356	AT3G16350	myb family transcription factor
13482700	6.13	5.41	1.65	0.062688	0.398459	AT4G10070	KH domain-containing protein
13349458	6.13	5.48	1.56	0.180686	0.496161	AT1G48140	dolichyl-phosphate mannosyltransferase polypeptide 3
13376506	6.13	5.52	1.53	0.190228	0.503959	AT1G45332	Elongation factor G

13542724	6.13	5.54	1.51	0.355996	0.584638	AT5G63000	Mitochondrial import inner membrane translocase subunit Tim17/Tim22/Tim23 family protein
13360104	6.13	5.61	1.43	0.35432	0.5843	AT1G77220	hypothetical protein
13476531	6.13	5.62	1.43	0.414095	0.614187	AT4G32440	tudor-like RNA-binding protein
13390334	6.13	5.65	1.39	0.109686	0.440987	AT2G01100	hypothetical protein
13409133	6.13	5.65	1.39	0.245335	0.535223	AT2G15910	CSL zinc finger domain-containing protein
13412540	6.13	5.65	1.39	0.23483	0.529692		
13359555	6.13	5.68	1.37	0.249029	0.536662	AT1G75810	hypothetical protein
13355199	6.13	5.68	1.36	0.26214	0.543595	WNK10; CPuORF57	putative serine/threonine-protein kinase WNK10; conserved peptide upstream open reading frame 57
13467377	6.13	5.68	1.36	0.511987	0.673525	ACS6	1-aminocyclopropane-1-carboxylate synthase 6
13405743	6.13	5.69	1.35	0.066363	0.403288	CRF5	ethylene-responsive transcription factor CRF5
13537017	6.13	5.81	1.25	0.297451	0.56231	AT5G48540	cysteine-rich repeat secretory protein 55
13440100	6.13	5.84	1.22	0.622503	0.748423	CAN	Ca-2+ dependent nuclease
13388021	6.13	5.85	1.21	0.472313	0.64795	AT1G76270	O-fucosyltransferase-like protein
13500758	6.13	5.92	1.16	0.587106	0.72546	AT5G12850	zinc finger CCCH domain-containing protein 56
13346023	6.13	5.96	1.13	0.169206	0.487689	AT1G29890	O-acetyltransferase-like protein
13429003	6.13	5.97	1.12	0.61476	0.74324	AT3G16230	putative eukaryotic LigT protein
13427154	6.13	6	1.09	0.458791	0.640177	AT3G12180	protein cornichon-1
13444774	6.13	6.01	1.09	0.515607	0.675696	NHX2	sodium/hydrogen exchanger 2
13384748	6.13	6.03	1.08	0.678038	0.786827	AT1G67930	Golgi transport complex-related protein
13358186	6.13	6.12	1.01	0.945933	0.967563	AT1G72120	putative peptide/nitrate transporter
13505237	6.13	6.12	1.01	0.97421	0.984938	SSI1	soluble starch synthase
13509941	6.13	6.11	1.01	0.934008	0.960073	AT5G43140	Peroxisomal membrane 22 kDa (Mpv17/PMP22) family protein
13462172	6.13	6.21	-1.06	0.840433	0.899502	AT3G59800	hypothetical protein
13359104	6.13	6.22	-1.07	0.718286	0.814843	AT1G74360	putative LRR receptor-like serine/threonine-protein kinase
13434583	6.13	6.23	-1.07	0.618145	0.745409	AT3G29320; AT3G29330	glycosyl transferase, family 35 protein; hypothetical protein
13403445	6.13	6.25	-1.09	0.718145	0.814811	DPE2	4-alpha-glucanotransferase
13373203	6.13	6.47	-1.26	0.383314	0.59757	AT1G28190	hypothetical protein
13457405	6.13	6.48	-1.28	0.33934	0.577996	AT3G48185	hypothetical protein
13391187	6.13	6.56	-1.35	0.364676	0.589444	AT2G03500	myb family transcription factor
13352743	6.13	6.73	-1.52	0.255722	0.540325	SERAT2;1	serine O-acetyltransferase
13388420	6.12	3.92	4.58	0.010897	0.297771	AT1G77145	hypothetical protein
13353275	6.12	4.19	3.81	0.00213	0.253459	RXF12	glycosyl hydrolase-like prottein 10
13438926	6.12	4.45	3.2	0.008113	0.291679	AT3G53400; CPuORF46	hypothetical protein; conserved peptide upstream open reading frame 46
13431928	6.12	4.52	3.04	0.059617	0.395062	RDM1	RNA-directed DNA methylation 1 protein
13445866	6.12	5.27	1.79	0.025416	0.335434	PDE320	protein pigment defective 320
13355051	6.12	5.29	1.79	0.219575	0.521561	AT1G64385	hypothetical protein
13427032	6.12	5.3	1.77	0.117617	0.447676	AT3G11960	Cleavage and polyadenylation specificity factor (CPSF) A subunit protein

13346048	6.12	5.46	1.58	0.199678	0.508999	AT1G29950; CPuORF35	transcription factor bHLH144; conserved peptide upstream open reading frame 34
13482430	6.12	5.46	1.58	0.131481	0.461561	MLH1	DNA mismatch repair protein MLH1
13377296	6.12	5.49	1.55	0.140266	0.466502	SCD1	stomatal cytokinesis defective / SCD1 protein (SCD1)
13478939	6.12	5.5	1.54	0.349062	0.581167	AT4G37880	LisH/CRA/RING-U-box domain-containing protein
13419711	6.12	5.53	1.51	0.246248	0.535608	AT2G41160	Ubiquitin-associated (UBA) protein
13440801	6.12	5.57	1.46	0.048456	0.37767	AT3G58020	DnaJ domain-containing protein
13536344	6.12	5.6	1.43	0.412329	0.61329	BOU	mitochondrial carnitine/acylcarnitine carrier-like protein
13473833	6.12	5.62	1.42	0.403573	0.60805	AT4G26450	hypothetical protein
13400018	6.12	5.64	1.39	0.069574	0.406403	AT2G32760	hypothetical protein
13437921	6.12	5.74	1.31	0.071209	0.408234	AT3G51110	Half-A-TPR repeat-containing protein
13530667	6.12	5.76	1.28	0.501336	0.665856	AT5G24890	hypothetical protein
13509725	6.12	5.8	1.24	0.329845	0.575261	AT5G42620	metalloendopeptidase
13397301	6.12	5.82	1.23	0.47639	0.650021	AT2G26200	S-adenosyl-L-methionine-dependent methyltransferase domain-containing protein
13451583	6.12	5.83	1.23	0.376576	0.593412	AT3G20015	aspartyl protease family protein
13490616	6.12	5.82	1.23	0.423294	0.619096	UBC9	SUMO-conjugating enzyme UBC9
13443147	6.12	5.83	1.22	0.405399	0.609069	AT3G01300	protein kinase domain-containing protein
13535194	6.12	5.84	1.21	0.007892	0.290374	AT5G44000	Glutathione S-transferase family protein
13411980	6.12	5.85	1.21	0.499488	0.664668	ICK1	cyclin-dependent kinase inhibitor 1
13366114	6.12	5.86	1.2	0.597998	0.731296	AT1G10350	putative DNAJ heat-shock protein
13452748	6.12	5.87	1.19	0.542978	0.69434	CML11	calmodulin-like protein 11
13387900	6.12	5.88	1.17	0.476745	0.650261	AT1G75990	26S proteasome regulatory subunit N3
13362683	6.12	5.91	1.16	0.346746	0.58045	AT1G03140	splicing factor Prp18-like protein
13438119	6.12	5.91	1.16	0.124739	0.453788	AT3G51500	hypothetical protein
13398911	6.12	5.96	1.12	0.41657	0.615562	AT2G30160	Mitochondrial substrate carrier family protein
13488644	6.12	5.96	1.12	0.422921	0.618789	AT4G23620; AT4G23610	ribosomal L25/TL5/CTC N-terminal 5S rRNA binding domain-containing protein; late embryogenesis abundant hydroxyproline-rich glycoprotein
13508617	6.12	5.98	1.11	0.447955	0.634642	AT5G40250	RING-H2 finger protein ATL46
13536443	6.12	5.97	1.11	0.466565	0.645004	CBL9	calcineurin B-like protein 9
13422520	6.12	5.98	1.1	0.000603	0.207323	ALG3	alpha-1,3-mannosyltransferase
13460503	6.12	6.14	-1.01	0.965631	0.979823	LAF3	amidohydrolase family protein
13412370	6.12	6.14	-1.02	0.821075	0.885593	NAC038	NAC domain containing protein 38
13530396	6.12	6.2	-1.06	0.594386	0.729438	AT5G24500	hypothetical protein
13517400	6.12	6.31	-1.14	0.811038	0.879001	AT5G60280	concanavalin A-like lectin kinase-like protein
13516559	6.12	6.42	-1.23	0.39014	0.600019	ECT10	evolutionarily conserved C-terminal region 10
13433665	6.12	6.53	-1.33	0.280704	0.554406	AT3G26730	RING/U-box domain-containing protein
13399225	6.12	6.56	-1.36	0.292878	0.559559	AT2G31090	hypothetical protein
13458981	6.12	6.6	-1.39	0.28145	0.554685	SEX4	dual specificity protein phosphatase (DsPTP1) family protein
13407517	6.12	6.64	-1.43	0.093046	0.429815	NRP1	nodulin-related protein 1
13478807	6.12	6.63	-1.43	0.299406	0.562613	AT4G37530	peroxidase 51
13382146	6.12	6.69	-1.49	0.161703	0.483523	AT1G62045	hypothetical protein

13344807	6.12	6.71	-1.51	0.061608	0.398106	AT1G26750; SDG35	hypothetical protein; SET domain protein 35
13464742	6.12	6.83	-1.64	0.070993	0.407839	AT4G02100	Heat shock protein DnaJ with tetratricopeptide repeat
13540213	6.12	6.89	-1.71	0.015585	0.315212	AT5G56890	protein kinase family protein
13360268	6.12	7.02	-1.87	0.041393	0.367619	AT1G77520	O-methyltransferase family protein
13425804	6.12	7.67	-2.93	0.002762	0.253459	AT3G08670	hypothetical protein
13460095	6.12	7.71	-3.01	0.018667	0.321499	AT3G54770	RNA recognition motif-containing protein
13366597	6.12	7.74	-3.07	0.011218	0.297771	BFN1	bifunctional nuclease i
13491495	6.12	8.46	-5.08	0.022907	0.329835	XTH24	xyloglucan:xyloglucosyl transferase
13390441	6.11	3.18	7.66	0.00101	0.238633		
13463869	6.11	3.97	4.42	0.000575	0.207323	XSP1	Xylem serine proteinase 1
13483617	6.11	4.1	4.04	0.249171	0.536784	pEARLI 1	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13472707	6.11	4.38	3.3	0.001679	0.250556	TRE1	trehalase 1
13416517	6.11	4.82	2.45	0.0871	0.422399	MBAC1	Mitochondrial substrate carrier family protein
13483360	6.11	5.09	2.03	0.186242	0.500504	PLDGAMMA1	phospholipase D gamma 1
13536814	6.11	5.17	1.91	0.335264	0.576654	AT5G48120	armadillo/beta-catenin-like repeats-containing protein
13353490	6.11	5.23	1.84	0.168112	0.487067	CW14	hypothetical protein
13394682	6.11	5.27	1.79	0.112581	0.443735	KEA4	K(+) efflux antiporter 4
13405837	6.11	5.27	1.79	0.228326	0.526027	OXA1L	inner membrane OXA1-like protein
13365110	6.11	5.28	1.78	0.00113	0.242634	AT1G08210	aspartyl protease-like protein
13454001	6.11	5.31	1.74	0.07236	0.408352	AT3G26670	hypothetical protein
13515752	6.11	5.35	1.69	0.116499	0.446833	AT5G56460	protein kinase family protein
13386720	6.11	5.44	1.59	0.283666	0.555903	AT1G73200	putative integral membrane protein
13396450	6.11	5.46	1.58	0.140599	0.46711	AT2G23890	HAD-superfamily hydrolase, subfamily IG, 5'-nucleotidase
13357304	6.11	5.49	1.54	0.14131	0.467756	AT1G70180	Sterile alpha motif (SAM) domain-containing protein
13504443	6.11	5.5	1.52	0.028178	0.345227	QQT1	putative purine nucleotide binding protein
13437007	6.11	5.51	1.52	0.295103	0.56088	AT3G48440	zinc finger CCCH domain-containing protein 43
13411516	6.11	5.59	1.44	0.184428	0.498967	SKIP6; SK1	F-box/kelch-repeat protein SKIP6; Shikimate kinase
13462375	6.11	5.6	1.42	0.22606	0.524988	DL1E	dynamin-related protein 1E
13463107	6.11	5.62	1.4	0.195134	0.506174	PIL2; AT3G62080	transcription factor PIF6; SNF7-like protein
13352391	6.11	5.65	1.38	0.079227	0.414078	AT1G55150	DEAD-box ATP-dependent RNA helicase 20
13370651	6.11	5.67	1.36	0.017571	0.319218	AT1G20880	RNA recognition motif-containing protein
13507286	6.11	5.71	1.33	0.557193	0.704047	AT5G35450	disease resistance RPP8-like protein 3
13428418	6.11	5.71	1.32	0.074773	0.410456	AT3G15010	RNA recognition motif-containing protein
13436143	6.11	5.71	1.32	0.111484	0.443023	AT3G46500	oxidoreductase, 2OG-Fe(II) oxygenase family protein
13483256	6.11	5.72	1.31	0.179009	0.494636	AT4G11670; AT-HSFB2B	hypothetical protein; heat stress transcription factor B-2b
13345748	6.11	5.75	1.28	0.197958	0.507882	ATS9	26S proteasome regulatory subunit N6
13342941	6.11	5.79	1.25	0.364862	0.589467	AT1G21370	hypothetical protein
13374377	6.11	5.8	1.25	0.182299	0.497343	HINT 2	histidine triad nucleotide-binding 2 protein
13450902	6.11	5.8	1.24	0.239973	0.53281	AT3G18535	tubulin-tyrosine ligase

13380669	6.11	5.9	1.16	0.527	0.684133	AT1G58025	DNA-binding bromodomain-containing protein
13496673	6.11	5.91	1.15	0.753857	0.838978	AT5G02690	hypothetical protein
13372415	6.11	5.92	1.14	0.656998	0.772575	AT1G25682	coiled-coil domain-containing protein 130
13498196	6.11	5.92	1.14	0.467728	0.645349	AT5G06050	putative methyltransferase PMT12
13409297	6.11	5.94	1.13	0.515276	0.675634	AT2G16460	hypothetical protein
13415416	6.11	5.95	1.11	0.115202	0.446247	AT2G31410	hypothetical protein
13466808	6.11	6.03	1.06	0.869552	0.9189	RABG3A	RAB GTPase homolog G3A
13450278	6.11	6.08	1.02	0.859862	0.912607	AT3G16690	nodulin MtN3-like protein
13410079	6.11	6.12	-1.01	0.980175	0.988256	AT2G18465	chaperone DnaJ-domain containing protein
13375629	6.11	6.25	-1.1	0.59414	0.729261	MLP165	MLP-like protein 165
13404737	6.11	6.26	-1.11	0.402415	0.607105	AT2G44130	F-box/kelch-repeat protein
13494725	6.11	6.27	-1.11	0.352976	0.583456	CYP81D4	cytochrome P450, family 81, subfamily D, polypeptide 4
13518326	6.11	6.7	-1.5	0.162893	0.484829	AT5G62350	invertase/pectin methylesterase inhibitor family protein / DC 1.2-like protein
13392990	6.11	7.19	-2.12	0.194476	0.505856	APK	Adenylyl-sulfate kinase 1
13392351	6.11	7.26	-2.22	0.490747	0.658793	AT2G07806	hypothetical protein
13478449	6.1	4.17	3.81	0.228316	0.526027	RL3	protein RAD-like 3
13419854	6.1	4.48	3.07	0.000949	0.237988	AT2G41550	Rho termination factor
13467520	6.1	4.5	3.04	0.062381	0.398248	AT4G11630	ribosomal protein L19
13534004	6.1	4.67	2.7	0.033522	0.354018	AT5G40800	hypothetical protein
13449910	6.1	4.8	2.45	0.148254	0.471967	AT3G15720	polygalacturonase
13448969	6.1	4.93	2.25	0.006817	0.285606	AT3G13480	hypothetical protein
13422734	6.1	5.03	2.09	0.083804	0.417946	PTB1	polypyrimidine tract-binding protein 1
13386584	6.1	5.14	1.95	0.004702	0.264229	AT1G72850	TIR-NBS class of disease resistance protein
13396497	6.1	5.19	1.87	0.035354	0.355898	AT2G23960	class I glutamine amidotransferase-like domain-containing protein
13470250	6.1	5.22	1.84	0.016651	0.316275	PUP7	purine permease 7
13354794	6.1	5.25	1.8	0.058388	0.393329	MURE	Mur-ligase, Mur-ligase-C and Mur-ligase-M domain-containing protein
13438459	6.1	5.34	1.69	0.250092	0.53747	AT3G52210	mRNA cap guanine-N7 methyltransferase 2
13400494	6.1	5.36	1.67	0.011733	0.301412	AT2G34190	nucleobase-ascorbate transporter 2
13441923	6.1	5.4	1.62	0.077988	0.413326	AT3G60810	hypothetical protein
13368927	6.1	5.48	1.54	0.056575	0.389748	AT1G16840	hypothetical protein
13411176	6.1	5.66	1.35	0.047317	0.377622	AT2G20940	hypothetical protein
13380129	6.1	5.69	1.32	0.134056	0.463251	HAC4	histone acetyltransferase of the CBP family 4
13357705	6.1	5.7	1.31	0.383125	0.597469	AT1G71110	hypothetical protein
13384009	6.1	5.72	1.3	0.366816	0.590265	AT1G66530	arginyl-tRNA synthetase
13505493	6.1	5.73	1.3	0.272272	0.549146	AT5G25080	Sas10/Utp3/C1D family protein
13461445	6.1	5.78	1.24	0.515035	0.675541	AT3G58140; AT3G58130	phenylalanyl-tRNA synthetase; N-acetylglucosaminylphosphatidylinositol de-N-acetylase family protein
13420774	6.1	5.84	1.2	0.303153	0.564046	FPA	Flowering time control protein FPA
13542083	6.1	5.84	1.2	0.631391	0.754561	AT5G61330	rRNA processing protein-like protein
13487347	6.1	5.85	1.19	0.04403	0.373501	FAH2	fatty acid hydroxylase 2
13469270	6.1	5.87	1.17	0.648423	0.766179	ESD4	ubiquitin-like-specific protease ESD4
13355470	6.1	5.9	1.15	0.784995	0.860446	CLV2	receptor-like protein CLAVATA2
13470305	6.1	5.9	1.15	0.716288	0.813698	AT4G18300	Trimeric LpxA-like enzyme

13364486	6.1	5.98	1.08	0.652919	0.769725	AT1G07030	Mitochondrial substrate carrier family protein
13534112	6.1	5.99	1.08	0.703865	0.804969	UVH1	DNA repair endonuclease UVH1
13520152	6.1	6.02	1.06	0.88335	0.928811	PLP3b	phosducin-like protein 3-like protein
13350737	6.1	6.05	1.03	0.797416	0.869646	AT1G51350	armadillo/beta-catenin-like repeats-containing protein
13514039	6.1	6.09	1.01	0.975487	0.985277	USP	UDP-sugar pyrophosphorylase
13505582	6.1	6.14	-1.03	0.854775	0.908825	AT5G25280	serine-rich protein-like protein
13382440	6.1	6.22	-1.08	0.776382	0.854399	ASP4	aspartate aminotransferase
13383290	6.1	6.22	-1.09	0.742003	0.830605	AT1G64980	Nucleotide-diphospho-sugar transferases superfamily protein
13545277	6.1	6.24	-1.1	0.921967	0.952767	ArthMp034	hypothetical protein
13382656	6.1	6.3	-1.15	0.555549	0.703082	NAP10	ABC transporter I family member 1
13533359	6.1	6.35	-1.19	0.440218	0.629816	AT5G38690	Zinc-finger domain of monoamine-oxidase A repressor R1 protein
13396060	6.1	6.43	-1.26	0.372025	0.591916	NAI1	transcription factor NAI1
13492358	6.1	6.45	-1.27	0.269703	0.547986	AT4G32208	heat shock protein 70 (Hsp 70) family protein
13448436	6.1	6.48	-1.3	0.175941	0.492405	TRFL9	Telomere repeat-binding protein 3
13419041	6.1	6.67	-1.49	0.13296	0.462568	AT2G39510	nodulin MtN21-like protein
13545721	6.1	6.78	-1.61	0.306511	0.565397	AT2G13422	hypothetical protein
13448857	6.1	6.91	-1.76	0.036912	0.359989	AT3G13275	hypothetical protein
13516253	6.1	8.07	-3.91	0.051188	0.382129	AT5G57625	SCP-like extracellular protein domain-containing protein
13336185	6.09	4.87	2.33	0.127876	0.457732	AT1G05710	basic helix-loop-helix domain-containing protein
13345156	6.09	5.05	2.06	0.072148	0.408352	AT1G27520	putative alpha-mannosidase I MNS5
13345264	6.09	5.23	1.81	0.162753	0.484829	AT1G27690	hypothetical protein
13358573	6.09	5.25	1.78	0.008282	0.292829	PEPR1	leucine-rich repeat receptor-like protein kinase PEPR1
13389504	6.09	5.28	1.75	0.041281	0.367353	APL	myb family transcription factor APL
13365290	6.09	5.29	1.75	0.253524	0.539332	MGP2	male gametophyte defective 2 protein
13475395	6.09	5.29	1.75	0.287592	0.557153	AT4G29950	RabGAP/TBC domain-containing protein
13539076	6.09	5.3	1.74	0.147683	0.471804	AT5G53540	P-loop containing nucleoside triphosphate hydrolase-like protein
13474765	6.09	5.3	1.73	0.346708	0.58045	NPGR2	no pollen germination related 2 protein
13340304	6.09	5.38	1.64	0.255798	0.540325	AT1G15215	hypothetical protein
13455699	6.09	5.38	1.63	0.31849	0.569583	AT3G43240	ARID/BRIGHT DNA-binding domain-containing protein
13376101	6.09	5.39	1.62	0.006475	0.282667	AT1G43580	Sphingomyelin synthetase family protein
13346490	6.09	5.4	1.61	0.259992	0.542638	DIS2	actin related protein 2/3 complex, subunit 2
13505351	6.09	5.41	1.6	0.256616	0.540874	AT5G24490	putative 30S ribosomal protein
13335005	6.09	5.42	1.59	0.159777	0.482149	AT1G02750	DEHYDRATION-INDUCED 19-like protein 2
13422536	6.09	5.49	1.52	0.148593	0.471967	AT2G47790	transducin/WD-40 repeat-containing protein
13543783	6.09	5.53	1.48	0.280064	0.55409	GRF8	14-3-3-like protein GF14 kappa
13385154	6.09	5.55	1.46	0.114057	0.445215	MGP3	DNA-directed RNA polymerase 1
13403864	6.09	5.59	1.42	0.288029	0.557546	AT2G41650	hypothetical protein
13334821	6.09	5.59	1.41	0.072561	0.408352	AT1G02305	putative cathepsin B-like cysteine protease
13487101	6.09	5.6	1.4	0.183879	0.498487	AT4G19980	hypothetical protein

13398483	6.09	5.68	1.33	0.541956	0.693664	AT2G29065	GRAS family transcription factor
13394569	6.09	5.72	1.29	0.357117	0.584844	AT2G19385	zinc ion binding protein
13492947	6.09	5.73	1.29	0.567972	0.711172	ADR1-L1; AT4G33290; AT4G33310	putative disease resistance protein ADR1-like 1; F-box/kelch-repeat protein; hypothetical protein
13451823	6.09	5.74	1.27	0.211131	0.516454	ENODL9	early nodulin-like protein 9
13434133	6.09	5.76	1.25	0.59826	0.731428	UVH3	DNA repair protein UVH3
13478790	6.09	5.77	1.25	0.542477	0.694165	AT4G37480	chaperone DnaJ-domain-containing protein
13534454	6.09	5.8	1.22	0.100338	0.434607	AT5G42110	hypothetical protein
13520068	6.09	5.81	1.21	0.382754	0.597148	RMR1; STR18	receptor homology-transmembrane-ring H2 domain protein 1; sulfurtransferase 18
13458261	6.09	5.91	1.13	0.67438	0.784303	AT3G50380	hypothetical protein
13523834	6.09	5.92	1.13	0.573147	0.715039	AT5G09380	RNA polymerase III RPC4
13524115	6.09	5.91	1.13	0.498983	0.664402	AT5G09995	hypothetical protein
13426755	6.09	5.94	1.11	0.755842	0.840256	AT3G11230	yippee-like protein
13359221	6.09	5.95	1.1	0.487443	0.656671	QKY	C2 calcium/lipid-binding plant phosphoribosyltransferase-like protein
13439171	6.09	5.99	1.08	0.85377	0.908199	AtIPCS1	inositol phosphorylceramide synthase 1
13424663	6.09	6.12	-1.02	0.93106	0.957975	AT3G05500	Rubber elongation factor protein
13511262	6.09	6.21	-1.09	0.788542	0.862964	RPS6	TIR-NBS-LRR class disease resistance protein
13533873	6.09	6.24	-1.11	0.678376	0.787135		
13398197	6.09	6.42	-1.26	0.139975	0.466502	AT2G28310	hypothetical protein
13404202	6.09	6.65	-1.47	0.269092	0.547671	AT2G42750	DNAJ heat shock N-terminal domain-containing protein
13514906	6.09	7.02	-1.91	0.100563	0.434659	AT5G54370	late embryogenesis abundant protein-like protein
13543755	6.09	7.37	-2.42	0.001243	0.242634	AT5G65380	mate efflux domain-containing protein
13408299	6.09	7.52	-2.7	0.359283	0.586108	AT2G07779	hypothetical protein
13390425	6.08	4.68	2.63	0.040259	0.365591	At17.1	hypothetical protein
13480707	6.08	4.78	2.46	0.005869	0.279573	AT4G01860	transducin/WD40 domain-containing protein
13419480	6.08	4.79	2.44	0.009974	0.296261	AT2G40640	U-box domain-containing protein 63
13465133	6.08	4.87	2.3	0.0801	0.414323	AT4G02880; UBQ14; UBQ10; UBQ11	hypothetical protein; polyubiquitin 14; polyubiquitin 10; ubiquitin 11
13496469	6.08	4.91	2.24	0.035599	0.356207	FHL	far-red-elongated hypocotyl1-like protein
13522727	6.08	5.01	2.09	0.182505	0.497424	AT5G06560	hypothetical protein
13520894	6.08	5.02	2.08	0.079098	0.414078	LECRKA4.2	Lectin-domain containing receptor kinase A4.2
13471947	6.08	5.06	2.03	0.257746	0.541251	APG8A	autophagy-related protein 8a
13447167	6.08	5.09	1.99	0.012979	0.304634	OMR1	threonine dehydratase biosynthetic
13365888	6.08	5.2	1.84	0.164476	0.485844	AT1G09910	rhamnogalacturonate lyase-like protein
13542220	6.08	5.2	1.83	0.060748	0.396635	AT5G61590	ethylene-responsive transcription factor ERF107
13363810	6.08	5.22	1.81	0.316374	0.568464	CVP2	Type I inositol-1,4,5-trisphosphate 5-phosphatase CVP2
13530995	6.08	5.24	1.79	0.143414	0.469064	AT5G25800	small RNA degrading nuclease 5
13364572	6.08	5.26	1.77	0.04691	0.377465	AT1G07200	P-loop containing nucleoside triphosphate hydrolase domain and Clp-N motif-containing protein

13527916	6.08	5.28	1.74	0.286507	0.557153	AT5G18525	protein serine/threonine kinase
13365969	6.08	5.3	1.71	0.007323	0.288531	AT1G09995	DNA repair DEAD helicase RAD3/XP-D subfamily protein
13409065	6.08	5.31	1.71	0.078739	0.414078	AT2G15695	hypothetical protein
13512212	6.08	5.34	1.67	0.188608	0.502829	AT5G48520	hypothetical protein
13481219	6.08	5.36	1.64	0.05213	0.382443	AT4G03030	F-box/kelch-repeat protein OR23
13410147	6.08	5.48	1.52	0.065093	0.401596	SCY1	Preprotein translocase subunit secY
13347996	6.08	5.52	1.48	0.07477	0.410456	AT1G35220	hypothetical protein
13421867	6.08	5.53	1.46	0.032	0.352653	AT2G46060	transmembrane protein-like protein
13363789	6.08	5.54	1.45	0.327052	0.574063	AT1G05430	hypothetical protein
13530342	6.08	5.55	1.44	0.180605	0.496088	EMB2024	6-phosphogluconolactonase
13477951	6.08	5.57	1.42	0.123362	0.453558	AKR2	ankyrin repeat domain-containing protein 2
13390101	6.08	5.6	1.39	0.145943	0.470556	PTAC17	plastid transcriptionally active 17 protein
13505392	6.08	5.63	1.36	0.260668	0.542969	AT5G24650	Mitochondrial import inner membrane translocase subunit Tim17/Tim22/Tim23 family protein
13533332	6.08	5.68	1.32	0.396158	0.603914	AT5G38640; CYB-1	translation initiation factor eIF-2B delta subunit; cytochrome b-561
13379886	6.08	5.68	1.31	0.105556	0.437428	emb1011	Nuclear pore complex protein
13404978	6.08	5.79	1.23	0.4969	0.663222	COX10	protoheme IX farnesyltransferase
13350820	6.08	5.84	1.18	0.58871	0.726527	BGLU35	myrosinase 5
13451488	6.08	5.84	1.18	0.562538	0.707644	AT3G19740	P-loop containing nucleoside triphosphate hydrolase domain-containing protein
13388605	6.08	5.86	1.17	0.113632	0.444631	AT1G77550	tubulin-tyrosine ligase
13467300	6.08	5.85	1.17	0.644989	0.763574	AT4G11120	putative translation elongation factor Ts
13529152	6.08	5.85	1.17	0.443197	0.631274	RFC1	replication factor C1
13499697	6.08	5.86	1.16	0.511672	0.673293	THO1	THO complex subunit 1
13463546	6.08	5.9	1.13	0.572686	0.714839	MIRO2	MIRO-related GTP-ase 2
13352812	6.08	5.94	1.1	0.275261	0.550583	NF-YC2	nuclear transcription factor Y subunit C-2
13461761	6.08	6	1.06	0.872409	0.920965	CSY2	citrate synthase 2
13364813	6.08	6.03	1.03	0.915367	0.948897	ECA4	Ca2+-transporting ATPase
13337416	6.08	6.11	-1.02	0.932111	0.958744	ALB1	magnesium-chelatase subunit chlD
13345223	6.08	6.12	-1.03	0.889256	0.932172	CYCT1;3	cyclin-T1-3
13423049	6.08	6.13	-1.03	0.90336	0.940817	AT3G01860	hypothetical protein
13417306	6.08	6.16	-1.06	0.745724	0.832977	FEI2	LRR receptor-like serine/threonine-protein kinase FEI 2
13341359	6.08	6.32	-1.18	0.477559	0.65081	AT1G17360	hypothetical protein
13341443	6.08	6.43	-1.28	0.380223	0.595633	HAB2	protein phosphatase 2C 7
13344381	6.08	6.51	-1.34	0.385751	0.598356	AT1G25141	UDP-3-O-[3-hydroxymyristoyl] N-acetylglucosamine deacetylase
13336138	6.08	6.76	-1.6	0.231188	0.527791	URH2	putative uridine nucleosidase 2
13401052	6.08	6.76	-1.6	0.114622	0.445813	AT2G35380	peroxidase 20
13542983	6.08	6.76	-1.6	0.164288	0.485779	FLS3	flavonol synthase 3
13361970	6.08	6.77	-1.61	0.320583	0.570934	TBL25	protein trichome birefringence-like 25
13435451	6.08	7.43	-2.55	0.003068	0.253459	FAR4	putative fatty acyl-CoA reductase 4
13385760	6.07	3.52	5.85	0.057634	0.39275	AT1G70500	pectin lyase-like protein
13432527	6.07	4.22	3.6	0.108517	0.440622	SBP3	selenium-binding protein 3
13406494	6.07	4.7	2.58	0.081952	0.41695	AT2G47950	hypothetical protein
13448618	6.07	4.77	2.46	0.113732	0.444631	AT3G12950	trypsin-like protein
13340775	6.07	4.82	2.38	0.005251	0.271891	AT1G16310	Cation efflux family protein

13389713	6.07	4.88	2.29	0.101532	0.435335	RFO1	wall-associated receptor kinase-like 22
13513031	6.07	4.94	2.2	0.009784	0.296261	WR3	nitrate transmembrane transporter
13443187	6.07	4.96	2.16	0.075095	0.410503		
13445488	6.07	5	2.1	0.011669	0.300859	NHX4	sodium/hydrogen exchanger 3
13361616	6.07	5.05	2.02	0.054862	0.386317	SAR3	suppressor of auxin resistance 3
13335058	6.07	5.19	1.84	0.060574	0.396635	NLA	E3 ubiquitin-protein ligase BAH1
13406062	6.07	5.19	1.84	0.167226	0.486855	UBQ6	ubiquitin-40S ribosomal protein S27a-2
13528140	6.07	5.26	1.76	0.075676	0.410503	AT5G19150; AILP1	pfkB-like carbohydrate kinase family protein; aluminum induced protein with YGL and LRDR motifs
13338542	6.07	5.3	1.71	0.436806	0.627744	AT1G10730	AP-1 complex subunit mu
13403737	6.07	5.29	1.71	0.079863	0.414251	AT2G41440	hypothetical protein
13426182	6.07	5.32	1.68	0.260721	0.542969	IDH-VI	Isocitrate dehydrogenase [NAD] catalytic subunit 6
13351618	6.07	5.4	1.59	0.015661	0.315212	AT1G53390	ABC transporter G-24
13402605	6.07	5.41	1.57	0.246167	0.535608	ERO2	endoplasmic oxidoreductin-2
13515523	6.07	5.54	1.44	0.455595	0.638722	AT5G55860	hypothetical protein
13361812	6.07	5.57	1.41	0.039035	0.364658	PPa1	inorganic pyrophosphatase
13520826	6.07	5.69	1.3	0.183795	0.498487	ESP4	symplekin
13337108	6.07	5.74	1.25	0.284568	0.556272	AT1G07840	Sas10/Utp3/C1D family
13432586	6.07	5.81	1.2	0.366822	0.590265	BAM1	beta-amylase 1
13409523	6.07	5.85	1.17	0.761216	0.843588	AT2G17055	Toll-Interleukin-Resistance (TIR) domain family protein
13474175	6.07	5.86	1.16	0.035289	0.355898	WES1	indole-3-acetic acid-amido synthetase GH3.5
13422647	6.07	5.86	1.15	0.406777	0.609755	AT2G48080	oxidoreductase, 2OG-Fe(II) oxygenase-like protein
13486564	6.07	5.94	1.1	0.727006	0.821047	AT4G18580	hypothetical protein
13535122	6.07	5.94	1.1	0.725546	0.820105	AT5G43880	hypothetical protein
13449470	6.07	5.95	1.08	0.664218	0.777006	AT3G14430	hypothetical protein
13496224	6.07	6.08	-1.01	0.934721	0.960564	AT5G01590	hypothetical protein
13453395	6.07	6.1	-1.02	0.955135	0.973319	AT3G24570; RSY3	Peroxisomal membrane 22 kDa (Mpv17/PMP22) family protein; protein raspberry 3
13360984	6.07	6.12	-1.03	0.799305	0.870908	AT1G79200	hypothetical protein
13474217	6.07	6.16	-1.07	0.266644	0.546291	CIP7	COP1-interacting protein 7
13366748	6.07	6.3	-1.18	0.565067	0.709524		
13452140	6.07	6.38	-1.24	0.357265	0.584844	MRP6	multidrug resistance-associated protein 6
13361487	6.07	6.77	-1.62	0.083685	0.417946	NTT1	ADP,ATP carrier protein 1
13380460	6.07	6.83	-1.7	0.173452	0.49082	SVB	hypothetical protein
13482467	6.06	3.7	5.13	0.070384	0.406861	AT4G09420	TIR-NBS class of disease resistance protein
13368188	6.06	4.65	2.67	0.081423	0.416553	AT1G14960	major latex-related protein
13432113	6.06	4.91	2.22	0.159166	0.481599	AT3G23190	HR-like lesion-inducing protein-like protein
13430617	6.06	4.96	2.15	0.046642	0.377465	AT3G19540	hypothetical protein
13388482	6.06	4.96	2.14	0.117443	0.44752	AT1G77280	adenine nucleotide alpha hydrolases-domain containing protein kinase
13398881	6.06	4.97	2.14	0.083352	0.417856	AT2G30105	hypothetical protein
13416311	6.06	5	2.08	0.072753	0.408418	PDLP3	cysteine-rich repeat secretory protein 11
13349790	6.06	5.08	1.97	0.048133	0.37767	AT1G48950	C3HC zinc finger-like protein
13537198	6.06	5.09	1.96	0.012454	0.301412	PANC	pantoate--beta-alanine ligase

13427123	6.06	5.23	1.78	0.037783	0.362096	emb2738	GTP-binding protein
13507508	6.06	5.28	1.72	0.121625	0.452564	AT5G36250	putative protein phosphatase 2C 74
13514345	6.06	5.34	1.64	0.111076	0.442556	RCAR3	abscisic acid receptor PYL8
13523895	6.06	5.36	1.63	0.002627	0.253459	AT5G09620	octicosapeptide/Phox/Bem1p domain-containing protein
13460431	6.06	5.41	1.57	0.134255	0.463251	SDIR1; AT3G55520	E3 ubiquitin-protein ligase SDIR1; FKBP-like peptidyl-prolyl cis-trans isomerase family protein
13439785	6.06	5.44	1.54	0.182867	0.497705	RBL	Noc2p family protein
13510876	6.06	5.47	1.5	0.292527	0.559559	CLPP4	ATP-dependent Clp protease proteolytic subunit 4
13365194	6.06	5.48	1.49	0.283514	0.555903	AT1G08400	RINT-1 / TIP-1 family protein
13509317	6.06	5.55	1.43	0.258029	0.541251	AT5G41800	Transmembrane amino acid transporter family protein
13440545	6.06	5.57	1.41	0.248591	0.53653	AGL18	protein agamous-like 18
13457251	6.06	5.58	1.39	0.542615	0.69422	AT3G47890	Ubiquitin carboxyl-terminal hydrolase-related protein
13514445	6.06	5.61	1.37	0.091	0.427987	SDG29	histone-lysine N-methyltransferase ATX5
13373976	6.06	5.65	1.33	0.424484	0.619918	AT1G30070	calcyclin binding protein
13504769	6.06	5.68	1.3	0.261448	0.543291	NCLPP7	ATP-dependent Clp protease proteolytic subunit 2
13418171	6.06	5.69	1.29	0.106432	0.438604	AT2G37500	arginine biosynthesis bifunctional protein ArgJ
13416812	6.06	5.73	1.26	0.42937	0.622788	MEE21; AT2G34560	PIN domain-containing MEE21 protein; P-loop containing nucleoside triphosphate hydrolase-like protein
13507262	6.06	5.74	1.25	0.444495	0.632155	SOS2	CBL-interacting serine/threonine-protein kinase 24
13490185	6.06	5.77	1.22	0.023956	0.332025	VPS22; FADA	ESCRT-II complex subunit VPS22; fatty acid desaturase A
13386414	6.06	5.85	1.15	0.229418	0.526986	AT1G72480	lung seven transmembrane receptor-like protein
13355329	6.06	5.95	1.08	0.764265	0.845689	AT1G65010	hypothetical protein
13404354	6.06	6.14	-1.05	0.792184	0.865663	AT2G43090	Aconitase/3-isopropylmalate dehydratase protein
13410038	6.06	6.23	-1.12	0.645819	0.764176	AT2G18360	esterase/lipase domain-containing protein
13540405	6.06	6.27	-1.16	0.688647	0.793951	AT5G57250; ORP4C	pentatricopeptide repeat-containing protein; OSBP(oxysterol binding protein)-related protein 4C
13468991	6.06	6.38	-1.25	0.775283	0.853716	CYP705A4	cytochrome P450, family 705, subfamily A, polypeptide 4
13517332	6.06	6.38	-1.25	0.335995	0.576941	TOE2	AP2-like ethylene-responsive transcription factor TOE2
13350061	6.06	6.43	-1.29	0.255582	0.540325	AT1G49580	putative calcium-dependent protein kinase
13372855	6.06	6.45	-1.31	0.49427	0.66107	AT1G27200	hypothetical protein
13545112	6.06	7.17	-2.16	0.528263	0.685181	ArthMp014	hypothetical protein
13467050	6.05	3.58	5.54	0.077305	0.412497	AT4G10270; AT4G10280	putative wound-responsive protein; cupin domain-containing protein
13524260	6.05	4.39	3.17	0.04206	0.368598	AT5G10290	putative LRR receptor-like serine/threonine-protein kinase

13371819	6.05	4.47	2.99	0.024275	0.332788	AT1G23830	hypothetical protein
13367454	6.05	4.66	2.64	0.020921	0.324125	AT1G13380	hypothetical protein
13460901	6.05	4.75	2.46	0.186175	0.500418	CAM3; CAM2; CAM5	calmodulin 3; calmodulin 2; calmodulin 5
13418772	6.05	4.85	2.3	0.099825	0.434356	AT2G39000	Acyl-CoA N-acyltransferases-containing protein
13433302	6.05	4.9	2.21	0.029577	0.348325	AT3G25890	ethylene-responsive transcription factor ERF119
13374830	6.05	4.96	2.13	0.233892	0.529404	NHL8	ubiquitin-protein ligase RNF14
13539610	6.05	5.08	1.96	0.03749	0.360894	SUMO3	small ubiquitin-related modifier 3
13397050	6.05	5.08	1.96	0.160504	0.482937	AT2G25560	DNAJ heat shock N-terminal domain-containing protein
13370016	6.05	5.1	1.93	0.025085	0.334806	AT1G19400	Erythronate-4-phosphate dehydrogenase family protein
13340655	6.05	5.1	1.93	0.135753	0.464905	AT1G16040	hypothetical protein
13512910	6.05	5.14	1.87	0.121185	0.45228	AT5G50010; CPuORF37; CPuORF36	transcription factor bHLH145; conserved peptide upstream open reading frame 37; conserved peptide upstream open reading frame 36
13338483	6.05	5.22	1.78	0.017062	0.319147	AT1G10660	hypothetical protein
13537086	6.05	5.25	1.74	0.118264	0.448212	AT5G48657	defense protein-like protein
13454829	6.05	5.29	1.69	0.079562	0.414219	AT3G28480	prolyl 4-hydroxylase
13347906	6.05	5.32	1.66	0.000583	0.207323	AT1G34630	hypothetical protein
13479975	6.05	5.33	1.65	0.261807	0.543595	AT4G00270	DNA-binding storekeeper protein-related transcriptional regulator
13532382	6.05	5.32	1.65	0.095461	0.431597	HK2	histidine kinase 2
13472554	6.05	5.39	1.59	0.014972	0.313319	AT4G23840	leucine-rich repeat-containing protein
13508498	6.05	5.39	1.58	0.007782	0.290374	AT5G39850	40S ribosomal protein S9-2
13438129	6.05	5.41	1.55	0.257432	0.541247	AT3G51520	diacylglycerol O-acyltransferase 2
13354853	6.05	5.44	1.53	0.031066	0.351113	AT1G63900	E3 ubiquitin ligase-like protein
13415102	6.05	5.47	1.49	0.24109	0.533477	AT2G30720	thioesterase domain-containing protein
13424682	6.05	5.48	1.48	0.27416	0.550583	AT3G05520	F-actin-capping protein subunit alpha
13450177	6.05	5.49	1.47	0.179635	0.495225	PAP1	auxin-responsive protein IAA26
13516325	6.05	5.49	1.47	0.458805	0.640177	AT5G57815	cytochrome c oxidase subunit VIb
13441218	6.05	5.54	1.42	0.435938	0.627041	AT3G59210	F-box/LRR-repeat protein
13460401	6.05	5.54	1.42	0.316936	0.568567	PAT2	AP3-complex subunit beta-A
13522486	6.05	5.6	1.37	0.167348	0.486855	GC1	guanylyl cyclase 1
13506972	6.05	5.64	1.33	0.33241	0.576298	AT5G28830	EF-hand, calcium binding motif-containing protein
13413295	6.05	5.65	1.32	0.460853	0.641973	HO2	heme oxygenase 2
13347968	6.05	5.72	1.26	0.500806	0.665469	GF14 PHI	14-3-3-like protein GF14 phi
13526144	6.05	5.73	1.25	0.065777	0.402744	AT5G14540	hypothetical protein
13423250	6.05	5.76	1.22	0.240891	0.533477	AT3G02290	E3 ubiquitin-protein ligase
13398940	6.05	5.78	1.21	0.565298	0.709708	KIS	tubulin-specific chaperone A
13335688	6.05	5.79	1.2	0.295522	0.561114	AT1G04230	hypothetical protein
13538601	6.05	5.79	1.19	0.597595	0.731118	MBD13	methyl-CPG-binding domain protein 13
13429856	6.05	5.81	1.18	0.561502	0.706913	XPL1; CPuORF30	phosphoethanolamine N-methyltransferase 1; hypothetical protein
13347498	6.05	5.83	1.17	0.587817	0.725958	AT1G33590	leucine-rich repeat-containing protein
13395461	6.05	5.84	1.16	0.559741	0.705862	VHA-A2	V-type H+-transporting ATPase subunit I

13519939	6.05	5.86	1.14	0.541161	0.693023	AT5G65900	DEAD-box ATP-dependent RNA helicase 27
13432870	6.05	5.94	1.08	0.253017	0.539138	CLE41	protein CLAVATA3/ESR-related 41
13407352	6.05	5.96	1.07	0.845573	0.902671	AT2G02960	RING/FYVE/PHD zinc finger-containing protein
13436043	6.05	6.01	1.03	0.875268	0.922893	HERK1; AT3G46300	receptor-like protein kinase HERK 1; hypothetical protein
13525817	6.05	6.06	-1.01	0.982441	0.989712	AT5G13880	hypothetical protein
13441244	6.05	6.08	-1.02	0.902059	0.940011	AT3G59290	clathrin interactor EPSIN 3
13339861	6.05	6.15	-1.07	0.708988	0.808664	AT1G13990	hypothetical protein
13404178	6.05	6.23	-1.13	0.14849	0.471967	AT2G42710	ribosomal protein .1/L10 family protein
13413840	6.05	6.27	-1.17	0.437904	0.628329	AT2G27580	zinc finger A20 and AN1 domain-containing stress-associated protein 3
13468287	6.05	6.3	-1.19	0.44754	0.634338	J20	chaperone protein dnaJ 20
13340190	6.05	6.41	-1.29	0.422497	0.618691	NUDT18	nudix hydrolase 18
13442424	6.05	6.51	-1.38	0.706671	0.807111	AT4G03410	Peroxisomal membrane 22 kDa (Mpv17/PMP22) family protein
13351211	6.05	6.53	-1.4	0.253734	0.539541	TSA1	TSK-associating protein 1
13497847	6.05	6.69	-1.56	0.493571	0.660768	PRA1.B3	PRA1 family protein B3
13418543	6.05	7.04	-1.98	0.053629	0.384062	PRA1.B4	PRA1 family protein B4
13419828	6.05	7.04	-2	0.189376	0.503111	AT2G41480	putative peroxidase
13394896	6.04	3.5	5.78	0.039272	0.364658	AT2G20142	Toll-Interleukin-Resistance domain-containing protein
13404470	6.04	4.64	2.64	0.078981	0.414078	INT1	putative inositol transporter 1
13363931	6.04	4.83	2.31	0.051341	0.382129	AT1G05650	Pectin lyase-like protein
13416588	6.04	5.07	1.97	0.029486	0.348027	iqd9	IQ-domain 9 protein
13478239	6.04	5.24	1.74	0.247653	0.536315	AT4G35940	hypothetical protein
13500645	6.04	5.27	1.72	0.028048	0.34467	PDE149	TerC integral membrane domain-containing protein
13440408	6.04	5.25	1.72	0.054169	0.385343	NRPE5	rpb5 RNA polymerase subunit family protein
13350425	6.04	5.27	1.7	0.197646	0.507784	AT1G50510	indigoidine synthase A-like protein
13529790	6.04	5.29	1.69	0.196323	0.507185	NIC2	nicotinamidase 2
13448195	6.04	5.3	1.66	0.176531	0.492897	AT3G12130	zinc finger CCCH domain-containing protein 36
13435806	6.04	5.35	1.62	0.093177	0.429815	AT3G45620	transducin/WD40 domain-containing protein
13505447	6.04	5.4	1.56	0.514851	0.675417	FPF1	flowering promoting factor 1
13527486	6.04	5.43	1.53	0.258262	0.541251	PEX19-2	peroxin 19-2
13511307	6.04	5.43	1.52	0.300416	0.563307	AT5G46560	hypothetical protein
13492844	6.04	5.45	1.51	0.350755	0.582019	XI-I	putative myosin
13389053	6.04	5.46	1.5	0.309245	0.566721	AT1G78620	uncharacterized transmembrane protein
13391630	6.04	5.45	1.5	0.080433	0.415021	IBR5	protein-tyrosine-phosphatase IBR5
13518706	6.04	5.49	1.47	0.293644	0.559922	AT5G63260	zinc finger CCCH domain-containing protein 67
13538937	6.04	5.51	1.45	0.157107	0.479669	FTSH11	cell division protease ftsH-11
13394712	6.04	5.52	1.44	0.119613	0.450566	ASHR2	histone-lysine N-methyltransferase ASHR2
13466819	6.04	5.54	1.41	0.259646	0.542423	RH39	DEAD-box ATP-dependent RNA helicase 39
13451465	6.04	5.55	1.4	0.00832	0.293015	ARC5	protein ARC5

13502281	6.04	5.56	1.39	0.049703	0.379003	AT5G16510	alpha-1,4-glucan-protein synthase family protein
13526067	6.04	5.58	1.37	0.274496	0.550583	AT5G14440	Surfeit locus protein 2 (SURF2)
13444357	6.04	5.61	1.35	0.380782	0.596106	AT3G04010	O-Glycosyl hydrolases family 17 protein
13339506	6.04	5.62	1.34	0.321616	0.571349	AT1G12990	beta-1,4-mannosyl-glycoprotein
13449520	6.04	5.64	1.32	0.434678	0.62623	NTMC2T6.2	calcium-dependent lipid-binding domain-containing protein
13432644	6.04	5.71	1.25	0.375025	0.593207	GATA1	GATA transcription factor 1
13499776	6.04	5.72	1.25	0.70609	0.806687	PEP7	elicitor peptide 7
13425044	6.04	5.79	1.2	0.391331	0.600721	AT3G06500	putative neutral invertase
13515862	6.04	5.77	1.2	0.640242	0.760348	SYNC1	asparaginyl-tRNA synthetase, cytoplasmic 1
13448552	6.04	5.89	1.12	0.760787	0.843342	AT3G12730	myb family transcription factor
13379968	6.04	5.93	1.07	0.82213	0.88615	AT1G55690	sec.4-like phosphatidylinositol transfer protein
13519110	6.04	5.96	1.06	0.88184	0.927803	AT5G64220	calmodulin-binding transcription activator 2
13385829	6.04	6.01	1.02	0.781249	0.857577	AT1G70750	hypothetical protein
13357060	6.04	6.05	-1.01	0.975442	0.985277	EXPA1	expansin A1
13515105	6.04	6.07	-1.02	0.905624	0.942283	AT5G54860	major facilitator protein
13451334	6.04	6.13	-1.06	0.587597	0.725781	AT3G19508	hypothetical protein
13456324	6.04	6.16	-1.08	0.696149	0.799728	IVD; MLO3	isovaleryl-CoA-dehydrogenase; MLO-like protein 3
13360387	6.04	6.2	-1.11	0.712854	0.810869	AT1G77885	hypothetical protein
13435669	6.04	6.22	-1.13	0.082596	0.417856	AT3G44950	glycine-rich protein
13371608	6.04	6.26	-1.17	0.566442	0.71067	AT1G23330	alpha/beta-hydrolase-like protein
13451568	6.04	6.34	-1.23	0.433171	0.625192	AT3G19900	hypothetical protein
13491362	6.04	6.4	-1.28	0.019476	0.321789	AT4G30000	Dihydropterin pyrophosphokinase / Dihydropteroate synthase
13392594	6.03	4.77	2.4	0.062342	0.398248	AT2G12550	ubiquitin-associated (UBA)/TS-N domain-containing protein
13392028	6.03	4.87	2.23	0.137683	0.46568	ORG4	OBP3-responsive protein 4
13502920	6.03	5.06	1.96	0.046774	0.377465	AT5G18200	galactose-1-phosphate uridylyltransferase
13347632	6.03	5.09	1.93	0.123846	0.453788	AT1G34020	nucleotide-sugar transporter-like protein
13388263	6.03	5.1	1.91	0.18095	0.496382	TY1	thioredoxin Y1
13420130	6.03	5.2	1.77	0.021149	0.324494	AT2G41945	hypothetical protein
13417357	6.03	5.21	1.76	0.042963	0.37052	AT2G35736; AT2G35733	hypothetical protein
13497330	6.03	5.22	1.74	0.285646	0.55659	ELF6	jumonji/Zn finger-class transcription factor ELF6
13429615	6.03	5.26	1.71	0.172107	0.489773	YSL5	putative metal-nicotianamine transporter YSL5
13388767	6.03	5.28	1.69	0.302748	0.563999	AT1G77810	beta-1,3-galactosyltransferase 7
13379250	6.03	5.29	1.68	0.168358	0.487177	AT1G53790	F-box protein
13535113	6.03	5.28	1.67	0.221505	0.522771	AT5G43870	hypothetical protein
13463221	6.03	5.3	1.66	0.104061	0.436575	AT3G62280	GDSL esterase/lipase
13449771	6.03	5.35	1.61	0.189182	0.503111	AT3G15420	Transcription factor TFIIIC, tau55-related protein
13474521	6.03	5.44	1.51	0.00478	0.26592	AT4G28070	AFG1-like protein
13453949	6.03	5.44	1.51	0.392864	0.601749	AT3G26510	octicosapeptide/Phox/Bem1p domain-containing protein

13373072	6.03	5.48	1.47	0.164157	0.485724	AT1G27900	helicase associated domain-containing protein
13496983	6.03	5.47	1.47	0.347258	0.58045	AT5G03420	5'-AMP-activated protein kinase-like protein
13452114	6.03	5.52	1.43	0.004994	0.268309	AT3G21215	RNA recognition motif-containing protein
13496925	6.03	5.55	1.39	0.474782	0.649099	AT5G03330	OTU-like cysteine protease family protein
13526100	6.03	5.63	1.32	0.046729	0.377465	AT5G14500	aldose 1-epimerase family protein
13394306	6.03	5.68	1.28	0.615179	0.74359	AT2G18770	P-loop containing nucleoside triphosphate hydrolase-like protein
13404741	6.03	5.67	1.28	0.564977	0.709461	ASHH3	histone-lysine N-methyltransferase ASHH3
13405040	6.03	5.67	1.28	0.394768	0.60291	AT2G44710	RNA recognition motif-containing protein
13453182	6.03	5.67	1.28	0.060105	0.395762	AT3G24200	ubiquinone biosynthesis monooxygenase Coq6
13492568	6.03	5.67	1.28	0.213323	0.518061	AT4G32680	hypothetical protein
13474381	6.03	5.74	1.23	0.385709	0.598325	ACBP2	acyl-CoA binding protein 2
13385070	6.03	5.75	1.22	0.430769	0.623585	LINC3	little nuclei3 protein
13481415	6.03	5.78	1.19	0.442942	0.631085	EMB2770	pre-mRNA-processing factor 6
13421616	6.03	5.79	1.18	0.379262	0.594975	AT2G45500	AAA-type ATPase-like protein
13492639	6.03	5.8	1.17	0.331303	0.576012	AT4G32900	Peptidyl-tRNA hydrolase II (PTH2) family protein
13390852	6.03	5.82	1.16	0.641147	0.760776	STI	AAA-type ATPase-like protein
13468445	6.03	5.82	1.16	0.406872	0.609755	AT4G14300	ribonucleoprotein 1
13509837	6.03	5.81	1.16	0.641997	0.761388	IPK1; U2AF35B	inositol-pentakisphosphate 2-kinase; Splicing factor U2af small subunit B
13499456	6.03	5.83	1.15	0.20373	0.511039	AT5G08750	RING/FYVE/PHD zinc finger-containing protein
13480102	6.03	6.02	1.01	0.921708	0.952637	DGD2	digalactosyldiacylglycerol synthase 2
13367315	6.03	6.05	-1.01	0.9692	0.982119	emb1745	embryo defective 1745 protein
13440424	6.03	6.06	-1.02	0.743921	0.831905	AT3G57120	protein kinase family protein
13515272	6.03	6.06	-1.02	0.887831	0.931296	RAN3	GTP-binding nuclear protein Ran-3
13540900	6.03	6.25	-1.16	0.308202	0.566152	SNX2a	sorting nexin 2A
13512653	6.03	6.27	-1.18	0.3552	0.584506	CP1	Ca2+-binding protein 1
13401570	6.03	6.36	-1.26	0.191791	0.504877	AT2G36420	hypothetical protein
13363290	6.03	6.39	-1.28	0.452858	0.636822	MEE4	GRIM-19 protein
13514286	6.03	6.4	-1.3	0.014628	0.313095	AT5G53090	Rossmann-fold NAD(P)-binding domain-containing protein
13491124	6.03	6.45	-1.34	0.434015	0.625808	AT4G29520; PRMT11	hypothetical protein; protein arginine N-methyltransferase 1
13539720	6.03	6.71	-1.6	0.215234	0.519459	AT5G55400	putative fimbrin-like protein 3
13462149	6.03	6.79	-1.69	0.013616	0.30942		
13376488	6.03	6.86	-1.78	0.164725	0.485884	ABF2	abscisic acid-insensitive 5-like protein 5
13360520	6.03	7.07	-2.05	0.047807	0.37767	TPPB	trehalose-6-phosphate phosphatase
13445208	6.03	8.3	-4.83	0.006383	0.282486	RCI2B	Hydrophobic protein RCI2B
13404420	6.02	4.4	3.08	0.134345	0.463251	AT2G43200	putative methyltransferase PMT19
13484331	6.02	5.09	1.9	0.007929	0.290374	COP9	COP9 signalosome complex subunit 8
13433891	6.02	5.16	1.81	0.129025	0.459211	AT3G27340	hypothetical protein
13459853	6.02	5.19	1.78	0.072257	0.408352	emb1967	Forkhead-associated (FHA) domain-containing protein
13421733	6.02	5.22	1.74	0.131102	0.461002	AT2G45700	sterile alpha motif (SAM) domain-containing protein
13452760	6.02	5.36	1.58	0.462187	0.642726	AT3G22980	elongation factor EF-2

13468062	6.02	5.36	1.58	0.081816	0.416828	AT4G13160	hypothetical protein
13486450	6.02	5.38	1.56	0.223509	0.524399	AT4G18260	cytochrome b561/ferric reductase transmembrane family protein
13522034	6.02	5.4	1.54	0.074178	0.410257	AT5G04710	aspartyl aminopeptidase
13335273	6.02	5.41	1.53	0.330698	0.575803	AT1G03290	hypothetical protein
13350867	6.02	5.43	1.51	0.0952	0.431535	AT1G51540; AT1G51550	kelch-like motif-containing protein; F-box/kelch-repeat protein
13365601	6.02	5.44	1.49	0.110193	0.441206	AT1G09290; AT1G09300	hypothetical protein; metallopeptidase M24-like protein
13443749	6.02	5.46	1.48	0.116324	0.446833	AT3G02700; AT3G02690	NC domain-containing protein; nodulin MtN21 /EamA-like transporter protein
13398221	6.02	5.48	1.45	0.296982	0.562225	AT2G28320	pleckstrin homology (PH) and lipid-binding START domain-containing protein
13524222	6.02	5.51	1.42	0.373006	0.592342	ASN3	asparagine synthetase 3
13431422	6.02	5.52	1.41	0.157791	0.480312	AT3G21295	hypothetical protein
13538502	6.02	5.58	1.35	0.552286	0.701164	AT5G51980	zinc finger CCCH domain-containing protein 63
13384565	6.02	5.61	1.33	0.183926	0.498487	REV3	DNA polymerase zeta subunit
13403391	6.02	5.67	1.28	0.552433	0.701184	AT2G40700	DEAD-box ATP-dependent RNA helicase 17
13464872	6.02	5.68	1.27	0.104996	0.43719	SEC15B	exocyst complex component sec15B
13522065	6.02	5.7	1.25	0.414167	0.614187	AT5G04760	duplicated SANT DNA-binding domain-containing protein
13382770	6.02	5.72	1.24	0.432965	0.625185	AT1G63640	kinesin motor, calponin homology and calcium binding and coiled-coil domain-containing protein
13415865	6.02	5.74	1.22	0.058969	0.394639	AT2G32415	RRP6-like protein 3
13507828	6.02	5.74	1.22	0.142137	0.468311	AT5G37710	lipase class 3 family protein / putative calmodulin-binding heat-shock protein
13530586	6.02	5.73	1.22	0.369147	0.591437	AT5G24760	alcohol dehydrogenase-like 6
13400095	6.02	5.75	1.21	0.139923	0.466405	AT2G32910; AT2G32905	DCD (Development and Cell Death) domain protein; hypothetical protein
13349210	6.02	5.77	1.19	0.748349	0.834896	RBP47C	RNA-binding protein 47C
13491439	6.02	5.78	1.19	0.446633	0.633869	CDEF1	GDSL esterase/lipase
13418278	6.02	5.78	1.18	0.499266	0.664518	AT2G37680	hypothetical protein
13460380	6.02	5.79	1.17	0.439037	0.62918	OVA1	methionyl-tRNA synthetase
13530284	6.02	5.79	1.17	0.518032	0.677438	AT5G24290	vacuolar iron transporter-like protein
13522535	6.02	5.83	1.14	0.246898	0.535608	AT5G06060	tropine dehydrogenase
13533601	6.02	5.86	1.12	0.662151	0.775874	AT5G39600	hypothetical protein
13364949	6.02	5.87	1.11	0.475488	0.649535	TPST	protein-tyrosine sulfotransferase
13468972	6.02	5.89	1.09	0.372409	0.591983	UGT71B5	UDP-glucosyl transferase 71B5
13485213	6.02	5.97	1.04	0.871244	0.920063	AT4G16141	GATA type zinc finger transcription factor family protein
13475159	6.02	6.07	-1.03	0.917382	0.949927	NAC075	NAC domain containing protein 75
13385529	6.02	6.08	-1.04	0.771817	0.851408	AT1G69890	hypothetical protein
13397669	6.02	6.11	-1.07	0.733163	0.825493	AT2G27080	late embryogenesis abundant hydroxyproline-rich glycoprotein
13393453	6.02	6.12	-1.08	0.667097	0.778908	AT2G16800	high-affinity nickel-transport-like protein
13390313	6.02	6.15	-1.1	0.136986	0.465572	AT2G01070	lung seven transmembrane receptor-like protein

13355787	6.02	6.26	-1.18	0.082653	0.417856	AT1G66430	fructokinase
13392324	6.02	6.31	-1.22	0.871257	0.920063	AT2G07728	hypothetical protein
13346912	6.02	6.52	-1.42	0.170886	0.489004	AT1G31950	terpene cyclase, C1 domain-containing protein
13407304	6.02	6.57	-1.46	0.031152	0.351447	ARPN	plantacyanin
13437666	6.02	7.02	-2	0.008569	0.293015	AT3G50350	hypothetical protein
13544854	6.02	7.06	-2.07	0.230018	0.527363		
13527611	6.02	7.21	-2.28	0.176153	0.492524	AT5G17820	peroxidase 57
13447163	6.01	3.35	6.31	0.014845	0.313095	AT3G10040	sequence-specific DNA binding transcription factor
13502412	6.01	4.66	2.56	0.067339	0.405555	AT5G16720	hypothetical protein
13518555	6.01	4.67	2.53	0.021427	0.325381	AT5G62865	hypothetical protein
13529930	6.01	4.85	2.24	0.100587	0.434659	AT5G23590	DNAJ heat shock N-terminal domain-containing protein
13525719	6.01	4.96	2.06	0.025505	0.335645	ABO1	elongator complex protein 1
13413193	6.01	5.24	1.7	0.099553	0.434356	PEX10	peroxin 10
13512745	6.01	5.3	1.65	0.298282	0.562461	AT5G49710	hypothetical protein
13434022	6.01	5.32	1.62	0.117383	0.447355	RST1	protein resurrection1
13519078	6.01	5.32	1.61	0.2211	0.522332	AT5G64030	putative methyltransferase PMT26
13448990	6.01	5.38	1.54	0.343298	0.579024	MAPKKK7	mitogen-activated protein kinase kinase kinase 7
13492019	6.01	5.48	1.45	0.183013	0.497876	CSLC5	putative xyloglucan glycosyltransferase 5
13477234	6.01	5.49	1.44	0.056543	0.389748	AT4G33945	armadillo/beta-catenin-like repeat-containing protein
13338137	6.01	5.49	1.43	0.187874	0.502152	POLD4	DNA polymerase delta subunit 4
13461291	6.01	5.53	1.4	0.322147	0.571523	ADSS	adenylosuccinate synthetase
13532923	6.01	5.58	1.34	0.177205	0.493375	AT5G37380	chaperone DnaJ-domain containing protein
13542660	6.01	5.6	1.33	0.589627	0.726828	DXR	1-deoxy-D-xylulose 5-phosphate reductoisomerase
13483057	6.01	5.61	1.32	0.022131	0.326278	AT4G10970	hypothetical protein
13443451	6.01	5.63	1.3	0.027076	0.340635	SOX	sulfite oxidase
13336644	6.01	5.67	1.26	0.422867	0.618789	AT1G06560	NOL1/NOP2/sun-like protein
13362149	6.01	5.69	1.25	0.058557	0.393821	AT1G01910	putative anion-transporting ATPase
13516219	6.01	5.71	1.24	0.505953	0.669428	AT5G57460	hypothetical protein
13523169	6.01	5.76	1.19	0.241934	0.533761	AT5G07590	transducin/WD40 domain-containing protein
13368823	6.01	5.77	1.18	0.456577	0.639006	AT1G16570	beta-1,4-mannosyltransferase
13346184	6.01	5.85	1.12	0.749264	0.835527	AT1G30320	Remorin family protein
13486493	6.01	5.85	1.12	0.396935	0.604224	TCP2	transcription factor TCP2
13542863	6.01	5.96	1.04	0.882941	0.928655	NPX1; AT5G63340	nuclear protein X1; hypothetical protein
13400731	6.01	5.97	1.03	0.9712	0.98317	AT2G34655	hypothetical protein
13349381	6.01	5.99	1.01	0.95274	0.971952	ATE2F2	E2F-5-like protein AtE2F2
13427340	6.01	6	1.01	0.96556	0.979815	PIE1	helicase SWR1
13357914	6.01	6.08	-1.05	0.869392	0.918821	AT1G71695	peroxidase 12
13440568	6.01	6.17	-1.11	0.167588	0.48688	AT3G57450	hypothetical protein
13351593	6.01	6.21	-1.15	0.481075	0.652645	TTL1	TPR repeat-containing thioredoxin TTL1
13421979	6.01	6.35	-1.27	0.362153	0.587934	SPA1	protein SUPPRESSOR OF PHYA-105 1
13383605	6.01	6.5	-1.41	0.179175	0.494721	KOR2	endoglucanase 7
13545256	6.01	6.85	-1.79	0.431045	0.623682		
13511150	6	4.32	3.19	0.046407	0.377124	AT5G46115	hypothetical protein

13494366	6	4.39	3.06	0.083674	0.417946	AT4G36550	armadillo/beta-catenin-like repeat-containing protein
13472927	6	4.5	2.83	0.063444	0.399503	AT4G24440	transcription initiation factor IIA subunit 2
13542506	6	4.7	2.47	0.077193	0.412413	CDF1	Dof zinc finger protein DOF5.5
13454230	6	4.93	2.1	0.120216	0.451528	AT3G27050	hypothetical protein
13482954	6	4.95	2.06	0.006283	0.281026	MTA; AT4G10750	mRNA adenosine methylase; Phosphoenolpyruvate carboxylase family protein
13480393	6	5.01	2	0.033486	0.354018	AT4G01090	hypothetical protein
13456484	6	5.1	1.87	0.155108	0.477992	AT3G45770	putative trans-2-enoyl-CoA reductase
13486425	6	5.14	1.82	0.170566	0.488651	SSP4b	SCP1-like small phosphatase 4b
13508338	6	5.17	1.78	0.103023	0.435908	AHP3	histidine-containing phosphotransfer protein 3
13502717	6	5.21	1.72	0.262965	0.54393	AT5G17560	BolA-like protein
13364986	6	5.26	1.67	0.21176	0.517231	MOM	ATP-dependent helicase family protein
13387925	6	5.26	1.67	0.292397	0.559559	EMB1793; AT1G76050	LYR family of Fe/S cluster biogenesis protein; RNA pseudourine synthase 2
13352703	6	5.31	1.61	0.081069	0.41589	AHG2	Poly(A)-specific ribonuclease PARN
13537466	6	5.34	1.58	0.138224	0.46568	PNG1	peptide-N(4)-(N-acetyl-beta-glucosaminyl)asparagine amidase
13514376	6	5.35	1.57	0.238694	0.532292	PDV1	plastid division protein 1
13466445	6	5.4	1.52	0.144472	0.469521	SAH7	protein SAH7
13509621	6	5.47	1.45	0.024191	0.332353	AT5G42420	Nucleotide-sugar transporter family protein
13366306	6	5.51	1.41	0.085562	0.420651	AT1G10740	alpha/beta-hydrolase domain-containing protein
13518440	6	5.5	1.41	0.150431	0.473213	AT5G62620	putative beta-1,3-galactosyltransferase 19
13526330	6	5.5	1.41	0.101338	0.435108	GMII	alpha-mannosidase II
13535025	6	5.51	1.41	0.155793	0.478792	AT5G43710	putative alpha-mannosidase I MNS4
13467326	6	5.52	1.39	0.417007	0.615746	AT4G11160	translation initiation factor IF-2
13359343	6	5.54	1.38	0.424062	0.619568	AT1G75210	HAD-superfamily hydrolase, subfamily IG, 5'-nucleotidase
13422301	6	5.57	1.35	0.040044	0.365591	AT2G47060	putative receptor-like protein kinase
13439711	6	5.58	1.33	0.12815	0.45815	UBC14	ubiquitin-conjugating enzyme E2 14
13485441	6	5.59	1.33	0.107953	0.439862	AT4G16440	ferredoxin hydrogenase
13513100	6	5.6	1.32	0.46499	0.644046	CPI1	cycloeucalenol cycloisomerase
13522845	6	5.61	1.31	0.083445	0.417888	AT5G06750	putative protein phosphatase 2C 68
13539180	6	5.63	1.29	0.499029	0.664402	AT5G53940	yippee-like zinc-binding protein
13517645	6	5.64	1.28	0.454684	0.6381	AT5G60750	CAAX amino terminal protease family protein
13335972	6	5.71	1.22	0.613957	0.742623	AT1G04970	lipid-binding serum glycoprotein-like protein
13422705	6	5.71	1.22	0.354107	0.584238	MUB1	membrane-anchored ubiquitin-fold protein 1
13397598	6	5.73	1.21	0.509263	0.671684	emb1187	protein kinase-like protein
13514308	6	5.78	1.16	0.193412	0.505856	SPDS3	Spermine synthase
13351701	6	5.8	1.15	0.115215	0.446247	AT1G53530	peptidase-S24/S26 domain-containing protein
13426126	6	5.82	1.14	0.570577	0.713022	AT3G09630	60S ribosomal protein L4-1
13535702	6	5.81	1.14	0.697029	0.800481	AT5G45190	cyclin-T1-5
13406544	6	5.86	1.1	0.791131	0.864903	AT2G48020	sugar transporter ERD6-like 7
13413155	6	5.86	1.1	0.744119	0.831908	ARSK1	root-specific kinase 1
13539982	6	5.87	1.09	0.84316	0.901142	HAP8	protein hapless 8

13361080	6	5.89	1.08	0.83311	0.894478	ALIS5	ALA-interacting subunit 5
13535562	6	5.95	1.04	0.927478	0.956077	AT5G44820	Nucleotide-diphospho-sugar transferase family protein
13414374	6	5.96	1.03	0.935285	0.960937	OEP16-1	outer plastid envelope protein 16-1
13462267	6	5.96	1.03	0.66488	0.777366	AT3G59950; AT3G59940	cysteine protease ATG4b; F-box/kelch-repeat protein SKIP20
13423027	6	6.02	-1.02	0.74966	0.835838	AT3G01810	hypothetical protein
13515591	6	6.03	-1.02	0.861692	0.913932	AT5G56040	leucine-rich receptor-like protein kinase
13384484	6	6.09	-1.06	0.741108	0.829799	AT1G67360	Rubber elongation factor protein (REF)
13490175	6	6.09	-1.07	0.691132	0.796044	AT4G27020	hypothetical protein
13463699	6	6.11	-1.08	0.729425	0.822808	APG1; AT3G63400	MPBQ/MSBQ methyltransferase; cyclophilin-like peptidyl-prolyl cis-trans isomerase family protein
13397541	6	6.13	-1.1	0.685077	0.791637	AT2G26730	putative inactive receptor kinase
13502973	6	6.17	-1.12	0.212089	0.517359	AT5G18440	hypothetical protein
13544827	6	6.41	-1.32	0.157895	0.480429		
13524472	5.99	5.01	1.97	0.135017	0.463566	AT5G10650	RING/U-box domain-containing protein
13358468	5.99	5.11	1.85	0.071759	0.408234	AT1G72820	Mitochondrial substrate carrier family protein
13460351	5.99	5.18	1.76	0.169488	0.48788	PGP20	ABC transporter B family member 20
13528277	5.99	5.28	1.64	0.036125	0.358236	AT5G19485	translation initiation factor eIF-2B gamma subunit
13388219	5.99	5.3	1.62	0.222679	0.523898	AT1G76700	chaperone protein dnaJ 10
13409539	5.99	5.3	1.61	0.286451	0.557095	AT2G17110	hypothetical protein
13358475	5.99	5.33	1.59	0.087742	0.423636	AT1G72860	TIR-NBS-LRR class disease resistance protein
13522613	5.99	5.33	1.58	0.055671	0.388271	TBL9	protein trichome birefringence-like 9
13532428	5.99	5.38	1.53	0.319863	0.570589	AT5G35910	exosome complex exonuclease RRP6
13431296	5.99	5.4	1.5	0.355769	0.584624	CYP705A28	cytochrome P450, family 705, subfamily A, polypeptide 28
13364513	5.99	5.46	1.44	0.071523	0.408234	LSH6	hypothetical protein
13538257	5.99	5.46	1.44	0.299195	0.562613	AT5G51300	splicing factor 1
13474890	5.99	5.47	1.43	0.047576	0.37767	AT4G28760	hypothetical protein
13415839	5.99	5.47	1.43	0.265273	0.545853	AT2G32380	putative transmembrane protein 97
13427828	5.99	5.47	1.43	0.148684	0.471967	AT3G13780	SMAD/FHA domain-containing protein
13357791	5.99	5.48	1.42	0.380984	0.596236	AT1G71240	hypothetical protein
13422398	5.99	5.49	1.41	0.26402	0.544951	AT2G47330	DEAD-box ATP-dependent RNA helicase 24
13351343	5.99	5.53	1.37	0.227338	0.525653	AT1G52730	transducin/WD-40 repeat-containing protein
13438078	5.99	5.54	1.37	0.192483	0.505536	AT3G51440	strictosidine synthase family protein
13472388	5.99	5.54	1.37	0.182563	0.497424	TET5	tetraspanin5
13341603	5.99	5.61	1.3	0.122737	0.45286	AT1G18030	putative protein phosphatase 2C 8
13496642	5.99	5.63	1.29	0.038941	0.364658	ANK1	protein ankyrin-like1
13476891	5.99	5.65	1.27	0.34954	0.581308	AT4G32915	hypothetical protein
13394298	5.99	5.67	1.26	0.232189	0.528375	CHR8	DNA excision repair protein E
13453440	5.99	5.68	1.24	0.606121	0.736694	AT3G24730	mRNA splicing factor, thioredoxin-like U5 snRNP
13457931	5.99	5.67	1.24	0.504869	0.668458	AT3G49645	hypothetical protein
13423797	5.99	5.69	1.23	0.456216	0.638899	AT3G03610	ELMO/CED-12 family protein
13463665	5.99	5.7	1.22	0.552706	0.701398	AT3G63340	putative protein phosphatase 2C 51

13496143	5.99	5.74	1.19	0.410685	0.611959	AT5G01470	S-adenosyl-L-methionine-dependent methyltransferase family protein
13401542	5.99	5.78	1.15	0.453848	0.637368	SBE2.1	1,4-alpha-glucan branching enzyme
13423017	5.99	5.79	1.15	0.471052	0.647348	AT3G01800	ribosome recycling factor
13456575	5.99	5.8	1.14	0.669987	0.780973	AT3G45900	Ribonuclease P protein subunit P38-related protein
13426510	5.99	5.83	1.12	0.143429	0.469064	NAC052	NAC domain containing protein 52
13469224	5.99	5.84	1.11	0.694194	0.798413	AT4G15790	hypothetical protein
13338194	5.99	5.86	1.09	0.793918	0.866948	AT1G10050	glycosyl hydrolase and carbohydrate-binding domain-containing protein
13540998	5.99	5.88	1.08	0.846209	0.90308	PSY1	Tyrosine-sulfated glycopeptide 1
13495851	5.99	5.89	1.07	0.777956	0.855454	MIPS1	inositol-3-phosphate synthase isozyme 1
13515560	5.99	5.93	1.05	0.892445	0.933805	CBL2	calcineurin B-like protein 2
13342410	5.99	5.93	1.04	0.114246	0.445313	HVA22H	HVA22-like protein h
13449223	5.99	5.95	1.03	0.921091	0.952352	ATBRXL2	protein Brevis radix-like 2
13458577	5.99	5.95	1.03	0.964082	0.978807	AT3G51140	hypothetical protein
13468157	5.99	5.95	1.03	0.964082	0.978807	AT3G51140	hypothetical protein
13421496	5.99	6.12	-1.1	0.267394	0.546492	HAM1	scarecrow-like protein 27
13476930	5.99	6.14	-1.11	0.838296	0.898023	SQD1	UDP-sulfoquinovose synthase
13350898	5.99	6.16	-1.13	0.343369	0.579024	AT1G51610	metal tolerance protein C4
13518278	5.99	6.25	-1.2	0.08456	0.418673	AT5G62270	hypothetical protein
13461298	5.99	6.27	-1.21	0.537907	0.691012	AT3G57630	exostosin family protein
13482840	5.99	6.44	-1.37	0.389945	0.599985	AT4G10450	60S ribosomal protein L9-2
13418015	5.99	6.48	-1.41	0.113585	0.444631	AT2G37130	peroxidase
13346576	5.99	6.58	-1.51	0.189465	0.503111	GlcNA.1UT1	N-acetylglucosamine-1-phosphate uridylyltransferase 1
13362007	5.99	6.58	-1.51	0.059892	0.395174	GPAT4	glycerol-3-phosphate acyltransferase
13341233	5.99	7.91	-3.78	0.052146	0.382443	GSTU26	glutathione S-transferase tau 26
13444527	5.98	4.52	2.74	0.007661	0.290374	AT3G04350	hypothetical protein
13367660	5.98	4.8	2.26	0.074196	0.410257	AT1G13900	putative inactive purple acid phosphatase 2
13425406	5.98	4.81	2.26	0.121247	0.45228	AT3G07270	GTP cyclohydrolase I
13500503	5.98	5.14	1.79	0.239036	0.532322	AT5G11730	Core-2/I-branching beta-1,6-N-acetylglucosaminyltransferase family protein
13422711	5.98	5.17	1.75	0.28168	0.554838	ENODL16	early nodulin-like protein 16
13380192	5.98	5.25	1.65	0.065461	0.402125	AT1G56080	hypothetical protein
13375541	5.98	5.27	1.63	0.00433	0.262292	APRL4	protein alfin-like 4
13466906	5.98	5.33	1.57	0.102359	0.43559	AT4G09950	AIG1-like protein
13473359	5.98	5.34	1.56	0.185463	0.499866	TBL18	protein trichome birefringence-like 18
13532974	5.98	5.38	1.52	0.132422	0.462428	AT5G37480	hypothetical protein
13409373	5.98	5.45	1.45	0.286761	0.557153	PRORP2	proteinaceous RNase P 2
13474876	5.98	5.46	1.43	0.471765	0.647513	AT4G28730	glutaredoxin-C5
13477059	5.98	5.47	1.42	0.310184	0.566973	PAA1	putative copper-transporting ATPase PAA1
13371425	5.98	5.5	1.4	0.291948	0.559372	AT1G22950	uncharacterized PKHD-type hydroxylase
13452068	5.98	5.55	1.35	0.343325	0.579024	AT3G21140	Pyridoxamine 5'-phosphate oxidase family protein
13481197	5.98	5.59	1.31	0.061409	0.398106	ABP1	auxin-binding protein 1
13377276	5.98	5.61	1.3	0.377581	0.594131	AT1G48970	putative guanine nucleotide exchange factor eIF-2B delta subunit
13431857	5.98	5.6	1.3	0.077293	0.412497	IGPD	Imidazoleglycerol-phosphate dehydratase 1
13482504	5.98	5.6	1.3	0.059499	0.395017	AT4G09580	SNARE associated Golgi protein

13404568	5.98	5.64	1.27	0.434201	0.625985	AT2G43630	hypothetical protein
13411940	5.98	5.63	1.27	0.127905	0.457732	AT2G23370	hypothetical protein
13447416	5.98	5.66	1.25	0.366174	0.590066	AT3G10550	Myotubularin-like phosphatases II-like protein
13521243	5.98	5.68	1.24	0.006922	0.285606	AT5G02460	Dof zinc finger protein DOF5.1
13497222	5.98	5.67	1.24	0.500461	0.665333	SDP1	triacylglycerol lipase SDP1
13472159	5.98	5.7	1.21	0.300445	0.563307	AT4G22850	SNARE associated Golgi protein family
13501926	5.98	5.71	1.21	0.467292	0.645127	AT5G15710	F-box/kelch-repeat protein
13473543	5.98	5.74	1.18	0.360413	0.587091	GPP1	glycerol-3-phosphatase 1
13479944	5.98	5.8	1.13	0.669501	0.780705	AT4G00200	AT hook motif DNA-binding family protein
13492058	5.98	5.82	1.12	0.66373	0.776689	UBP18	ubiquitin carboxyl-terminal hydrolase 18
13341151	5.98	5.85	1.09	0.588429	0.726337	SRG1	protein SRG1
13496090	5.98	5.87	1.09	0.670088	0.781027	AT5G01290	mRNA capping enzyme family protein
13342649	5.98	5.87	1.08	0.746031	0.833247	CAT1	catalase 1
13476516	5.98	5.93	1.03	0.848333	0.904536	AT4G32390	Nucleotide-sugar transporter family protein
13343285	5.98	5.94	1.02	0.899157	0.93792	AT1G22170	phosphoglycerate mutase-like protein
13493783	5.98	5.95	1.02	0.964951	0.979392	IDH1	Isocitrate dehydrogenase [NAD] regulatory subunit 1
13545637	5.98	6.03	-1.03	0.872184	0.920796	AT5G01881; AT5G01880	hypothetical protein; RING-H2 finger protein ATL74
13531843	5.98	6.09	-1.08	0.67963	0.788004	AN3	transcriptional coactivator-like protein
13406891	5.98	6.14	-1.12	0.371956	0.591916	AT2G01610	invertase/pectin methylesterase inhibitor-like protein
13488552	5.98	6.15	-1.12	0.414024	0.614181	AT4G23450	RING/U-box domain-containing protein
13533957	5.97	4.05	3.79	0.052995	0.383093	AT5G40630	ubiquitin family protein
13520008	5.97	4.54	2.7	0.010479	0.296271	AT5G66052; AT5G66053	hypothetical protein
13484053	5.97	4.65	2.51	0.093784	0.430403	AT4G13550	triacylglycerol lipase
13513751	5.97	4.9	2.1	0.144155	0.469359	AT5G51790	transcription factor bHLH120
13405857	5.97	4.93	2.05	0.084888	0.419349	ARF11	auxin response factor 11
13543688	5.97	4.93	2.05	0.069119	0.406403	AT5G65240	leucine-rich repeat protein kinase-like protein
13480238	5.97	4.95	2.04	0.105263	0.43719	AT4G00752; AT4G00750	UBX domain-containing protein; putative methyltransferase PMT15
13542312	5.97	5.02	1.93	0.009734	0.296261	AT5G61910; BON1	DCD (Development and Cell Death) domain-containing protein; calcium-dependent phospholipid-binding copine-like protein
13410329	5.97	5.12	1.81	0.130719	0.460628	AT2G19390	hypothetical protein
13396003	5.97	5.12	1.8	0.04081	0.366125	IAA8	auxin-responsive protein IAA8
13475796	5.97	5.14	1.78	0.024327	0.333011	AT4G30993	metallophosphatase domain-containing protein
13411280	5.97	5.14	1.78	0.252717	0.538805	BPC4	basic pentacysteine 4
13369992	5.97	5.17	1.74	0.088282	0.424663	AT1G19330	hypothetical protein
13452542	5.97	5.18	1.73	0.187872	0.502152	AT3G22220	hAT dimerization domain-containing protein
13377867	5.97	5.22	1.69	0.261998	0.543595	SCL3	scarecrow-like protein 3
13536959	5.97	5.25	1.65	0.08939	0.426265	AT5G48440	FAD-dependent oxidoreductase
13374638	5.97	5.28	1.62	0.27653	0.551306	AFH14	formin-like protein 14
13358966	5.97	5.32	1.57	0.215675	0.519564	IMS1	2-isopropylmalate synthase 2
13453357	5.97	5.35	1.54	0.074937	0.410503	AT3G24506	hypothetical protein

13464174	5.97	5.38	1.5	0.248111	0.536387	CIP4.1	COP1-interacting protein 4.1
13463102	5.97	5.4	1.48	0.044798	0.374597	AT3G62070	hypothetical protein
13436674	5.97	5.42	1.47	0.334241	0.576336	GLDH	L-galactono-1,4-lactone dehydrogenase
13431277	5.97	5.42	1.46	0.115768	0.446437	NF-YA9	nuclear transcription factor Y subunit A-9
13469413	5.97	5.46	1.43	0.143371	0.469064	ARA1	arabinose kinase
13387067	5.97	5.47	1.41	0.226928	0.52549	AT1G73950	Transmembrane Fragile-X-F-associated protein
13387083	5.97	5.47	1.41	0.483059	0.653773	TAF2	TBP-associated factor 2
13487509	5.97	5.5	1.39	0.039128	0.364658	PUB8	U-box domain-containing protein 8
13507068	5.97	5.51	1.37	0.079885	0.414251	AT5G33280	putative chloride channel-like protein CLC-g
13354850	5.97	5.56	1.33	0.054226	0.385491	AT1G63850	TIR-NBS-LRR class disease resistance protein
13411702	5.97	5.63	1.26	0.068425	0.406403	AT2G22530	ethanolaminephosphotransferase
13374818	5.97	5.64	1.25	0.239492	0.532592	AT1G32260	hypothetical protein
13335137	5.97	5.67	1.24	0.062283	0.398248	MCCA; AT1G03100	methylcrotonoyl-CoA carboxylase subunit alpha; pentatricopeptide repeat-containing protein
13409004	5.97	5.66	1.24	0.324028	0.572935		
13545293	5.97	5.7	1.2	0.554852	0.702891	AT2G07776; ArthMp046	hypothetical protein
13353739	5.97	5.71	1.19	0.432448	0.624876	emb1220	U4/U6 small nuclear ribonucleoprotein PRP31
13429245	5.97	5.72	1.19	0.34018	0.578077	AT3G16740	F-box/kelch-repeat protein
13469953	5.97	5.73	1.19	0.701072	0.803294	HAT1	homeobox-leucine zipper protein HAT1
13427959	5.97	5.74	1.17	0.323606	0.572669	AT3G14080	U6 snRNA-associated Sm-like protein LSm1
13523394	5.97	5.75	1.17	0.194653	0.505856	MPB2C	movement protein binding protein 2C
13361990	5.97	5.77	1.14	0.258823	0.541564	LEA14	putative desiccation-related protein LEA14
13444509	5.97	5.78	1.14	0.731122	0.824073	emb2458	FtsH extracellular protease family
13514878	5.97	5.83	1.1	0.044485	0.374597	CcdA	cytochrome c-type biogenesis ccda-like chloroplastic protein
13456606	5.97	5.83	1.1	0.710906	0.809866	ADF1	actin depolymerizing factor 1
13404883	5.97	5.88	1.07	0.8075	0.876496	AT2G44430	DNA-binding bromodomain-containing protein
13534897	5.97	5.95	1.01	0.88919	0.932139	AT5G43310	COP1-interacting protein-like protein
13473918	5.97	5.98	-1.01	0.951472	0.971075	AT4G26650	RNA recognition motif-containing protein
13509140	5.97	6.11	-1.1	0.758508	0.841828	XPB2	DNA repair helicase XPB2
13525516	5.97	6.13	-1.12	0.566462	0.71067	AT5G13240	transcription regulator
13541568	5.97	6.18	-1.16	0.073161	0.408907	AT5G60030	hypothetical protein
13439251	5.97	6.21	-1.18	0.215288	0.519459	SCR	protein scarecrow
13503420	5.97	6.26	-1.22	0.097295	0.433165	AT5G19290	esterase/lipase/thioesterase family protein
13406806	5.97	6.38	-1.33	0.333479	0.576298	HB17	homeobox-leucine zipper protein ATHB-17
13353502	5.97	6.47	-1.41	0.052959	0.383093	AT1G59660	Nucleoporin autopeptidase
13422768	5.97	6.55	-1.49	0.192088	0.50525	HB20	homeobox-leucine zipper protein ATHB-20
13401341	5.97	6.72	-1.68	0.019106	0.321499	YLS9	late embryogenesis abundant hydroxyproline-rich glycoprotein
13355615	5.97	6.72	-1.68	0.272373	0.549149	PAO4	putative polyamine oxidase 4
13520708	5.97	7.3	-2.5	0.052868	0.383093	SQD2	sulfoquinovosyldiacylglycerol 2
13344881	5.97	7.4	-2.7	0.000558	0.207323	AT1G26920	hypothetical protein
13544976	5.97	7.73	-3.41	0.288674	0.557737		

13501720	5.96	3.13	7.08	0.002884	0.253459	AT5G15120	hypothetical protein
13491057	5.96	4.63	2.52	0.007933	0.290374	AT4G29310	hypothetical protein
13363965	5.96	4.75	2.32	0.015788	0.315212	PDE247; RTM1	protein pigment defective 247; protein restricted tev movement 1
13535775	5.96	4.96	2.01	0.076134	0.410503	CYP707A3	abscisic acid 8'-hydroxylase 3
13432478	5.96	5	1.95	0.044403	0.374597	AT3G23710	Tic22-like family protein
13515260	5.96	5	1.94	0.038619	0.364475	AT5G55140	large subunit ribosomal protein L30
13494825	5.96	5.07	1.85	0.167315	0.486855	NPY5	Phototropic-responsive NPH3 family protein
13519749	5.96	5.13	1.78	0.032898	0.354018	AT5G65495	protein SKIP34
13516751	5.96	5.2	1.69	0.129853	0.459886	AT5G58520	protein kinase family protein
13472121	5.96	5.33	1.54	0.016112	0.315398	CYP706A1	cytochrome P450, family 706, subfamily A, polypeptide 1
13374686	5.96	5.4	1.48	0.09127	0.428443	AT-IE	phosphoribosyl-ATP pyrophosphatase
13491734	5.96	5.41	1.47	0.156844	0.479551	AT4G30840	transducin/WD40 domain-containing protein
13450367	5.96	5.42	1.45	0.118149	0.448013	AAE7	acyl-activating enzyme 7
13498279	5.96	5.44	1.43	0.271223	0.548864	AT5G06220	LETM1-like protein
13500322	5.96	5.44	1.43	0.328384	0.574416	WIT1	WPP domain-interacting tail-anchored protein 1
13384414	5.96	5.45	1.42	0.327265	0.574089	AT1G67300	putative plastidic glucose transporter 2
13537051	5.96	5.49	1.39	0.529737	0.686304	AT5G48630	cyclin-C1-2
13425426	5.96	5.52	1.35	0.113498	0.444631	AT3G07400	lipase class 3 family protein
13415268	5.96	5.6	1.28	0.038233	0.363017	AT2G31110	hypothetical protein
13529183	5.96	5.6	1.28	0.427656	0.621818	UBP8	ubiquitin-specific protease 8
13540840	5.96	5.66	1.23	0.085726	0.420651	FHIT	bis(5'-adenosyl)-triphosphatase
13337757	5.96	5.72	1.18	0.576372	0.71699	CAX11	cation exchanger 11
13400320	5.96	5.72	1.18	0.560581	0.706361	SWI3B	SWI/SNF complex subunit SWI3B
13537972	5.96	5.74	1.17	0.195057	0.506065	AT5G50640; AT5G50530; AT5G50540; AT5G50645	CBS / octicosapeptide/Phox/Bemp1 domain-containing protein; hypothetical protein
13455111	5.96	5.76	1.15	0.372922	0.592245	CM1	chorismate mutase 1
13362217	5.96	5.86	1.07	0.851614	0.906411	FUS5	COP9 signalosome complex subunit 7
13365572	5.96	5.87	1.07	0.763528	0.845167	AT1G09230	U11/U12 small nuclear ribonucleoprotein 65 kDa protein
13431776	5.96	5.9	1.04	0.839395	0.898767	PMH1	DEAD-box ATP-dependent RNA helicase 9
13440954	5.96	5.94	1.02	0.944907	0.967129	AT3G58570	DEAD-box ATP-dependent RNA helicase 52
13530755	5.96	5.99	-1.02	0.908602	0.94435	AT5G25100	endomembrane family protein 70
13515976	5.96	6.02	-1.04	0.842415	0.900702	AT5G57010	calmodulin-binding protein-like protein
13528946	5.96	6.04	-1.05	0.291605	0.559317	AT5G20910	E3 ubiquitin-protein ligase AIP2
13411107	5.96	6.04	-1.06	0.742499	0.8309	AT2G20840	secretory carrier-associated membrane protein 1
13538751	5.96	6.11	-1.11	0.694665	0.798647	AT5G52660	myb family transcription factor
13411904	5.96	6.18	-1.17	0.452486	0.636679	NRAMP3	metal transporter Nramp3
13479278	5.96	6.27	-1.24	0.445625	0.633255	MYB4	transcription repressor MYB4
13482964	5.96	6.32	-1.29	0.417309	0.61589	OPT7	oligopeptide transporter 7
13486270	5.96	6.52	-1.47	0.100927	0.434702	AT4G17840; AT4G17830	hypothetical protein; acetylornithine deacetylase
13370041	5.96	6.79	-1.78	0.109504	0.440715	AT1G19450	sugar transporter ERD6-like 4

13408374	5.96	6.83	-1.83	0.401507	0.606833		
13393325	5.96	7.06	-2.14	0.599231	0.731685		
13411459	5.96	7.06	-2.14	0.599231	0.731685		
13480359	5.96	7.06	-2.14	0.599231	0.731685		
13490607	5.96	7.06	-2.14	0.599231	0.731685		
13491989	5.95	4.33	3.07	0.126763	0.456331	AT4G31510	hypothetical protein
13493291	5.95	4.41	2.9	0.033588	0.354018	AT4G33980	hypothetical protein
13543030	5.95	4.65	2.46	0.007457	0.2896	SNRK2.5	serine/threonine-protein kinase SRK2H
13366790	5.95	4.88	2.1	0.047898	0.37767	LEW1	cis-prenyltransferase, dehydrodolichyl diphosphate synthase
13397747	5.95	4.93	2.03	0.394326	0.602714	BSL3	serine/threonine-protein phosphatase BSL3
13372983	5.95	5	1.94	0.15023	0.473213	AT1G27540	hypothetical protein
13471111	5.95	5.04	1.87	0.307266	0.56579	TAF11	transcription initiation factor TFIID subunit D9
13410225	5.95	5.05	1.86	0.081369	0.416553	AT2G19090	hypothetical protein
13518488	5.95	5.06	1.86	0.253982	0.539558	AT5G62710	leucine-rich repeat protein kinase-like protein
13521725	5.95	5.06	1.86	0.133872	0.463251	AT5G03880	thioredoxin family protein
13446194	5.95	5.1	1.8	0.008064	0.290673	AT3G07540	formin-like protein 10
13358686	5.95	5.14	1.75	0.009499	0.296261	AT1G73450	protein kinase domain-containing protein
13345299	5.95	5.14	1.74	0.099522	0.434356	AT1G27752	Ubiquitin system component Cue protein
13354596	5.95	5.18	1.71	0.273057	0.54985	AT1G63110	GPI transamidase subunit PIG-U
13460874	5.95	5.18	1.71	0.174639	0.491793	AT3G56750; AT3G56740	hypothetical protein; Ubiquitin-associated (UBA) protein
13410163	5.95	5.28	1.6	0.10375	0.436308	AT2G18780	F-box protein
13487978	5.95	5.35	1.52	0.235832	0.530405	SOBER1	carboxylesterase
13495872	5.95	5.35	1.52	0.452178	0.636608	AT4G39840	hypothetical protein
13349986	5.95	5.48	1.39	0.451823	0.636344	emb1129	small subunit ribosomal protein S17
13463418	5.95	5.48	1.39	0.336693	0.576994	DRB4	double-stranded-RNA-binding protein 4
13362284	5.95	5.53	1.34	0.220397	0.52188	AT1G02270	uncharacterized calcium-binding protein
13358064	5.95	5.54	1.33	0.348388	0.580705	SUC1	sucrose transport protein SUC1
13398877	5.95	5.55	1.32	0.275985	0.551066	AT2G30100	pentatricopeptide repeat-containing protein
13363377	5.95	5.57	1.3	0.231242	0.527791	AT1G04830	RabGAP/TBC domain-containing protein
13384662	5.95	5.59	1.28	0.337932	0.577309	AT1G67680	signal recognition particle subunit SRP72
13445310	5.95	5.6	1.28	0.316303	0.568464	ATCHR12	Homeotic gene regulator
13411014	5.95	5.69	1.2	0.348221	0.580705	AT2G20650	RING/U-box domain-containing protein
13469073	5.95	5.69	1.19	0.358707	0.585867	AT4G15475; UGT84A1	F-box/LRR-repeat protein 4; UDP-glycosyltransferase-like protein
13450030	5.95	5.79	1.12	0.455299	0.638525	AT3G15970	NUP50 protein
13347810	5.95	5.8	1.11	0.631422	0.754561	AT1G34360	translation initiation factor IF-3
13523632	5.95	5.88	1.05	0.871379	0.920148	AT5G08630	DDT domain-containing protein
13347239	5.95	5.98	-1.03	0.939561	0.963737	AT1G32920	hypothetical protein
13485161	5.95	6.01	-1.04	0.808152	0.876937	AT4G15955	epoxide hydrolase-related protein
13418301	5.95	6.04	-1.06	0.75787	0.84148	RLK	receptor lectin kinase
13336904	5.95	6.05	-1.07	0.016489	0.316275	UGT71C4	UDP-glucosyl transferase 71C4
13507077	5.95	6.14	-1.14	0.623897	0.749085	XGD1	xylogalacturonan beta-1,3-xylosyltransferase
13438203	5.95	6.19	-1.18	0.055299	0.387527	AT3G51720	hypothetical protein
13374507	5.95	6.21	-1.2	0.427199	0.621501	AT1G31460; NFD4	hypothetical protein; nuclear fusion defective 4 protein

13459594	5.95	6.27	-1.25	0.591336	0.7276	AT3G53730; AT1G07820; AT1G07660; AT5G59970; AT5G59690; AT3G46320; AT3G45930; HIS4	histone H4
13462134	5.95	6.38	-1.35	0.123455	0.453558	OASC	cysteine synthase
13431400	5.95	6.47	-1.43	0.122342	0.452662	MKK5	mitogen-activated protein kinase kinase 5
13335706	5.95	6.75	-1.74	0.003511	0.253459		
13455932	5.95	7.06	-2.15	0.099268	0.433828	AT3G44140	hypothetical protein
13449436	5.94	4.27	3.17	0.001537	0.250556	RTFL10	protein rotundifolia like 10
13428083	5.94	4.57	2.58	0.018901	0.321499	AT3G14415	(S)-2-hydroxy-acid oxidase
13380313	5.94	4.77	2.25	0.088306	0.424663	AT1G56180	hypothetical protein
13407888	5.94	4.91	2.04	0.014382	0.313095	SCL21; AT2G04900	scarecrow-like protein 21; hypothetical protein
13393085	5.94	4.94	2.01	0.130198	0.46012		
13376182	5.94	5.04	1.87	0.131665	0.46184	AT1G43860	sequence-specific DNA binding transcription factor
13428829	5.94	5.11	1.77	0.013161	0.305732	ROD1	phosphatidic acid phosphatase-related protein
13467064	5.94	5.15	1.73	0.255339	0.540321	AT4G10330	glycine-rich protein
13386129	5.94	5.27	1.59	0.168193	0.487067	AT1G71710	endonuclease/exonuclease/phosphatase domain-containing protein
13497772	5.94	5.28	1.58	0.224671	0.524988	AT5G05190	hypothetical protein
13365499	5.94	5.29	1.56	0.141908	0.468094	AT1G09160	putative protein phosphatase 2C 5
13454780	5.94	5.31	1.55	0.149487	0.472443	AT3G28430	hypothetical protein
13347404	5.94	5.33	1.53	0.067879	0.405979	AT1G33290	putative stage III sporulation protein AA
13335301	5.94	5.36	1.5	0.008352	0.293015	RRP4	exosome complex component RRP4
13463990	5.94	5.4	1.45	0.086695	0.422315	BAM2	beta-amylase 2
13510162	5.94	5.44	1.41	0.18237	0.497376	AT5G43730	CC-NBS-LRR class disease resistance protein
13466784	5.94	5.48	1.38	0.476144	0.649834	CTC1	CST complex subunit CTC1
13402100	5.94	5.55	1.31	0.175045	0.492147	AT2G37840	unc51-like kinase
13366089	5.94	5.58	1.28	0.105279	0.43719	AT1G10310	Rossmann-fold NAD(P)-binding domain-containing protein
13394823	5.94	5.59	1.28	0.164461	0.485844	AT2G19940; AT2G31100	N-acetyl-gamma-glutamyl-phosphate reductase; alpha/beta-hydrolase domain-containing protein
13509635	5.94	5.58	1.28	0.237088	0.531149	AT5G42470	BRCA1-A complex subunit BRE
13359337	5.94	5.6	1.27	0.337328	0.577005	AT1G75190	hypothetical protein
13522113	5.94	5.59	1.27	0.25667	0.540874	AT5G04920	vacuolar protein sorting-associated protein 36
13418806	5.94	5.61	1.25	0.307603	0.565925	AT2G39090	anaphase-promoting complex subunit 7
13376441	5.94	5.67	1.21	0.431077	0.623682	AT1G45170	hypothetical protein
13425450	5.94	5.73	1.16	0.599672	0.732027	AT3G07440	hypothetical protein
13343026	5.94	5.79	1.11	0.422441	0.618691	NADK2	NAD kinase 2
13356066	5.94	5.8	1.1	0.093361	0.430177	AT1G67190	F-box/LRR-repeat protein
13510227	5.94	5.86	1.06	0.016717	0.316275	AT5G43930	transducin/WD40 domain-containing protein
13389093	5.94	5.85	1.06	0.444927	0.632506	AT1G78790	hypothetical protein

13396330	5.94	6.01	-1.05	0.799132	0.870786	AT2G23360	filament-like plant protein 7
13540661	5.94	6.01	-1.05	0.575872	0.716785	AT5G57770; AT5G57760	hypothetical protein
13520173	5.94	6.07	-1.09	0.604008	0.735092	AT5G66560	Phototropic-responsive NPH3 family protein
13473859	5.94	6.21	-1.21	0.23811	0.532053	UKL4	putative uracil phosphoribosyltransferase
13503225	5.94	6.27	-1.26	0.523283	0.681319	AT5G18920	Cox19-like CHCH family protein
13541110	5.94	6.27	-1.26	0.506419	0.669797	CYP86A1	cytochrome P450 86A1
13518947	5.94	6.31	-1.28	0.424234	0.619711	AAP4	amino acid permease 4
13430044	5.94	6.31	-1.29	0.021563	0.325381	AT3G18295	hypothetical protein
13539503	5.94	6.72	-1.72	0.045031	0.374597	SGP1	Ras-related small GTP-binding family protein
13372206	5.94	6.73	-1.73	0.226448	0.525194	AT1G24909; AT1G25083; AT1G25155; AT1G24807; ASB1; AT5G57890	anthranilate synthase component II; anthranilate synthase beta subunit 1
13432279	5.94	7.46	-2.85	0.020331	0.322788	AT3G23470	Cyclopropane-fatty-acyl-phospholipid synthase
13408306	5.94	7.62	-3.21	0.384414	0.597873	AT2G07772	hypothetical protein
13473528	5.94	8.03	-4.28	0.020006	0.322692	XTH14	xyloglucan endotransglucosylase/hydrolase protein 14
13545325	5.94	8.14	-4.61	0.249029	0.536662	ArthMp073	hypothetical protein
13533255	5.93	4.23	3.26	0.014655	0.313095	CYP735A1	cytokinin trans-hydroxylase
13457373	5.93	4.76	2.25	0.045115	0.375052		
13479155	5.93	4.83	2.15	0.052085	0.382443	AT4G38440	hypothetical protein
13530005	5.93	4.97	1.95	0.00073	0.212884	AT5G23760	putative copper transport protein
13524987	5.93	5.04	1.85	0.166155	0.486235	SSP5	SCP1-like small phosphatase 5
13354684	5.93	5.12	1.75	0.181035	0.496382	AT1G63420	hypothetical protein
13504425	5.93	5.12	1.75	0.163412	0.485132	AT5G22340	hypothetical protein
13476278	5.93	5.15	1.72	0.179579	0.495168	AT4G31980	hypothetical protein
13428670	5.93	5.22	1.63	0.058497	0.393697	AT3G15430	regulator of chromosome condensation repeat-containing protein
13388970	5.93	5.23	1.62	0.021554	0.325381	AT1G78480	prenyltransferase-like protein
13542459	5.93	5.27	1.58	0.021738	0.325596	AT5G62200	Embryo-specific protein 3, (ATS3)
13503231	5.93	5.28	1.57	0.014258	0.313095	AT5G18940	Mo25-like protein
13371863	5.93	5.4	1.44	0.262074	0.543595	AT1G23960	hypothetical protein
13453297	5.93	5.41	1.43	0.479362	0.651723	VRN5	Fibronectin type III domain-containing protein
13454500	5.93	5.43	1.41	0.154754	0.477786	ATPK7	serine/threonine kinase
13521248	5.93	5.45	1.4	0.258497	0.541251	DPA	Transcription factor DP
13415722	5.93	5.46	1.39	0.215153	0.519459	AT2G31990	exostosin-like protein
13511044	5.93	5.46	1.39	0.303046	0.564046	APG7	ubiquitin-like modifier-activating enzyme atg7
13334281	5.93	5.47	1.38	0.124157	0.453788	AT1G01350	zinc finger CCCH domain-containing protein 1
13511232	5.93	5.5	1.35	0.343729	0.579122	AT5G46420	RimM-like 16S rRNA processing protein
13501896	5.93	5.6	1.26	0.165747	0.486235	IRX6	COBRA-like protein 4
13359115	5.93	5.62	1.24	0.313213	0.567948	AT1G74410; FUT3	NEP1-interacting protein-like 2; fucosyltransferase 3

13530385	5.93	5.68	1.18	0.570807	0.713054	PRR5	two-component response regulator-like APRR5
13479706	5.93	5.71	1.16	0.739756	0.829115	AT4G39795	hypothetical protein
13511669	5.93	5.72	1.15	0.409254	0.610961	AT5G47400	hypothetical protein
13451338	5.93	5.74	1.13	0.717002	0.814129	HAT3.1	homeobox protein HAT3.1
13408526	5.93	5.79	1.1	0.862967	0.914511	AT2G11271	hypothetical protein
13342758	5.93	5.81	1.08	0.746305	0.833429	MCD1	multiple chloroplast division site 1
13437942	5.93	5.81	1.08	0.729653	0.822969	AT3G51140	hypothetical protein
13351842	5.93	5.82	1.07	0.829379	0.891605	AT1G53880; AT1G53900	eukaryotic translation initiation factor 2B-like protein
13351866	5.93	5.82	1.07	0.829379	0.891605	AT1G53880; AT1G53900	eukaryotic translation initiation factor 2B-like protein
13364781	5.93	5.84	1.07	0.812418	0.880062	AT1G07650	putative LRR receptor-like serine/threonine-protein kinase
13544426	5.93	5.85	1.06	0.809768	0.878124	AT5G66675	hypothetical protein
13427841	5.93	5.86	1.04	0.786921	0.861916	AT3G13800	metallo-beta-lactamase family protein
13536713	5.93	5.88	1.04	0.721722	0.817459	AT5G47870; AT5G47860	hypothetical protein
13362693	5.93	5.88	1.03	0.91166	0.946368	AT1G03250	hypothetical protein
13510477	5.93	5.89	1.03	0.897209	0.936732	VPS2.2	vacuolar protein sorting-associated protein 2-2
13367090	5.93	5.96	-1.02	0.920503	0.951942	AT1G12530	hypothetical protein
13420211	5.93	6.15	-1.16	0.502146	0.666582	AT2G42080	DNAJ heat shock N-terminal domain-containing protein
13486717	5.93	6.27	-1.26	0.357806	0.585346	NLM1	aquaporin NIP1-1
13441229	5.93	6.43	-1.41	0.196201	0.507008	PRN	pirin
13529726	5.93	6.56	-1.55	0.168551	0.487177	AAE17	acyl-activating enzyme 17
13442160	5.93	7.29	-2.56	0.023288	0.330182	AT3G61270	hypothetical protein
13392237	5.93	7.43	-2.82	0.332108	0.576298	AT2G07681	putative cytochrome c biosynthesis ccmC-like mitochondrial protein
13545613	5.93	8.02	-4.25	0.343698	0.579122		
13505230	5.92	3.98	3.83	0.022933	0.32989	AT5G24230	lipase class 3-related protein
13467358	5.92	4.59	2.51	0.184963	0.499508	TOPP7	serine/threonine-protein phosphatase PP1 isozyme 6
13372940	5.92	4.68	2.37	0.192939	0.505638	AT1G27470	transducin family protein / WD-40 repeat family protein
13436267	5.92	4.68	2.37	0.409142	0.610961	AT3G46880	hypothetical protein
13407343	5.92	4.77	2.23	0.031182	0.351447	GSTF3	glutathione S-transferase 16
13432029	5.92	4.79	2.2	0.196441	0.507314	LFR	leaf and flower related protein
13367777	5.92	4.92	1.99	0.012883	0.304248	AT1G14300	armadillo/beta-catenin-like repeats-containing protein
13427982	5.92	5.06	1.81	0.162058	0.483922	AT3G14120	hypothetical protein
13445375	5.92	5.11	1.76	0.13967	0.466238	AT3G06080	hypothetical protein
13534833	5.92	5.11	1.76	0.060627	0.396635	ZF3; AT5G43160	zinc-finger protein 3; hypothetical protein
13363230	5.92	5.11	1.75	0.083129	0.417856	AT1G04530	tetratricopeptide repeat domain-containing protein
13427271	5.92	5.22	1.62	0.146568	0.470962	FYD	protein FYD
13405090	5.92	5.32	1.51	0.128811	0.458836	AT2G44820	hypothetical protein
13497360	5.92	5.33	1.51	0.135722	0.464905	KTF1	kow domain-containing transcription factor 1
13504788	5.92	5.32	1.51	0.101636	0.435397		

13403201	5.92	5.35	1.49	0.090324	0.427228	TBL33	protein trichome birefringence-like 33
13502485	5.92	5.4	1.44	0.166711	0.486825	CSLD2	cellulose synthase-like protein D2
13392918	5.92	5.41	1.43	0.258978	0.541654	TBL13	trichome birefringence-like 13 protein
13466364	5.92	5.41	1.43	0.33268	0.576298	AT4G08510	hypothetical protein
13337549	5.92	5.44	1.4	0.009613	0.296261	AT1G08710	F-box protein SKIP24
13409171	5.92	5.45	1.39	0.392649	0.601645	ARI2	ariadne-1
13476985	5.92	5.47	1.36	0.083252	0.417856	AT4G33180	hydrolase, alpha/beta fold family protein
13522372	5.92	5.51	1.33	0.309566	0.566861	AT5G05670	signal recognition particle receptor subunit beta
13394016	5.92	5.54	1.3	0.290385	0.558546	AT2G17990	hypothetical protein
13503789	5.92	5.54	1.3	0.051028	0.382014	RPT6A	regulatory particle triple-A ATPase 6A
13409327	5.92	5.58	1.27	0.201579	0.510189	ADC1	arginine decarboxylase 1
13448355	5.92	5.59	1.26	0.393095	0.601942	ARP5	actin-related protein 5
13349914	5.92	5.64	1.22	0.625037	0.74989	RABG3E	RAB GTPase homolog G3E
13414821	5.92	5.63	1.22	0.41334	0.613726	RDM4	RNA-directed DNA methylation 4
13449301	5.92	5.63	1.22	0.547633	0.697758	AT3G14150	Aldolase-type TIM barrel family protein
13351399	5.92	5.85	1.05	0.735472	0.826921	AT1G52905; AT1G27565	hypothetical protein
13428190	5.92	5.87	1.04	0.895287	0.935477	CYP72A8	cytochrome P450, family 72, subfamily A, polypeptide 8
13433309	5.92	5.86	1.04	0.889825	0.932245	HMT-1	homocysteine S-methyltransferase 1
13493470	5.92	5.89	1.02	0.867189	0.917318	AT4G34480	glucan endo-1,3-beta-glucosidase 7
13447932	5.92	5.93	-1.01	0.968858	0.981913	DGD1	digalactosyldiacylglycerol synthase 1
13369576	5.92	5.94	-1.02	0.928159	0.956503	GC2; AT1G18180	golgin candidate 2; hypothetical protein
13499876	5.92	6	-1.06	0.662166	0.775874	AT5G10200	ARM-repeat/tetratricopeptide repeat-like protein
13365786	5.92	6.1	-1.13	0.54336	0.694489	AT1G09780	2,3-bisphosphoglycerate-independent phosphoglycerate mutase 1
13368558	5.92	6.1	-1.14	0.672789	0.783089	AT1G15780	hypothetical protein
13414315	5.92	6.11	-1.14	0.592396	0.728214	AT2G28790	pathogenesis-related thaumatin-like protein
13336779	5.92	6.2	-1.21	0.487509	0.656709	AT1G06870	signal peptidase I
13412124	5.92	6.31	-1.31	0.237939	0.531995	AT2G23790	hypothetical protein
13432566	5.92	6.35	-1.35	0.501836	0.666325	TOPII	DNA topoisomerase 2
13471894	5.92	6.42	-1.41	0.085042	0.41951	AT4G21865	hypothetical protein
13380010	5.92	6.62	-1.63	0.000129	0.167225	SIP1	putative galactinol--sucrose galactosyltransferase 1
13357300	5.92	7.33	-2.66	0.019006	0.321499	MMP	matrix metalloproteinase
13440517	5.91	4.24	3.18	0.102196	0.435549	AT3G57320	hypothetical protein
13412890	5.91	4.29	3.07	0.001191	0.242634	MOT1	molybdate transporter 1
13428681	5.91	4.44	2.77	0.106661	0.43902	AT3G15450	aluminum induced protein with YGL and LRDR motif
13454341	5.91	4.48	2.69	0.008612	0.293015	AT3G27220	Kelch repeat-containing protein
13523457	5.91	4.5	2.65	0.121807	0.452662	MIR162A	microRNA162A
13442788	5.91	4.72	2.28	0.129074	0.459248	AT3G62970	ring finger and CHY zinc finger domain-containing protein 1
13479198	5.91	4.73	2.27	0.032226	0.352847	AT4G38490	hypothetical protein
13406811	5.91	4.85	2.08	0.069337	0.406403	AT2G01440	ATP-dependent DNA helicase RecG
13447763	5.91	4.91	2	0.146964	0.470962	ELO1	elongator complex protein 4
13537769	5.91	4.92	1.99	0.066186	0.403288	ELO3	Elongator complex protein 3

13342145	5.91	4.97	1.92	0.200912	0.50994	AT1G19120	Small nuclear ribonucleoprotein family protein
13511686	5.91	5.02	1.86	0.055897	0.388357	AT5G47435	putative formyltetrahydrofolate deformylase
13513672	5.91	5.16	1.68	0.1976	0.507784	CPSF160	cleavage and polyadenylation specificity factor subunit 1
13435722	5.91	5.18	1.66	0.172963	0.490303	SETH2	phosphatidylinositol glycan, class A
13514601	5.91	5.18	1.66	0.196916	0.507617	AT5G53650	hypothetical protein
13340870	5.91	5.28	1.56	0.175014	0.492147	ABA3	Molybdenum cofactor sulfurase
13352652	5.91	5.29	1.54	0.015788	0.315212	UKL3	putative uracil phosphoribosyltransferase
13471224	5.91	5.31	1.52	0.137948	0.46568	JMJ14	JUMONJI 14 protein
13538926	5.91	5.31	1.51	0.227862	0.525957	CNGC1	cyclic nucleotide-gated ion channel 1
13426850	5.91	5.34	1.49	0.078714	0.414078	MYB65	myb domain protein 65
13420736	5.91	5.36	1.47	0.468181	0.645611	AT2G43320	S-adenosyl-L-methionine-dependent methyltransferase-like protein
13443094	5.91	5.35	1.47	0.164453	0.485844	SS2	starch synthase 2
13498094	5.91	5.37	1.46	0.295037	0.56088	RPN8A	26S proteasome regulatory subunit N8
13395986	5.91	5.38	1.45	0.408098	0.610585	BRK1	protein BRICK 1
13515233	5.91	5.39	1.43	0.551937	0.700907	VTC5	GDP-L-galactose phosphorylase
13520458	5.91	5.39	1.43	0.321508	0.571334	AT5G67170	SEC-C motif-containing protein / OTU-like cysteine protease family protein
13484300	5.91	5.44	1.39	0.429031	0.622614	AAE15	long-chain acyl-CoA synthetase
13520391	5.91	5.44	1.39	0.43548	0.626723	AT5G66950	catalytic/ pyridoxal phosphate binding protein
13456096	5.91	5.46	1.37	0.271517	0.548926	HDA9	histone deacetylase 9
13482927	5.91	5.48	1.35	0.417691	0.616073	SPT16	FACT complex subunit SPT16
13408630	5.91	5.49	1.34	0.404665	0.608751	AGT	serine--glyoxylate aminotransferase
13459098	5.91	5.5	1.33	0.185079	0.49962	PUB22	E3 ubiquitin-protein ligase PUB22
13511554	5.91	5.54	1.3	0.276701	0.551433	AT5G47090	hypothetical protein
13439204	5.91	5.55	1.29	0.299995	0.562981	AT3G54080; AT3G54085	Concanavalin A-like lectin family protein; Yos1-like protein
13412418	5.91	5.56	1.27	0.162382	0.484433	WRKY17	putative WRKY transcription factor 17
13541153	5.91	5.58	1.26	0.168936	0.487519	UCP2	uncoupling protein 2
13502181	5.91	5.62	1.23	0.593196	0.728697	ELF9	HIV Tat-specific factor 1
13518651	5.91	5.63	1.22	0.449403	0.635232	EMB2759	embryo defective 2759 protein
13542820	5.91	5.62	1.22	0.5147	0.675405	AT5G63220	hypothetical protein
13373010	5.91	5.65	1.2	0.615988	0.744064	AT1G27700	Syntaxin/t-SNARE family protein
13358076	5.91	5.67	1.18	0.683302	0.790274	AT1G71900	hypothetical protein
13409832	5.91	5.67	1.18	0.477541	0.65081	CSP3	cold shock domain protein 3
13371929	5.91	5.74	1.13	0.502112	0.666568	UGT74B1	N-hydroxythioamide S-beta-glucosyltransferase
13408905	5.91	5.75	1.11	0.694646	0.798647	VSR4	vacuolar-sorting receptor 4
13532909	5.91	5.76	1.11	0.555973	0.703353	ATSRL1	pre-mRNA-splicing factor 38B
13494174	5.91	5.8	1.07	0.696019	0.799643	AT4G36140	putative TIR-NBS-LRR class disease resistance protein
13410190	5.91	5.82	1.06	0.4163	0.615562	AT2G18910	hydroxyproline-rich glycoprotein-like protein
13423724	5.91	5.83	1.06	0.309191	0.566695	AT3G03360	F-box/LRR-repeat protein
13472539	5.91	5.88	1.02	0.680361	0.788339	TBL24	protein trichome birefringence-like 24
13395104	5.91	5.89	1.01	0.82699	0.889946	NFD6	nuclear fusion defective 6
13474830	5.91	5.93	-1.01	0.887	0.930765	AT4G28706	pfkB-like carbohydrate kinase family protein
13457676	5.91	5.93	-1.02	0.925052	0.954816	AT3G49080	small subunit ribosomal protein S9

13452502	5.91	6.03	-1.09	0.24864	0.53653	PAC1	proteasome subunit alpha type-4
13523904	5.91	6.03	-1.09	0.770956	0.850722	PPa6	soluble inorganic pyrophosphatase 1
13451176	5.91	6.05	-1.1	0.675893	0.785183	PREP1	Presequence protease 1
13491474	5.91	6.05	-1.1	0.688345	0.793804	RUXF; AT2G14285	small nuclear ribonucleoprotein F; Small nuclear ribonucleoprotein family protein
13361012	5.91	6.07	-1.12	0.437978	0.628329	AT1G79260	hypothetical protein
13490406	5.91	6.19	-1.21	0.44938	0.635232	ENODL2	early nodulin-like protein 2
13496567	5.91	6.18	-1.21	0.413354	0.613726	AT5G02430	transducin/WD40 domain-containing protein
13402658	5.91	6.22	-1.24	0.125349	0.454563	AT2G39110	protein kinase domain-containing protein
13534355	5.91	6.24	-1.26	0.56259	0.707644	AT5G41870	glycoside hydrolase family 28 protein / polygalacturonase (pectinase) family protein
13452126	5.91	6.31	-1.32	0.300201	0.56322	4CL5	4-coumarate--CoA ligase 4
13451029	5.91	6.35	-1.36	0.33289	0.576298	AT3G18760	small subunit ribosomal protein S6
13400263	5.91	6.39	-1.4	0.010698	0.297744	AT2G33450	50S ribosomal protein L28
13442223	5.91	6.4	-1.4	0.442027	0.630714	AT3G61410	hypothetical protein
13510824	5.91	6.71	-1.74	0.112163	0.443327	AT5G45280	Pectinacetylesterase family protein
13402751	5.91	7.03	-2.17	0.184131	0.498817	AT2G39420	alpha/beta-hydrolase domain-containing protein
13485182	5.9	3.57	5.04	0.055216	0.387216	AT4G16000	hypothetical protein
13491532	5.9	4.41	2.81	0.239928	0.532794	CNGC17	cyclic nucleotide gated channel
13474985	5.9	4.6	2.46	0.172186	0.489773	ckl3	protein casein kinase I-like 3
13469220	5.9	4.63	2.41	0.091387	0.428598	AT4G15770	RNA binding protein
13412249	5.9	4.8	2.14	0.016681	0.316275	HHP3	heptahelical protein 3
13432739	5.9	4.8	2.14	0.050283	0.380289	MBF1C	multiprotein-bridging factor 1c
13373592	5.9	4.89	2.01	0.18853	0.502829	AT1G29240	hypothetical protein
13461231	5.9	5.08	1.77	0.097167	0.433165	AT3G57490	40S ribosomal protein S2-4
13494238	5.9	5.07	1.77	0.122518	0.45286	CRT1	compromised recognition of TCV 1 protein
13542617	5.9	5.12	1.72	0.176425	0.492841	AT5G62650	Tic22-like family protein
13410862	5.9	5.14	1.69	0.078664	0.414078	AT2G20390	hypothetical protein
13389848	5.9	5.16	1.67	0.134274	0.463251	AT1G79880	RNA recognition motif (RRM)-containing protein
13504643	5.9	5.23	1.6	0.339395	0.577996	AT5G22920	ring finger and CHY zinc finger domain-containing protein 1
13424993	5.9	5.23	1.59	0.040664	0.365846	TLP9	tubby-like F-box protein 9
13436736	5.9	5.24	1.57	0.02361	0.331032	EDD1	glycyl-tRNA synthetase 2
13416800	5.9	5.26	1.57	0.395412	0.603356	RPS14	small subunit ribosomal protein S14
13540896	5.9	5.36	1.45	0.107452	0.4394	EXO70B1	exocyst subunit exo70 family protein B1
13481000	5.9	5.44	1.38	0.144532	0.469662	LD	homeobox protein LUMINIDEPENDENS
13423110	5.9	5.51	1.31	0.056033	0.388357	KUP3	Potassium transporter 4
13447857	5.9	5.53	1.29	0.442956	0.631085	AT3G11500	small nuclear ribonucleoprotein G
13513399	5.9	5.55	1.28	0.045717	0.376483	AT5G51150	Mitochondrial import inner membrane translocase subunit Tim17/Tim22/Tim23 family protein
13505695	5.9	5.56	1.26	0.332497	0.576298	AT5G25520	SPOC dand transcription elongation factor S-II domain protein
13453004	5.9	5.63	1.21	0.307198	0.56579	AT3G23900	RNA recognition motif (RRM)-containing protein
13441851	5.9	5.65	1.19	0.230091	0.527363	ATG8G	autophagy-related protein 8g
13369098	5.9	5.68	1.17	0.631057	0.754431	UBC34	ubiquitin-conjugating enzyme E2 34
13448715	5.9	5.68	1.17	0.649934	0.767204	MRP8	multidrug resistance-associated protein 8

13493393	5.9	5.69	1.16	0.48523	0.655048	AT4G34215	hypothetical protein
13537253	5.9	5.7	1.14	0.188937	0.502829	OVA2; AT5G49040	isoleucyl-tRNA synthetase; disease resistance-responsive, dirigent domain-containing protein
13424273	5.9	5.77	1.1	0.389203	0.599658	AT3G04790; TIM23-3	ribose 5-phosphate isomerase A; translocase inner membrane subunit 23-3
13530941	5.9	5.78	1.08	0.023167	0.330182	RBL11	rhomboid-like protein 11
13355333	5.9	5.8	1.08	0.802583	0.872671	AT1G65030	WD40 domain-containing protein
13512394	5.9	5.78	1.08	0.408888	0.610843	AT5G48940	LRR receptor-like serine/threonine-protein kinase RCH1
13433508	5.9	5.82	1.06	0.059832	0.395174	AT3G26430; ATRZ-1A	GDSL esterase/lipase; RNA recognition motif and CCHC-type zinc finger domain-containing protein
13451807	5.9	5.86	1.03	0.849821	0.90538	DDL	smad nuclear-interacting protein 1
13451622	5.9	5.87	1.02	0.266602	0.546291	UBC19	ubiquitin-conjugating enzyme E2 19
13453890	5.9	5.88	1.02	0.968539	0.981658	AT3G26340	proteasome subunit beta type-5-B
13525599	5.9	5.93	-1.02	0.822244	0.88624	AT5G13430	Ubiquinol-cytochrome C reductase iron-sulfur subunit
13461774	5.9	6.05	-1.11	0.743205	0.831397	GAUT15; SHP1	alpha-1,4-galacturonosyltransferase; agamous-like MADS-box protein AGL1
13414288	5.9	6.06	-1.12	0.73681	0.827705	HIS4; AT1G07820; AT1G07660; AT5G59970; AT5G59690; AT3G53730; AT3G46320; AT3G45930	histone H4
13339611	5.9	6.18	-1.21	0.57236	0.714494	MAP1C	methionine aminopeptidase 1B
13401108	5.9	6.19	-1.22	0.127661	0.45753	AT2G35605	SWIB/MDM2 domain-containing protein
13474142	5.9	6.19	-1.22	0.20239	0.510403	AT4G27100	RabGAP/TBC domain-containing protein
13479362	5.9	6.27	-1.29	0.133942	0.463251	EDS5; AT4G39040	enhanced disease susceptibility 5; putative RNA-binding protein containing KH domain protein
13420181	5.9	6.34	-1.36	0.173801	0.490884	PLDBETA1	phospholipase D
13502996	5.9	6.4	-1.42	0.071799	0.408234	AT5G18470	curculin-like (mannose-binding) lectin family protein
13345373	5.9	7.34	-2.7	0.001894	0.253459	LTPG1	glycosylphosphatidylinositol-anchored lipid protein transfer 1
13522274	5.89	4.46	2.71	0.051927	0.382324	AT5G05320	FAD/NAD(P)-binding oxidoreductase family protein
13536885	5.89	4.55	2.53	0.032587	0.353134	AT5G48250	zinc finger protein CONSTANS-LIKE 10
13416217	5.89	4.6	2.45	0.15406	0.477033	AT2G33170	putative leucine-rich repeat receptor-like protein kinase
13462988	5.89	4.65	2.36	0.120866	0.45228	emb1703	protein embryo defective 1703
13518504	5.89	4.85	2.06	0.015281	0.313468	AT5G62720	HPP integral membrane domain-containing protein
13463812	5.89	4.85	2.06	0.074579	0.410456	MEE44	Nucleotidyltransferase family protein
13422479	5.89	4.87	2.03	0.010174	0.296261	AT2G47680	zinc finger CCCH domain-containing protein 31
13418010	5.89	4.94	1.94	0.015786	0.315212	AT2G37120	DNA-binding protein S1FA2

13510730	5.89	4.95	1.92	0.07645	0.410833	AT5G45060	TIR-NBS-LRR class disease resistance protein
13482241	5.89	4.98	1.89	0.211036	0.516304	MEKK3	MAPK/ERK kinase kinase 3
13359310	5.89	5	1.85	0.03694	0.359989	BZR1	brassinazole-resistant 1 protein
13438778	5.89	5.07	1.76	0.020666	0.324125	UPL7	E3 ubiquitin-protein ligase UPL7
13497188	5.89	5.12	1.7	0.072679	0.408352	AT5G03900	Iron-sulfur assembly-like protein
13518813	5.89	5.12	1.7	0.194459	0.505856	GSA1	glutamate-1-semialdehyde-2,1-aminomutase
13334223	5.89	5.18	1.63	0.116949	0.446922	FKGP	L-fucokinase/GDP-L-fucose pyrophosphorylase
13422910	5.89	5.21	1.6	0.253895	0.539549	CDC48C	cell division cycle 48C protein
13501321	5.89	5.26	1.55	0.042457	0.369194	AT5G14050	U3 small nucleolar RNA-associated protein 18-like protein
13350163	5.89	5.28	1.52	0.040118	0.365591	AT1G49890	hypothetical protein
13352232	5.89	5.35	1.46	0.407034	0.609873	AT1G54770	Fcf2 pre-rRNA processing protein
13405943	5.89	5.35	1.45	0.371622	0.591916	PRR9	two-component response regulator-like APRR9
13441439	5.89	5.36	1.45	0.464227	0.643588	AT3G59670	hypothetical protein
13368626	5.89	5.45	1.35	0.229207	0.52681	AT1G15970	DNA glycosylase-like protein
13453221	5.89	5.46	1.35	0.434875	0.626354	AtSec20	transport protein SEC20
13458477	5.89	5.47	1.34	0.061369	0.398106	AT3G50845	hypothetical protein
13379124	5.89	5.53	1.29	0.47093	0.6473	AT1G53610	hypothetical protein
13484272	5.89	5.56	1.25	0.180898	0.496382	RALFL32	protein ralf-like 32
13335733	5.89	5.63	1.2	0.588523	0.726422	AT1G04430	putative methyltransferase PMT8
13400268	5.89	5.63	1.19	0.675224	0.784709	NAC041	NAC domain containing protein 41
13429162	5.89	5.69	1.15	0.001753	0.251783	AT3G16450	jacalin-like lectin domain-containing protein
13361315	5.89	5.73	1.12	0.374487	0.593017	AT1G79970	hypothetical protein
13345620	5.89	5.81	1.06	0.789556	0.863863	SYP61	syntaxin-61
13371584	5.89	5.81	1.06	0.821793	0.885921	GGT1	glutamate:glyoxylate aminotransferase
13519308	5.89	5.81	1.06	0.8629	0.914502	AT5G64600	O-fucosyltransferase family protein
13352874	5.89	5.82	1.05	0.873909	0.922072	AT1G56350	Peptide chain release factor 2
13389343	5.89	5.81	1.05	0.478932	0.651548	AT1G79070	SNARE-associated protein-relatedlike protein
13522627	5.89	5.83	1.04	0.687402	0.793125	AT5G06260	TLD-domain containing nucleolar protein
13512622	5.89	5.88	1.01	0.950792	0.970693	ACLB-2	ATP citrate lyase subunit B 2
13495340	5.89	5.93	-1.03	0.926767	0.955853	AT4G38660	pathogenesis-related thaumatin-like protein
13367025	5.89	5.95	-1.05	0.896352	0.936214	ACR8	ACT domain repeat 8 protein
13479718	5.89	5.95	-1.05	0.581061	0.72076	AT4G39840	hypothetical protein
13417626	5.89	6	-1.08	0.91594	0.949153	AT2G36470	hypothetical protein
13384970	5.89	6.12	-1.17	0.254453	0.539781	XYL1	alpha-xylosidase 1
13493104	5.89	6.16	-1.2	0.326354	0.573808	AT4G33625	hypothetical protein
13489842	5.89	6.44	-1.47	0.217838	0.520626	AGP13	arabinogalactan protein 13
13483464	5.89	6.58	-1.61	0.010007	0.296261	AT4G12050	putative AT-hook DNA-binding family protein
13486345	5.89	6.85	-1.94	0.094146	0.430696	5PTASE2	Type I inositol-1,4,5-trisphosphate 5-phosphatase 2
13384345	5.88	3.33	5.83	0.036916	0.359989	AT1G67160	putative F-box protein
13421211	5.88	4.62	2.39	0.05926	0.39493	AT2G44360	hypothetical protein
13395295	5.88	4.72	2.24	0.03193	0.352653	FIO1	ribosomal RNA large subunit methyltransferase F
13358022	5.88	4.73	2.22	0.029718	0.349008	SERK1	somatic embryogenesis receptor kinase 1

13419281	5.88	4.73	2.21	0.002454	0.253459	ELF4	hypothetical protein
13537500	5.88	4.74	2.21	0.192151	0.505296	MYB78	myb domain protein 78
13499503	5.88	4.84	2.06	0.265562	0.546155	VPS20.2	vacuolar protein sorting-associated protein 20-2
13348150	5.88	4.89	1.99	0.097936	0.433275	AT1G35660	hypothetical protein
13344485	5.88	4.92	1.95	0.071928	0.408234	AT1G25420	Regulator of Vps4 activity in the MVB pathway protein
13433689	5.88	5.12	1.69	0.080204	0.414375	AT3G26760	Rossmann-fold NAD(P)-binding domain-containing protein
13518422	5.88	5.14	1.66	0.091822	0.429207	AT5G62575	hypothetical protein
13386228	5.88	5.15	1.65	0.379826	0.595435	AT1G72070; AT1G72060	chaperone DnaJ-domain containing protein; serine-type endopeptidase inhibitor
13476805	5.88	5.24	1.56	0.157612	0.480177	AT4G32790	Exostosin family protein
13443548	5.88	5.28	1.51	0.038259	0.363017	LNG2	longifolia2
13512477	5.88	5.3	1.5	0.288075	0.55756	AT5G49060	chaperone protein dnaJ 49
13543577	5.88	5.37	1.42	0.068918	0.406403	CIP8	E3 ubiquitin-protein ligase CIP8
13406641	5.88	5.39	1.41	0.045545	0.375909	APG2	Sec-independent periplasmic protein translocase
13418025	5.88	5.41	1.38	0.241255	0.533548	AT2G37150	RING/U-box domain-containing protein
13492309	5.88	5.43	1.37	0.221593	0.522806	AT4G32140	EamA-like transporter family protein
13425909	5.88	5.43	1.36	0.052282	0.382608	AT3G08950	electron transport SCO1/SenC-like protein
13425415	5.88	5.45	1.35	0.499495	0.664668	PUB9	U-box domain-containing protein 9
13494044	5.88	5.47	1.33	0.053831	0.3842	MCA1	PLAC8 domain-containing protein
13337060	5.88	5.48	1.32	0.280877	0.554531	AT1G07705	CCR4-NOT transcription complex subunit 2
13349107	5.88	5.49	1.31	0.275764	0.550854	CYCA3;4; NRAMP2	cyclin-A3-4; metal transporter Nramp2
13352714	5.88	5.5	1.29	0.500842	0.665469	AT1G55890	pentatricopeptide repeat-containing protein
13458241	5.88	5.53	1.27	0.034952	0.355472	AT3G50340	hypothetical protein
13495109	5.88	5.58	1.23	0.22901	0.52681	EXPA20	expansin A20
13527946	5.88	5.58	1.23	0.08592	0.421099	AT5G18590	kelch repeat-containing protein
13396606	5.88	5.64	1.18	0.455735	0.638888	AT2G24300	Calmodulin-binding protein
13404483	5.88	5.65	1.18	0.145171	0.470007	AT2G43370	U11/U12 small nuclear ribonucleoprotein 35 kDa protein
13457674	5.88	5.7	1.13	0.840221	0.899376	AT3G49070	hypothetical protein
13498350	5.88	5.71	1.12	0.724094	0.81914	AT5G06350	armadillo/beta-catenin-like repeat-containing protein
13534616	5.88	5.75	1.1	0.776591	0.854511	AT5G42660	hypothetical protein
13474062	5.88	5.77	1.08	0.850711	0.905873	AT4G26965	NADH:ubiquinone oxidoreductase subunit-17.2
13506606	5.88	5.84	1.03	0.290812	0.558747	AT5G27650	PWWP domain-containing protein
13366517	5.88	5.9	-1.01	0.83812	0.897934	AT1G10990	hypothetical protein
13379478	5.88	5.91	-1.02	0.875858	0.923375	AT1G54380	survival of motor neuron protein-interacting protein 1
13362119	5.88	6.2	-1.24	0.042808	0.369883	AT1G01830	armadillo/beta-catenin-like repeat-containing protein
13456023	5.88	6.21	-1.26	0.6715	0.782049	AT3G44380	late embryogenesis abundant hydroxyproline-rich glycoprotein
13486459	5.88	6.25	-1.3	0.350275	0.581941	TRANS11	phospho-N-acetylmuramoyl-pentapeptide-transferase-like protein
13493321	5.88	6.33	-1.37	0.409983	0.61142	AT4G34040	RING/U-box domain-containing protein

13433253	5.88	6.37	-1.4	0.3579	0.585467	AOC3	allene oxide cyclase 3
13496475	5.88	7.79	-3.78	0.008514	0.293015	AT5G02230	haloacid dehalogenase-like hydrolase domain-containing protein
13538464	5.87	3.56	4.96	0.010602	0.296805	AGL71	protein agamous-like 71
13510533	5.87	4.5	2.6	0.092488	0.429659	AT5G44585	hypothetical protein
13377059	5.87	4.7	2.25	0.052352	0.382608	AT1G48550	Vacuolar protein sorting-associated protein 26
13504872	5.87	4.74	2.19	0.206807	0.513335	AT5G23340	leucine-rich repeats (LRRs), ribonuclease inhibitor (RI)-like subfamily protein
13356394	5.87	4.81	2.08	0.07107	0.40799	NAP3	ABC transporter I family member 17
13498544	5.87	4.93	1.93	0.246746	0.535608	AHBP-1B	transcription factor TGA2
13522469	5.87	4.93	1.92	0.004456	0.262292	PIRL1	plant intracellular ras group-related LRR 1
13517541	5.87	4.94	1.91	0.001585	0.250556	AT5G60580	RING/U-box domain-containing protein
13485460	5.87	4.94	1.91	0.168858	0.487488	AT4G16444	hypothetical protein
13536851	5.87	5	1.83	0.124445	0.453788	OBE2	OBERON 2 protein
13463231	5.87	5.21	1.58	0.25408	0.539615	AT3G62310	pre-mRNA-splicing factor ATP-dependent RNA helicase DHX15/PRP43
13498535	5.87	5.23	1.56	0.297503	0.56231	AT5G06930	hypothetical protein
13384909	5.87	5.24	1.55	0.025683	0.33601	AT1G68410	putative protein phosphatase 2C 15
13414004	5.87	5.25	1.53	0.314563	0.568153	AT2G27980	acyl-CoA N-acyltransferase with RING/FYVE/PHD-type zinc finger domain-containing protein
13395147	5.87	5.35	1.43	0.534798	0.688968	AT2G20690	riboflavin synthase alpha chain
13517554	5.87	5.36	1.43	0.370248	0.591914	AT5G60590	DHBP synthase RibB-like alpha/beta domain-containing protein
13530825	5.87	5.38	1.4	0.217856	0.520626	AT5G25360	hypothetical protein
13521832	5.87	5.4	1.39	0.004324	0.262292	GYRB2	DNA gyrase subunit B
13460444	5.87	5.39	1.39	0.32478	0.573118	AGF2	AT-hook protein of GA feedback 2
13396219	5.87	5.4	1.38	0.53016	0.686583	AT2G23080	putative casein kinase II subunit alpha
13442051	5.87	5.4	1.38	0.363175	0.588601	PP2-A13	F-box protein PP2-A13
13435072	5.87	5.42	1.36	0.261742	0.543595	AT3G43230	RING/FYVE/PHD zinc finger-containing protein
13337862	5.87	5.44	1.35	0.347381	0.58045	AT1G09250	transcription factor bHLH149
13485532	5.87	5.43	1.35	0.20638	0.513094	HINT4	protein histidine triad nucleotide-binding 4
13544812	5.87	5.47	1.33	0.132582	0.462428	AT5G67630	RuvB-like protein 2
13386220	5.87	5.48	1.31	0.478747	0.651465	AT1G72040	P-loop containing nucleoside triphosphate hydrolase-like protein
13451872	5.87	5.48	1.31	0.476596	0.6502	AT3G20650	mRNA cap guanine-N7 methyltransferase 1
13422889	5.87	5.53	1.27	0.251814	0.538622	AT3G01590	glucose-6-phosphate 1-epimerase
13438070	5.87	5.53	1.27	0.14791	0.471913	YLS2	strictosidine synthase
13502028	5.87	5.59	1.21	0.027197	0.34139	SMC5	structural maintenance of chromosomes 5
13481705	5.87	5.6	1.2	0.099068	0.433828	CLS; DER2.2	cardiolipin synthase; derlin-2.2
13516716	5.87	5.63	1.18	0.512412	0.673825	AT5G58450	tetratricopeptide repeat-containing protein
13540171	5.87	5.63	1.18	0.09323	0.429943	SERAT1;1	serine acetyltransferase 5
13424669	5.87	5.64	1.17	0.426856	0.621268	AT3G05510	Phospholipid/glycerol acyltransferase family protein
13490995	5.87	5.64	1.17	0.732964	0.8254	HXK1	hexokinase 1
13476467	5.87	5.73	1.1	0.799878	0.871154	AT4G32350	regulator of Vps4 activity protein
13431272	5.87	5.77	1.07	0.803727	0.873563	AT3G20898; AT3G20900	hypothetical protein

13481305	5.87	5.76	1.07	0.347234	0.58045	AT4G03150	hypothetical protein
13367123	5.87	5.78	1.06	0.619095	0.746209	AT1G12640	MBOAT (membrane bound O-acyl transferase)-like protein
13498597	5.87	5.79	1.06	0.312428	0.567546	WRKY26	WRKY DNA-binding protein 26
13349145	5.87	5.83	1.03	0.87779	0.924835	3BETAHSD/D1	3beta-hydroxysteroid-dehydrogenase/decarboxylase isoform 1
13542604	5.87	5.9	-1.02	0.739151	0.828808	AT5G62640	proline-rich family protein
13372898	5.87	6	-1.09	0.220449	0.521902	AT1G27385	hypothetical protein
13481661	5.87	6.01	-1.1	0.820974	0.885539	CPK23	calcium-dependent protein kinase 23
13497812	5.87	6	-1.1	0.138277	0.46568	AT5G05310	TLC ATP/ADP transporter
13506136	5.87	6.08	-1.16	0.20543	0.51233	IREG3	iron-regulated protein 3
13362164	5.87	6.15	-1.22	0.097697	0.433275	AT1G01930	zinc finger protein-like protein
13531764	5.87	6.17	-1.23	0.11127	0.442715	AT5G28370; AT5G28460; AT3G61520	pentatricopeptide repeat-containing protein
13450779	5.87	6.21	-1.27	0.306729	0.565523	AT3G18200	EamA domain-containing protein
13403855	5.87	6.48	-1.52	0.369622	0.591639	AT2G41640	Glycosyltransferase family 61 protein
13447754	5.87	6.48	-1.52	0.09025	0.427018	AT3G11210	GDSL esterase/lipase CPRD49
13503391	5.87	6.84	-1.96	0.001269	0.242634	AT5G19240	GPI-anchored glycoprotein membrane precursor
13375795	5.86	4.13	3.32	0.021228	0.324817	AT1G36060	ethylene-responsive transcription factor ERF055
13494509	5.86	4.35	2.85	0.02451	0.333211	AT4G36850	PQ-loop repeat family protein / transmembrane family protein
13335542	5.86	4.63	2.36	0.037035	0.360183	GBF4	G-box binding factor 4
13536654	5.86	4.8	2.1	0.142846	0.468772	AT5G47680; NF-YB6	hypothetical protein; nuclear transcription factor Y subunit B-6
13357697	5.86	4.88	1.97	0.159082	0.481576	AT1G71090	auxin efflux carrier-like protein
13341450	5.86	5.02	1.79	0.222099	0.523264	MYA1	myosin 1
13537243	5.86	5.03	1.78	0.053316	0.383838	AT5G48970	Mitochondrial substrate carrier family protein
13431130	5.86	5.08	1.72	0.049433	0.378802	POLGAMMA1	polymerase gamma 1
13530747	5.86	5.09	1.7	0.397259	0.604224	AT5G25070	hypothetical protein
13396505	5.86	5.12	1.67	0.24609	0.535608	AT2G23985	hypothetical protein
13340280	5.86	5.14	1.64	0.100247	0.434576	AT1G15170	mate efflux-like protein
13390997	5.86	5.15	1.64	0.313996	0.568024	AT2G02870	F-box/kelch-repeat protein SKIP11
13544792	5.86	5.16	1.62	0.125622	0.45484	AT5G67610	hypothetical protein
13526907	5.86	5.19	1.59	0.212098	0.517359	UCH1	ubiquitin carboxyl-terminal hydrolase L5
13339998	5.86	5.24	1.53	0.118071	0.448003	AT1G14310	haloacid dehalogenase-like hydrolase domain-containing protein
13468571	5.86	5.29	1.48	0.018146	0.319768	AT4G14605	Mitochondrial transcription termination factor family protein
13483177	5.86	5.3	1.48	0.176275	0.492614	AT4G11410	Rossmann-fold NAD(P)-binding domain-containing protein
13357176	5.86	5.3	1.47	0.29416	0.560481	AT1G69790	protein kinase domain-containing protein
13522444	5.86	5.32	1.45	0.260526	0.542969	AT5G05790	duplicated SANT DNA-binding domain-containing protein
13362608	5.86	5.33	1.44	0.307167	0.56579	PEX6	peroxin 6
13430110	5.86	5.35	1.42	0.208096	0.513672	AT3G18430	EF-hand, calcium binding motif-containing protein

13469521	5.86	5.38	1.39	0.509017	0.671586	AT4G16380	metal ion binding protein
13403593	5.86	5.42	1.35	0.195858	0.506728	CRK1	CDPK-related kinase 1
13423514	5.86	5.43	1.35	0.455537	0.638672	AT3G02880	putative inactive receptor kinase
13453478	5.86	5.58	1.22	0.01937	0.321499	AT3G24880	Helicase/SANT-associated, DNA binding protein
13341349	5.86	5.57	1.22	0.457455	0.639458	AT1G17350	putative complex I intermediate-associated protein 30
13538242	5.86	5.57	1.22	0.389201	0.599658	AT5G51290	diacylglycerol kinase family protein
13516235	5.86	5.58	1.21	0.601564	0.733241	AT5G57610	octicosapeptide/Phox/Bem1p domain-containing protein kinase
13498306	5.86	5.6	1.19	0.539352	0.691974	AT5G06265	hyaluronan mediated motility receptor-related protein
13363525	5.86	5.64	1.16	0.541103	0.692999	AT1G04990	zinc finger CCCH domain-containing protein 3
13543994	5.86	5.69	1.13	0.2257	0.524988	CHY1	3-hydroxyisobutyryl-CoA hydrolase 1
13499567	5.86	5.7	1.12	0.308112	0.566097	TOC64-V	translocon at the outer membrane of chloroplasts 64-V
13409414	5.86	5.73	1.09	0.637907	0.758993	MSI2	histone-binding protein RBBP4
13338930	5.86	5.75	1.07	0.528816	0.685594	SS3	starch synthase 3
13368348	5.86	5.84	1.02	0.906411	0.942827	AT1G15290	tetratricopeptide repeat-containing protein
13480847	5.86	5.84	1.02	0.963267	0.978293	SYP42	syntaxin-42
13356729	5.86	5.89	-1.02	0.612617	0.741747	NUDX1	nudix hydrolase 1
13471801	5.86	5.9	-1.03	0.8925	0.933828	AT4G21720	hypothetical protein
13391040	5.86	5.93	-1.05	0.67288	0.783136	AGL30	protein agamous-like 30
13458018	5.86	5.94	-1.05	0.859809	0.912585	AT3G49810	U-box domain-containing protein 30
13374023	5.86	5.94	-1.06	0.681391	0.788759	AT1G30240	hypothetical protein
13485255	5.86	5.95	-1.06	0.547613	0.697758	AT4G16155	dihydrolipoyl dehydrogenase
13490082	5.86	6.09	-1.17	0.558168	0.704625	VTC2	GDP-L-galactose phosphorylase
13423077	5.86	6.11	-1.19	0.442649	0.631034	AT3G01950	hypothetical protein
13367440	5.86	6.18	-1.25	0.446489	0.633727	AT1G13360	hypothetical protein
13369983	5.86	6.24	-1.3	0.666845	0.778803	PARVUS	putative galacturonosyltransferase-like 1
13541528	5.86	6.31	-1.36	0.062508	0.398248	HTA6	histone H2A 6
13400735	5.86	6.35	-1.4	0.450009	0.63543	MRP2	ABC transporter C family member 2
13523511	5.86	6.37	-1.43	0.470033	0.646758	AT5G08350	GEM-like protein 4
13515033	5.86	6.41	-1.47	0.29015	0.558287	ATK3	kinesin 3
13438287	5.86	6.46	-1.52	0.117005	0.446922	ASAT1	acyl-CoA sterol acyl transferase 1
13425547	5.85	3.47	5.18	0.00838	0.293015	COL9	zinc finger protein CONSTANS-LIKE 9
13393348	5.85	4.36	2.81	0.087256	0.422831	AT2G16380	sec.4-like phosphatidylinositol transfer protein
13447125	5.85	4.41	2.7	0.024539	0.333211	DML2	protein demeter-like 2
13527809	5.85	4.52	2.51	0.121271	0.45228	AT5G18370	TIR-NBS-LRR class disease resistance protein
13409709	5.85	4.76	2.12	0.036485	0.359373	AT2G17550	hypothetical protein
13432942	5.85	4.81	2.04	0.080639	0.415438	AT3G25013	Synaptobrevin family protein
13420657	5.85	4.87	1.98	0.218057	0.520652	ARA4	Ras-related protein ARA-4
13348301	5.85	4.89	1.95	0.068392	0.406403	AT1G36320	hypothetical protein
13463119	5.85	4.9	1.94	0.142182	0.468311	AT3G62110	glycoside hydrolase family 28 protein / polygalacturonase (pectinase) family protein
13521148	5.85	4.95	1.86	0.213891	0.518299	NDP1; OHP	kinesin light chain-like protein; one helix protein

13448974	5.85	4.98	1.83	0.093609	0.430403	OVA5	Lysyl-tRNA synthetase, class II
13347758	5.85	5.03	1.76	0.256614	0.540874	AT1G34300	lectin protein kinase-like protein
13493792	5.85	5.04	1.75	0.191321	0.504418	AT4G35270	RWP-RK domain-containing protein
13502336	5.85	5.09	1.69	0.283792	0.556004	RAD4	xeroderma pigmentosum group C-complementing protein
13537486	5.85	5.1	1.69	0.242881	0.534256	AT5G49580	chaperone DnaJ-domain containing protein
13444925	5.85	5.1	1.67	0.316374	0.568464	AT3G05270	filament-like plant protein 3
13388515	5.85	5.2	1.58	0.130858	0.460628	AT1G77330	aminocyclopropanecarboxylate oxidase
13479772	5.85	5.2	1.57	0.039741	0.365591	RABH1c	Ras-related protein RABH1C
13366276	5.85	5.2	1.57	0.063869	0.400174	AT1G10650	putative S-ribonuclease binding protein SBP1
13380076	5.85	5.22	1.55	0.04146	0.367619	AT1G55830	hypothetical protein
13477773	5.85	5.25	1.51	0.029081	0.347859	RAC3	Rac-like GTP-binding protein ARAC3
13409116	5.85	5.26	1.51	0.121024	0.45228	AT2G15880	Pollen-specific leucine-rich repeat extensin-like protein 3
13374392	5.85	5.29	1.47	0.141469	0.467931	IMD3	3-isopropylmalate dehydrogenase 1
13483008	5.85	5.31	1.45	0.053559	0.383984	AT4G10925	F-box protein SKIP8
13471470	5.85	5.35	1.41	0.146331	0.470765	AAT1	amino acid transporter 1
13537422	5.85	5.35	1.41	0.463456	0.643306	AT5G49500	Signal recognition particle SRP54 subunit protein
13373273	5.85	5.37	1.39	0.421753	0.61815	DEG15	protease DEG15
13511015	5.85	5.37	1.39	0.359929	0.586536	AT5G45760	transducin/WD40 domain-containing protein
13345796	5.85	5.41	1.36	0.190498	0.503959	AT1G29310	SecY protein transport family protein
13381324	5.85	5.43	1.34	0.270175	0.548311	PANK1	Pantothenate kinase 1
13473042	5.85	5.43	1.33	0.002697	0.253459	AT4G24590	hypothetical protein
13504733	5.85	5.49	1.28	0.26305	0.543971	AT5G23100	hypothetical protein
13427436	5.85	5.51	1.27	0.574139	0.715808	RRP45a	ribonuclease PH45A
13360191	5.85	5.53	1.25	0.427442	0.621602	AT1G77400	hypothetical protein
13346172	5.85	5.54	1.24	0.455127	0.638363	AT1G30300	metallo-beta-lactamase domain-containing protein
13496015	5.85	5.54	1.24	0.074435	0.410455	AT5G01090	concanavalin A-like lectin
13391717	5.85	5.55	1.23	0.636118	0.758115	AT2G04850	auxin-responsive-like protein
13358593	5.85	5.59	1.19	0.157978	0.480485	AT1G73130	hypothetical protein
13438342	5.85	5.6	1.19	0.678394	0.787135	AT3G52070	hypothetical protein
13503193	5.85	5.66	1.14	0.339685	0.577996	AT5G18850	hypothetical protein
13524498	5.85	5.68	1.13	0.75899	0.842166	AT5G10730	Rossmann-fold NAD(P)-binding domain-containing protein
13443112	5.85	5.73	1.08	0.580956	0.720723	RP2	pyruvate, phosphate dikinase regulatory protein 2
13393919	5.85	5.76	1.06	0.905478	0.942165	NIP2	NEP1-interacting protein 2
13426792	5.85	5.78	1.05	0.900546	0.938853	AT3G11340	UDP-glycosyltransferase-like protein
13472586	5.85	5.82	1.02	0.783517	0.859238	AT4G23895; AT4G23900	Pleckstrin homology (PH) domain-containing protein; nucleoside diphosphate kinase IV
13535587	5.85	5.84	1.01	0.88155	0.927601	ARAD2; AT5G44920	Exostosin family protein; Toll-Interleukin-Resistance domain-containing protein
13488183	5.85	5.88	-1.03	0.946581	0.968004	ACR7	ACT domain repeat 7 protein
13536080	5.85	5.92	-1.05	0.835932	0.896363	AT5G46160	large subunit ribosomal protein L14
13391789	5.85	5.93	-1.06	0.422843	0.618789	AT2G05260	alpha/beta-hydrolase domain-containing protein

13437652	5.85	5.94	-1.06	0.898848	0.937758	CEJ1	ethylene-responsive transcription factor ERF011
13490051	5.85	5.93	-1.06	0.745283	0.832711	AR192	molecular chaperone GrpE
13526925	5.85	5.95	-1.07	0.469918	0.646758	AAE5	acyl activating enzyme 5
13492757	5.85	6	-1.1	0.717075	0.81418	AT4G33070	pyruvate decarboxylase
13506886	5.85	6.07	-1.16	0.03734	0.360697	AT5G28460; AT5G28370; AT3G61520	pentatricopeptide repeat-containing protein
13367427	5.85	6.07	-1.17	0.59743	0.731118	AT1G13350	protein kinase domain-containing protein
13410458	5.85	6.19	-1.26	0.115758	0.446437	PRMT1A	protein arginine N-methyltransferase 1
13509073	5.85	6.46	-1.52	0.204101	0.511039	AT5G41140	Myosin heavy chain-related protein
13435379	5.85	6.63	-1.71	0.08319	0.417856	NIT2	nitrilase 2
13456158	5.84	3.63	4.61	0.047658	0.37767	AT3G44840	S-adenosyl-L-methionine-dependent methyltransferase-like protein
13356043	5.84	3.81	4.08	0.124058	0.453788	AT1G67150	hypothetical protein
13377364	5.84	4.34	2.83	0.106481	0.438708	AT1G49170	hypothetical protein
13477679	5.84	4.42	2.68	0.009686	0.296261	AT4G34750	SAUR-like auxin-responsive family protein
13336303	5.84	4.51	2.51	0.011506	0.298696	AT1G05860	hypothetical protein
13424438	5.84	4.71	2.19	0.087063	0.422399	GID1A	putative gibberellin receptor GID1L1
13450623	5.84	4.72	2.17	0.169569	0.48788	BSH	chromatin structure-remodeling complex protein BSH
13498272	5.84	4.8	2.04	0.189307	0.503111	AT5G06210	RNA recognition motif (RRM)-containing protein
13422110	5.84	4.93	1.87	0.114141	0.445268	AT2G46620	P-loop containing nucleoside triphosphate hydrolase-like protein
13539435	5.84	4.97	1.82	0.032729	0.353721	GAUT12	alpha-1,4-galacturonosyltransferase
13477599	5.84	4.98	1.81	0.065134	0.401596	AT4G34560	hypothetical protein
13489438	5.84	5.01	1.78	0.1758	0.492347	ZFWD1	zinc finger CCCH domain-containing protein 48
13502263	5.84	5.06	1.71	0.198711	0.508119	IPP1	Isopentenyl-diphosphate Delta-isomerase I
13452977	5.84	5.1	1.67	0.220325	0.52188	NRPD2A	nuclear RNA polymerase D2A
13450766	5.84	5.11	1.65	0.019599	0.322502	AT3G18140	transducin/WD40 domain-containing protein
13359775	5.84	5.12	1.65	0.20996	0.51522	AT1G76390	U-box domain-containing protein 43
13344131	5.84	5.18	1.57	0.082768	0.417856	EMB2421	FAD/NAD(P)-binding oxidoreductase family protein
13417304	5.84	5.26	1.5	0.318335	0.569572	AT2G35612	hypothetical protein
13452228	5.84	5.3	1.45	0.364084	0.589155	AT3G21400	hypothetical protein
13496558	5.84	5.3	1.45	0.14163	0.467992	PLL2	putative protein phosphatase 2C 66
13471799	5.84	5.33	1.43	0.282934	0.555661	AT4G21700	hypothetical protein
13528039	5.84	5.33	1.42	0.144775	0.470007	AT5G18790; AT3G06320	Ribosomal protein L33 family protein
13412987	5.84	5.36	1.4	0.31818	0.569548	PAPS2	poly(A) polymerase 2
13339238	5.84	5.39	1.37	0.334558	0.576585	COAB	phosphopantothenate--cysteine ligase 1
13383320	5.84	5.47	1.29	0.010462	0.296271	AT1G65032	hypothetical protein
13520041	5.84	5.48	1.28	0.281299	0.554599	AT5G66100	winged-helix DNA-binding transcription factor family protein
13407099	5.84	5.5	1.27	0.315931	0.568464	AT2G02148	hypothetical protein
13428360	5.84	5.54	1.23	0.354912	0.584465	AT3G14910	hypothetical protein

13540124	5.84	5.55	1.23	0.423337	0.619098	AT5G56670; AT4G29390; AT2G19750; ILL2	40S ribosomal protein S30; IAA-amino acid hydrolase ILR1-like 2
13395700	5.84	5.55	1.22	0.42629	0.62081	SK1	Shikimate kinase
13363666	5.84	5.57	1.21	0.412926	0.613595	AT1G05205	hypothetical protein
13440483	5.84	5.56	1.21	0.576218	0.716946	AT3G57280	Transmembrane proteins 14C
13539578	5.84	5.58	1.2	0.006453	0.282486	AT5G55100	SWAP/Surp domain-containing protein
13337615	5.84	5.57	1.2	0.60257	0.733926	AT1G08760	hypothetical protein
13365313	5.84	5.61	1.18	0.199901	0.509259	PS1	Presenilin-1
13513967	5.84	5.61	1.17	0.54894	0.698734	AT5G52410	hypothetical protein
13365748	5.84	5.66	1.14	0.566792	0.710763	HYL1	dsRNA-binding hyponastic leave 1 protein
13383051	5.84	5.7	1.11	0.667095	0.778908	AT1G64190; AT1G64185	6-phosphogluconate dehydrogenase; lactoylglutathione lyase / glyoxalase I-like protein
13357597	5.84	5.7	1.1	0.667702	0.779231	AT1G70790	calcium-dependent lipid-binding domain-containing protein
13387615	5.84	5.72	1.09	0.783544	0.859238	AT1G75220	sugar transporter ERD6-like 6
13392040	5.84	5.73	1.08	0.796365	0.868864	AT2G06025	acyl-CoA N-acyltransferases-like protein
13389500	5.84	5.76	1.06	0.813368	0.880625	05-Oct	organic cation/carnitine transporter5
13388172	5.84	5.79	1.04	0.817327	0.883239	CDKB2;1	cyclin-dependent kinase B2-1
13457297	5.84	5.8	1.03	0.750883	0.836744	AT3G47965	hypothetical protein
13525644	5.84	5.88	-1.03	0.865526	0.916142	AT5G13520; AT5G13510	leukotriene-A4 hydrolase; Ribosomal protein L10 family protein
13503023	5.84	6.13	-1.22	0.155244	0.478104	AT5G18550	zinc finger CCCH domain-containing protein 58
13528801	5.84	6.15	-1.24	0.130741	0.460628	AT5G20600	hypothetical protein
13473314	5.84	6.51	-1.59	0.087736	0.423636	SKS1	Monocopper oxidase-like protein SKS1
13335789	5.84	6.58	-1.67	0.011971	0.301412	PDLP2	cysteine-rich repeat secretory protein 3
13485482	5.84	6.71	-1.83	0.355327	0.584538	AT4G16500	cysteine proteinase inhibitor 4
13435396	5.84	7.36	-2.87	0.116558	0.446833	NIT3	nitrilase 3
13381070	5.83	4.4	2.7	0.023367	0.330182	TH7	thioredoxin H7
13442376	5.83	4.76	2.09	0.129453	0.459395	AT3G61670	hypothetical protein
13500714	5.83	4.8	2.04	0.133311	0.46288	AT5G12320	ankyrin repeat-containing protein
13402794	5.83	4.86	1.95	0.167967	0.487067	PGGT-I	geranylgeranyl transferase type-1 subunit beta
13395888	5.83	4.88	1.94	0.154084	0.477055	AT2G22450	3,4-dihydroxy 2-butanone 4-phosphate synthase
13364922	5.83	4.9	1.91	0.057315	0.392016	AT1G07970	hypothetical protein
13493010	5.83	4.92	1.87	0.161379	0.483432	MYB69	myb domain protein 69
13428760	5.83	4.97	1.82	0.015866	0.315359	AT3G15650	phospholipase/carboxylesterase family protein
13469536	5.83	4.97	1.82	0.031492	0.352126	AT4G16430	transcription factor bHLH3
13385791	5.83	4.97	1.81	0.146576	0.470962	GH9B1	endoglucanase 8
13434931	5.83	5	1.78	0.160329	0.482897	AT3G42170	BED zinc finger and hAT dimerization domain-containing protein
13419598	5.83	5.04	1.74	0.232378	0.528375	AT2G40860	putative protein phosphatase 2C 31
13524494	5.83	5.08	1.68	0.048059	0.37767	AT5G10700; AT5G10695	Peptidyl-tRNA hydrolase II (PTH2) family protein; hypothetical protein
13421895	5.83	5.1	1.65	0.103651	0.436308	AT2G46080	hypothetical protein
13491480	5.83	5.11	1.65	0.35909	0.586044	AT4G30240	Syntaxin/t-SNARE family protein

13410842	5.83	5.18	1.57	0.12415	0.453788	RIN13	RPM1 interacting protein 13
13348142	5.83	5.24	1.5	0.185092	0.49962	PDIL5-2	protein PDI-like 5-2
13543002	5.83	5.29	1.45	0.365845	0.590055	CDKE;1	cyclin-dependent kinase E-1
13403136	5.83	5.31	1.44	0.037982	0.362606	TBL28	trichome birefringence-like 28 protein
13369589	5.83	5.32	1.43	0.248826	0.536581	AT1G18210; RABA6b	putative calcium-binding protein CML27; RAB GTPase homolog A6B
13399706	5.83	5.39	1.36	0.466437	0.645004	FRS2	FAR1-related protein
13445564	5.83	5.39	1.35	0.021056	0.324489	AT3G06480	DEAD-box ATP-dependent RNA helicase 40
13360391	5.83	5.41	1.34	0.351945	0.582786	AT1G77890; AT1G77910	DNA-directed RNA polymerase II protein; hypothetical protein
13451630	5.83	5.44	1.31	0.464016	0.643501	TTN9	protein titan9
13517207	5.83	5.51	1.25	0.589855	0.726928	RHL41	C2H2-type zinc finger protein
13431946	5.83	5.52	1.23	0.295604	0.561114	TSO1	Tesmin/TSO1-like CXC domain-containing protein
13532479	5.83	5.53	1.23	0.147049	0.470962	AT5G35995	F-box/LRR-repeat protein
13448333	5.83	5.57	1.2	0.48727	0.656578	AT3G12340	FKBP-like peptidyl-prolyl cis-trans isomerase family protein
13540286	5.83	5.58	1.18	0.563104	0.70801	AT5G57040; AT5G57035	Lactoylglutathione lyase / glyoxalase I family protein; U-box domain-containing protein kinase family protein
13413801	5.83	5.6	1.17	0.072703	0.408352	NF-YB11	nuclear factor Y, subunit B11
13499201	5.83	5.6	1.17	0.149416	0.47236	AT5G08390	katanin p80 subunit-like protein
13342228	5.83	5.66	1.13	0.567542	0.711026	BES1	protein brassinazole-resistant 2
13462820	5.83	5.67	1.12	0.758309	0.84168	AT3G61420	transcription initiation factor TFIIH subunit H1
13504601	5.83	5.69	1.11	0.734735	0.826308	AT5G22794	hypothetical protein
13386949	5.83	5.71	1.08	0.638285	0.759159	AT1G73660	protein kinase-like protein
13478311	5.83	5.75	1.05	0.723945	0.81902	AT4G36190	Serine carboxypeptidase S28 family protein
13416954	5.83	5.85	-1.01	0.971908	0.983539	WRKY35	putative WRKY transcription factor 35
13516432	5.83	5.89	-1.04	0.759679	0.842526	AT5G58005	Cytochrome c oxidase, subunit Vib family protein
13473439	5.83	5.9	-1.05	0.916654	0.949611	MYB18	transcription factor LAF1
13419570	5.83	5.94	-1.08	0.652968	0.769732	AT2G40800	hypothetical protein
13403509	5.83	6.03	-1.15	0.504749	0.668458	AT2G41000	chaperone protein dnaJ 72
13437984	5.83	6.18	-1.27	0.013654	0.309482	AT3G51250	Senescence/dehydration-associated protein-like protein
13347098	5.83	6.21	-1.31	0.264007	0.544951	PKp3	plastidial pyruvate kinase 3
13519470	5.83	6.29	-1.38	0.023023	0.330115	ATH13	putative ABC transporter
13385109	5.83	6.31	-1.4	0.324962	0.573144	AT1G68850	peroxidase 11
13535857	5.83	6.6	-1.71	0.016074	0.315398	AT5G45590	Ribosomal protein L35
13512110	5.83	6.64	-1.75	0.138388	0.46568	ADG1	glucose-1-phosphate adenylyltransferase small subunit
13502745	5.83	7.03	-2.29	0.261968	0.543595	AT5G17630	Nucleotide/sugar transporter family protein
13451238	5.83	7.2	-2.59	0.405826	0.609101	AT3G19250	hypothetical protein
13545202	5.83	7.46	-3.09	0.335107	0.576654	ArthMp093	hypothetical protein
13529787	5.83	7.58	-3.36	0.059087	0.394681	NIC3	nicotinamidase 3
13341223	5.83	7.6	-3.4	0.024544	0.333211	GSTU24	glutathione S-transferase TAU 24
13490767	5.82	3.92	3.71	0.026762	0.339318	RMA2	E3 ubiquitin-protein ligase RMA2
13477903	5.82	3.94	3.7	0.003867	0.258853	XCP1	Xylem cysteine proteinase 1

13340027	5.82	4.43	2.63	0.092628	0.429659	FLP	FOUR LIPS transcription factor R2R3-MYB
13383079	5.82	4.7	2.16	0.131807	0.461866	AT1G64380	ethylene-responsive transcription factor ERF061
13409962	5.82	5.05	1.7	0.174762	0.491947	MPK7	mitogen-activated protein kinase 7
13538382	5.82	5.08	1.67	0.244611	0.535161	ACS12; AT5G51680	putative aminotransferase ACS12; hydroxyproline-rich glycoprotein family protein
13442804	5.82	5.1	1.65	0.033347	0.354018	NPL41	nuclear protein localization protein 4-like protein
13356987	5.82	5.11	1.64	0.357578	0.58514	AT1G69420	putative S-acyltransferase
13364091	5.82	5.11	1.63	0.194494	0.505856	GLX2-4	putative hydroxyacylglutathione hydrolase 2, chloroplast
13502618	5.82	5.14	1.6	0.033625	0.354018	AT5G17280	hypothetical protein
13510598	5.82	5.17	1.57	0.334129	0.576298	REV1	DNA repair protein REV1
13486827	5.82	5.28	1.45	0.100368	0.434607	AT4G19180	GDA1/CD39 nucleoside phosphatase family protein
13510813	5.82	5.31	1.43	0.099889	0.434356	RRS1	putative WRKY transcription factor 52
13416924	5.82	5.33	1.4	0.295815	0.561217	NF-YA4	nuclear transcription factor Y subunit A-4
13534836	5.82	5.34	1.4	0.356869	0.584818	AT5G43180	hypothetical protein
13375135	5.82	5.34	1.39	0.243119	0.534289	AT1G33400	tetratricopeptide repeat-containing protein
13512970	5.82	5.37	1.36	0.142152	0.468311	AT5G50110	glucose inhibited division protein B
13441144	5.82	5.41	1.33	0.386098	0.598571	GSL11	callose synthase
13537966	5.82	5.41	1.33	0.226339	0.525194	AT5G50520; AT5G50630	major facilitator protein
13361436	5.82	5.43	1.31	0.532705	0.687669	PSF1	GINS complex subunit 1
13488897	5.82	5.45	1.3	0.400068	0.605836	RGTA1	RAB geranylgeranyl transferase alpha subunit 1
13424399	5.82	5.45	1.29	0.130415	0.460489	AT3G04970	DHHC-type zinc finger-containing protein
13385135	5.82	5.48	1.27	0.551969	0.700916	WIT2	WPP domain-interacting tail-anchored protein 2
13417183	5.82	5.48	1.26	0.212033	0.517359	PLL1	protein phosphatase 2C 29
13521435	5.82	5.51	1.24	0.731373	0.824267	FLA11	fasciclin-like arabinogalactan protein 11
13505769	5.82	5.52	1.23	0.26173	0.543595	PEX4	putative ubiquitin-conjugating enzyme E2 21
13365034	5.82	5.54	1.22	0.391679	0.600932	AT1G08125	S-adenosylmethionine-dependent methyltransferase domain-containing protein
13499903	5.82	5.56	1.2	0.162346	0.484381	MYB92	myb domain protein 92
13423686	5.82	5.59	1.17	0.215568	0.519459	AT3G03320; AT3G03330	RNA-binding ASCH domain protein; Rossmann-fold NAD(P)-binding domain-containing protein
13483025	5.82	5.6	1.16	0.482514	0.653511	AT4G10940	RING/U-box protein
13415960	5.82	5.62	1.15	0.421751	0.61815	RLP22	receptor like protein 22
13481076	5.82	5.62	1.14	0.68677	0.792744	AT4G02720	hypothetical protein
13493764	5.82	5.66	1.12	0.63201	0.754867	AT4G35240	hypothetical protein
13414044	5.82	5.77	1.03	0.748719	0.83518	AT2G28060	5'-AMP-activated protein kinase beta-2 subunit protein
13427780	5.82	5.79	1.02	0.961597	0.97743	AT3G13690	protein kinase protein with adenine nucleotide alpha hydrolases-like domain-containing protein

13465591	5.82	5.79	1.02	0.899051	0.93792	AT4G04340	early-responsive to dehydration stress-related protein
13446253	5.82	5.85	-1.02	0.891122	0.933125	AT3G07700	protein kinase domain-containing protein
13539952	5.82	5.89	-1.05	0.644919	0.763574	ARP8	actin-related protein 8
13491573	5.82	5.97	-1.11	0.711799	0.81034	AT4G30490	AFG1-like protein
13447412	5.82	6.98	-2.24	0.033724	0.354018	LGO	loss of giant cells from organs protein
13525049	5.82	7.11	-2.45	0.236004	0.530405	AT5G11990	proline-rich family protein
13383099	5.82	7.64	-3.54	0.280978	0.554564	AT1G64450	glycine-rich uncharacterized protein
13436198	5.81	4.35	2.75	0.060287	0.395953	PCL1	protein phytoclock 1
13510910	5.81	4.4	2.66	0.111371	0.442936	AT5G45490; AT5G45480	putative disease resistance protein; hypothetical protein
13483870	5.81	4.57	2.37	0.096008	0.431952	AT4G13200	hypothetical protein
13439516	5.81	4.65	2.22	0.112067	0.443327	PUB14	U-box domain-containing protein 14
13529840	5.81	4.67	2.19	0.058179	0.392965	AT5G23405	HMG-box (high mobility group) DNA-binding protein
13410316	5.81	4.72	2.12	0.05793	0.39275	AT2G19310	HSP20-like chaperone
13456178	5.81	4.77	2.05	0.003222	0.253459	AT3G44940	hypothetical protein
13475867	5.81	4.81	2	0.111889	0.443131	AT4G31110	wall-associated receptor kinase-like 18
13538283	5.81	4.81	1.99	0.189719	0.503363	AT5G51390	hypothetical protein
13543877	5.81	4.95	1.82	0.030386	0.350098	AT5G65687	major facilitator protein
13457042	5.81	4.96	1.8	0.194273	0.505856	AT3G47160	RING/U-box domain-containing protein
13412858	5.81	5.07	1.67	0.244189	0.53484	emb2410	embryo defective 2410 protein
13422849	5.81	5.07	1.67	0.346813	0.58045	MBD9	methyl-CPG-binding domain 9
13408732	5.81	5.09	1.64	0.133636	0.463251	AT2G13820	Non-specific lipid-transfer protein-like protein
13505091	5.81	5.11	1.62	0.038292	0.363017	TUB8	tubulin beta-8 chain
13500769	5.81	5.12	1.61	0.449264	0.635232	AT5G12950	hypothetical protein
13450399	5.81	5.18	1.55	0.363249	0.588601	AT3G16990	heme oxygenase-like, multi-helical protein
13497948	5.81	5.19	1.54	0.155941	0.478792	SDN2	small RNA degrading nuclease 2
13508631	5.81	5.2	1.53	0.177459	0.493515	ERA1	protein farnesyltransferase subunit beta
13338624	5.81	5.22	1.51	0.2685	0.547126	AT1G11050	putative receptor-like protein kinase
13527500	5.81	5.22	1.51	0.220824	0.522049	AT5G17620	hypothetical protein
13403821	5.81	5.23	1.5	0.16301	0.484829	AT2G41520	DNAJ heat shock N-terminal domain-containing protein
13401907	5.81	5.3	1.43	0.098604	0.433275	AT2G37360	ABC transporter G family member 2
13527822	5.81	5.33	1.39	0.423801	0.619363	AT5G18400	Cytokine-induced anti-apoptosis inhibitor 1, Fe-S biogenesis
13339960	5.81	5.35	1.38	0.594206	0.72928	AT1G14240	GDA1/CD39 nucleoside phosphatase family protein
13490807	5.81	5.4	1.33	0.068363	0.406403	AAC3	ADP/ATP carrier 3 protein
13404495	5.81	5.41	1.31	0.3331	0.576298	ETFQO	electron-transferring-flavoprotein dehydrogenase
13345959	5.81	5.43	1.3	0.274241	0.550583	AT1G29760	Putative adipose-regulatory protein (Seipin)
13427187	5.81	5.44	1.3	0.378971	0.594748	PRMT3	protein arginine N-methyltransferase 3
13378367	5.81	5.45	1.28	0.561185	0.706623	AT1G51850	Leucine-rich repeat protein kinase family protein
13512407	5.81	5.48	1.26	0.156746	0.479551	AT5G48960	HAD-superfamily hydrolase, subfamily IG, 5'-nucleotidase
13441179	5.81	5.48	1.25	0.412916	0.613595	AT3G59110	protein kinase family protein

13393428	5.81	5.51	1.23	0.247637	0.536315	AT2G16750	adenine nucleotide alpha hydrolases-domain containing protein kinase
13523777	5.81	5.52	1.22	0.019959	0.322692	AT5G09310	presenilin enhancer 2
13443475	5.81	5.55	1.2	0.395389	0.603352	AT3G01940	hypothetical protein
13446149	5.81	5.54	1.2	0.588598	0.726433	NS2	asparaginyl-tRNA synthetase, cytoplasmic 2
13453983	5.81	5.56	1.19	0.635932	0.757993	AT3G26590	mate efflux domain-containing protein
13459903	5.81	5.56	1.19	0.245737	0.5354	SRS6	SHI-related sequence 6
13543554	5.81	5.56	1.19	0.237608	0.531794	DPE1	4-alpha-glucanotransferase-like protein
13475734	5.81	5.59	1.17	0.20118	0.510163	AT4G30900	endonuclease/exonuclease/phosphatase domain-containing protein
13417189	5.81	5.59	1.16	0.616631	0.744558	AT2G35360	ubiquitin-like protein
13519190	5.81	5.65	1.12	0.040806	0.366125	HEN4	HEN4 isoform 2
13444984	5.81	5.68	1.1	0.398657	0.605002	AT3G05350	metallopeptidase M24-like protein
13518794	5.81	5.71	1.07	0.712841	0.810869	AT5G63550	DEK domain-containing chromatin associated protein
13457658	5.81	5.77	1.03	0.830732	0.892629	AT3G49060	U-box domain-containing protein 32
13512267	5.81	5.95	-1.1	0.770937	0.850722	SMC3	structural maintenance of chromosomes protein 4
13484263	5.81	5.97	-1.12	0.78104	0.857512	AT-HSFA5	heat stress transcription factor A-5
13477107	5.81	6.13	-1.25	0.61419	0.742708	BCA5; AT4G33585	beta carbonic anhydrase 5; hypothetical protein
13359285	5.81	6.16	-1.28	0.130392	0.460489	AT1G75000	GNS1/SUR4 membrane-like protein
13469100	5.81	6.2	-1.31	0.420562	0.617471	AT4G15540	EamA-like transporter-like protein
13534461	5.81	6.27	-1.38	0.424155	0.619627	AT5G42130	Mitochondrial substrate carrier family protein
13475634	5.81	6.36	-1.46	0.082997	0.417856	AT4G30660; AT4G30662	putative low temperature and salt responsive protein; hypothetical protein
13543833	5.81	6.62	-1.75	0.006076	0.280665	AT5G65530	protein kinase family protein
13404889	5.81	6.71	-1.86	0.209739	0.514898	BGLU15	beta glucosidase 15
13405890	5.81	6.99	-2.28	0.000713	0.212884	AT2G46600	calcium-binding EF-hand-containing protein
13446614	5.81	8.41	-6.07	0.018822	0.321499	PYD4	PYRIMIDINE 4
13501489	5.8	3.35	5.47	0.111506	0.443023		
13389141	5.8	3.43	5.14	0.022004	0.326278	AT1G78860	putative glycoprotein (EP1)
13483134	5.8	4.15	3.13	0.054863	0.386317	AT4G11230	putative respiratory burst oxidase-I
13387376	5.8	4.57	2.35	0.061655	0.398106	AT1G74770	zinc ion binding protein
13350584	5.8	4.69	2.16	0.102394	0.43559	AT1G50970	membrane trafficking VPS53-like protein
13490553	5.8	4.7	2.14	0.013169	0.305732	OPT6	oligopeptide transporter 6
13416075	5.8	4.86	1.92	0.059344	0.39493	ZFN2	zinc finger CCCH domain-containing protein 26
13356886	5.8	4.88	1.9	0.000624	0.207323	AT1G69170	squamosa promoter-binding-like protein 6
13349467	5.8	4.89	1.88	0.30175	0.563858	AT1G48170; AT1G48160	hypothetical protein; signal recognition particle subunit SRP19
13423324	5.8	4.89	1.87	0.183468	0.498248	AT3G02460	RabGAP/TBC domain-containing protein
13344596	5.8	4.98	1.77	0.065502	0.402176	CIB5	transcription factor bHLH76
13524365	5.8	5.01	1.72	0.014907	0.313095	GRF6	14-3-3-like protein GF14 lambda
13431392	5.8	5.02	1.71	0.145644	0.470297	PGR7	proton gradient regulation 7
13400831	5.8	5.11	1.62	0.308851	0.566544	EDA3	embryo sac development arrest 3 protein
13448914	5.8	5.11	1.61	0.000678	0.211115	WIP3	WPP domain-interacting protein 3
13463607	5.8	5.14	1.58	0.137691	0.46568	AT3G63240	endonuclease/exonuclease/phosphatase domain-containing protein

13407332	5.8	5.16	1.56	0.151302	0.473698	AT2G02910	hypothetical protein
13414291	5.8	5.17	1.55	0.159965	0.482462	AT2G28755	UDP-D-glucuronate carboxy-lyase-related protein
13344739	5.8	5.22	1.5	0.063254	0.399267	AT1G26660	Prefoldin chaperone subunit family protein
13351339	5.8	5.25	1.46	0.258473	0.541251	AT1G52720	hypothetical protein
13426284	5.8	5.26	1.45	0.454087	0.637483	AT3G09980	hypothetical protein
13378851	5.8	5.3	1.41	0.140077	0.466502	NAM	NAC domain-containing protein 18
13380541	5.8	5.32	1.39	0.099925	0.434356	AT1G57600	MBOAT (membrane bound O-acyl transferase)-like protein
13533527	5.8	5.33	1.39	0.079661	0.414219	AT5G39410	Saccharopine dehydrogenase
13465432	5.8	5.37	1.35	0.375546	0.593207	AT4G03635	hypothetical protein
13433172	5.8	5.41	1.31	0.500577	0.665424	AT3G25600	putative calcium-binding protein CML16
13477226	5.8	5.41	1.31	0.463678	0.643345	AT4G33940	RING/U-box domain-containing protein
13350753	5.8	5.43	1.3	0.057046	0.391414	DABB1	dimeric A/B barrel domainS-protein 1
13433898	5.8	5.43	1.29	0.221565	0.522805	AT3G27350	hypothetical protein
13405441	5.8	5.48	1.25	0.646868	0.765031	AT2G45695	ubiquitin-related modifier 1-1
13532335	5.8	5.49	1.23	0.425979	0.620795	AT5G35680; iqd33	Nucleic acid-binding, OB-fold-like protein; protein IQ-domain 33
13364579	5.8	5.53	1.21	0.009874	0.296261	AT1G07220	hypothetical protein
13459053	5.8	5.54	1.2	0.528073	0.685028	GTE6	transcription factor GTE6
13375498	5.8	5.58	1.16	0.601687	0.733328	EMB2756	hypothetical protein
13405765	5.8	5.62	1.14	0.343486	0.579057	JAR1	putative auxin-responsive protein
13398384	5.8	5.63	1.13	0.119313	0.44985	AT2G28810	Dof zinc finger protein DOF2.2
13395686	5.8	5.7	1.07	0.752883	0.838123	AT2G21850	Cysteine/Histidine-rich C1 domain family protein
13534067	5.8	5.75	1.04	0.868508	0.918204	AT5G40980	hypothetical protein
13475320	5.8	5.82	-1.02	0.925548	0.955086	AT4G29750	CRS1 / YhbY (CRM) domain-containing protein
13376559	5.8	5.84	-1.03	0.768236	0.848703	WPP2	WPP domain-containing protein 2
13379877	5.8	5.91	-1.08	0.124012	0.453788	AT1G55535	hypothetical protein
13407677	5.8	5.96	-1.12	0.322603	0.571736	AT2G04100	MATE efflux family protein
13487931	5.8	6.09	-1.23	0.004483	0.262292	AT4G22240	putative plastid-lipid-associated protein 2
13354541	5.8	6.11	-1.24	0.117064	0.446922	AT1G62970	chaperone DnaJ-domain containing protein
13450558	5.8	6.23	-1.35	0.08056	0.41519	MTO3	S-adenosylmethionine synthase 4
13372194	5.8	6.63	-1.78	0.289877	0.558085	AT1G24909; AT1G25155; AT1G25083; AT1G24807; ASB1; AT5G57890	anthranilate synthase component II; anthranilate synthase beta subunit 1
13372220	5.8	6.63	-1.78	0.289877	0.558085	AT1G24909; AT1G25155; AT1G25083; AT1G24807; ASB1; AT5G57890	anthranilate synthase component II; anthranilate synthase beta subunit 1
13432541	5.8	6.66	-1.82	0.053951	0.384464	GAE6	UDP-D-glucuronate 4-epimerase 6
13515617	5.79	2.71	8.44	0.030943	0.351017	AT5G56100	glycine-rich protein / oleosin
13462353	5.79	3.4	5.23	0.062397	0.398248	MRP9	ABC transporter C family member 9
13359790	5.79	3.54	4.75	0.016054	0.315398	ATL8	RING-H2 finger protein ATL8
13509703	5.79	3.67	4.36	0.053757	0.3842	AT5G42591	hypothetical protein

13516788	5.79	4.56	2.35	0.007964	0.290374	AT5G58620; AT5G58630	zinc finger CCCH domain-containing protein 66; hypothetical protein
13521059	5.79	4.57	2.33	0.017891	0.319749	AT5G01930; STN8	mannan endo-1,4-beta-mannosidase 6; protein kinase family protein
13508271	5.79	4.68	2.16	0.143194	0.469019	AT5G39020	putative receptor-like protein kinase
13444040	5.79	4.73	2.09	0.064122	0.400648	LCAT3	phospholipase A(1) LCAT3
13436209	5.79	4.79	1.99	0.033936	0.354092	AT3G46666	hypothetical protein
13462526	5.79	4.88	1.87	0.202559	0.510485	TTN1	armadillo/beta-catenin-like repeat-containing protein
13338072	5.79	4.93	1.81	0.124027	0.453788	AT1G09645	hypothetical protein
13425070	5.79	4.98	1.75	0.144589	0.46975	AT3G06530	U3 small nucleolar RNA-associated protein 10 and NUC211 domain-containing protein
13505685	5.79	5.04	1.67	0.09536	0.431535	AT5G25490	Ran BP2/NZF zinc finger-like protein
13449336	5.79	5.07	1.65	0.192413	0.505422	AT3G14180	sequence-specific DNA binding transcription factor
13425527	5.79	5.09	1.62	0.320152	0.570636	ADT2	arogenate dehydratase 2
13522384	5.79	5.1	1.61	0.159146	0.481599	CPD	cytochrome P450 90A1
13412108	5.79	5.14	1.57	0.013603	0.30942	BLH4	BEL1-like homeodomain 4
13351944	5.79	5.21	1.49	0.251132	0.538315	CCX4	cation/calcium exchanger 4
13445647	5.79	5.21	1.49	0.379042	0.594793	AT3G06620	PAS domain-containing tyrosine kinase-like protein
13384699	5.79	5.23	1.48	0.133847	0.463251	AT1G67800	Copine (Calcium-dependent phospholipid-binding protein) family protein
13373581	5.79	5.27	1.43	0.471118	0.647372	AT1G29220; AT1G29200	transcriptional regulator family protein; O-fucosyltransferase-like protein
13517437	5.79	5.3	1.4	0.462134	0.642726	AT5G60370	hypothetical protein
13470887	5.79	5.33	1.38	0.431647	0.624159	CYCT1;4	cyclin-T1-4
13539858	5.79	5.33	1.38	0.227478	0.525653	AT5G55790	hypothetical protein
13380910	5.79	5.36	1.35	0.524576	0.682257	AT1G58320	PLAC8 family protein
13464535	5.79	5.39	1.32	0.251362	0.53846	AT4G01740	cysteine/histidine-rich C1 domain-containing protein
13397339	5.79	5.41	1.31	0.205715	0.512592	3BETAHSD/D2	3beta-hydroxysteroid-dehydrogenase/decarboxylase isoform 2
13426152	5.79	5.4	1.31	0.461578	0.642446	AT3G09690	alpha/beta-hydrolase domain-containing protein
13535925	5.79	5.41	1.3	0.198031	0.507953	AT5G45775; RPL16B; AT3G58700	60S ribosomal protein L11-2
13465033	5.79	5.46	1.26	0.665575	0.77786	AT4G02630	protein kinase family protein
13515577	5.79	5.48	1.24	0.257227	0.541232	AT5G56020	Got1/Sft2-like vescicle transport protein
13430105	5.79	5.49	1.23	0.467292	0.645127	AT3G18410	NADH dehydrogenase (ubiquinone) 1 beta subcomplex 10
13354114	5.79	5.53	1.2	0.184345	0.498908	AT1G61600	hypothetical protein
13455810	5.79	5.6	1.13	0.53342	0.688042	AT3G43610	Spc97 / Spc98 family of spindle pole body (SBP) component
13336840	5.79	5.66	1.09	0.599126	0.731685	AT1G07070	60S ribosomal protein L35a-1
13500000	5.79	5.75	1.03	0.910629	0.945941	AT5G10625	hypothetical protein
13347874	5.79	5.82	-1.01	0.781443	0.857757	AT1G34470	hypothetical protein
13361202	5.79	5.88	-1.07	0.857204	0.910699	DTA4	downstream target of AGL15-4
13465756	5.79	5.89	-1.08	0.173784	0.490884	MED21	protein mediator 21

13425820	5.79	6.05	-1.2	0.549987	0.69959	UBC11	ubiquitin-conjugating enzyme E2 11
13417478	5.79	6.3	-1.42	0.042887	0.37001	AT2G36080	B3 domain-containing protein
13538993	5.79	6.65	-1.81	0.34371	0.579122	CRF3	ethylene-responsive transcription factor CRF3
13401303	5.79	6.8	-2.01	0.014457	0.313095	FLA16	fasciclin-like arabinogalactan protein 16
13425033	5.79	6.89	-2.15	0.313771	0.568024	AT3G06470	GNS1/SUR4 membrane-like protein
13523604	5.78	4.77	2.02	0.174849	0.491983	ILP1	GC-rich sequence DNA-binding factor
13472465	5.78	4.83	1.93	0.096355	0.43261	AT4G23590	tyrosine transaminase-like protein
13375799	5.78	4.85	1.91	0.024393	0.333062	AT1G36070	transducin/WD-40 repeat-containing protein
13427615	5.78	4.87	1.87	0.000177	0.180448	BRL3	receptor-like protein kinase BRI1-like 3
13502900	5.78	4.89	1.86	0.006527	0.282667	AT5G18140	chaperone DnaJ-domain containing protein
13386857	5.78	4.96	1.76	0.203808	0.511039	SUS6	sucrose synthase 6
13428893	5.78	4.99	1.73	0.342192	0.578887	CES101	lectin receptor kinase CES101
13431490	5.78	5.01	1.7	0.04884	0.377942	AT3G21465	hypothetical protein
13469404	5.78	5.06	1.65	0.306078	0.565302	RR2	two-component response regulator ARR2
13365817	5.78	5.07	1.64	0.142492	0.468651	ECT11	evolutionarily conserved C-terminal region 11 protein
13488852	5.78	5.08	1.62	0.109813	0.441069	EMB140	protein embryo defective 140
13367549	5.78	5.1	1.6	0.205898	0.512597	AT1G13570	F-box/FBD/LRR-repeat protein containing protein
13363548	5.78	5.12	1.58	0.023442	0.330182	AT1G05030	putative plastidic glucose transporter 1
13387639	5.78	5.14	1.57	0.009778	0.296261	AT1G75300; AT1G75290	NmrA-like negative transcriptional regulator-like protein; isoflavone reductase-like protein
13374199	5.78	5.14	1.56	0.029164	0.348027	AT1G30600	subtilase-like protein
13419177	5.78	5.16	1.53	0.013874	0.310787	DAR2	DA1-related protein 2
13522869	5.78	5.2	1.5	0.342054	0.578823	AT5G06780	Emsy N Terminus and plant Tudor-like domain-containing protein
13536087	5.78	5.2	1.5	0.35242	0.583076	AT5G46170	F-box protein
13423068	5.78	5.21	1.48	0.118117	0.448003	AT3G01920	putative translation factor
13543726	5.78	5.22	1.47	0.330266	0.575506	AT5G65300	hypothetical protein
13488019	5.78	5.24	1.45	0.201893	0.510189	AT4G22350	U4/U6.U5 tri-snRNP-associated protein 2
13512521	5.78	5.25	1.45	0.361805	0.587911	MET1	DNA (cytosine-5)-methyltransferase 1
13432724	5.78	5.29	1.41	0.34326	0.579024	SYP32	syntaxin-32
13464918	5.78	5.31	1.39	0.091398	0.428598	AT4G02430	splicing factor SR1B
13468800	5.78	5.32	1.37	0.126436	0.455595	FAR1	protein FAR-RED IMPAIRED RESPONSE 1
13419099	5.78	5.34	1.36	0.151392	0.473698		
13335176	5.78	5.36	1.34	0.339891	0.578023	AT1G03150	peptide alpha-N-acetyltransferase
13485787	5.78	5.35	1.34	0.202489	0.510485	AT4G17020; AT4G17010	transcription initiation factor TFIIH subunit H4; hypothetical protein
13484666	5.78	5.38	1.32	0.660278	0.775053	ATARD2	1,2-dihydroxy-3-keto-5-methylthiopentene dioxygenase 3
13389793	5.78	5.38	1.31	0.060319	0.395982	SGB1; TED3	putative plastidic glucose transporter 3; peroxin-2
13429805	5.78	5.41	1.29	0.299339	0.562613	SURF1	Surfeit locus 1 cytochrome c oxidase biogenesis protein
13383103	5.78	5.43	1.28	0.347875	0.580699	AT1G64460	protein kinase-like protein
13431408	5.78	5.43	1.27	0.42601	0.620795	AT3G21290	dentin sialophosphoprotein-like protein
13362703	5.78	5.47	1.24	0.296767	0.562037	AT1G03260	SNARE associated Golgi protein family
13348811	5.78	5.5	1.21	0.168693	0.487389	PUP11	purine permease 11

13452527	5.78	5.5	1.21	0.303194	0.564046	IQD5; AT3G22183	protein IQ-domain 5; hypothetical protein
13466360	5.78	5.51	1.21	0.219455	0.521515	AT4G08455	BTB/POZ domain-containing protein
13478379	5.78	5.52	1.2	0.4732	0.648252	AT4G36400	D-2-hydroxyglutarate dehydrogenase
13543476	5.78	5.52	1.2	0.640332	0.760374	AT5G64650	large subunit ribosomal protein L17
13545647	5.78	5.53	1.19	0.535225	0.689294	AT5G08230	Tudor/PWWP/MBT domain-containing protein
13443869	5.78	5.57	1.16	0.755564	0.840035	THO7	Tho complex subunit 7/Mft1p
13441750	5.78	5.58	1.15	0.100149	0.434576	AT3G60410	hypothetical protein
13478177	5.78	5.66	1.09	0.733773	0.825787	AT4G35840	NEP1-interacting protein 1
13438913	5.78	5.68	1.07	0.679668	0.788006	AT3G53390	transducin/WD40 domain-containing protein
13422099	5.78	5.72	1.04	0.103092	0.435908	AT2G46610	RNA recognition motif-containing protein
13465372	5.78	5.74	1.02	0.824792	0.888228	GSL05	callose synthase 12
13401432	5.78	5.84	-1.04	0.699038	0.801792	AT2G36220	hypothetical protein
13526692	5.78	5.88	-1.07	0.835363	0.895954	GNA1	glucose-6-phosphate acetyltransferase 1
13396016	5.78	5.92	-1.1	0.804469	0.874219	AT2G22680	C3HC4-type RING finger domain-containing protein
13389725	5.78	5.98	-1.14	0.556505	0.70371	AT1G79700	AP2-like ethylene-responsive transcription factor
13492459	5.78	5.99	-1.16	0.324559	0.573051	AT4G32460; AT4G32450	hypothetical protein; pentatricopeptide repeat-containing protein
13486805	5.78	6.01	-1.18	0.344195	0.579386	ERD3	putative methyltransferase PMT21
13481525	5.78	6.03	-1.19	0.177583	0.493515	AT4G03820	hypothetical protein
13455946	5.78	6.09	-1.23	0.577878	0.717964	AT3G44190	FAD/NAD(P)-binding oxidoreductase family protein
13362965	5.78	6.13	-1.27	0.321884	0.571488	FLA9	fasciclin-like arabinogalactan protein 9
13437442	5.78	6.13	-1.28	0.020731	0.324125	NACA2	nascent polypeptide-associated complex subunit alpha-like protein 2
13426050	5.78	6.26	-1.39	0.122127	0.452662	AT3G09360	Cyclin/Brf1-like TBP-binding protein
13471771	5.78	6.57	-1.73	0.208558	0.51419	AT4G21620	glycine-rich protein
13348918	5.78	6.63	-1.81	0.072844	0.408418	AT1G44970	peroxidase 9
13389386	5.78	7.45	-3.19	0.00284	0.253459	AT1G79160	hypothetical protein
13388301	5.77	3.99	3.43	0.016172	0.315398	GT2	SANT DNA-binding domain-containing protein
13367175	5.77	4.38	2.62	0.005838	0.279573	AT1G12790	hypothetical protein
13357047	5.77	4.53	2.36	0.096798	0.43273	AT1G69526	S-adenosylmethionine-dependent methyltransferase domain-containing protein
13420284	5.77	4.54	2.35	0.033351	0.354018	AT2G42280; AT2G42270	transcription factor bHLH130; U5 small nuclear ribonucleoprotein helicase
13535385	5.77	5.06	1.63	0.039497	0.364881	AT5G44410	FAD-binding and BBE domain-containing protein
13463930	5.77	5.13	1.56	0.012272	0.301412	RLK4	receptor-like protein kinase 4
13506344	5.77	5.2	1.48	0.124588	0.453788	AT5G27240	DNAJ heat shock N-terminal domain-containing protein
13380044	5.77	5.21	1.47	0.282853	0.55561	AT1G55760	BTB/POZ domain-containing protein
13448634	5.77	5.22	1.47	0.108259	0.440165	AT3G12970	hypothetical protein
13463779	5.77	5.21	1.47	0.156903	0.479551	BB	E3 ubiquitin ligase BIG BROTHER
13363625	5.77	5.23	1.46	0.169422	0.48788	AT1G05170	putative beta-1,3-galactosyltransferase 2
13363927	5.77	5.24	1.44	0.172863	0.490173	AT1G05640	ankyrin repeats-containing protein
13485541	5.77	5.27	1.41	0.062901	0.398812	AT4G16580	putative protein phosphatase 2C 55
13536659	5.77	5.27	1.41	0.076729	0.411511	AT5G47700	60S acidic ribosomal protein P1-3

13362784	5.77	5.28	1.4	0.028046	0.34467	LIN2	Coproporphyrinogen III oxidase
13418936	5.77	5.29	1.4	0.130862	0.460628	AT2G39300	hypothetical protein
13475545	5.77	5.3	1.38	0.521873	0.680257	AT4G30350	heat shock-related protein
13416334	5.77	5.36	1.33	0.244884	0.535223	AT2G33370; AT1G04480; emb2171	60S ribosomal protein L23
13431336	5.77	5.37	1.32	0.376067	0.593207	AT3G21100	RNA recognition motif-containing protein
13447665	5.77	5.38	1.31	0.322515	0.57165	AT3G10970	haloacid dehalogenase-like hydrolase
13448738	5.77	5.4	1.3	0.06249	0.398248	AT3G13120	30S ribosomal protein S10
13492135	5.77	5.43	1.26	0.314851	0.568201	AT4G31810	3-hydroxyisobutyryl-CoA hydrolase-like protein 2
13539423	5.77	5.46	1.24	0.502706	0.666985	Fh5	formin-like protein 5
13417988	5.77	5.47	1.23	0.210805	0.5161	AT2G37035	hypothetical protein
13427883	5.77	5.49	1.21	0.101451	0.435272	AT3G13882	Ribosomal protein L34
13337390	5.77	5.51	1.2	0.121968	0.452662	HDA08	histone deacetylase 8
13543534	5.77	5.52	1.18	0.66873	0.779985	AT5G64830	programmed cell death 2 C-terminal domain-containing protein
13392944	5.77	5.54	1.17	0.674694	0.784469	MEE13	myosin heavy chain-related protein
13388755	5.77	5.6	1.13	0.378037	0.594228	AT1G77770; AT1G77765	hypothetical protein
13346431	5.77	5.62	1.11	0.117097	0.44698	AT1G30680	toprim domain-containing protein
13475686	5.77	5.63	1.1	0.819285	0.884385	AT4G30820	CDK-activating kinase assembly factor MAT1
13362553	5.77	5.67	1.07	0.504274	0.668289	GSTF6	glutathione S-transferase 1
13372670	5.77	5.68	1.06	0.577357	0.717663	AT1G26520; AT1G26530	Cobalamin biosynthesis CobW-like protein; PIN domain-containing protein
13440062	5.77	5.68	1.06	0.62487	0.749755	AT3G56120	S-adenosyl-L-methionine-dependent methyltransferase-like protein
13354448	5.77	5.74	1.02	0.888956	0.931997	KAS III	3-oxoacyl-[acyl-carrier-protein] synthase III
13405164	5.77	5.79	-1.01	0.865218	0.915947	AT2G45010	PLAC8 family protein
13341008	5.77	5.85	-1.06	0.664419	0.777113	HCF173	high chlorophyll fluorescence phenotype 173 protein
13361195	5.77	5.92	-1.11	0.760972	0.843465	AT1G79710; AT1G79720	major facilitator protein; aspartyl protease-like protein
13376232	5.77	6.01	-1.18	0.427479	0.621624	AAP5	amino acid permease 5
13412384	5.77	6.06	-1.22	0.45101	0.635828	RPA2; AT2G24480	replicon protein A2; C3HC4-type RING finger domain-containing protein
13451862	5.77	6.12	-1.27	0.123062	0.453516	AT3G20640	transcription factor bHLH123
13402182	5.77	6.18	-1.33	0.726522	0.820869	AT3G51140	hypothetical protein
13456427	5.77	6.2	-1.35	0.5919	0.727981	TET3; SEN1	tetraspanin3; tRNA-splicing endonuclease subunit Sen2-1
13468691	5.77	6.23	-1.38	0.184214	0.49884	AT4G14930	5'-nucleotidase
13429290	5.77	6.6	-1.77	0.210638	0.515866	AT3G16800	putative protein phosphatase 2C 41
13406334	5.77	6.67	-1.87	0.118723	0.449108	AT2G47540	pollen Ole e 1 allergen and extensin family protein
13346598	5.77	7.09	-2.5	0.453327	0.637042	AT4G26380	cysteine/histidine-rich C1 domain-containing protein
13356880	5.77	7.09	-2.5	0.453327	0.637042	AT4G26380	cysteine/histidine-rich C1 domain-containing protein

13395867	5.77	7.09	-2.5	0.453327	0.637042	AT4G26380	cysteine/histidine-rich C1 domain-containing protein
13411603	5.77	7.09	-2.5	0.453327	0.637042	AT4G26380	cysteine/histidine-rich C1 domain-containing protein
13453704	5.77	7.09	-2.5	0.453327	0.637042	AT4G26380	cysteine/histidine-rich C1 domain-containing protein
13489860	5.77	7.09	-2.5	0.453327	0.637042	AT4G26380	cysteine/histidine-rich C1 domain-containing protein
13489862	5.77	7.09	-2.5	0.453327	0.637042	AT4G26380	cysteine/histidine-rich C1 domain-containing protein
13501968	5.77	7.09	-2.5	0.453327	0.637042	AT4G26380	cysteine/histidine-rich C1 domain-containing protein
13423479	5.76	4.13	3.11	0.19423	0.505856	AT3G02790	C2H2-type zinc finger-containing protein
13467189	5.76	4.31	2.73	0.002045	0.253459	AT4G10720; AT4G10730	ankyrin repeat-containing protein; protein kinase-like protein
13529444	5.76	4.7	2.08	0.069728	0.406403	INV-E	alkaline/neutral invertase
13447784	5.76	4.75	2.02	0.013607	0.30942	AT3G11280	duplicated SANT DNA-binding domain-containing protein
13397590	5.76	4.77	1.98	0.099862	0.434356	PP2-A3	phloem protein 2-LIKE A3
13429660	5.76	4.84	1.9	0.000694	0.211115	CNBT1	cyclic nucleotide gated channel
13484580	5.76	4.84	1.9	0.05004	0.380095	AT4G14385	chromatin modification-related protein EAF6
13346261	5.76	4.89	1.83	0.361486	0.5879	MRP12	ABC transporter C family member 11
13508214	5.76	4.91	1.81	0.032679	0.353411	BIM3	transcription factor BIM3
13527420	5.76	4.94	1.76	0.0218	0.325596	IRX3	cellulose synthase A catalytic subunit 7 [UDP-forming]
13528750	5.76	4.97	1.72	0.075181	0.410503	AL5	alfin-like 5 protein
13351543	5.76	5.02	1.67	0.316095	0.568464	AT1G53180	hypothetical protein
13382967	5.76	5.04	1.64	0.153438	0.476451	ISPF	2-C-methyl-D-erythritol 2,4-cyclodiphosphate synthase
13441359	5.76	5.05	1.63	0.177306	0.493375	AT3G59500	YIF1 integral membrane domain-containing protein
13403913	5.76	5.06	1.62	0.170183	0.48812	AT2G41820	Leucine-rich repeat protein kinase-like protein
13525181	5.76	5.06	1.62	0.07535	0.410503	DGS1	dgd1 suppressor 1
13365323	5.76	5.07	1.61	0.092431	0.429659	AT1G08800	hypothetical protein
13360542	5.76	5.12	1.56	0.031178	0.351447	UNE2	putative transporter
13441933	5.76	5.12	1.55	0.26781	0.546492	ARP7	actin-related protein 7
13530893	5.76	5.13	1.55	0.239869	0.532766	AT5G25510; AT5G25500	protein phosphatase 2A regulatory B subunit; hypothetical protein
13367831	5.76	5.16	1.51	0.295761	0.561217	WHY1	ssDNA-binding transcriptional regulator
13469244	5.76	5.18	1.5	0.022573	0.327966	AT4G15840	BTB/POZ domain-containing protein
13472512	5.76	5.2	1.47	0.522643	0.680889	AT4G23730	glucose-6-phosphate 1-epimerase
13542038	5.76	5.21	1.47	0.070472	0.406937	GUS1	Heparanase-like protein 2
13372446	5.76	5.26	1.42	0.310419	0.566973	ICME-LIKE1	Esterase/lipase domain-containing protein
13365223	5.76	5.31	1.36	0.364322	0.589278	CPNIFS	cysteine desulfurase 2
13418197	5.76	5.33	1.34	0.450504	0.635781	AT2G37520	acyl-CoA N-acyltransferase with RING/FYVE/PHD-type zinc finger domain-containing protein
13356521	5.76	5.34	1.33	0.368647	0.591092	AT1G68185	ubiquitin-related protein
13460070	5.76	5.42	1.27	0.471441	0.64746	AT3G54750	hypothetical protein

13406585	5.76	5.46	1.23	0.413912	0.614047	REF4	reduced epidermal fluorescence 4 protein
13482030	5.76	5.47	1.22	0.384299	0.597873	AT4G06634	uncharacterized zinc finger protein
13410419	5.76	5.5	1.2	0.292529	0.559559	CDA1	cytidine deaminase 1
13539514	5.76	5.49	1.2	0.46979	0.646758	AT5G54850	hypothetical protein
13511731	5.76	5.51	1.19	0.455899	0.638899	AT5G47490	RGPR-related protein
13361761	5.76	5.53	1.17	0.63539	0.757638	AT1G80940	hypothetical protein
13470041	5.76	5.53	1.17	0.416823	0.61571	AT4G17650	Polyketide cyclase / dehydrase and lipid transport protein
13498150	5.76	5.6	1.12	0.556547	0.703728	MEE60	protein maternal effect embryo arrest 60
13421305	5.76	5.61	1.11	0.694057	0.798287	CHL-CPN10	chloroplast chaperonin 10
13349159	5.76	5.63	1.1	0.562583	0.707644	AT1G47310	hypothetical protein
13394887	5.76	5.62	1.1	0.688382	0.793804	AT2G20140	26S proteasome regulatory subunit 4-B
13394102	5.76	5.64	1.09	0.610163	0.739998	AT2G18220	nucleolar complex protein 2-like protein
13443040	5.76	5.65	1.08	0.679195	0.787691	HYP1	hypothetical protein
13347388	5.76	5.68	1.06	0.825047	0.888289	AT1G33260	protein kinase domain-containing protein
13446326	5.76	5.71	1.04	0.665811	0.778073	AT3G07890	RabGAP/TBC domain-containing protein
13338652	5.76	5.78	-1.01	0.885392	0.930102	AT1G11120	hypothetical protein
13344642	5.76	5.85	-1.07	0.832175	0.893733	CB5-A	cytochrome B5 isoform A
13537611	5.76	5.87	-1.08	0.806938	0.876079	CLC-C	chloride channel protein CLC-c
13390298	5.76	5.88	-1.09	0.565261	0.709693	AT1G80980	hypothetical protein
13494383	5.76	5.9	-1.1	0.367857	0.590874	GATA19	GATA transcription factor 19
13351830	5.76	5.95	-1.14	0.621817	0.747944	PME1	pectinesterase 1
13490411	5.76	5.96	-1.15	0.005112	0.270635	PRA1.H	PRA1-like protein H
13402987	5.76	6.02	-1.2	0.506849	0.670148	PROT1	proline transporter 1
13479651	5.76	6.23	-1.38	0.397831	0.60461	AGT2	alanine:glyoxylate aminotransferase 2
13436627	5.76	6.39	-1.55	0.058936	0.394585	ATH7	ABC transporter A family member 8
13373541	5.76	6.44	-1.6	0.008169	0.291978	TBL38	protein trichome birefringence-like 38
13500091	5.76	6.47	-1.63	0.107463	0.4394	AT5G10830	S-adenosyl-L-methionine-dependent methyltransferase domain-containing protein
13352434	5.76	7.01	-2.37	0.031451	0.351992	AT1G55230	hypothetical protein
13421209	5.76	7.31	-2.92	0.384639	0.597873		
13474996	5.76	7.31	-2.92	0.384639	0.597873		
13524373	5.76	7.31	-2.92	0.384639	0.597873		
13465561	5.75	2.79	7.79	0.005989	0.280665		
13468534	5.75	3.96	3.44	0.009756	0.296261		
13369825	5.75	4.31	2.7	0.163625	0.485314		
13444548	5.75	4.68	2.1	0.100637	0.434702	AT3G04480	endoribonuclease
13480109	5.75	4.77	1.97	0.06189	0.398248	AT4G00560	Rossmann-fold NAD(P)-binding domain-containing protein
13496253	5.75	4.8	1.92	0.066049	0.403288	AT5G01670	putative aldose reductase
13339949	5.75	4.87	1.84	0.093091	0.429815	AT1G14230	GDA1/CD39 nucleoside phosphatase family protein
13448479	5.75	5.03	1.65	0.213127	0.518061	AT3G12620	putative protein phosphatase 2C 38
13529754	5.75	5.05	1.62	0.159414	0.481801	TGH	G patch domain-containing protein 1
13468254	5.75	5.09	1.59	0.271131	0.548783	AT4G13730	RabGAP/TBC domain-containing protein
13360722	5.75	5.09	1.58	0.063449	0.399503	emb1473	50S ribosomal protein L13
13360967	5.75	5.12	1.56	0.029158	0.348027	AT1G79190	hypothetical protein
13500309	5.75	5.15	1.52	0.043691	0.372891	DXPS3	1-deoxy-D-xylulose 5-phosphate synthase 3
13537847	5.75	5.15	1.51	0.233278	0.529106	PAP27	purple acid phosphatase 27

13535644	5.75	5.17	1.5	0.090926	0.427987	NRPC2	DNA-directed RNA polymerase III subunit C2
13544588	5.75	5.17	1.5	0.133108	0.462568	AT5G67140	F-box protein
13404061	5.75	5.19	1.47	0.126624	0.456059	AT2G42300	transcription factor bHLH48
13524246	5.75	5.29	1.38	0.409834	0.611328	CDKC;1	cyclin-dependent kinase C-1
13500398	5.75	5.31	1.36	0.166794	0.486825	EMF1	embryonic flower 1 (EMF1)
13501145	5.75	5.36	1.31	0.222604	0.523826	CYL1	alpha-N-acetylglucosaminidase
13382378	5.75	5.42	1.25	0.118521	0.448761	AT1G62610; AT1G62620	Rossmann-fold NAD(P)-binding domain-containing protein; flavin-containing monooxygenase-like protein
13386532	5.75	5.43	1.25	0.668942	0.780137	AT1G72730	translation initiation factor 4A-3
13362593	5.75	5.44	1.24	0.374796	0.593164	AT1G02990	hypothetical protein
13462808	5.75	5.45	1.23	0.405668	0.609101	SK21	SKP1-like protein 21
13454210	5.75	5.47	1.22	0.482429	0.653509	YSL6	putative metal-nicotianamine transporter YSL6
13388867	5.75	5.5	1.19	0.076159	0.410503	AT1G78140; UNE2	S-adenosyl-L-methionine-dependent methyltransferase-like protein; putative transporter
13335650	5.75	5.57	1.14	0.261881	0.543595	YUC9	YUCCA 9 protein
13433558	5.75	5.57	1.13	0.562562	0.707644	AT3G26580	hypothetical protein
13356051	5.75	5.59	1.12	0.294555	0.560624	AT1G67170	hypothetical protein
13522838	5.75	5.59	1.12	0.678413	0.787135	AT5G06730	peroxidase 54
13423506	5.75	5.6	1.11	0.760729	0.843342	ILR1	IAA-amino acid hydrolase ILR1
13468308	5.75	5.6	1.11	0.504853	0.668458	RLP50	receptor like protein 50
13431869	5.75	5.62	1.09	0.563762	0.708464	AT3G22430	hypothetical protein
13402416	5.75	5.65	1.07	0.863833	0.915021	AT2G38580	ATP synthase D chain-related protein
13352817	5.75	5.95	-1.15	0.509646	0.671951	AT1G56190	phosphoglycerate kinase
13337786	5.75	6.09	-1.27	0.342491	0.579015	PGSIP5	plant glycogenin-like starch initiation protein 5
13362402	5.75	6.15	-1.32	0.243245	0.534321	AT1G02590	putative aldehyde oxidase
13431169	5.75	6.34	-1.51	0.312267	0.567545	AT3G20590	late embryogenesis abundant hydroxyproline-rich glycoprotein
13395116	5.75	6.36	-1.53	0.003399	0.253459	AT2G20605	Plant thionin family protein
13372181	5.75	6.46	-1.64	0.376866	0.593563	AT1G24807; AT1G24909; AT1G25083; AT1G25155; ASB1; AT5G57890	anthranilate synthase component II; anthranilate synthase beta subunit 1
13335246	5.75	6.75	-2	0.13463	0.463251	AT1G03230	aspartyl protease-like protein
13544856	5.75	7.41	-3.15	0.480165	0.652087		
13490624	5.74	4.26	2.78	0.034593	0.355201	SLAH2	SLAC1 homologue 2
13497051	5.74	4.48	2.4	0.083251	0.417856	IREG2	protein iron regulated 2
13487414	5.74	4.67	2.09	0.059419	0.39495	MFDX2	ferredoxin 2
13402784	5.74	4.83	1.88	0.336908	0.577005	AT2G39500	hypothetical protein
13428049	5.74	4.87	1.83	0.074106	0.410257	PAE2	proteasome subunit alpha type-5-B
13377116	5.74	4.95	1.74	0.125632	0.45484	AT1G48650	DEA(D/H)-box RNA helicase family protein
13450585	5.74	5.06	1.61	0.252057	0.538651	AT3G17450	hAT dimerization domain-containing protein
13405069	5.74	5.1	1.56	0.29297	0.559559	AT2G44770	ELMO/CED-12 domain-containing protein
13434894	5.74	5.19	1.47	0.160243	0.482788	AT3G33530	transducin/WD40 domain-containing protein

13469393	5.74	5.2	1.46	0.190538	0.503959	AT4G16100	hypothetical protein
13412845	5.74	5.21	1.44	0.558851	0.705222	AT2G25610; DBP1	V-type H+-transporting ATPase 21kDa proteolipid subunit; putative protein phosphatase 2C 22
13526541	5.74	5.23	1.43	0.057083	0.391414	MUB2	membrane-anchored ubiquitin-fold protein 2
13357717	5.74	5.25	1.41	0.082933	0.417856	AT1G71130	ethylene-responsive transcription factor ERF070
13361074	5.74	5.3	1.35	0.031796	0.352572	AT1G79420	hypothetical protein
13343077	5.74	5.34	1.32	0.247493	0.536171	OGG1	8-oxoguanine-DNA glycosylase 1
13435427	5.74	5.35	1.31	0.009813	0.296261	hda17	histone deacetylase 17
13473685	5.74	5.35	1.31	0.296137	0.561293	RPS2	disease resistance protein RPS2
13350476	5.74	5.37	1.3	0.472735	0.648172	CPK33	calcium-dependent protein kinase 33
13473670	5.74	5.37	1.29	0.346245	0.58045	MEK1	mitogen-activated protein kinase kinase 1
13531708	5.74	5.38	1.29	0.236167	0.530423	AT5G28220; AT5G28210	O-linked GlcNAc transferase-like protein; mRNA capping enzyme family protein
13367853	5.74	5.39	1.27	0.515315	0.675634	AT1G14450	NADH dehydrogenase (ubiquinone)
13468565	5.74	5.39	1.27	0.242581	0.534214	AT4G14600	protein transport protein SFT1
13493251	5.74	5.39	1.27	0.389204	0.599658	AT4G33865; AT3G44010; AT3G43980	40S ribosomal protein S29
13526985	5.74	5.4	1.27	0.212636	0.517763	AT5G16520	hypothetical protein
13529503	5.74	5.39	1.27	0.240719	0.53343	AT5G22720	putative FBD-associated F-box protein
13453902	5.74	5.43	1.24	0.445785	0.633419	AT3G26360	Ribosomal protein S21 family protein
13396998	5.74	5.45	1.22	0.353781	0.583905	AT2G25430	putative clathrin assembly protein
13519648	5.74	5.45	1.22	0.491355	0.659269	RABA4a	RAB GTPase homolog A4A
13442751	5.74	5.46	1.21	0.111864	0.443131	AT3G62810	complex 1-LYR domain-containing protein
13358451	5.74	5.54	1.15	0.597315	0.731118	HAB1	protein phosphatase 2C 16
13534186	5.74	5.54	1.15	0.397312	0.604224	AT5G41330; AT5G41320	BTB/POZ domain with WD40/YVTN repeat-containing protein; hypothetical protein
13491590	5.74	5.55	1.14	0.398427	0.605002	G18B	autophagy-related protein 18b
13382424	5.74	5.58	1.12	0.160797	0.483101	AT1G62770	plant invertase/pectin methylesterase inhibitor domain-containing protein
13405477	5.74	5.59	1.11	0.687916	0.793491	CPFTSY	fused signal recognition particle receptor
13415005	5.74	5.6	1.1	0.3679	0.590874	LGT5	alpha-1,4-galacturonosyltransferase
13489303	5.74	5.64	1.07	0.72423	0.819212	PMSR4	peptide methionine sulfoxide reductase A4
13408939	5.74	5.66	1.05	0.801204	0.871869	AT2G14880	SWIB/MDM2 domain-containing protein
13347074	5.74	5.79	-1.03	0.908261	0.944236	PRS2	ribose-phosphate pyrophosphokinase 2
13379148	5.74	5.79	-1.03	0.846782	0.90332	AT1G53645	hydroxyproline-rich glycoprotein-like protein
13506455	5.74	5.79	-1.03	0.728029	0.821785	MK	mevalonate kinase
13366230	5.74	5.89	-1.11	0.07201	0.408302	AT1G10580	pre-mRNA-processing factor 17
13536173	5.74	5.97	-1.17	0.19785	0.507784	MCM3	DNA replication licensing factor MCM3-like protein
13388714	5.74	5.99	-1.19	0.544495	0.695442	AT1G77670	putative aminotransferase
13492649	5.74	6.05	-1.24	0.589695	0.726828	AT4G32920	glycine-rich protein
13466555	5.74	6.08	-1.26	0.257938	0.541251	ISA3	isoamylase 3
13377188	5.74	6.25	-1.43	0.100255	0.434576	delta-ADR; AT1G48750	AP-3 complex subunit delta; bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13418366	5.74	6.26	-1.44	0.353511	0.583765	AT2G37980	O-fucosyltransferase-like protein

13439644	5.74	6.49	-1.68	0.066319	0.403288	AT3G55230	disease resistance-responsive, dirigent domain-containing protein
13480733	5.74	6.5	-1.69	0.057385	0.392213	AT4G01870	tolB-related protein
13526619	5.74	6.51	-1.71	0.135954	0.465036	LNG1; AT5G15581	protein longifolia1; hypothetical protein
13451105	5.74	6.85	-2.17	0.026767	0.339318	AT3G19000	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase-like protein
13506251	5.73	4.55	2.28	0.026048	0.337071	ATK4	kinesin 4
13521406	5.73	4.71	2.03	0.033797	0.354018	AT5G03050	hypothetical protein
13534679	5.73	4.73	2.01	0.112201	0.443327	AT5G42850	thioredoxin-like protein Clot
13523516	5.73	4.75	1.98	0.175237	0.492147	AGAL2	alpha-galactosidase 2
13389328	5.73	4.76	1.96	0.053074	0.383285	AT1G79050	DNA repair protein recA-like 1
13423261	5.73	4.85	1.83	0.235155	0.529705	AT3G02300	regulator of chromosome condensation domain-containing protein
13541754	5.73	4.85	1.83	0.089518	0.426419	AT5G60700	glycosyltransferase family protein 2
13459449	5.73	4.92	1.75	0.29419	0.560481	AT3G53410	RING/U-box domain-containing protein
13446634	5.73	5.01	1.65	0.287207	0.557153	AT3G08910	DnaJ domain-containing protein
13358629	5.73	5.02	1.64	0.096661	0.43273	AT1G73340	Cytochrome P450 superfamily protein
13364767	5.73	5.01	1.64	0.114625	0.445813	ATOBGM	GTP-binding protein Obg/CgtA
13339027	5.73	5.02	1.63	0.246687	0.535608	SRS	Seryl-tRNA synthetase
13407064	5.73	5.02	1.63	0.412337	0.61329	AT2G01990	hypothetical protein
13363572	5.73	5.05	1.61	0.275093	0.550583	GTF2H2	transcription initiation factor TFIIH subunit H2
13350273	5.73	5.1	1.55	0.13867	0.46568	SIRB	sirohydrochlorin ferrochelatase B
13356826	5.73	5.14	1.5	0.2512	0.538315	AT1G68945	hypothetical protein
13516403	5.73	5.17	1.47	0.276529	0.551306	AT5G57970	DNA-3-methyladenine glycosylase I
13513743	5.73	5.21	1.44	0.029413	0.348027	AT5G51770	protein kinase family protein
13387506	5.73	5.26	1.39	0.025991	0.337071	RPS9	30S ribosomal protein S9
13434578	5.73	5.29	1.36	0.268893	0.54764	AT3G29310	calmodulin-binding protein-like protein
13501645	5.73	5.33	1.32	0.363313	0.588629	AT5G14970	hypothetical protein
13399387	5.73	5.34	1.31	0.374249	0.592968	EMB2289	secY protein transport-like protein
13467684	5.73	5.33	1.31	0.530208	0.686583	WRKY19	putative WRKY transcription factor 19
13398622	5.73	5.36	1.3	0.193176	0.505856	AT2G29510	hypothetical protein
13462082	5.73	5.36	1.3	0.280156	0.55409	AT3G59630	diphthamide synthesis DPH2 family protein
13352917	5.73	5.37	1.29	0.155273	0.478104	AT1G56460	HIT zinc finger and PAPA-1-like domain-containing protein
13383819	5.73	5.37	1.29	0.45265	0.636679	AT1G66070	Translation initiation factor eIF3 subunit
13528562	5.73	5.37	1.28	0.572873	0.714916	AT5G20165	hypothetical protein
13453585	5.73	5.44	1.23	0.073248	0.409155	AT3G25410	putative sodium-bile acid cotransporter
13542928	5.73	5.42	1.23	0.557042	0.703949	AT5G63460	SAP domain-containing protein
13513417	5.73	5.44	1.22	0.439323	0.62933	AT5G51180	putative serine esterase domain-containing protein
13537010	5.73	5.44	1.22	0.574968	0.716279	AT5G48530	hypothetical protein
13503581	5.73	5.45	1.21	0.549419	0.699107	AT5G19540	hypothetical protein
13535093	5.73	5.48	1.18	0.169298	0.487806	AT5G43790	pentatricopeptide repeat-containing protein
13359563	5.73	5.58	1.11	0.762315	0.844184	ARAC5	Rac-like GTP-binding protein ARAC5
13447524	5.73	5.6	1.09	0.576004	0.716795	GalAK	galactokinase
13359679	5.73	5.67	1.04	0.775939	0.85425	AT1G76050; EMB1793	RNA pseudourine synthase 2; LYR family of Fe/S cluster biogenesis protein
13425929	5.73	5.76	-1.02	0.799513	0.870969	AT3G08980	mitochondrial inner membrane protease subunit 2

13512836	5.73	5.75	-1.02	0.949251	0.969707	AT5G49840	ATP-dependent Clp protease
13532764	5.73	5.78	-1.04	0.737814	0.828056	BGLU42	beta glucosidase 42
13471645	5.73	5.81	-1.05	0.664772	0.777318	AT4G21460	ribosomal protein S24/S35
13364964	5.73	5.82	-1.06	0.414563	0.614208	AT1G08040	hypothetical protein
13358219	5.73	5.9	-1.13	0.424632	0.619947	AT1G72170	hypothetical protein
13516600	5.73	5.96	-1.17	0.488048	0.657207	AT5G58250	hypothetical protein
13405288	5.73	6.01	-1.21	0.836644	0.896823	AT2G45250	Integral membrane protein hemolysin-III like protein
13419410	5.73	6.39	-1.58	0.236276	0.530517	PRA1.B2	PRA1 family protein B2
13398316	5.72	3.71	4.04	0.077879	0.413069	AT2G28570	hypothetical protein
13498126	5.72	3.94	3.42	0.019157	0.321499	AT5G05880	UDP-glucoronosyl/UDP-glucosyl transferase family protein
13342238	5.72	4.22	2.84	0.032592	0.353134	AT1G19380	hypothetical protein
13404376	5.72	4.64	2.13	0.046115	0.377124		
13352318	5.72	4.7	2.03	0.126376	0.455512	AT1G55000	invertase/pectin methylesterase inhibitor family protein
13415732	5.72	4.87	1.8	0.046728	0.377465	AT2G32000	DNA topoisomerase III
13465544	5.72	4.9	1.77	0.203551	0.510839	AT4G04200	signal peptidase subunit-25
13401687	5.72	4.92	1.74	0.301431	0.563858	RAX2	transcription factor RAX2
13533061	5.72	4.92	1.74	0.174344	0.491426	ALY4	THO complex subunit 4
13518692	5.72	4.92	1.73	0.104925	0.43719	AT5G63200	tetratricopeptide repeat (TPR)-containing protein
13502780	5.72	4.95	1.7	0.000369	0.184865	AT5G17850	Sodium/calcium exchanger family protein
13460847	5.72	4.95	1.7	0.120472	0.451955	CIP111	Cam interacting protein 111
13484835	5.72	4.95	1.7	0.075598	0.410503	AT4G15010	Mitochondrial substrate carrier family protein
13513716	5.72	4.95	1.7	0.16471	0.485884	AT5G51730	RNA-binding (RRM/RBD/RNP motifs) family protein
13402211	5.72	4.98	1.67	0.06109	0.39761	AT2G38090	myb/SANT-like DNA-binding domain-containing protein
13490744	5.72	4.98	1.67	0.271072	0.548768	AT4G28200	hypothetical protein
13505098	5.72	4.99	1.66	0.141916	0.468094	CPSF100	cleavage and polyadenylation specificity factor subunit 2
13426958	5.72	5.01	1.63	0.08246	0.417792	AT3G11760	hypothetical protein
13386592	5.72	5.06	1.58	0.268322	0.546992	AT1G72880	survival protein SurE-like phosphatase/nucleotidase
13496495	5.72	5.07	1.57	0.031356	0.351883	EMB2730	Ribonuclease II/R family protein
13536432	5.72	5.18	1.45	0.194265	0.505856	CKB1	casein kinase 2 subunit beta
13353929	5.72	5.2	1.44	0.292723	0.559559	VIP5	plus-3 domain-containing protein
13471199	5.72	5.2	1.44	0.094201	0.430875	RABE1b	Elongation factor Tu
13334319	5.72	5.21	1.43	0.32092	0.570934	AT1G01450	protein kinase-like protein
13363042	5.72	5.25	1.39	0.21994	0.521793	TOM22-I	mitochondrial import receptor subunit TOM22-1
13448084	5.72	5.29	1.35	0.048789	0.377942	HST	homogentisate solanesyltransferase
13436174	5.72	5.33	1.3	0.317724	0.569303	TRFL1	telomere repeat-binding protein 2
13521751	5.72	5.36	1.28	0.332698	0.576298	CPSRP54	signal recognition particle subunit
13432882	5.72	5.39	1.26	0.172905	0.490194	PRT1	E3 ubiquitin-protein ligase PRT1
13369194	5.72	5.4	1.25	0.103708	0.436308	AT1G17510	hypothetical protein
13364944	5.72	5.45	1.21	0.378007	0.594228	GATA11	GATA transcription factor 11
13503322	5.72	5.46	1.2	0.514299	0.675034	AT5G19151	hypothetical protein

13352862	5.72	5.47	1.19	0.383588	0.597744	AT1G56310	3'-5' exonuclease domain-containing protein
13522153	5.72	5.55	1.12	0.694897	0.798803	SUN1	SAD1/UNC-84 domain protein 1
13489541	5.72	5.6	1.09	0.630846	0.754266	ACD1-LIKE	ACD1-like protein
13476542	5.72	5.65	1.05	0.903309	0.940802		
13477182	5.72	5.67	1.03	0.871264	0.920063	AT4G33690	hypothetical protein
13388878	5.72	5.84	-1.08	0.433742	0.625509	AT1G78190	Trm1.2-like protein
13516757	5.72	5.92	-1.15	0.545258	0.69595	AT5G58530	Glutaredoxin family protein
13482556	5.72	6.09	-1.29	0.340956	0.578438	AT4G09760	protein kinase family protein
13409061	5.72	6.53	-1.76	0.289723	0.558085	AT2G15690; AT2G15680	pentatricopeptide repeat-containing protein; calmodulin-like protein 1
13505472	5.72	6.96	-2.36	0.01889	0.321499	AT5G25020	hypothetical protein
13414782	5.72	7.05	-2.51	0.014717	0.313095	LAC3	laccase 3
13541373	5.72	7.2	-2.78	0.011079	0.297771	AT5G59480; AT5G59470	haloacid dehalogenase-like hydrolase domain-containing protein; mannose-P-dolichol utilization defect 1 protein-like protein
13374400	5.71	2.44	9.65	0.004168	0.262292	PP2-A9	protein PHLOEM protein 2-LIKE A9
13524442	5.71	3.24	5.55	0.003206	0.253459	AT5G10530	concanavalin A-like lectin kinase-like protein
13385322	5.71	4.56	2.23	0.242426	0.534006	AT1G69360	hypothetical protein
13486501	5.71	4.6	2.16	0.139439	0.466238	AT4G18400	hypothetical protein
13358143	5.71	4.64	2.1	0.053252	0.38379	AT1G72010	transcription factor TCP22
13462856	5.71	4.66	2.08	0.043867	0.373171	PANB2; AT3G61540	Phosphoenolpyruvate carboxylase family protein; peptidase family protein
13418377	5.71	4.67	2.06	0.058699	0.394221	AT2G38000; AT2G37990	chaperone protein dnaJ-like protein; ribosome biogenesis regulatory protein-like protein
13486691	5.71	4.75	1.94	0.244933	0.535223	VPS25	vacuolar protein sorting-associated protein 25
13502644	5.71	4.8	1.88	0.181829	0.496969	AT5G17410	Spc97 / Spc98 family of spindle pole body (SBP) component
13439022	5.71	4.81	1.87	0.062539	0.398248	AT3G53630	hypothetical protein
13407738	5.71	4.87	1.79	0.286791	0.557153	AT2G04305	Magnesium transporter CorA-like-like protein
13369140	5.71	4.92	1.73	0.079784	0.414251	AT1G17410	nucleoside diphosphate kinase-like protein
13380828	5.71	4.98	1.66	0.288292	0.557599	AT1G58220	myb family transcription factor
13471012	5.71	4.97	1.66	0.110259	0.441206	PTAC9	protein OSB2
13428929	5.71	5.05	1.58	0.291099	0.558985	AT3G16090	ubiquitin-protein ligase synoviolin
13448422	5.71	5.06	1.57	0.047326	0.377622	PSF2	DNA replication complex GINS protein PSF2
13422990	5.71	5.06	1.56	0.065226	0.401625	AT3G01740	Mitochondrial ribosomal protein L37
13518874	5.71	5.09	1.54	0.388551	0.599123	DGK2	diacylglycerol kinase 2
13462436	5.71	5.16	1.46	0.197595	0.507784	ARABIDILLO-2	protein ARABIDILLO 2
13520740	5.71	5.17	1.46	0.260001	0.542638	AT5G01250	alpha 1,4-glycosyltransferase family protein
13335808	5.71	5.19	1.43	0.022581	0.327966	AT1G04555	hypothetical protein
13493302	5.71	5.2	1.43	0.20138	0.510189	AT4G33985	hypothetical protein
13351583	5.71	5.22	1.4	0.022033	0.326278	AT1G53290	putative beta-1,3-galactosyltransferase 14
13337091	5.71	5.23	1.4	0.295145	0.560914	ECA1	Ca2+-transporting ATPase
13421922	5.71	5.26	1.36	0.206516	0.513175	AT2G46200	hypothetical protein
13386993	5.71	5.33	1.3	0.316391	0.568464	AT1G73760	RING/U-box domain-containing protein
13391336	5.71	5.36	1.27	0.397029	0.604224	GEK1	D-aminoacyl-tRNA deacylase

13523532	5.71	5.36	1.27	0.446401	0.633684	AGAL1	alpha-galactosidase 1
13337145	5.71	5.43	1.22	0.369149	0.591437	RNL	RNA ligase
13366707	5.71	5.44	1.2	0.316249	0.568464	DUF2	agenet domain-containing protein
13424939	5.71	5.53	1.13	0.107969	0.439862	AT3G06200	guanylate kinase
13341870	5.71	5.57	1.1	0.732588	0.825237	AT1G18660	zinc finger (C3HC4-type RING finger) family protein
13426412	5.71	5.57	1.1	0.186074	0.500418	AT3G10350	anion-transporting ATPase family protein
13342432	5.71	5.73	-1.02	0.947924	0.968967	AT1G19990; ZFP4	hypothetical protein; zinc finger protein 4
13401008	5.71	5.74	-1.02	0.75532	0.839888	AT2G35330	RING-finger domain-containing protein
13370870	5.71	5.76	-1.03	0.788762	0.863138	AT1G21480	exostosin-like protein
13428272	5.71	5.84	-1.09	0.236699	0.530949	RHM3	UDP-glucose 4,6-dehydratase
13382202	5.71	6.09	-1.31	0.550019	0.69959	APR2; AT1G62170	5'-adenylylsulfate reductase 2; putative non-inhibitory serpin-Z5
13526325	5.71	6.1	-1.31	0.223506	0.524399	AT5G14940	major facilitator protein
13498318	5.71	6.16	-1.37	0.360562	0.587267	2-Cys Prx B	2-Cys peroxiredoxin BAS1-like protein
13357663	5.71	6.21	-1.41	0.130785	0.460628	AT1G70950	TPX2 (targeting protein for Xklp2) protein family
13465414	5.71	6.65	-1.92	0.058051	0.392874	AT4G03610	metallo-beta-lactamase domain-containing protein
13349869	5.7	2.43	9.69	0.01068	0.297744	AT1G49200	RING-H2 finger protein ATL75
13398418	5.7	3.51	4.54	0.012709	0.303483	AT2G28970	putative leucine-rich repeat protein kinase
13417953	5.7	4.02	3.2	0.003619	0.253459	MEMB11	golgi SNAP receptor complex member 2
13451034	5.7	4.27	2.7	0.059631	0.395062	AT3G18770	Autophagy-related protein 13
13489295	5.7	4.55	2.21	0.036934	0.359989	MC2	metacaspase 2
13520508	5.7	4.58	2.17	0.18001	0.49559	NRAMP4	metal transporter Nramp4
13425795	5.7	4.67	2.04	0.146281	0.470765	AT3G08640	hypothetical protein
13424241	5.7	4.76	1.92	0.099198	0.433828	AT3G04710; AT3G04700	ankyrin repeat family protein; hypothetical protein
13456668	5.7	4.87	1.77	0.235963	0.530405	AT3G46210	exosome complex component RRP46
13521601	5.7	4.94	1.69	0.054347	0.385747	AT5G03560	nucleobase:cation symporter-1, NCS1 family
13451377	5.7	4.95	1.68	0.348004	0.580705	AT3G19553	Amino acid permease family protein
13521976	5.7	4.95	1.68	0.118189	0.448097	AT5G04520	hypothetical protein
13434653	5.7	4.99	1.63	0.225217	0.524988	MES11	methyl esterase 11
13502827	5.7	5	1.63	0.054367	0.385747	AT5G17980	C2 calcium/lipid-binding and phosphoribosyltransferase C-terminal domain-containing protein
13385289	5.7	5	1.62	0.020552	0.324125	RPK1	putative LRR receptor-like serine/threonine-protein kinase RPK1
13526167	5.7	5.02	1.61	0.010963	0.297771	NRT2.7	high affinity nitrate transporter 2.7
13499234	5.7	5.03	1.59	0.215135	0.519459	AT5G08430	SWIB/MDM2 and Plus-3 and GYF domain-containing protein
13470135	5.7	5.04	1.58	0.107653	0.439654	UBP20	ubiquitin carboxyl-terminal hydrolase 20
13368336	5.7	5.11	1.5	0.163014	0.484829	AT1G15250	60S ribosomal protein L37-1
13520589	5.7	5.21	1.41	0.433029	0.625185	ARLA1D	ADP-ribosylation factor-like A1D
13404555	5.7	5.21	1.4	0.219771	0.521702	AT2G43535	defensin-like protein 196
13418004	5.7	5.28	1.34	0.002433	0.253459	IRX9	nucleotide-diphospho-sugar transferases-like protein
13370777	5.7	5.27	1.34	0.204	0.511039	AT1G21160	eukaryotic translation initiation factor 2-like protein

13413847	5.7	5.29	1.33	0.019282	0.321499	AT2G27590	S-adenosylmethionine-dependent methyltransferase domain-containing protein
13343151	5.7	5.3	1.32	0.051503	0.382129	AT1G21780; AT1G21770	BTB/POZ domain-containing protein; acyl-CoA N-acyltransferases-like protein
13436997	5.7	5.33	1.3	0.312375	0.567545	REF6	relative of early flowering 6 protein
13494677	5.7	5.33	1.29	0.031661	0.352537	AT4G37250	putative LRR receptor-like serine/threonine-protein kinase
13459929	5.7	5.34	1.29	0.496179	0.662617	AT3G54460; AT3G54450	F-box protein; putative peptide/nitrate transporter
13421745	5.7	5.37	1.26	0.108904	0.440715	AT2G45730; AT2G45720	translation initiation factor eIF-3 subunit P62; armadillo/beta-catenin repeat-containing protein
13424217	5.7	5.37	1.26	0.168863	0.487488	WDL1	WVD2-like 1
13494088	5.7	5.39	1.24	0.211321	0.516596	CSDP1	cellular nucleic acid-binding protein
13352313	5.7	5.41	1.22	0.352036	0.582786	AXR4	protein auxin RESPONSE 4
13374809	5.7	5.41	1.22	0.606604	0.737059	KAN2	protein kanadi2 / DNA binding / transcription factor
13468485	5.7	5.41	1.22	0.385109	0.598088	bHLH104	transcription factor bHLH104
13399780	5.7	5.44	1.2	0.515064	0.675541	AT2G32320	tRNAHis guanylyltransferase
13522435	5.7	5.43	1.2	0.55368	0.702005	SYP31	syntaxin-31
13491313	5.7	5.45	1.19	0.593734	0.728982	PRHA	Pathogenesis-related homeodomain protein
13426919	5.7	5.5	1.15	0.659191	0.774325	AT3G11590; AT3G11591	hypothetical protein
13531273	5.7	5.57	1.09	0.629169	0.753015	AT5G26749	nucleic acid binding / zinc ion binding protein
13388123	5.7	5.58	1.08	0.307959	0.566048	AT1G76440	alpha-crystallin domain of heat shock protein-containing protein
13438353	5.7	5.6	1.07	0.695414	0.799201	AT3G52100	RING/FYVE/PHD zinc finger-containing protein
13509286	5.7	5.6	1.07	0.469551	0.646573	AT5G41760	Nucleotide-sugar transporter family protein
13372518	5.7	5.62	1.05	0.78515	0.860537	AT1G26190	phosphoribulokinase/uridine kinase-like protein
13453638	5.7	5.64	1.05	0.725535	0.820105	NIK2; AT3G25550	NSP-interacting kinase 2; F-box protein
13404052	5.7	5.67	1.02	0.85518	0.909157	CYP712A1; AT2G42240	cytochrome P450, family 712, subfamily A, polypeptide 1; RNA recognition motif-containing protein
13521896	5.7	5.73	-1.02	0.766301	0.84722	AT5G04270	putative S-acyltransferase
13445033	5.7	5.74	-1.03	0.921102	0.952352	AT3G05570	hypothetical protein
13428809	5.7	5.79	-1.06	0.1362	0.465036	AT3G15770	hypothetical protein
13539940	5.7	5.82	-1.09	0.376907	0.593593	TEX1	THO complex subunit 3
13382080	5.7	6.14	-1.35	0.151429	0.473764	AT1G61730	DNA-binding storekeeper protein-related transcriptional regulator
13478520	5.7	6.31	-1.53	0.156108	0.47898	HOS3-1	GNS1/SUR4 membrane protein
13536638	5.7	6.58	-1.84	0.002334	0.253459	AT5G47635	Pollen Ole e 1 allergen and extensin family protein
13400440	5.7	7.11	-2.65	0.389772	0.599938		
13390615	5.69	3.62	4.22	0.001663	0.250556	AT2G01900	endonuclease/exonuclease/phosphatase domain-containing protein
13452310	5.69	4.25	2.71	0.068832	0.406403	DMP2	hypothetical protein
13399596	5.69	4.43	2.39	0.145151	0.470007	CVL1	protein CVP2 like 1
13515686	5.69	4.52	2.26	0.085834	0.420823	WRKY2	putative WRKY transcription factor 2

13442349	5.69	4.56	2.2	0.209735	0.514898	POB1	POZ/BTB containin G-protein 1
13383130	5.69	4.58	2.17	0.294563	0.560624		
13396832	5.69	4.59	2.14	0.019287	0.321499	WRKY60	putative WRKY transcription factor 60
13349610	5.69	4.77	1.89	0.001889	0.253459	JAZ4	protein TIFY 6A
13490865	5.69	4.89	1.74	0.12454	0.453788	PHB1	prohibitin 1
13466134	5.69	4.99	1.63	0.37115	0.591914	AT4G06676	hypothetical protein
13537876	5.69	5.09	1.52	0.007753	0.290374	UBC33	putative ubiquitin-conjugating enzyme E2 33
13469094	5.69	5.1	1.51	0.140194	0.466502	AT4G15520	tRNA/rRNA methyltransferase (SpoU) family protein
13358942	5.69	5.11	1.5	0.134667	0.463251	AT1G73970	hypothetical protein
13343537	5.69	5.11	1.49	0.165871	0.486235	AT1G22800; AT1G22810	S-adenosyl-L-methionine-dependent methyltransferases-like protein; ethylene-responsive transcription factor ERF019
13456049	5.69	5.16	1.45	0.19849	0.508119	RPP1	TIR-NBS-LRR class disease resistance protein
13444643	5.69	5.17	1.44	0.285724	0.556682	CLPS3	CLP-like protein 3
13469034	5.69	5.18	1.42	0.098315	0.433275	AT4G15420	ubiquitin fusion degradation UFD1 family protein
13350778	5.69	5.2	1.4	0.204117	0.511039	NFU5; AT1G51400	NifU-like protein 5; Photosystem II 5 kD protein
13543508	5.69	5.24	1.37	0.477302	0.650631	RPN5B	26S proteasome regulatory subunit N5
13397191	5.69	5.24	1.36	0.087	0.422399	AT2G25870	haloacid dehalogenase-like hydrolase domain-containing protein
13511208	5.69	5.27	1.35	0.372417	0.591983	PRP39-2	pre-mRNA-processing factor 39
13506573	5.69	5.31	1.3	0.047981	0.37767	CYCH;1	cyclin H;1
13419093	5.69	5.31	1.3	0.556573	0.70373	AT2G39650	hypothetical protein
13440935	5.69	5.32	1.29	0.415531	0.614665	AT3G58530	F-box protein
13525940	5.69	5.32	1.29	0.115046	0.446247	AT5G14130	peroxidase 55
13439136	5.69	5.35	1.26	0.038579	0.364412	AT3G54000	hypothetical protein
13407813	5.69	5.5	1.14	0.007156	0.287967	AT2G04620	Cation efflux family protein
13542746	5.69	5.51	1.14	0.230067	0.527363	AT5G63080	transcription factor jumonji (jmjC) domain-containing protein
13524889	5.69	5.54	1.11	0.790938	0.864725	AT5G11600	hypothetical protein
13457727	5.69	5.58	1.08	0.889734	0.932245	AT3G49210	O-acyltransferase (WSD1-like) family protein
13528656	5.69	5.59	1.07	0.821424	0.885723	AT5G20360	octicosapeptide/Phox/Bem1p and tetratricopeptide repeat domain-containing protein
13398828	5.69	5.62	1.05	0.863642	0.914853	ELF4-L1	protein ELF4-like 1
13489354	5.69	5.64	1.04	0.643184	0.762131	AT4G25280	adenylate kinase family protein
13486733	5.69	5.84	-1.11	0.734832	0.826332	EDR2	enhanced disease resistance 2 protein
13536146	5.69	5.85	-1.11	0.779363	0.85646	AT5G46230	hypothetical protein
13484351	5.69	5.85	-1.12	0.098033	0.433275	ARPC4	actin related protein 2/3 complex, subunit 4
13483105	5.69	6.01	-1.25	0.404186	0.608529	AT4G11080	HMG (high mobility group) box protein
13515142	5.69	6.09	-1.31	0.133956	0.463251	AT5G54920	hypothetical protein
13455198	5.69	6.17	-1.4	0.193925	0.505856	AFP3	Ninja-family protein AFP3
13510565	5.69	6.22	-1.45	0.250002	0.537401	CEST	hypothetical protein
13459080	5.69	6.43	-1.67	0.024378	0.333062	AT3G52390	TatD related DNase
13392684	5.69	6.76	-2.09	0.60348	0.734668	AT2G13547	hypothetical protein
13352473	5.69	6.87	-2.26	0.002143	0.253459	AT1G55265	hypothetical protein

13509428	5.68	3.95	3.3	0.099771	0.434356	AT5G42010; RBCS1A	transducin/WD40 domain-containing protein; ribulose bisphosphate carboxylase small chain 1A
13349487	5.68	4.09	3.01	0.151846	0.47404	AT1G48210	serine/threonine protein kinase
13498586	5.68	4.61	2.1	0.197206	0.507663	AT5G07080	HXXXD-type acyl-transferase-like protein
13440890	5.68	4.71	1.95	0.314307	0.568148		
13344510	5.68	4.72	1.94	0.161615	0.483459	AT1G25480	Aluminum activated malate transporter family protein
13455505	5.68	4.74	1.92	0.045381	0.375052	ARP6	actin-related protein 6
13355028	5.68	4.79	1.85	0.141891	0.468094	SEH1H	transducin/WD-40 repeat-containing protein
13465860	5.68	4.79	1.85	0.342791	0.579024	GSL1	callose synthase 11
13507712	5.68	4.81	1.83	0.306048	0.565302	AT5G37290	armadillo/beta-catenin-like repeat-containing protein
13461382	5.68	4.83	1.8	0.029418	0.348027	AT3G57930	hypothetical protein
13474449	5.68	4.87	1.76	0.174484	0.49155	SDG16	histone-lysine N-methyltransferase ATX4
13517889	5.68	4.91	1.7	0.100575	0.434659	ACHT5	thioredoxin-like 1-2
13434436	5.68	4.93	1.69	0.253975	0.539558	AT3G28850	Glutaredoxin-like protein
13364884	5.68	4.95	1.67	0.095703	0.431773	AT1G07870; AT1G07860	putative serine/threonine-protein kinase RLCKVII; hypothetical protein
13436971	5.68	4.98	1.62	0.000148	0.167423	AT3G48400	cysteine/histidine-rich C1 domain-containing protein
13490210	5.68	4.98	1.62	0.139437	0.466238	TOR1	Microtubule-associated protein TORTIFOLIA1
13407560	5.68	4.99	1.61	0.401505	0.606833	AT2G03690; SPR1	ubiquinone biosynthesis protein COQ4-like protein; spiral1
13447013	5.68	5	1.61	0.083028	0.417856	AT3G09720	DEAD-box ATP-dependent RNA helicase 57
13379286	5.68	5.02	1.58	0.047617	0.37767	AT1G53887; RAP2.12	hypothetical protein; ethylene-responsive transcription factor RAP2-12
13441966	5.68	5.04	1.57	0.219477	0.521515	AT3G60910	S-adenosyl-L-methionine-dependent methyltransferase-like protein
13509019	5.68	5.03	1.57	0.246763	0.535608	AT5G41060	putative S-acyltransferase
13410663	5.68	5.06	1.54	0.182121	0.497223	AT2G20050	protein phosphatase 2C and cyclic nucleotide-binding/kinase domain-containing protein
13371168	5.68	5.08	1.52	0.2637	0.544764	AT1G22180	sec.4-like phosphatidylinositol transfer protein
13456901	5.68	5.1	1.5	0.401071	0.606423	AT3G46920	octicosapeptide/Phox/Bem1p domain-containing protein kinase
13449125	5.68	5.11	1.48	0.286764	0.557153	AT3G13840	scarecrow-like protein 29
13483205	5.68	5.12	1.47	0.181888	0.496988	AT4G11450	hypothetical protein
13352012	5.68	5.13	1.46	0.048391	0.37767	NRPB8A	RNA polymerase Rpb8
13381316	5.68	5.14	1.45	0.258836	0.541564	ARPC3	actin-related protein C3
13519090	5.68	5.16	1.44	0.220087	0.521793	AT5G64090	hypothetical protein
13371693	5.68	5.16	1.43	0.297045	0.562225	AT1G23560; SRO2	hypothetical protein; RCD one 2-like protein
13520877	5.68	5.21	1.39	0.115246	0.446247	AT5G01450	RING/U-box domain-containing protein
13516938	5.68	5.21	1.38	0.195464	0.506402	NRPB7	DNA-directed RNA polymerase II subunit RPB7
13459821	5.68	5.29	1.31	0.090201	0.427018	AT3G54290	hypothetical protein
13417868	5.68	5.33	1.27	0.185889	0.500308	AT2G36840	ACT domain-containing protein

13543106	5.68	5.35	1.26	0.310719	0.566973	HDH	Histidinol dehydrogenase
13490291	5.68	5.36	1.25	0.468126	0.645611	AT4G27270	Quinone reductase family protein
13388156	5.68	5.37	1.24	0.20116	0.510163	AT1G76510	ARID/BRIGHT DNA-binding domain-containing protein
13396949	5.68	5.37	1.24	0.292548	0.559559	AT2G25355	exosome complex component RRP40
13544749	5.68	5.39	1.22	0.371497	0.591914	AT5G67490	hypothetical protein
13484401	5.68	5.58	1.08	0.721702	0.817459	PDS3	phytoene dehydrogenase
13397099	5.68	5.58	1.07	0.237381	0.531411	AT2G25640	SPOC domain / Transcription elongation factor S-II protein
13447851	5.68	5.58	1.07	0.692143	0.796791	AT3G11490	rac GTPase activating protein
13412796	5.68	5.79	-1.08	0.775065	0.853542	AT2G25460	hypothetical protein
13356105	5.68	5.85	-1.13	0.407215	0.610001	AT1G67350	hypothetical protein
13528234	5.68	5.93	-1.19	0.636994	0.758511	CLT1	CRT (chloroquine-resistance transporter)-like transporter 1
13495273	5.68	5.94	-1.2	0.235188	0.529705	AT4G38540	FAD/NAD(P)-binding oxidoreductase family protein
13543235	5.68	5.94	-1.2	0.490502	0.658743	AT5G64080	Non-specific lipid-transfer protein-like protein
13495284	5.68	6.22	-1.46	0.371281	0.591914	PIS2; AT4G38560	putative CDP-diacylglycerol--inositol 3-phosphatidyltransferase 2; phospholipase like protein (PEARLI 4)
13413058	5.68	6.28	-1.51	0.131264	0.461229	AT2G25980	myrosinase-binding protein-like protein
13519447	5.68	6.47	-1.72	0.164723	0.485884	PROPEP1	elicitor peptide 1
13545591	5.68	7.7	-4.05	0.362082	0.587911		
13334292	5.67	4.29	2.61	0.102031	0.435538	RCAR1	abscisic acid receptor PYL9
13504690	5.67	4.48	2.29	0.003742	0.256484	MAM1	methylthioalkylmalate synthase 1
13469498	5.67	4.76	1.89	0.051829	0.382324	LDL3	protein LSD1-like 3
13454512	5.67	4.81	1.82	0.096103	0.432107	AT3G27610	nucleotidylyl transferase domain-containing protein
13468018	5.67	4.81	1.82	0.23609	0.530423	AT4G13030	P-loop containing nucleoside triphosphate hydrolase domain-containing protein
13448033	5.67	4.86	1.75	0.138713	0.46568	AT3G11850	hypothetical protein
13425852	5.67	4.88	1.73	0.181494	0.49681	AT3G08800	integrator complex subunit 4
13412907	5.67	4.91	1.69	0.13437	0.463251	AT2G25720	hypothetical protein
13434397	5.67	4.95	1.65	0.089221	0.426168	AT3G28720	hypothetical protein
13425157	5.67	5.01	1.58	0.386582	0.598595	AT3G06660	PAPA-1-like and zinc finger-HIT domain-containing protein
13401171	5.67	5.03	1.56	0.007932	0.290374	CSLA07	putative mannan synthase 7
13401857	5.67	5.05	1.54	0.219106	0.521241	AT2G37195	hypothetical protein
13435925	5.67	5.11	1.47	0.129461	0.459395	RUS1	hypothetical protein
13380204	5.67	5.13	1.46	0.194385	0.505856	AT1G56090	tetratricopeptide repeat-containing protein
13350322	5.67	5.13	1.45	0.434334	0.62605	VIIIA	P-loop containing nucleoside triphosphate hydrolase-like protein
13359057	5.67	5.14	1.45	0.171947	0.489644	GR-RBP5	glycine-rich RNA-binding protein 5
13461968	5.67	5.17	1.42	0.310978	0.566973	AT3G59320	hypothetical protein
13494427	5.67	5.17	1.41	0.287294	0.557153	AT4G36660	hypothetical protein
13508223	5.67	5.2	1.39	0.383412	0.59768	AT5G38890	exosome complex component CSL4
13380024	5.67	5.21	1.38	0.559785	0.705867	AT1G55750	transcription initiation factor TFIIH subunit H1
13539783	5.67	5.22	1.37	0.138702	0.46568	TRN1	protein tornado 1

13392816	5.67	5.26	1.33	0.188873	0.502829	AT2G14045	hypothetical protein
13362882	5.67	5.32	1.27	0.514796	0.675415		
13430692	5.67	5.34	1.26	0.513168	0.674379	AT3G19780; AT3G19790	hypothetical protein
13452919	5.67	5.35	1.24	0.564741	0.709293	AT3G23660	protein transport protein SEC23
13486418	5.67	5.36	1.24	0.364287	0.589278	PHYE; ML3	phytochrome E; protein MEI2-like 3
13370564	5.67	5.4	1.21	0.519164	0.678242	AT1G20690	SWI-SNF-related chromatin binding protein
13422394	5.67	5.4	1.21	0.602601	0.733926	AT2G47270	transcription factor bHLH151
13537922	5.67	5.41	1.2	0.164942	0.485944	AT5G50530; AT5G50640; AT5G50540; AT5G50645	CBS / octicosapeptide/Phox/Bemp1 domain-containing protein; hypothetical protein
13388183	5.67	5.44	1.18	0.697212	0.800655	AT1G76550	pyrophosphate--fructose-6-phosphate 1-phosphotransferase
13438110	5.67	5.43	1.18	0.152266	0.474562	GLR3.6	glutamate receptor 3.6
13516535	5.67	5.47	1.15	0.561514	0.706913	AT5G58160	formin-like protein 13
13415226	5.67	5.48	1.14	0.355135	0.584506	AT2G31040	ATP synthase protein I
13536558	5.67	5.49	1.13	0.68669	0.792696	TIP2;3	aquaporin TIP2-3
13458353	5.67	5.58	1.07	0.7122	0.810415	AT3G50640	hypothetical protein
13343699	5.67	5.6	1.05	0.889396	0.932185	AT1G23120	major latex-related protein
13364135	5.67	5.61	1.04	0.81611	0.882357	AT1G06190	Rho termination factor
13538904	5.67	5.81	-1.1	0.547245	0.697459	AT5G53045	hypothetical protein
13526471	5.67	5.84	-1.13	0.540432	0.692587	AT5G15260	structural constituent of ribosome
13431042	5.67	5.86	-1.14	0.410002	0.61142	AT3G20430	hypothetical protein
13360714	5.67	5.9	-1.17	0.371411	0.591914	LZF1	light-regulated zinc finger protein 1
13351146	5.67	5.94	-1.2	0.209385	0.514771	AT1G52330; ABA2	late embryogenesis abundant hydroxyproline-rich glycoprotein; Xanthoxin dehydrogenase
13476793	5.67	6.04	-1.29	0.011722	0.301412	AT4G32780	phosphoinositide binding protein
13511058	5.67	6.07	-1.32	0.175933	0.492405	AT5G45920	GDSL esterase/lipase
13499587	5.67	6.26	-1.51	0.326331	0.573808	EXL4	protein exordium like 4
13536642	5.67	6.27	-1.52	0.064024	0.400526	NUDT2; NF-YB2	nudix hydrolase 2; nuclear transcription factor Y subunit B-2
13533727	5.67	6.38	-1.64	0.33276	0.576298	AATP1	AAA-ATPase 1
13519918	5.67	6.81	-2.2	0.037571	0.361219	PSK5	phytosulfokine-beta
13472450	5.66	4.12	2.9	0.013979	0.311435	SGT1A	phosphatase SGT1a
13475371	5.66	4.32	2.53	0.035722	0.356434	AT4G29890; ACA10	choline monooxygenase; Ca2+-transporting ATPase
13357260	5.66	4.37	2.44	0.022817	0.329711	AT1G70100	hypothetical protein
13377955	5.66	4.47	2.28	0.039654	0.365591	AT1G50590	Pirin-like protein
13358791	5.66	4.59	2.1	0.137803	0.46568	RABA6a	RAB GTPase A6a
13342611	5.66	4.68	1.96	0.019936	0.322692	AT1G20540	transducin/WD-40 repeat-containing protein
13362923	5.66	4.81	1.81	0.004182	0.262292	AT1G03820	hypothetical protein
13365277	5.66	4.81	1.8	0.067613	0.405582	CJD1	Chloroplast J-like domain 1-containing protein
13379999	5.66	4.87	1.73	0.3565	0.584728	CAX5	vacuolar cation/proton exchanger 5
13484421	5.66	4.88	1.71	0.223808	0.524399	AT4G14230	CBS domain-containing protein with a domain of unknown function (DUF21)
13391581	5.66	4.9	1.69	0.135005	0.463566	NUDT5	nudix hydrolase 5
13346641	5.66	4.91	1.68	0.081283	0.416513	AT1G31220	phosphoribosylglycinamide formyltransferase

13536419	5.66	4.94	1.65	0.202085	0.510309	AT5G47070	putative receptor-like protein kinase
13356913	5.66	4.99	1.59	0.005052	0.26945		
13485756	5.66	5.01	1.56	0.463633	0.643333	AT4G16960	TIR-NBS-LRR class disease resistance protein
13334495	5.66	5.03	1.55	0.352734	0.583317	AT1G01770	hypothetical protein
13379952	5.66	5.03	1.55	0.432885	0.625185	AT1G55675	hypothetical protein
13425579	5.66	5.04	1.54	0.20316	0.510604	AT3G07690; AT3G07700	6-phosphogluconate dehydrogenase-like protein; protein kinase domain-containing protein
13500888	5.66	5.11	1.46	0.173788	0.490884	PBS1	serine/threonine-protein kinase PBS1
13463695	5.66	5.13	1.44	0.00295	0.253459	AT3G63390	hypothetical protein
13514811	5.66	5.15	1.43	0.298421	0.562461	ILL3	IAA-amino acid hydrolase ILR1-like 3
13343470	5.66	5.15	1.42	0.220899	0.522074	AT1G22730	MA3 domain-containing protein
13358682	5.66	5.15	1.42	0.345545	0.5803	AT1G73440	calmodulin-related protein
13396808	5.66	5.17	1.4	0.319093	0.570076	AT2G24960	hypothetical protein
13374078	5.66	5.21	1.37	0.132803	0.462428	CPSF30	cleavage and polyadenylation specificity factor CPSF30
13520991	5.66	5.21	1.37	0.051936	0.382324	SCAR4	protein SCAR4
13340598	5.66	5.23	1.35	0.289699	0.558085	AT1G15940	aspartyl beta-hydroxylase N-terminal region domain-containing protein
13420024	5.66	5.24	1.34	0.119918	0.451003	AT2G41750	DTW domain-containing protein
13370056	5.66	5.28	1.3	0.165917	0.486235	AT1G19490	bZIP transcription factor-like protein
13455413	5.66	5.35	1.24	0.575936	0.716785	AT3G32030	terpene cyclase, C1 domain-containing protein
13407858	5.66	5.38	1.21	0.215953	0.519767	AT2G04800	hypothetical protein
13345377	5.66	5.39	1.2	0.272604	0.549454	NTF2B	nuclear transport factor 2B
13505377	5.66	5.4	1.2	0.407478	0.610267	AT5G24620	pathogenesis-related thaumatin-like protein
13424183	5.66	5.41	1.19	0.795804	0.868451	PPCK2	phosphoenolpyruvate carboxylase kinase 2
13397902	5.66	5.43	1.18	0.211334	0.516596	AT2G27710	60S acidic ribosomal protein P2-2
13413252	5.66	5.44	1.16	0.642039	0.761405	SMU2	cytokine
13427551	5.66	5.57	1.06	0.862811	0.914502	VCR	varicose-related protein
13460690	5.66	5.64	1.02	0.859638	0.912503	AT3G56210	armadillo/beta-catenin-like repeat-containing protein
13342777	5.66	5.79	-1.09	0.524368	0.682048	AT1G20920	DEAD-box ATP-dependent RNA helicase 42
13536300	5.66	5.81	-1.12	0.498436	0.664032	AT5G46620	hypothetical protein
13365831	5.66	5.85	-1.14	0.044674	0.374597	AT1G09830	phosphoribosylamine--glycine ligase
13353183	5.66	5.87	-1.15	0.120642	0.452158	AT1G58150	hypothetical protein
13392334	5.66	6.3	-1.55	0.725833	0.820246	AT2G07827	hypothetical protein
13465368	5.66	6.32	-1.58	0.260256	0.542946	AT4G03540	hypothetical protein
13487441	5.66	6.33	-1.59	0.075233	0.410503	AT4G21140	hypothetical protein
13499011	5.66	6.5	-1.79	0.031116	0.351257	AT5G07870	HXXXD-type acyl-transferase-like protein
13352172	5.66	7.08	-2.67	0.113887	0.44481	AT1G54575	hypothetical protein
13353537	5.66	7.34	-3.21	0.053321	0.383838	AT1G59740	putative peptide/nitrate transporter
13480872	5.66	7.35	-3.22	0.07898	0.414078	RHS13	protein root hair specific 13
13392877	5.65	3.39	4.8	0.011472	0.298105	AT2G14247	hypothetical protein
13423773	5.65	3.6	4.14	0.03128	0.351689	AT3G03500	TatD related DNase
13508030	5.65	3.87	3.44	0.063888	0.400203	AT5G38340	TIR-NBS-LRR class disease resistance protein
13517398	5.65	4.28	2.58	0.088862	0.425464	AT5G60280	concanavalin A-like lectin kinase-like protein

13433568	5.65	4.5	2.22	0.012373	0.301412	AT3G26610	putative polygalacturonase / pectinase
13358819	5.65	4.68	1.96	0.08047	0.415059	AT1G73710	pentatricopeptide repeat-containing protein
13425862	5.65	4.75	1.87	0.049701	0.379003	AT3G08880	hypothetical protein
13381724	5.65	4.75	1.86	0.001665	0.250556	CPSF73-I	cleavage and polyadenylation specificity factor subunit 3-I
13376180	5.65	4.79	1.81	0.125964	0.455116		
13370136	5.65	4.83	1.77	0.150532	0.473392	AT1G19690; AT1G19680	nucleoside-diphosphate-sugar epimerase domain-containing protein; RING/U-box domain-containing protein
13485653	5.65	4.83	1.77	0.100916	0.434702	AT4G16770	iron ion binding / oxidoreductase
13405255	5.65	4.85	1.74	0.277717	0.5524	ATG8E	autophagy-related protein 8e
13349519	5.65	4.87	1.72	0.002716	0.253459	AT1G48280	hydroxyproline-rich glycoprotein-like protein
13429406	5.65	4.87	1.72	0.061978	0.398248	AT3G17100	transcription factor bHLH147
13448220	5.65	4.88	1.7	0.029567	0.348325	AT3G12150	hypothetical protein
13389933	5.65	5.06	1.51	0.007898	0.290374	AT1G80060	ubiquitin-like domain-containing protein kinase
13409605	5.65	5.05	1.51	0.030361	0.350098	AT2G17320	hypothetical protein
13413101	5.65	5.09	1.47	0.405153	0.609014	AT2G26100	putative beta-1,3-galactosyltransferase 12
13450656	5.65	5.09	1.47	0.06753	0.405582	AT3G17740	hypothetical protein
13409210	5.65	5.09	1.46	0.250865	0.537953	AT2G16250	putative LRR receptor-like serine/threonine-protein kinase
13479537	5.65	5.14	1.43	0.187435	0.501922		
13504155	5.65	5.13	1.43	0.38147	0.596475	BPM5	BTB-POZ and math domain-containing protein
13529800	5.65	5.14	1.43	0.084922	0.419372	PYRD	dihydroorotate dehydrogenase
13440826	5.65	5.14	1.42	0.232452	0.528392	AT3G58050	hypothetical protein
13399746	5.65	5.16	1.4	0.000554	0.207323	AT2G32295	EXS (ERD1/XPR1/SYG1) domain-containing protein
13459625	5.65	5.19	1.38	0.357272	0.584844	RBL4	RHOMBOID-like protein 4
13513477	5.65	5.19	1.38	0.234481	0.529692	EMF2	polycomb group protein EMBRYONIC FLOWER 2
13362794	5.65	5.21	1.36	0.1202	0.451527		
13394275	5.65	5.21	1.36	0.215047	0.519459	AT2G18740	putative small nuclear ribonucleoprotein
13466512	5.65	5.24	1.33	0.01237	0.301412	APRL6; AT4G08940	protein APR-like 6; ubiquitin thiolesterase
13375888	5.65	5.28	1.3	0.07619	0.410503	AT1G36990	hypothetical protein
13543096	5.65	5.28	1.29	0.017404	0.319218	PP7	serine/threonine-protein phosphatase 7
13377627	5.65	5.29	1.28	0.246137	0.535608	TRB1	telomere repeat binding factor 1
13541472	5.65	5.29	1.28	0.359114	0.586044	AT5G59770	Protein-tyrosine phosphatase-like, PTPLA
13398432	5.65	5.31	1.27	0.405077	0.609014	AT2G28990	putative LRR receptor-like serine/threonine-protein kinase
13519055	5.65	5.3	1.27	0.388483	0.599123	AT5G63990	putative SAL3 phosphatase
13360371	5.65	5.31	1.26	0.433192	0.625192	AT1G77840	translation initiation factor eIF-5
13402679	5.65	5.34	1.25	0.4758	0.649775	ATATH8	aarF domain-containing kinase
13515645	5.65	5.33	1.25	0.083913	0.417946	AT5G56160	sec14p-like phosphatidylinositol transfer-like protein
13533768	5.65	5.34	1.25	0.094616	0.431062	AT5G40190	RNA ligase/cyclic nucleotide phosphodiesterase family protein
13410581	5.65	5.34	1.24	0.555339	0.703052	AT2G19930	RNA-dependent RNA polymerase-like protein

13414181	5.65	5.38	1.21	0.422868	0.618789	AT2G28480	RNA-binding CRS1 / YhbY (CRM) domain protein
13377752	5.65	5.41	1.18	0.584483	0.72334	AT1G50140	P-loop containing NTPase domain-containing protein
13392075	5.65	5.42	1.18	0.456233	0.638899	RPA1A	replication factor A1
13491659	5.65	5.44	1.16	0.51529	0.675634	AT4G30620	hypothetical protein
13336226	5.65	5.48	1.13	0.627487	0.751632	AT1G05790	lipase class 3-like protein
13394239	5.65	5.51	1.1	0.623057	0.748884	AT2G18670; AT2G18680	RING-H2 finger protein ATL56; hypothetical protein
13408425	5.65	5.51	1.1	0.776107	0.854267		
13364372	5.65	5.54	1.08	0.719818	0.81616	CRTISO	carotenoid isomerase
13459390	5.65	5.55	1.07	0.811223	0.879122	AT3G53270	Small nuclear RNA activating complex (SNAPc), subunit SNAP43 protein
13358588	5.65	5.59	1.04	0.428685	0.62246	SUVH3	histone-lysine N-methyltransferase, H3 lysine-9 specific SUVH3
13413813	5.65	5.6	1.03	0.820028	0.884852	AT2G27500	glucan endo-1,3-beta-glucosidase 14
13529387	5.65	5.61	1.03	0.885904	0.93018	AT5G22440	60S ribosomal protein L10a-3
13338115	5.65	5.68	-1.02	0.512639	0.674	AT1G09794	Cox19 family protein (CHCH motif)
13540911	5.65	5.69	-1.03	0.925159	0.954857	TAF15b	TBP-associated factor 15B
13439104	5.65	5.84	-1.14	0.646818	0.765031	AT3G53930	unc51-like kinase
13501057	5.65	5.87	-1.17	0.306714	0.565523	AT5G13510	Ribosomal protein L10 family protein
13477938	5.65	5.95	-1.23	0.336952	0.577005	AGF1	AT-hook protein of GA feedback 1
13401971	5.65	5.99	-1.27	0.339704	0.577996	AT2G37440	endonuclease/exonuclease/phosphatase domain-containing protein
13380795	5.65	6.2	-1.46	0.22833	0.526027	BCA6	beta carbonic anhydrase 6
13462467	5.65	6.65	-2	0.359718	0.586493	AT3G60380	hypothetical protein
13491569	5.65	7.21	-2.95	0.026221	0.337568	AT4G30460	glycine-rich protein
13522259	5.64	3.14	5.67	0.005465	0.277119	AT5G05250	hypothetical protein
13508428	5.64	3.68	3.89	0.026732	0.339318	AT5G39670; EMB2744	putative calcium-binding protein CML45; pentatricopeptide repeat-containing protein
13403409	5.64	4.17	2.77	0.058999	0.394644	AT2G40760	rhodanese-like domain-containing protein
13512808	5.64	4.2	2.7	0.085029	0.41951	AT5G49780	leucine-rich repeat protein kinase-like protein
13382567	5.64	4.32	2.5	0.073104	0.408856	PP2-A11	F-box protein PP2-A11
13490738	5.64	4.42	2.34	0.005779	0.279573	AT4G28180	hypothetical protein
13448326	5.64	4.59	2.07	0.132303	0.46234	AT3G12300	hypothetical protein
13535045	5.64	4.68	1.94	0.258772	0.541546	AT5G43720; UNE2	hypothetical protein; putative transporter
13527909	5.64	4.74	1.86	0.008034	0.290453	AT5G18490	hypothetical protein
13397716	5.64	4.75	1.85	0.011428	0.297771	AT2G27130	xylogen-like protein 11
13435537	5.64	4.79	1.8	0.004012	0.262292	ADT4	arogenate dehydratase 4
13460263	5.64	4.81	1.78	0.202072	0.510309	AT3G55050	putative protein phosphatase 2C 48
13366735	5.64	4.83	1.75	0.099975	0.434356	AT1G11540	Sulfite exporter TauE/SafE family protein
13425342	5.64	4.87	1.7	0.125432	0.45467	AT3G07080	EamA-like transporter
13486119	5.64	4.87	1.7	0.171136	0.489202	AT4G17550; AT4G17540	MFS transporter, OPA family, solute carrier family 37; hypothetical protein
13454096	5.64	4.9	1.67	0.054968	0.386868	SKL1	shikimate kinase like 1
13477582	5.64	4.98	1.59	0.024575	0.333211	AT4G34540; CIB1	NmrA-like negative transcriptional regulator family protein; transcription factor bHLH63
13500708	5.64	5	1.56	0.056019	0.388357	AT5G12260	hypothetical protein
13450356	5.64	5.02	1.53	0.289126	0.557782	GATA17	GATA transcription factor 17

13497835	5.64	5.06	1.5	0.008449	0.293015	AT5G05360	hypothetical protein
13478705	5.64	5.06	1.49	0.165566	0.486019	AT4G37190; HCF164	hypothetical protein; thioredoxin-like protein HCF164
13341539	5.64	5.1	1.46	0.205831	0.512597	AT1G17780	hypothetical protein
13487941	5.64	5.1	1.46	0.248444	0.536487	IM	alternative oxidase 4
13478258	5.64	5.12	1.43	0.000308	0.181632	AT4G35987	S-adenosyl-L-methionine-dependent methyltransferase domain-containing protein
13528472	5.64	5.12	1.43	0.233745	0.529356	AT5G19920	transducin/WD40 domain-containing protein
13506844	5.64	5.18	1.37	0.550522	0.699981	AT5G28340	pentatricopeptide repeat-containing protein
13387484	5.64	5.25	1.31	0.530565	0.686612	FAB1	3-oxoacyl-[acyl-carrier-protein] synthase II
13391797	5.64	5.3	1.27	0.308943	0.566568	AT2G05320	beta-1,2-N-acetylglucosaminyltransferase II
13406291	5.64	5.3	1.26	0.555735	0.703169	AT2G47500	putative kinesin heavy chain
13449547	5.64	5.32	1.25	0.092419	0.429659	AT3G14750	hypothetical protein
13469040	5.64	5.37	1.21	0.27263	0.549454	AT4G15430	ERD (early-responsive to dehydration stress) family protein
13339019	5.64	5.41	1.17	0.566376	0.710656	AT1G11860	aminomethyltransferase
13398720	5.64	5.42	1.16	0.615018	0.743497	ASA2	anthranilate synthase component I-2
13398015	5.64	5.46	1.13	0.443049	0.631133	AT2G27930	PLATZ transcription factor family protein
13410802	5.64	5.46	1.13	0.659897	0.774804	XIG	myosin-like protein XIG
13417750	5.64	5.46	1.13	0.316731	0.568567	AT2G36680	vacuolar protein-sorting-associated protein 37-2
13543675	5.64	5.47	1.13	0.072049	0.408352	PUB38	U-box domain-containing protein 38
13360421	5.64	5.49	1.11	0.638654	0.759376	AT1G77930; AT1G77932	chaperone DnaJ-domain-containing protein; hypothetical protein
13487179	5.64	5.54	1.07	0.74658	0.833705	AT4G20230	terpene cyclase, C1 domain-containing protein
13436648	5.64	5.56	1.06	0.560791	0.70643	AT3G47800; MAG1	aldose 1-epimerase; vacuolar protein sorting 29 protein
13398121	5.64	5.58	1.04	0.462246	0.64275	AT2G28240	ATP-dependent helicase-like protein
13492027	5.64	5.61	1.02	0.798502	0.870442	AT4G31600	UDP-N-acetylglucosamine (UAA) transporter family protein
13454329	5.64	5.62	1.01	0.85124	0.906149	AT3G27200	plastocyanin-like domain-containing protein
13455835	5.64	5.7	-1.05	0.901867	0.939879	CAM7	calmodulin 7
13375332	5.64	5.74	-1.07	0.669918	0.780955	AT1G33970	AIG1 domain-containing protein
13446212	5.64	5.84	-1.15	0.282566	0.555512	AT3G07570	Cytochrome b561/ferric reductase transmembrane with DOMON related domain
13356853	5.64	5.9	-1.19	0.722783	0.818052	ACR4	ACT domain-containing protein
13421604	5.64	5.93	-1.21	0.087937	0.423861	FLA8	FASCICLIN-like arabinogalactan protein 8
13471074	5.64	5.99	-1.28	0.340891	0.578363	GSO1	LRR receptor-like serine/threonine-protein kinase GSO1
13523566	5.64	6.01	-1.29	0.087049	0.422399	AT5G08415	lipoyl synthase
13531945	5.64	6.03	-1.31	0.359252	0.586108	AT5G29054	hypothetical protein
13400703	5.64	6.04	-1.32	0.140736	0.467329	JAZ7	protein TIFY 5B
13399411	5.64	6.08	-1.35	0.724289	0.819212		
13388322	5.64	6.48	-1.79	0.073707	0.410046	IDL5	inflorescence deficient in abscission (IDA)-like 5 protein
13382878	5.64	6.56	-1.88	0.636188	0.758115		
13436934	5.64	6.56	-1.88	0.636188	0.758115		
13336382	5.64	6.58	-1.91	0.625946	0.750499		

13465320	5.64	6.58	-1.91	0.625946	0.750499		
13467455	5.64	6.58	-1.91	0.625946	0.750499		
13518680	5.64	6.58	-1.91	0.625946	0.750499		
13408376	5.64	7.15	-2.86	0.398308	0.604949	AT2G07724	hypothetical protein
13477192	5.63	2.47	8.94	0.016685	0.316275	AT4G33720	putative pathogenesis-related protein
13340709	5.63	4.11	2.87	0.002473	0.253459	WAKL5	wall-associated receptor kinase-like 5
13531254	5.63	4.31	2.51	0.000043	0.14124	MYB86	transcription factor MYB86
13508586	5.63	4.38	2.37	0.027628	0.343339	AT5G40100	TIR-NBS-LRR class disease resistance protein
13368061	5.63	4.41	2.33	0.185678	0.500294	RDR1; AT1G14780	RNA-dependent RNA polymerase 1; MAC/Perforin domain-containing protein
13531354	5.63	4.43	2.29	0.122541	0.45286	SYP41	syntaxin-41
13498062	5.63	4.68	1.92	0.008259	0.292829	MOS7	nuclear pore complex protein-like protein
13522345	5.63	4.69	1.91	0.287223	0.557153	AL1	alfin-like 1 protein
13379932	5.63	4.86	1.7	0.340067	0.578063	CLC-F	chloride channel protein CLC-f
13336216	5.63	4.9	1.66	0.040389	0.365651	AT1G05785	Got1/Sft2-like vescicle transport protein
13402411	5.63	4.89	1.66	0.132347	0.46234	TFIIS	transcript elongation factor IIS
13484936	5.63	4.95	1.6	0.182058	0.497197	AT4G15240	hypothetical protein
13334838	5.63	4.99	1.56	0.311425	0.566973	AT1G02370	pentatricopeptide repeat-containing protein
13394996	5.63	4.99	1.56	0.13052	0.460628	AT2G20400	myb-like HTH transcriptional regulator-like protein
13476430	5.63	4.99	1.56	0.168957	0.487519	AT4G32295	hypothetical protein
13340078	5.63	5	1.55	0.14702	0.470962	AT1G14560	Mitochondrial substrate carrier family protein
13405618	5.63	5.01	1.54	0.088438	0.424895	AT2G46090	diacylglycerol kinase-like protein
13440756	5.63	5	1.54	0.205614	0.512475	AT3G57940	hypothetical protein
13340121	5.63	5.01	1.53	0.046054	0.376853	AT1G14642	hypothetical protein
13402594	5.63	5.02	1.53	0.354193	0.584251	AT2G38950	transcription factor jumonji and C5HC2 type zinc finger domain-containing protein
13343602	5.63	5.11	1.44	0.307838	0.56601	AT1G22882	Galactose-binding protein
13371878	5.63	5.11	1.43	0.622764	0.748673	AT1G23970	hypothetical protein
13469320	5.63	5.14	1.41	0.045235	0.375052	AT4G15940	fumarylacetoacetate hydrolase-like protein
13338640	5.63	5.16	1.39	0.320006	0.570589	AT1G11090	alpha/beta-hydrolase-like protein
13490143	5.63	5.15	1.39	0.348711	0.580874	AT4G26980	hypothetical protein
13543891	5.63	5.18	1.37	0.088842	0.425464	AT5G65685	soluble glycogen synthase-related protein
13442707	5.63	5.22	1.32	0.272315	0.549146	AT3G62650	hypothetical protein
13453106	5.63	5.23	1.32	0.295011	0.56088	AT3G24110	putative calcium-binding protein CML22
13371436	5.63	5.25	1.3	0.307118	0.565762	AT1G22960	pentatricopeptide repeat-containing protein
13372485	5.63	5.27	1.29	0.12462	0.453788	AT1G26170	armadillo/beta-catenin-like repeat-containing protein
13379705	5.63	5.3	1.26	0.035769	0.356602	AT1G55140	Ribonuclease III-like protein
13526301	5.63	5.3	1.25	0.207972	0.513672	AT5G14820; AT3G62540; AT3G62470	pentatricopeptide repeat-containing protein
13388708	5.63	5.38	1.19	0.564867	0.709385	AT1G77660	putative phosphatidylinositol-4-phosphate 5-kinase
13489575	5.63	5.38	1.18	0.375187	0.593207	AT4G25707	hypothetical protein
13450217	5.63	5.41	1.17	0.674743	0.784469	AT3G16560	putative protein phosphatase 2C 40
13522887	5.63	5.47	1.12	0.715004	0.812699	AT5G06830	CDK5RAP3-like protein
13341755	5.63	5.5	1.1	0.78858	0.862973	AT1G18460	alpha/beta-hydrolase-like protein

13374461	5.63	5.5	1.09	0.864357	0.915407		
13365048	5.63	5.53	1.07	0.838832	0.898428	LIG1	DNA ligase 1
13401259	5.63	5.54	1.06	0.426865	0.621268	AT2G35795	chaperone DnaJ-domain containing protein
13540136	5.63	5.55	1.06	0.287464	0.557153	AT5G56730	Insulinase (Peptidase family M16) protein
13517299	5.63	5.62	1.01	0.982592	0.989731	NRPC1	nuclear RNA polymerase C1
13502494	5.63	5.93	-1.23	0.344249	0.57939	AT5G16930; AT5G16940	AAA-type ATPase family protein; carbon-sulfur lyase
13482164	5.63	5.94	-1.24	0.280735	0.554428	AT4G08170	inositol-tetrakisphosphate 1-kinase 2
13407398	5.63	6.12	-1.4	0.329713	0.575101	AT2G03200	aspartyl protease-like protein
13425186	5.63	6.2	-1.49	0.021296	0.325044	TRX z	thioredoxin-like protein CITRX
13369070	5.63	6.33	-1.63	0.080937	0.41589	AT1G17147	VQ motif-containing protein
13526872	5.63	6.35	-1.65	0.060163	0.395762	AT5G16250	hypothetical protein
13494748	5.63	6.66	-2.05	0.112832	0.443921	CYP81F4; AT4G37409	cytochrome P450, family 81, subfamily F, polypeptide 4; hypothetical protein
13410010	5.62	3.81	3.5	0.036208	0.358377	AT2G18270	hypothetical protein
13485320	5.62	4.6	2.03	0.029424	0.348027	PHYD	phytochrome D
13378573	5.62	4.64	1.98	0.181615	0.496969	TRZ3	tRNAse Z3
13359002	5.62	4.7	1.9	0.408336	0.610666	SOT18	sulfotransferase 18
13452053	5.62	4.79	1.77	0.045302	0.375052	PUR7	phosphoribosylaminoimidazole-succinocarboxamide synthase
13335940	5.62	4.81	1.76	0.29897	0.562461	AT1G04900	hypothetical protein
13370174	5.62	4.83	1.73	0.170799	0.48883	ATTRX4	thioredoxin H4
13474439	5.62	4.94	1.6	0.225888	0.524988	AT4G27900	CCT motif family protein
13537799	5.62	5.01	1.53	0.328551	0.574512	AT5G50340	ATP binding / damaged DNA binding / nucleoside-triphosphatase/ nucleotide binding protein
13342369	5.62	5.04	1.5	0.076185	0.410503	TGD1	trigalactosyldiacylglycerol 1
13349747	5.62	5.09	1.45	0.122044	0.452662	AT1G48840	hypothetical protein
13402452	5.62	5.09	1.45	0.338648	0.577413	AT2G38660	amino acid dehydrogenase-like protein
13440307	5.62	5.08	1.45	0.051169	0.382129	AT3G56840	FAD-dependent oxidoreductase-like protein
13401485	5.62	5.1	1.44	0.48314	0.653825	AT2G36350	protein kinase-like protein
13404407	5.62	5.14	1.4	0.059814	0.395174	AT2G43190	ribonuclease P-like protein
13456889	5.62	5.15	1.39	0.117764	0.447676	RABA2c	Ras-related protein RABA2c
13457474	5.62	5.14	1.39	0.065305	0.401941	AT3G48410	alpha/beta-hydrolase domain-containing protein
13338511	5.62	5.25	1.29	0.276474	0.551293	PRS3	ribose-phosphate pyrophosphokinase 3
13466088	5.62	5.28	1.26	0.631112	0.754445	AT4G05590	hypothetical protein
13414294	5.62	5.31	1.24	0.004927	0.268309	UXS6	UDP-XYL synthase 6
13496543	5.62	5.35	1.21	0.194681	0.505856	AT5G02370; MT2B	kinesin family member 22; metallothionein 2B
13493773	5.62	5.36	1.2	0.21605	0.519774	AT4G35250	Rossmann-fold NAD(P)-binding domain-containing protein
13349692	5.62	5.38	1.18	0.63045	0.754139	PEX3	peroxin 3
13481595	5.62	5.42	1.14	0.399541	0.605391	ATG8B	autophagy-related protein 8b
13506243	5.62	5.46	1.12	0.778661	0.855957	AT5G26990	protein dehydration-INDUCED 19-6
13477714	5.62	5.46	1.11	0.297965	0.562458	ROC5	Peptidyl-prolyl cis-trans isomerase CYP18-4
13467459	5.62	5.51	1.08	0.376171	0.593207	AT4G11440	Mitochondrial substrate carrier family protein
13393035	5.62	5.55	1.05	0.153839	0.476554	AT2G14850	hypothetical protein
13450223	5.62	5.54	1.05	0.841763	0.900344	AT3G16565	putative nucleotide binding protein

13424528	5.62	5.58	1.03	0.943547	0.966265	AT3G05230	Signal peptidase complex subunit 3A
13506651	5.62	5.58	1.03	0.8334	0.894611	EMB2775	replication factor C subunit 3/5
13351383	5.62	5.65	-1.02	0.88443	0.929491	AT1G52820	putative 2-oxoglutarate-dependent dioxygenase
13335511	5.62	5.67	-1.03	0.868905	0.918522	ADK1	dual specificity kinase 1
13428458	5.62	5.69	-1.05	0.896063	0.936049	AT3G15090	GroES-like zinc-binding alcohol dehydrogenase family protein
13494058	5.62	5.69	-1.05	0.797995	0.870063	RAC6	Rac-like GTP-binding protein ARAC6
13446320	5.62	5.72	-1.07	0.499592	0.664765	AT3G07850	galacturan 1,4-alpha-galacturonidase
13529986	5.62	5.71	-1.07	0.809565	0.878004	AT5G23710	DNA binding / DNA-directed RNA polymerase
13427831	5.62	5.75	-1.09	0.861838	0.913957	NAP1;4	nucleosome assembly protein1;4
13351070	5.62	5.79	-1.12	0.440187	0.629816	AR791	actin binding protein family
13365318	5.62	5.89	-1.21	0.253884	0.539549	AIP3	ABI3-interacting protein 3
13441706	5.62	5.93	-1.24	0.07183	0.408234	AT3G60318	hypothetical protein
13443853	5.62	6.04	-1.34	0.010986	0.297771	RPA32B	replication factor A2
13344574	5.62	6.2	-1.5	0.458405	0.640118	AT1G26180	hypothetical protein
13480634	5.62	6.22	-1.52	0.064142	0.400648	AT4G01700; PPOX	class II chitinase-like protein; protoporphyrinogen oxidase
13429130	5.62	6.56	-1.91	0.167067	0.486855	NSP4	Nitrile-specifier protein 4
13538132	5.62	6.62	-2	0.066213	0.403288	RHD2	Respiratory burst oxidase-C
13354203	5.62	6.67	-2.07	0.216548	0.519792	BGLU46	beta glucosidase 46
13520935	5.62	7.09	-2.75	0.281066	0.554564	PRA1.B5	PRA1-like protein B5
13447099	5.62	7.24	-3.08	0.080708	0.415576	AT3G09925	pollen Ole e 1 allergen and extensin family protein
13469234	5.61	4.22	2.62	0.12863	0.458836	RALFL33	protein ralf-like 33
13519437	5.61	4.35	2.41	0.08673	0.422315	AT5G64880	hypothetical protein
13491551	5.61	4.44	2.24	0.13374	0.463251	AT4G30410	sequence-specific DNA binding transcription factor
13529912	5.61	4.53	2.12	0.173826	0.490907	AT5G23550	Got1/Sft2-like vescicle transport protein
13454537	5.61	4.61	2	0.054637	0.386003	AT3G27700	zinc finger CCCH domain-containing protein 41
13339743	5.61	4.66	1.93	0.055468	0.387926	AFP2	Ninja-family protein AFP2
13361559	5.61	4.67	1.92	0.136305	0.465036	AT1G80520	Sterile alpha motif (SAM) domain-containing protein
13359230	5.61	4.74	1.83	0.031049	0.351113	AT1G74750	pentatricopeptide repeat-containing protein
13334585	5.61	4.79	1.78	0.10417	0.4366	ARK2	armadillo repeat-containing kinesin-like protein 2
13405447	5.61	4.85	1.69	0.051986	0.382443	AT2G45710	40S ribosomal protein S27-1
13396529	5.61	4.91	1.63	0.192529	0.505564	AT2G24040	Low temperature and salt responsive protein
13334264	5.61	4.92	1.61	0.268021	0.546571	CNX3	Molybdopterin biosynthesis protein CNX3
13434372	5.61	4.94	1.59	0.113068	0.444281	AT3G28700	hypothetical protein
13487746	5.61	4.96	1.57	0.00761	0.290374	MSRB2	peptide methionine sulfoxide reductase B2
13365982	5.61	4.97	1.56	0.333493	0.576298	AT1G10040	putative serine esterase type enzyme with an alpha/beta hydrolase fold-containing protein
13503617	5.61	4.96	1.56	0.321991	0.57149	OEP80	outer envelope protein
13448699	5.61	5	1.53	0.203245	0.510622	MRP3	ABC transporter C family member 3
13413266	5.61	5.02	1.5	0.195294	0.50631	AT2G26470	hypothetical protein

13364263	5.61	5.1	1.42	0.030223	0.350098	AT1G06590; POR C	anaphase-promoting complex subunit 5; protochlorophyllide reductase C
13489922	5.61	5.13	1.4	0.301126	0.563858	AT4G26555	FKBP-like peptidyl-prolyl cis-trans isomerase family protein
13541057	5.61	5.19	1.34	0.322723	0.571879	AT5G58730	pfkB-like carbohydrate kinase family protein
13525931	5.61	5.23	1.31	0.025409	0.335434	AT5G14105	hypothetical protein
13503279	5.61	5.23	1.3	0.224118	0.524779	AT5G19070	SNARE associated Golgi family protein
13352751	5.61	5.24	1.29	0.278365	0.552993	AT1G55930	CBS and transporter associated domain-containing protein
13364706	5.61	5.25	1.28	0.425903	0.620781	AT1G07520	GRAS family transcription factor
13440843	5.61	5.26	1.28	0.309938	0.566973	AT3G58130	N-acetylglucosaminylphosphatidylinositol de-N-acetylase family protein
13486297	5.61	5.29	1.25	0.1223	0.452662	AT4G17910	transferase
13373561	5.61	5.35	1.2	0.524043	0.681826	WAVE2	protein SCAR3
13356719	5.61	5.39	1.16	0.254864	0.540094	TADA	tRNA-specific adenosine deaminase
13392626	5.61	5.42	1.14	0.654901	0.771119	AT2G13100	putative glycerol-3-phosphate transporter 5
13386262	5.61	5.46	1.11	0.607106	0.737449	AT1G72190; AT1G72180	D-isomer specific 2-hydroxyacid dehydrogenase-like protein; leucine-rich receptor-like protein kinase
13517489	5.61	5.46	1.11	0.546894	0.697166	AT5G60430	antiporter/ drug transporter
13524411	5.61	5.49	1.08	0.707977	0.807958	MSL2	MSCS-like 2 protein
13391004	5.61	5.66	-1.03	0.8665	0.916794	AT2G02880	mucin-related protein
13375178	5.61	5.78	-1.13	0.763618	0.845223	AT1G33420	PHD finger protein
13467169	5.61	5.78	-1.13	0.073858	0.410257	AT4G10620	GTPase YqeH-like protein
13340469	5.61	5.81	-1.15	0.429622	0.622807	CENP-C	centromere protein C
13351765	5.61	5.82	-1.15	0.514031	0.674837	GSTU28	glutathione S-transferase TAU 28
13337629	5.61	6.3	-1.62	0.00033	0.181632	CSD1	Superoxide dismutase [Cu-Zn]
13510740	5.61	6.45	-1.79	0.093338	0.430177	AT5G45100	S-ribonuclease binding protein
13379308	5.61	7.17	-2.93	0.047394	0.37767	AT1G54010	GDSL esterase/lipase
13399646	5.6	3.81	3.45	0.012794	0.304248	AT2G32160	N2227-like domain-containing protein
13342695	5.6	3.95	3.14	0.006084	0.280665	WOX14	WUSCHEL-related homeobox 14
13361976	5.6	4.53	2.09	0.096071	0.432102	AT1G01440	hypothetical protein
13513852	5.6	4.62	1.97	0.136	0.465036	AT5G52070	Agenet domain-containing protein
13472274	5.6	4.7	1.88	0.044699	0.374597	IQD22	protein IQ-domain 22
13388414	5.6	4.75	1.8	0.109745	0.440987	PGSIP2	plant glycogenin-like starch initiation protein 2
13396355	5.6	4.8	1.73	0.197182	0.507663	NAPRT2	nicotinate phosphoribosyltransferase
13496665	5.6	4.83	1.7	0.000764	0.214003	AT5G02680	hypothetical protein
13408666	5.6	4.83	1.7	0.340685	0.578277	AT2G13440	glucose-inhibited division family A protein
13446565	5.6	4.86	1.67	0.154815	0.477818	AT3G08840	D-alanine--D-alanine ligase family protein
13418970	5.6	4.89	1.64	0.147644	0.471804	AT2G39360	putative receptor-like protein kinase
13509850	5.6	4.91	1.62	0.057932	0.39275	AT5G42830	HXXXD-type acyl-transferase-like protein
13517043	5.6	4.91	1.61	0.223595	0.524399	TRP1	Telomere repeat-binding protein 1
13465479	5.6	4.96	1.56	0.269258	0.547787	FIB	putative plastid-lipid-associated protein 1
13545707	5.6	4.96	1.56	0.362102	0.587911	AT1G26230	TCP-1/cpn60 chaperonin-like protein
13508858	5.6	4.96	1.55	0.266732	0.546327	AT5G40710	C2H2 type zinc finger protein
13356099	5.6	5.05	1.47	0.517923	0.677364	AT1G67340	zinc finger (MYND type) family protein / F-box family protein
13482206	5.6	5.05	1.46	0.008575	0.293015	AT4G08330; AT4G08320	hypothetical protein; tetratricopeptide repeat domain-containing protein

13335425	5.6	5.05	1.46	0.216537	0.519792	SWI2	switch 2
13368981	5.6	5.05	1.46	0.133714	0.463251	AT1G16916	hypothetical protein
13336755	5.6	5.08	1.43	0.067789	0.405781	AT1G06790; PLA-I{gamma}1	RNA polymerase Rpb7 N-terminal domain-containing protein; phospholipase A1-Igamma1
13362723	5.6	5.09	1.43	0.34439	0.579454	AT1G03350	BSD domain-containing protein
13336804	5.6	5.09	1.42	0.051482	0.382129	AT1G06960	RNA recognition motif-containing protein
13350887	5.6	5.1	1.41	0.409724	0.611229	ZML2; MNS1	GATA transcription factor 28; mannosyl-oligosaccharide 1,2-alpha-mannosidase MNS1
13382760	5.6	5.12	1.4	0.302275	0.563905	AT1G63610	hypothetical protein
13371853	5.6	5.12	1.39	0.390758	0.600347	AT1G23950	hypothetical protein
13410632	5.6	5.12	1.39	0.371871	0.591916	HBT	cell division cycle protein 27-B
13543173	5.6	5.13	1.38	0.371527	0.591914	AT5G64010	hypothetical protein
13340390	5.6	5.14	1.37	0.226009	0.524988	AT1G15470	serine-threonine kinase receptor-associated protein
13538080	5.6	5.18	1.34	0.601162	0.733158	AT5G50900	armadillo/beta-catenin-like repeat-containing protein
13339050	5.6	5.22	1.3	0.293302	0.559559	AT1G11905	B-cell receptor-associated protein 31-like protein
13403082	5.6	5.21	1.3	0.348401	0.580705	AT2G40095	Alpha/beta hydrolase related protein
13524674	5.6	5.29	1.24	0.019327	0.321499	ALF4	Aberrant root formation protein 4
13381375	5.6	5.29	1.24	0.133978	0.463251	DRP4A	Dynamin related protein 4A
13454264	5.6	5.31	1.22	0.437676	0.628204	AT3G27100	enhancer of yellow 2 transcription factor
13510976	5.6	5.31	1.22	0.494163	0.661014	AT5G45660	hypothetical protein
13403431	5.6	5.33	1.21	0.478226	0.651265	ATG18C	ATG18c-like protein
13513323	5.6	5.32	1.21	0.419762	0.617215	AT5G50970	transducin/WD40 domain-containing protein
13415486	5.6	5.37	1.17	0.696879	0.800374	AT2G31580	tRNAHis guanylyltransferase
13509421	5.6	5.38	1.17	0.190212	0.503959	AT5G42000	ORMDL domain-containing protein
13432805	5.6	5.41	1.14	0.767388	0.848126	PLSP1	chloroplast processing peptidase
13462799	5.6	5.46	1.11	0.6686	0.779865	AT3G61380	Phosphatidylinositol N-acetyglucosaminlytransferase subunit P-like protein
13469896	5.6	5.49	1.08	0.645587	0.764053	AT4G17370	Oxidoreductase family protein
13450069	5.6	5.51	1.07	0.602056	0.733684	PDX1.2	putative pyridoxal biosynthesis protein PDX1.2
13509227	5.6	5.51	1.06	0.538109	0.691177	CHX18	cation/H(+) antiporter 18
13528573	5.6	5.62	-1.02	0.927414	0.956048	AT5G20170	RNA polymerase II transcription mediator
13524639	5.6	5.67	-1.05	0.857091	0.910677	AT5G10950	cylicin-related protein
13356677	5.6	5.68	-1.06	0.798965	0.870703	AT1G68650	UPF0016 protein 5
13377842	5.6	5.71	-1.08	0.783166	0.859067	TAF15	TBP-associated factor 15
13417737	5.6	5.76	-1.11	0.660006	0.774897	AT2G36670	aspartyl protease-like protein
13374787	5.6	5.77	-1.12	0.717373	0.814324	ATS1	glycerol-3-phosphate acyltransferase
13438582	5.6	5.77	-1.12	0.755987	0.840335	AT3G52580	40S ribosomal protein S14-3
13356703	5.6	5.8	-1.14	0.219731	0.521702	AT1G68690	protein kinase-like protein
13347698	5.6	5.83	-1.17	0.541962	0.693664	AT1G34160	pentatricopeptide repeat-containing protein
13394120	5.6	5.82	-1.17	0.383136	0.597469	AT2G18245	alpha/beta-hydrolase domain-containing protein
13513706	5.6	6.16	-1.48	0.016358	0.315398	AT5G51680; ACS12	hydroxyproline-rich glycoprotein family protein; putative aminotransferase ACS12

13338816	5.6	6.24	-1.56	0.053075	0.383285	AT1G11440	hypothetical protein
13525272	5.6	6.58	-1.98	0.092533	0.429659	AT5G12420	O-acyltransferase (WSD1-like) family protein
13451782	5.6	7.1	-2.85	0.006955	0.285606	GRP5	glycine-rich protein 5
13509847	5.59	4.2	2.62	0.136832	0.465316	AT5G42825	hypothetical protein
13507224	5.59	4.23	2.56	0.02577	0.33601	AT5G35320	hypothetical protein
13402368	5.59	4.41	2.27	0.094588	0.431058	AT2G38450	hypothetical protein
13346655	5.59	4.47	2.17	0.002608	0.253459	AGO2	Argonaute family protein
13394348	5.59	4.49	2.14	0.310038	0.566973	AT2G18860	Syntaxin/t-SNARE family protein
13469721	5.59	4.57	2.03	0.014573	0.313095	AT4G16840	hypothetical protein
13499817	5.59	4.57	2.03	0.176783	0.4932	AT5G10050	1-acylglycerone phosphate reductase
13450808	5.59	4.63	1.94	0.24316	0.534289	AT3G18250	Putative membrane lipoprotein
13487775	5.59	4.71	1.84	0.019196	0.321499	AT4G21903	mate efflux domain-containing protein
13504998	5.59	4.7	1.84	0.030816	0.350366	AT5G23690	Polynucleotide adenylyltransferase family protein
13473540	5.59	4.76	1.77	0.121327	0.452303	AT4G25835	AAA-type ATPase family protein
13522449	5.59	4.78	1.75	0.140233	0.466502	AT5G05800	hypothetical protein
13377853	5.59	4.8	1.73	0.071994	0.408294	THX	thioredoxin X
13432893	5.59	4.81	1.71	0.009431	0.296261	ICK3	cyclin-dependent kinase inhibitor 5
13340695	5.59	4.85	1.68	0.330771	0.575858	WAKL1	wall-associated receptor kinase-like 1
13527414	5.59	4.89	1.63	0.030458	0.350098	ER-ANT1	endoplasmic reticulum-adenine nucleotide transporter 1
13392106	5.59	4.91	1.6	0.249608	0.537218	HEN2	RNA helicase, ATP-dependent, SK12/DOB1 protein
13539629	5.59	4.93	1.58	0.112556	0.443735	FTSZ1-1	cell division protein ftsZ-like protein
13484050	5.59	4.97	1.54	0.05382	0.3842	AMT1;1	ammonium transporter 1;1
13402524	5.59	4.99	1.52	0.138857	0.465847	AT2G38820	hypothetical protein
13395382	5.59	5.01	1.5	0.573926	0.715637	AT2G21290	30S ribosomal protein S31
13378218	5.59	5.02	1.49	0.426265	0.620806	AT1G51560	Pyridoxamine 5'-phosphate oxidase-like protein
13422273	5.59	5.03	1.48	0.139123	0.466075	AT2G47020	Peptide chain release factor 1
13521537	5.59	5.05	1.45	0.011188	0.297771	AT5G03440	hypothetical protein
13525779	5.59	5.09	1.42	0.336442	0.576994	PPH	pheophytinase
13453302	5.59	5.09	1.41	0.198651	0.508119	AT3G24450	heavy metal transport/detoxification domain-containing protein
13531860	5.59	5.1	1.4	0.169198	0.487689	AT5G28750	sec-independent protein translocase protein TatA
13542776	5.59	5.13	1.38	0.341921	0.57877	AT5G63120	DEAD-box ATP-dependent RNA helicase 30
13449779	5.59	5.13	1.37	0.437463	0.628101	AT3G15460	ribosomal RNA processing brix domain-containing protein
13512457	5.59	5.2	1.32	0.00267	0.253459	PRMT4A	histone-arginine methyltransferase CARM1
13474320	5.59	5.2	1.31	0.264798	0.545611	VPS26B	vacuolar protein sorting-associated protein 26
13505415	5.59	5.22	1.29	0.243678	0.534763	AT5G24680	Peptidase C78, ubiquitin fold modifier-specific peptidase 1/ 2
13443085	5.59	5.25	1.27	0.443096	0.631168	AT3G01160	hypothetical protein
13518912	5.59	5.24	1.27	0.253278	0.539237	BGAL10	beta-galactosidase 10
13351983	5.59	5.27	1.24	0.573779	0.715515	ATG12A	ubiquitin-like protein ATG12A
13360316	5.59	5.27	1.24	0.214876	0.519459	PPK1	serine/threonine-protein kinase TTK/MPS1

13480329	5.59	5.31	1.21	0.526443	0.68369	ECA2	Ca2+-transporting ATPase
13516423	5.59	5.31	1.21	0.694651	0.798647	CPL4	RNA polymerase II C-terminal domain phosphatase-like 4
13459414	5.59	5.46	1.09	0.657657	0.773223	AT3G53320	hypothetical protein
13470897	5.59	5.48	1.08	0.5131	0.674359	AT4G19610	nucleotide/nucleic acid binding protein
13429492	5.59	5.53	1.05	0.359332	0.586108	AT3G17350	hypothetical protein
13481324	5.59	5.61	-1.01	0.955625	0.97361	GRH1	GRR1-like protein 1
13439028	5.59	5.63	-1.02	0.561151	0.706611	AT3G53670; CPuORF51	hypothetical protein; conserved peptide upstream open reading frame 51
13505256	5.59	5.63	-1.03	0.700774	0.803136	ABIL3	protein ABIL3
13433488	5.59	5.77	-1.13	0.009544	0.296261	AT3G26380	Melibiase family protein
13360938	5.59	5.81	-1.16	0.315727	0.568464	AT1G79060	hypothetical protein
13437270	5.59	5.82	-1.17	0.38011	0.595571	AT3G49000	RNA polymerase III subunit RPC82 family protein
13509561	5.59	5.82	-1.17	0.365803	0.59002	VAR1; AT5G42280	cell division protease ftsH-5; cysteine/histidine-rich C1 domain-containing protein
13479047	5.59	5.86	-1.2	0.641067	0.760758	EXPA20	expansin A20
13397470	5.59	5.91	-1.25	0.414149	0.614187	AT2G26570	hypothetical protein
13503765	5.59	6.02	-1.35	0.121265	0.45228	AT5G19940; AT5G19950	putative plastid-lipid-associated protein 8; hypothetical protein
13525805	5.59	6.5	-1.89	0.453967	0.637454	ELC-Like	protein ELC-like protein
13391897	5.58	2.8	6.9	0.003823	0.257741	AT2G05635	DNA repair DEAD helicase RAD3/XP-D subfamily protein
13443997	5.58	3.9	3.2	0.034043	0.354099	AT3G03270	adenine nucleotide alpha hydrolases-like protein
13522824	5.58	4.38	2.3	0.051877	0.382324	HAT14	homeobox-leucine zipper protein HAT14
13461887	5.58	4.45	2.19	0.156471	0.479127	PAO3; CPuORF18	Polyamine oxidase 3; conserved peptide upstream open reading frame 18
13438854	5.58	4.56	2.03	0.04901	0.377942	AT3G53210	nodulin MtN21 /EamA-like transporter family protein
13396906	5.58	4.57	2.01	0.148296	0.471967	AT2G25190	PPPDE putative thiol peptidase-like protein
13486571	5.58	4.74	1.8	0.298622	0.562461	WAVE5	scar-like domain-containing protein WAVE 5
13436161	5.58	4.85	1.65	0.261588	0.543542	TIM9	mitochondrial import inner membrane translocase subunit Tim9
13429633	5.58	4.87	1.64	0.042573	0.369544	ENA	enhancer of ATNSI activity protein
13452163	5.58	4.87	1.64	0.041056	0.366381	UBP7	ubiquitin-specific protease 7
13382889	5.58	4.88	1.62	0.164546	0.485865	AT1G63810	hypothetical protein
13457896	5.58	4.89	1.61	0.294943	0.56088	UBP26	ubiquitin-specific protease 26
13447085	5.58	4.9	1.6	0.063056	0.398838	PIP5K9	phosphatidylinositol-4-phosphate 5-kinase 9
13335160	5.58	5.03	1.46	0.279172	0.553698	AT1G03110	transducin/WD-40 repeat-containing protein
13480754	5.58	5.05	1.45	0.171206	0.489265	AT4G01910	cysteine/histidine-rich C1 domain-containing protein
13353915	5.58	5.08	1.41	0.431295	0.623809	AT1G61030	WAPL (Wings apart-like protein regulation of heterochromatin) protein
13510006	5.58	5.08	1.41	0.216234	0.519792	ETFBETA; AT5G43440	Electron transfer flavoprotein subunit beta; putative 2-oxoglutarate-dependent dioxygenase

13386702	5.58	5.16	1.34	0.35905	0.58604	AT1G73170	P-loop containing nucleoside triphosphate hydrolase
13399505	5.58	5.19	1.31	0.078161	0.413717		
13388072	5.58	5.22	1.29	0.232393	0.528375	AT1G76360	putative protein kinase
13480086	5.58	5.24	1.27	0.181845	0.496969	AT4G00530	hypothetical protein
13535350	5.58	5.26	1.25	0.031996	0.352653	AT5G44320	translation initiation factor eIF-3 subunit 7
13463793	5.58	5.32	1.2	0.217118	0.52019	AT4G00030; AT4G00040	putative plastid-lipid-associated protein 11; chalcone synthase 2-like protein
13507651	5.58	5.32	1.2	0.324559	0.573051	AT5G37130	prenylyltransferase-like protein
13501946	5.58	5.42	1.12	0.30105	0.563852	AT5G15750	S4/Hsp/ tRNA synthetase RNA-binding domain-containing protein
13434092	5.58	5.43	1.11	0.574449	0.716007	AT3G27870	phospholipid-translocating ATPase
13365176	5.58	5.47	1.08	0.759716	0.842526	AT1G08350	endomembrane protein 70-like protein
13495614	5.58	5.48	1.07	0.587046	0.72546	AT4G39150	DNAJ heat shock N-terminal domain-containing protein
13395898	5.58	5.51	1.05	0.616231	0.744226	GEM	GLABRA2 expression modulator
13444367	5.58	5.54	1.03	0.954489	0.972765	NAC046	NAC domain containing protein 46
13516247	5.58	5.54	1.02	0.962357	0.977819	MYB36	myb domain protein 36
13344061	5.58	5.62	-1.02	0.915968	0.949153	FH4	formin homologue 4
13413714	5.58	5.61	-1.02	0.897674	0.936817	AT2G27285	Coiled-coil domain-containing protein 55 (DUF2040)
13393199	5.58	5.64	-1.04	0.885833	0.930155	AT2G15530	RING/U-box domain-containing protein
13350964	5.58	5.83	-1.19	0.568192	0.711278	DOF1	Dof zinc finger protein DOF1.7
13403867	5.58	6.04	-1.37	0.34907	0.581167	MIZ1	hypothetical protein
13540526	5.58	6.4	-1.77	0.106991	0.439322	AT5G57480	AAA-type ATPase family protein
13441861	5.58	6.56	-1.97	0.258886	0.541592	AT3G60650	hypothetical protein
13383065	5.58	7.08	-2.83	0.176191	0.492524	TOM7-2	mitochondrial import receptor subunit TOM7-2
13394050	5.58	7.95	-5.18	0.020131	0.322692	HIS1-3	histone H1-3
13514701	5.57	4.07	2.83	0.095451	0.431597	AT5G53830	VQ motif-containing protein
13440054	5.57	4.56	2.01	0.252706	0.538805	AT3G56010	hypothetical protein
13398750	5.57	4.63	1.92	0.077455	0.412499	UGT71C1	UDP-glucosyl transferase 71C1
13520480	5.57	4.69	1.85	0.055644	0.388206	CYCD3;2	cyclin-D3-2
13464151	5.57	4.77	1.73	0.212959	0.517954	GIF3	GRF1-interacting factor 3
13355450	5.57	4.9	1.59	0.052156	0.382443	AT1G65295	hypothetical protein
13373632	5.57	4.9	1.59	0.177822	0.493801	AT1G29355	hypothetical protein
13395571	5.57	4.92	1.58	0.019103	0.321499	AT2G21630	sec23/sec24-like transport protein
13362833	5.57	4.92	1.56	0.298811	0.562461	AT1G03590	putative protein phosphatase 2C 1
13340676	5.57	4.96	1.53	0.025181	0.335081	AT1G16080	hypothetical protein
13361742	5.57	4.97	1.52	0.000265	0.180656	AT1G80870	protein kinase-like protein
13362342	5.57	5.02	1.46	0.092435	0.429659	AT1G02360	putative chitinase
13400248	5.57	5.03	1.45	0.156927	0.479555	AT2G33435	RNA recognition motif-containing protein
13450480	5.57	5.06	1.43	0.199423	0.508847	AT3G17250	putative protein phosphatase 2C 43
13542854	5.57	5.06	1.42	0.137723	0.46568	NDPK2; AT5G63300	nucleoside diphosphate kinase II; ribosomal protein S21 family protein
13354379	5.57	5.08	1.4	0.072222	0.408352	AT1G62480	Vacuolar calcium-binding protein-like protein
13403345	5.57	5.14	1.34	0.483772	0.654182	AT2G40630	hypothetical protein
13417351	5.57	5.15	1.34	0.459971	0.641209	AT2G35730	heavy-metal-associated domain-containing protein

13446996	5.57	5.15	1.34	0.076998	0.411736	AT3G09700	chaperone DnaJ-domain containing protein
13407863	5.57	5.16	1.33	0.090247	0.427018	EMB2761	putative threonyl-tRNA synthetase, putative / threonine--tRNA ligase
13409139	5.57	5.15	1.33	0.083401	0.417856	AT2G15980	pentatricopeptide repeat-containing protein
13501208	5.57	5.17	1.32	0.513321	0.674455	AT5G13760	Plasma-membrane choline transporter family protein
13423274	5.57	5.23	1.27	0.277544	0.55217	AT3G02320	putative N(2),N(2)-dimethylguanosine tRNA methyltransferase 2
13530657	5.57	5.24	1.26	0.305725	0.565016	AT5G24870	RING/U-box domain-containing protein
13350031	5.57	5.34	1.18	0.751423	0.837161	AT1G49520	SWIB complex BAF60b domain-containing protein
13384518	5.57	5.32	1.18	0.162916	0.484829	AT1G67410	exostosin-like protein
13399927	5.57	5.39	1.13	0.621991	0.748059	AT2G32580	hypothetical protein
13365995	5.57	5.45	1.09	0.859988	0.912674	AT1G10090; BCAT-2	Early-responsive to dehydration stress protein (ERD4); branched-chain-amino-acid aminotransferase 2
13527026	5.57	5.53	1.03	0.645041	0.763603	AT5G16610	hypothetical protein
13496114	5.57	5.59	-1.01	0.917987	0.950372	ACI1	ALC-interacting protein 1
13542441	5.57	5.66	-1.06	0.686019	0.792294	CXE20	carboxyesterase 20
13447178	5.57	5.69	-1.08	0.797558	0.869734	TAF12; AT3G10060	transcription initiation factor TFIID subunit D10; FKBP-like peptidyl-prolyl cis-trans isomerase-like protein
13458802	5.57	5.68	-1.08	0.280699	0.554406	TG1	transmembrane protein G1P-related 1
13452887	5.57	5.78	-1.16	0.740054	0.829124	ALF5	mate efflux domain-containing protein
13463327	5.57	5.86	-1.23	0.743334	0.831509	AT3G62540	pentatricopeptide repeat-containing protein
13413485	5.57	5.88	-1.24	0.428042	0.622066	AT2G26900	Sodium bile acid symporter-like protein
13532022	5.57	5.88	-1.24	0.364769	0.58945	AT5G33300	chromosome-associated kinesin-like protein
13372463	5.57	5.91	-1.27	0.223351	0.524399	PERK10	proline-rich extensin-like receptor kinase 10
13479796	5.57	5.94	-1.29	0.211278	0.516596	CYP79B2	tryptophan N-hydroxylase 1
13533418	5.57	6.25	-1.6	0.291098	0.558985	AT5G38900	DSBA oxidoreductase family protein
13371618	5.57	6.3	-1.65	0.003304	0.253459	AT1G23340	hypothetical protein
13503882	5.57	7.45	-3.68	0.100609	0.434659	SPX1	SPX domain-containing protein 1
13436936	5.57	8.3	-6.66	0.016921	0.317559	AT3G48340	putative cysteine proteinase
13349836	5.56	3.09	5.53	0.037648	0.361469	AT1G49032	hypothetical protein
13348709	5.56	3.89	3.2	0.013529	0.309124	AT1G43800	stearoyl-acyl-carrier protein desaturase-like protein
13410938	5.56	4.39	2.24	0.015589	0.315212	AT2G20550	HSP40/DnaJ peptide-binding protein
13347041	5.56	4.44	2.18	0.022746	0.329196	AT1G32310	hypothetical protein
13473512	5.56	4.67	1.86	0.043675	0.372891	AT4G25800	Calmodulin-binding protein
13476192	5.56	4.82	1.67	0.27093	0.548712	AT4G31790	diphthine synthase
13410196	5.56	4.88	1.61	0.007476	0.289866	LKP2	LOV KELCH protein 2
13527749	5.56	4.92	1.56	0.161241	0.483302	AT5G18260	protein binding / zinc ion binding protein
13495716	5.56	4.93	1.54	0.173677	0.490884	SAMC1	S-adenosylmethionine carrier 1
13347793	5.56	5.05	1.42	0.242914	0.534256	AT1G34350	hypothetical protein
13408835	5.56	5.06	1.41	0.252887	0.538981	AT2G14285	Small nuclear ribonucleoprotein family protein
13529833	5.56	5.17	1.31	0.363931	0.589143	AT5G23395	Cox19-like CHCH family protein
13352039	5.56	5.21	1.28	0.517937	0.677364	AT1G54310	S-adenosylmethionine-dependent methyltransferase domain-containing protein
13479880	5.56	5.22	1.27	0.319162	0.570099	AT4G00026	hypothetical protein

13538397	5.56	5.26	1.23	0.590352	0.72711	KEA5	K(+) efflux antiporter 5
13513503	5.56	5.33	1.18	0.281628	0.554811	AT5G51280	DEAD-box ATP-dependent RNA helicase 35
13420502	5.56	5.35	1.16	0.378788	0.594674	AT2G42670	hypothetical protein
13512639	5.56	5.35	1.16	0.061468	0.398106	AT5G49470	PAS domain-containing protein tyrosine kinase
13419314	5.56	5.37	1.14	0.811702	0.879521	AT2G40205; AT1G56045; AT3G56020; AT3G11120; AT3G08520	60S ribosomal protein L41
13369871	5.56	5.42	1.1	0.500288	0.665212	CDPK1	calcium-dependent protein kinase 1
13423520	5.56	5.42	1.1	0.518835	0.677968	AT3G02890	RING/FYVE/PHD zinc finger-related protein
13454187	5.56	5.45	1.08	0.847291	0.903662	ARP2	actin related protein 2
13491026	5.56	5.45	1.08	0.551325	0.700478	AT4G29260; AT4G29250	HAD superfamily, subfamily IIIB acid phosphatase; HXXXD-type acyl-transferase-like protein
13518737	5.56	5.46	1.08	0.791386	0.86505	emb2746	RNA-metabolising metallo-beta-lactamase family protein
13500025	5.56	5.47	1.06	0.663669	0.77668	AT5G10695	hypothetical protein
13385581	5.56	5.54	1.02	0.947949	0.968967	AT1G70000	myb-like transcription factor-like protein
13423948	5.56	5.53	1.02	0.953425	0.972339	AT3G03880	hypothetical protein
13499317	5.56	5.61	-1.04	0.674618	0.784469	AT5G08535	D111/G-patch domain-containing protein
13385494	5.56	5.7	-1.1	0.824718	0.888228	AMY3	alpha-amylase-like 3
13403097	5.56	5.76	-1.15	0.583966	0.723023	AT2G40110	yippee-like protein
13498207	5.56	5.77	-1.16	0.110728	0.441993	GPAT7	glycerol-3-phosphate acyltransferase 7
13508823	5.56	5.93	-1.29	0.048631	0.377894	AT5G40640; AT5G40645	hypothetical protein; RPM1-interacting protein 4 (RIN4)
13519909	5.56	6.05	-1.4	0.113541	0.444631	MYB68	myb domain protein 68
13494082	5.56	6.3	-1.66	0.131193	0.461126	AT4G36010	pathogenesis-related thaumatin family protein
13349991	5.56	6.33	-1.71	0.056699	0.390057	LACS2	long-chain acyl-CoA synthetase 2
13461438	5.56	6.44	-1.84	0.062838	0.398621	BZIP61	basic leucine zipper transcription factor-like protein
13336032	5.56	6.89	-2.52	0.130099	0.459993	AT1G05240; AT1G05250	peroxidase 1/2
13467786	5.56	7.25	-3.22	0.016671	0.316275	PME1	pectin methylesterase inhibitor 1
13456883	5.55	4.05	2.84	0.10356	0.436308	TOPP5	serine/threonine-protein phosphatase PP1 isozyme 5
13407526	5.55	4.21	2.54	0.020484	0.324125	AT2G03470	ELM2 domain-containing protein
13516285	5.55	4.4	2.23	0.126176	0.455497	AT5G57700	alpha-rhamnosidase-like protein
13539269	5.55	4.44	2.15	0.108837	0.440715	AT5G54170	Lipid-binding START domain-containing protein
13477100	5.55	4.47	2.11	0.063623	0.399503	AT4G33560	Wound-responsive family protein
13446144	5.55	4.48	2.1	0.109824	0.441069	RABA5b	RAB GTPase-like protein A5B
13539798	5.55	4.6	1.93	0.071252	0.408234	AT5G55560	putative serine/threonine-protein kinase WNK11
13381462	5.55	4.64	1.88	0.032004	0.352653	AT1G60680	NAD(P)-linked oxidoreductase-like protein
13462406	5.55	4.71	1.8	0.162531	0.484622	CKB3	casein kinase 2 subunit beta-3

13528109	5.55	4.71	1.79	0.05034	0.380289	MEF18	mitochondrial editing factor 18
13413629	5.55	4.76	1.72	0.19178	0.504877	FRS3	FAR1-related protein
13428993	5.55	4.89	1.58	0.249148	0.536784	AT3G16220	putative eukaryotic LigT protein
13480823	5.55	4.91	1.56	0.203127	0.510604	GATL6	putative galacturonosyltransferase-like 6
13386573	5.55	4.91	1.55	0.115401	0.446348	AT1G72840	TIR-NBS-LRR class disease resistance protein
13479957	5.55	4.92	1.55	0.068523	0.406403	AT4G00238	DNA-binding storekeeper protein-related transcriptional regulator
13523435	5.55	4.95	1.52	0.077849	0.413069	EMB1873	agmatine deiminase
13488804	5.55	4.95	1.51	0.186467	0.500853	AT4G24200	Transcription elongation factor (TFIIS) family protein
13423182	5.55	4.97	1.5	0.14191	0.468094	RPK2	LRR receptor-like serine/threonine-protein kinase RPK2
13534139	5.55	4.97	1.5	0.262236	0.543595	GSTT1	glutathione S-transferase THETA 1
13373380	5.55	4.98	1.48	0.00949	0.296261	AT1G28580	GDSL esterase/lipase
13487392	5.55	5.05	1.41	0.143545	0.469229	AT4G20930	3-hydroxyisobutyrate dehydrogenase
13382718	5.55	5.06	1.4	0.21805	0.520652	AT1G63480	AT hook motif DNA-binding family protein
13508595	5.55	5.07	1.4	0.233432	0.529162	AT5G40140	armadillo/beta-catenin repeat and RING/U-box domain-containing protein
13534260	5.55	5.06	1.4	0.085161	0.419684	AT5G41580	RING/U-box domain-containing protein
13376682	5.55	5.08	1.39	0.500979	0.665589	OSB1	protein OSB1
13437345	5.55	5.08	1.39	0.260003	0.542638	RID3	root initiation defective 3 protein
13499273	5.55	5.1	1.37	0.448289	0.634904	PEX1	peroxisome 1
13355906	5.55	5.15	1.33	0.235284	0.529705	CAK4	cyclin-dependent kinase D-2
13527162	5.55	5.15	1.32	0.418283	0.616376	AT5G16870	Peptidyl-tRNA hydrolase II (PTH2) family protein
13366873	5.55	5.17	1.3	0.313073	0.567941	AT1G11940	Core-2/I-branching beta-1,6-N-acetylglucosaminyltransferase family protein
13368324	5.55	5.2	1.27	0.638058	0.759072	CCMH	cytochrome c biogenesis protein
13470855	5.55	5.21	1.27	0.11764	0.447676	INDL	ATP-binding protein involved in chromosome partitioning
13435333	5.55	5.23	1.25	0.064707	0.401596	AT3G44150	hypothetical protein
13397176	5.55	5.27	1.21	0.424699	0.62001	OVA4	tryptophanyl-tRNA synthetase
13458795	5.55	5.33	1.17	0.38983	0.599963	BAG4	BCL-2-associated athanogene 4
13356961	5.55	5.34	1.16	0.105811	0.437492	MINE1	bacterial MinE 1-like protein
13340531	5.55	5.36	1.14	0.167145	0.486855	AT1G15810	S15/NS1, RNA-binding protein
13515366	5.55	5.37	1.13	0.52326	0.681319	SVL1	putative glycerophosphoryl diester phosphodiesterase 1
13484148	5.55	5.44	1.08	0.734208	0.82602	AT4G13720	nucleoside-triphosphate pyrophosphatase
13489941	5.55	5.44	1.08	0.758668	0.841973	CBL3	calcineurin B-like 3
13420071	5.55	5.44	1.07	0.599903	0.732216	AT2G41830	hypothetical protein
13375194	5.55	5.47	1.06	0.552389	0.701184	AT1G33440	putative peptide/nitrate transporter
13505815	5.55	5.52	1.02	0.935263	0.960937	RLP52	receptor like protein 52
13443249	5.55	5.57	-1.01	0.873605	0.9219	VMA10	V-type proton ATPase subunit G1
13426531	5.55	5.75	-1.15	0.238456	0.532151	AT3G10530	transducin/WD40 domain-containing protein
13455798	5.55	5.8	-1.19	0.56106	0.706588	AAO2	aldehyde oxidase 2
13523114	5.55	5.89	-1.27	0.232833	0.528669	PMSR2	peptide methionine sulfoxide reductase A2
13520138	5.55	6.33	-1.72	0.062301	0.398248	GMD1; AT5G66290	GDP-mannose 4,6 dehydratase 1; hypothetical protein

13475947	5.55	6.6	-2.06	0.020929	0.324125	AT4G31250	putative LRR receptor-like serine/threonine-protein kinase
13505679	5.55	8.85	-9.83	0.004114	0.262292	AT5G25460	hypothetical protein
13469187	5.54	3.05	5.58	0.04199	0.368598	AT4G15670	monothiol glutaredoxin-S7
13408853	5.54	3.74	3.47	0.026124	0.337419	AT2G14510	Leucine-rich repeat protein kinase family protein
13497186	5.54	3.81	3.3	0.116802	0.446833	AT5G03890	hypothetical protein
13345219	5.54	3.82	3.28	0.055905	0.388357	AT1G27620	HXXXD-type acyl-transferase-like protein
13356558	5.54	4.2	2.54	0.00069	0.211115	AT1G68238	hypothetical protein
13399845	5.54	4.23	2.49	0.215551	0.519459	AT2G32430	putative beta-1,3-galactosyltransferase 3
13482251	5.54	4.44	2.16	0.112828	0.443921	MAPKKK9	mitogen-activated protein kinase kinase kinase 9
13514722	5.54	4.47	2.11	0.225536	0.524988	PSKR2	phytosulfokine receptor 2
13532125	5.54	4.6	1.93	0.051939	0.382324	AT5G35100	peptidyl-prolyl cis-trans isomerase
13524742	5.54	4.64	1.86	0.001784	0.253459	OCP3	overexpressor of cationic peroxidase 3
13520723	5.54	4.69	1.8	0.250667	0.537899	AT5G01230	S-adenosyl-L-methionine-dependent methyltransferase-like protein
13425587	5.54	4.89	1.57	0.22277	0.524025	AT3G07720	galactose oxidase/kelch repeat-containing protein
13337342	5.54	4.91	1.55	0.107793	0.439775	AT1G08410	P-loop containing nucleoside triphosphate hydrolase-like protein
13498845	5.54	4.92	1.53	0.295924	0.561293	AT5G07580	ERF/AP2 transcription factor
13496242	5.54	4.97	1.48	0.241628	0.53362	TBL35; BRCA2B	protein trichome birefringence-like 35; breast cancer 2 susceptibility protein
13358950	5.54	5.01	1.45	0.33548	0.576654	SPPA	signal peptide peptidase
13425198	5.54	5.02	1.43	0.093806	0.430403	AT3G06760	protein dehydration-INDUCED 19-4
13452441	5.54	5.07	1.39	0.316196	0.568464	ATXR2	histone-lysine N-methyltransferase ATXR2
13387571	5.54	5.09	1.37	0.222963	0.524049	CYP721A1	cytochrome P450, family 721, subfamily A, polypeptide 1
13400570	5.54	5.16	1.3	0.139598	0.466238	AT2G34260	transducin/WD-40 repeat-containing protein
13350074	5.54	5.17	1.29	0.370698	0.591914	AT1G49590	C2H2 and C2HC zinc finger protein
13415176	5.54	5.17	1.29	0.123292	0.453558	COQ3	Hexaprenyldihydroxybenzoate methyltransferase
13399919	5.54	5.21	1.26	0.174895	0.491983	AT2G32560	F-box protein
13367079	5.54	5.22	1.25	0.134843	0.463357	CCS	copper chaperone for SOD1
13516146	5.54	5.27	1.21	0.262973	0.54393	AT5G57280	S-adenosyl-L-methionine-dependent methyltransferase-like protein
13430431	5.54	5.27	1.2	0.428597	0.622395	PARC6	ARC6H-like protein
13474575	5.54	5.28	1.2	0.171151	0.489202	NDB1; AT4G28230	NADH dehydrogenase; hypothetical protein
13386873	5.54	5.31	1.17	0.622268	0.748258	AT1G73390	Endosomal targeting BRO1-like domain-containing protein
13479485	5.54	5.32	1.16	0.531017	0.686896	AT4G39270	leucine-rich repeat protein kinase-like protein
13463199	5.54	5.37	1.13	0.746646	0.833746	AT3G62260	putative protein phosphatase 2C 49
13372348	5.54	5.43	1.08	0.706102	0.806687	AT1G25500	plasma-membrane choline transporter-like protein
13376563	5.54	5.46	1.06	0.137427	0.46568	NRAMP2	metal transporter Nramp2
13424876	5.54	5.54	1.01	0.97402	0.984938	AT3G05900	neurofilament protein-related protein
13355169	5.54	5.56	-1.01	0.965364	0.979656	AT1G64600	copper ion binding / methyltransferase
13374780	5.54	5.56	-1.01	0.412828	0.613522	AT1G32190	alpha/beta-hydrolase-like protein

13442900	5.54	5.59	-1.04	0.722297	0.817715	FKD1	protein forked1
13454293	5.54	5.6	-1.04	0.861204	0.913658	AT3G27150	F-box/kelch-repeat protein
13544756	5.54	5.63	-1.06	0.766881	0.847698	AT5G67540; PUB49	Arabinanase/levansucrase/invertase; Peptidyl-prolyl cis-trans isomerase-like 2
13507476	5.54	5.71	-1.13	0.224374	0.524988	CYP716A1	cytochrome P450, family 716, subfamily A, polypeptide 1
13459505	5.54	5.72	-1.14	0.178746	0.494636	AT3G53560	tetratricopeptide repeat domain-containing protein
13370204	5.54	5.74	-1.15	0.34241	0.579015	AT1G19860	zinc finger CCCH domain-containing protein 6
13464935	5.54	5.81	-1.21	0.616233	0.744226	EID1	phytochrome A-associated F-box protein
13514695	5.54	5.87	-1.26	0.333551	0.576298	AT5G53820	Late embryogenesis abundant protein (LEA) family protein
13350187	5.54	5.96	-1.34	0.431074	0.623682	AT1G49960	nucleobase-ascorbate transporter 4
13471651	5.54	6.2	-1.59	0.14469	0.46991	FMN/FHY	riboflavin kinase
13528082	5.54	6.21	-1.59	0.536876	0.690339	AT5G18970	AWPM-19-like protein
13386911	5.54	6.58	-2.06	0.089429	0.426382	NUDT21	nudix hydrolase 21
13383007	5.54	6.92	-2.61	0.069334	0.406403	AT1G64110	P-loop containing nucleoside triphosphate hydrolase-like protein
13488133	5.53	3.87	3.15	0.007212	0.288531	MYB85	myb domain protein 85
13484549	5.53	4.09	2.71	0.000528	0.207323	XBAT34	putative E3 ubiquitin-protein ligase XBAT34
13541595	5.53	4.17	2.56	0.037796	0.362096	PRR3	two-component response regulator-like APRR3
13534415	5.53	4.26	2.41	0.060681	0.396635	AT5G42060	DEK, chromatin associated protein
13494028	5.53	4.3	2.36	0.199856	0.509224	AT4G35905	hypothetical protein
13480560	5.53	4.41	2.18	0.134755	0.463251	NTM1	NAC domain-containing protein 68
13402533	5.53	4.5	2.05	0.103007	0.435908	AT2G38823	hypothetical protein
13368572	5.53	4.55	1.97	0.061275	0.398106	AT1G15790	hypothetical protein
13521417	5.53	4.56	1.95	0.091631	0.428831	IMPA-9	importin alpha isoform 9
13376085	5.53	4.58	1.93	0.050778	0.381425	AT1G43245	SET domain-containing protein
13358880	5.53	4.64	1.85	0.1012	0.434782	AT1G73850	hypothetical protein
13454205	5.53	4.85	1.6	0.050981	0.38186	TCP20	transcription factor TCP20
13491244	5.53	4.86	1.59	0.176522	0.492897	EMB2757; AT4G29850	transducin/WD40 domain-containing protein; hypothetical protein
13543614	5.53	4.92	1.52	0.276183	0.551185	AT5G65000	Nucleotide-sugar transporter family protein
13417248	5.53	4.94	1.51	0.098008	0.433275	SRO1	RCD-one 1-like protein
13439314	5.53	4.97	1.48	0.319435	0.570224	WRI1	ethylene-responsive transcription factor WRI1
13370929	5.53	4.97	1.47	0.136827	0.465316	AT1G21590	adenine nucleotide alpha hydrolases-domain containing protein kinase
13534866	5.53	5.01	1.44	0.291004	0.558952	AT5G43260	chaperone protein dnaJ-like protein
13512891	5.53	5.02	1.43	0.364288	0.589278	AT5G49945; AT5G49950	hypothetical protein; embryogenesis-associated protein-like protein
13523465	5.53	5.02	1.42	0.11138	0.442936	AT5G08230; AT5G08220	Tudor/PWWP/MBT domain-containing protein; hypothetical protein
13490658	5.53	5.08	1.36	0.022618	0.328244	AT4G28030	GCN5-related N-acetyltransferase (GNAT) family protein
13361791	5.53	5.11	1.34	0.115763	0.446437	ARV1	Arv1-like protein
13418872	5.53	5.11	1.34	0.598164	0.731384	PLP6	PATATIN-like protein 6
13529320	5.53	5.18	1.27	0.015598	0.315212	AT5G22320	leucine-rich repeat-containing protein

13398567	5.53	5.2	1.25	0.369401	0.591518	TRI	tropine dehydrogenase
13470162	5.53	5.23	1.23	0.523084	0.681231	AT4G17960	hypothetical protein
13494953	5.53	5.25	1.21	0.133439	0.462988	AT4G37920	hypothetical protein
13440539	5.53	5.28	1.19	0.257001	0.541049	AT3G57380	Glycosyltransferase family 61 protein
13508744	5.53	5.32	1.15	0.105544	0.437428	AT5G40490	heterogeneous nuclear ribonucleoprotein A1/A3
13510903	5.53	5.33	1.15	0.440501	0.629889	AT5G45470	hypothetical protein
13511300	5.53	5.34	1.14	0.563054	0.707979	AT5G46530	AWPM-19-like protein
13531618	5.53	5.37	1.12	0.70282	0.804296	AT5G27920	F-box protein
13349924	5.53	5.38	1.11	0.306444	0.565397	USPL1	BURP domain-containing protein
13373123	5.53	5.39	1.1	0.629294	0.753072	ECT9	hypothetical protein
13506095	5.53	5.39	1.1	0.281392	0.554654	AT5G26600	transaminase
13387054	5.53	5.41	1.09	0.792526	0.86592	AT1G73930	hypothetical protein
13509400	5.53	5.41	1.09	0.675337	0.784777	AT5G41960	hypothetical protein
13472035	5.53	5.44	1.07	0.356492	0.584728	MRB1	hypothetical protein
13544225	5.53	5.62	-1.06	0.302058	0.563867	AT5G66310	ATP binding microtubule motor family protein
13516654	5.53	5.64	-1.08	0.620345	0.747242	AT5G58340	myb-like HTH transcriptional regulator family protein
13448541	5.53	5.71	-1.13	0.169551	0.48788	AT3G12710	DNA-3-methyladenine glycosylase I
13478606	5.53	5.76	-1.18	0.012358	0.301412	ACD2	red chlorophyll catabolite reductase
13389046	5.53	5.83	-1.23	0.292725	0.559559	MSL6	mechanosensitive channel of small conductance-like 6
13540561	5.53	5.92	-1.31	0.119935	0.451007	TCH4	xyloglucan endotransglucosylase/hydrolase protein 22
13476865	5.53	6.17	-1.56	0.312616	0.567721	GATA9	GATA transcription factor 9
13429413	5.53	6.23	-1.63	0.035497	0.356207	AT3G17120	hypothetical protein
13444220	5.53	6.46	-1.9	0.478457	0.651345	AT3G03700; AT3G04440	Plasma-membrane choline transporter family protein
13418699	5.53	6.56	-2.04	0.097441	0.433188	ANNAT4	annexin D4
13382624	5.53	6.62	-2.13	0.12347	0.453558	CLE14	CLAVATA3/ESR-related protein 14
13469440	5.53	6.77	-2.37	0.048352	0.37767	AT4G16140	proline-rich family protein
13392255	5.53	7.02	-2.8	0.002219	0.253459	AT2G07785	NADH dehydrogenase I subunit 1
13481630	5.52	3.42	4.28	0.079014	0.414078	CPK27	calcium-dependent protein kinase 27
13484950	5.52	4	2.87	0.201902	0.510189	AT4G15270	glucosyltransferase-related protein
13388358	5.52	4.03	2.81	0.029886	0.349814	AT1G77020	DNAJ heat shock N-terminal domain-containing protein
13385534	5.52	4.17	2.54	0.009246	0.296261	AT1G69900	Actin cross-linking protein
13381238	5.52	4.3	2.32	0.101412	0.435169	AT1G60160	putative potassium transporter 12
13435263	5.52	4.47	2.07	0.050394	0.380289	DCL3	protein dicer-like 3
13515897	5.52	4.53	1.98	0.044547	0.374597	AT5G56790	protein kinase family protein
13528685	5.52	4.63	1.85	0.026342	0.337944	CHR42	chromatin remodeling 42
13507870	5.52	4.69	1.77	0.124145	0.453788	SOS4	Pyridoxal kinase
13515448	5.52	4.7	1.76	0.107097	0.439338	BAM4; AT5G55710	inactive beta-amylase 4; hypothetical protein
13377996	5.52	4.74	1.71	0.103703	0.436308	AT1G50710; CPK33	hypothetical protein; calcium-dependent protein kinase 33
13342896	5.52	4.78	1.67	0.10824	0.44015	WAK4	wall-associated receptor kinase 4
13375354	5.52	4.85	1.59	0.234211	0.529498	AT1G34030; PFL; RPS18C	40S ribosomal protein S18
13528663	5.52	4.88	1.57	0.039008	0.364658	PHT4;5	putative anion transporter 6

13438309	5.52	4.86	1.57	0.241341	0.533548	AT3G52030; AT3G52040	F-box/WD-40 repeat-containing protein; hypothetical protein
13338448	5.52	4.87	1.56	0.336202	0.576994	AMSH2	AMSH-like ubiquitin thiolesterase 2
13466384	5.52	4.89	1.55	0.157444	0.479979	AT4G08540	DNA-directed RNA polymerase II protein
13398502	5.52	4.91	1.53	0.038963	0.364658	PUM3	pumilio 3
13449755	5.52	4.91	1.53	0.007061	0.287755	SDE5; AT3G15380	protein silencing defective 5; Plasma-membrane choline transporter family protein
13496824	5.52	4.93	1.51	0.068641	0.406403	AT5G03100	F-box protein
13529253	5.52	4.92	1.51	0.229111	0.52681	AT5G22120	hypothetical protein
13483394	5.52	4.96	1.47	0.261787	0.543595	CCS52A2	protein FIZZY-related 1
13466252	5.52	4.97	1.46	0.27471	0.550583	AT4G08240	hypothetical protein
13484431	5.52	5.01	1.43	0.130633	0.460628	AT4G14240	CBS and DUF21 domain-containing protein
13497631	5.52	5.01	1.43	0.287766	0.557356	AT5G04885	Glycosyl hydrolase family protein
13389995	5.52	5.04	1.4	0.057123	0.391414	AT1G80280	alpha/beta-hydrolase-like protein
13371658	5.52	5.05	1.39	0.092854	0.429737	CAF2	CRS2-associated factor 2
13538182	5.52	5.06	1.38	0.079083	0.414078	AT5G51140; AT5G51130	RNA pseudourine synthase 7; S-adenosyl-L-methionine-dependent methyltransferase-like protein
13360778	5.52	5.07	1.37	0.210834	0.5161	AT1G78690	monolysocardiolipin acyltransferase
13361995	5.52	5.06	1.37	0.227445	0.525653	AT1G01490	heavy-metal-associated domain-containing protein
13435184	5.52	5.09	1.35	0.165429	0.485944	BPM6	BTB-POZ and math domain-containing protein
13396980	5.52	5.13	1.31	0.116002	0.446616	AT2G25420	transducin family protein / WD-40 repeat family protein
13498158	5.52	5.18	1.27	0.014559	0.313095	NEDD1	transducin/WD40 domain-containing protein
13474245	5.52	5.19	1.26	0.148303	0.471967	AT4G27460	cystathionine beta-synthase domain-containing protein
13443225	5.52	5.29	1.17	0.442432	0.630913	AT3G01360	hypothetical protein
13470649	5.52	5.33	1.15	0.533287	0.687982	CMT2	chromomethylase 2
13403703	5.52	5.33	1.14	0.456725	0.639115	AT2G41350	hypothetical protein
13375107	5.52	5.35	1.12	0.555824	0.70325	AT1G33270	patatin-like phospholipase domain-containing protein
13508277	5.52	5.37	1.11	0.755461	0.839979	TAP2	ABC transporter B family member 27
13406602	5.52	5.38	1.1	0.49073	0.658793	PAC	pale cress protein
13402340	5.52	5.4	1.09	0.772709	0.85181	AGT3	alanine:glyoxylate aminotransferase 3
13347052	5.52	5.4	1.08	0.697026	0.800481	AT1G32360	zinc finger CCCH domain-containing protein 12
13493533	5.52	5.41	1.08	0.393023	0.601896	AT4G34630	hypothetical protein
13337173	5.52	5.44	1.06	0.386752	0.598595	AT1G07920; AT1G07940; AT1G07930; AT5G60390	Elongation factor 1-alpha
13355018	5.52	5.51	1.01	0.985642	0.99171	AT1G64330	myosin heavy chain-related protein
13379180	5.52	5.53	-1.01	0.853836	0.908235	AT1G53710	hydrolase/ protein serine/threonine phosphatase
13503799	5.52	5.57	-1.03	0.927263	0.956048	AT5G20000	AAA-type ATPase family protein
13404988	5.52	5.69	-1.12	0.512441	0.673832	AT2G44525	hypothetical protein
13510073	5.52	5.71	-1.14	0.62234	0.748258	AT5G43540	C2H2 and C2HC zinc finger-containing protein

13388984	5.52	5.74	-1.16	0.451803	0.636344	AT1G78520	carbohydrate-binding X8 domain-containing protein
13420688	5.52	5.84	-1.24	0.237858	0.531954	AT2G43240	nucleotide-sugar transporter
13343726	5.52	5.85	-1.25	0.452817	0.636795	AT1G23170	hypothetical protein
13475311	5.52	6.03	-1.42	0.151555	0.473899	CKX4	cytokinin dehydrogenase 4
13542469	5.52	6.1	-1.5	0.062041	0.398248	GT18	glycosyltransferase 18
13499909	5.52	6.55	-2.05	0.082563	0.417856	MES5	methyl esterase 5
13469883	5.52	6.63	-2.15	0.049022	0.377942	TIP2;2	putative aquaporin TIP2-2
13383047	5.52	7.82	-4.94	0.020909	0.324125	CHX16	cation/H(+) antiporter 16
13544909	5.52	8.09	-5.91	0.212654	0.517763		
13545081	5.52	8.09	-5.91	0.212654	0.517763		
13498512	5.52	9.42	-14.93	0.004272	0.262292	PGIP1	Polygalacturonase inhibitor 1
13468642	5.51	4.01	2.83	0.034022	0.354099	AT4G14780	protein kinase family protein
13506218	5.51	4.16	2.55	0.071925	0.408234	CBP60G	Cam-binding protein 60-like G
13394251	5.51	4.27	2.36	0.174258	0.49135	TPS11	putative alpha,alpha-trehalose-phosphate synthase [UDP-forming] 11
13423566	5.51	4.59	1.89	0.052674	0.382994	AT3G03000	putative calcium-binding protein CML18
13446083	5.51	4.6	1.87	0.291214	0.559055	AT3G07273	hypothetical protein
13514081	5.51	4.63	1.84	0.015266	0.313468	HSP90.1	heat shock protein 81-1
13340690	5.51	4.65	1.82	0.185423	0.499807	WAKL6	wall associated kinase-like 6
13447453	5.51	4.66	1.81	0.007774	0.290374	AT3G10630; NUDX26	glycosyl transferase family 1 protein; nudix hydrolase 26
13476200	5.51	4.66	1.81	0.142023	0.468108	WRKY18	WRKY transcription factor 18
13534625	5.51	4.69	1.77	0.024618	0.333244	AT5G42690	hypothetical protein
13338378	5.51	4.8	1.64	0.246655	0.535608	emb2004	leucine-rich repeats-ribonuclease inhibitor domain-containing protein
13535743	5.51	4.8	1.64	0.159605	0.481832	AT5G45290	RING/U-box domain-containing protein
13523296	5.51	4.82	1.62	0.186115	0.500418	AT5G07910	leucine-rich repeat-containing protein
13493123	5.51	4.87	1.56	0.001212	0.242634	AT4G33670	D-threo-aldose 1-dehydrogenase
13430215	5.51	4.89	1.55	0.012228	0.301412	AT3G18680; MKS1	uridylate kinase; protein MKS1
13409230	5.51	4.87	1.55	0.23099	0.527788	THY-1	thymidylate synthase
13344005	5.51	4.89	1.53	0.008447	0.293015	AT1G24030; AT1G24040	protein kinase-like protein; acyl-CoA N-acyltransferases-like protein
13538911	5.51	4.9	1.53	0.51025	0.67225	AT5G53050	hydrolase, alpha/beta fold family protein
13414577	5.51	4.9	1.52	0.279172	0.553698	TUB7	tubulin beta
13476861	5.51	4.95	1.48	0.19028	0.503959	AT4G32870	SRPBCC ligand-binding domain-containing protein
13531096	5.51	4.96	1.46	0.396033	0.603844	HDA2	histone deacetylase 2
13395385	5.51	4.98	1.44	0.45266	0.636679	AT2G21320	B-box zinc finger-like protein
13473821	5.51	5	1.43	0.270988	0.548723	CSN6B	COP9 signalosome complex subunit 6b
13512996	5.51	4.99	1.43	0.167746	0.486969	FRO8	ferric reduction oxidase 8
13503132	5.51	5.02	1.41	0.045909	0.376634	AT5G18780; AT5G18790; AT3G06320	F-box domain-containing protein; Ribosomal protein L33 family protein
13483850	5.51	5.02	1.4	0.27684	0.551433	AT4G13170	60S ribosomal protein L13a-3
13399610	5.51	5.07	1.35	0.302783	0.563999	AT2G32040	major facilitator protein
13395045	5.51	5.09	1.34	0.017739	0.319218	AT2G20495; AT2G20500	hypothetical protein
13349078	5.51	5.09	1.34	0.166117	0.486235		
13431153	5.51	5.14	1.29	0.45225	0.636609	PDIL5-3	protein PDI-like 5-3

13492514	5.51	5.14	1.29	0.13488	0.463431	TIFY8; AT4G32560	protein TIFY 8; paramyosin-related protein
13492528	5.51	5.17	1.27	0.452101	0.636608	AT4G32605	Mitochondrial glycoprotein family protein
13423654	5.51	5.18	1.25	0.20615	0.512828	AT3G03170	hypothetical protein
13508696	5.51	5.23	1.22	0.59327	0.728748	MKK3	mitogen-activated protein kinase kinase 3
13338573	5.51	5.52	-1.01	0.974674	0.985051	AT1G10850	Leucine-rich repeat protein kinase-like protein
13538716	5.51	5.53	-1.02	0.932156	0.958755	AT5G52550; CPuORF14	hypothetical protein; conserved peptide upstream open reading frame 14
13427261	5.51	5.68	-1.12	0.462767	0.643006	AT3G12550	XH/XS domain-containing protein
13434201	5.51	5.72	-1.16	0.19645	0.507314	AT3G28130	nodulin MtN21 /EamA-like transporter protein
13538058	5.51	5.74	-1.18	0.241601	0.53362	AT5G50860	protein kinase family protein
13476214	5.51	5.76	-1.19	0.068609	0.406403	ENODL15	early nodulin-like protein 15
13516413	5.51	5.87	-1.29	0.050106	0.380098	AT5G58000	reticulon-like protein B21
13398097	5.51	5.99	-1.4	0.05632	0.389049	CSD2	Superoxide dismutase [Cu-Zn]
13334194	5.51	6.09	-1.49	0.084048	0.417946	IQD18	protein IQ-domain 18
13452897	5.51	6.09	-1.49	0.327042	0.574063	AT3G23570	dienelactone hydrolase family protein
13478541	5.51	6.78	-2.42	0.073775	0.410168	AP2	Floral homeotic protein APETALA 2
13507391	5.5	4.2	2.46	0.087823	0.423768	AT5G35732	hypothetical protein
13468333	5.5	4.23	2.41	0.08578	0.420701	AT4G14000	Putative methyltransferase family protein
13504895	5.5	4.34	2.24	0.062916	0.398812	AT5G23460	hypothetical protein
13523119	5.5	4.39	2.16	0.05537	0.387739	PMSR3	peptide methionine sulfoxide reductase A3
13534845	5.5	4.42	2.11	0.030039	0.350098	AT5G43190	F-box/kelch-repeat protein
13365155	5.5	4.43	2.1	0.172711	0.490135	AT1G08315; AT1G08310	armadillo/beta-catenin-like repeat-containing protein; esterase/lipase/thioesterase-like protein
13520317	5.5	4.45	2.07	0.004506	0.262292	AT5G66790	wall-associated receptor kinase-like 21
13401718	5.5	4.56	1.92	0.090822	0.427902	TKI1	TSL-kinase interacting protein 1
13519954	5.5	4.71	1.73	0.14336	0.469064	AT5G65925	hypothetical protein
13513764	5.5	4.72	1.72	0.347656	0.580585	AT5G51830	fructokinase
13407786	5.5	4.75	1.68	0.032243	0.352847	AT2G04540	3-oxoacyl-[acyl-carrier-protein] synthase
13453844	5.5	4.79	1.63	0.01246	0.301412	CYP71B3	cytochrome P450 71B3
13338627	5.5	4.83	1.6	0.023333	0.330182	AT1G11060	WAPL (Wings apart-like protein regulation of heterochromatin) protein
13460323	5.5	4.83	1.59	0.075551	0.410503	AT3G55160	hypothetical protein
13522635	5.5	4.86	1.56	0.362524	0.588249	AT5G06280	hypothetical protein
13373186	5.5	4.88	1.53	0.208988	0.51438	AT1G28140	hypothetical protein
13434954	5.5	4.91	1.51	0.170009	0.48812	AT3G42630	pentatricopeptide repeat-containing protein
13453872	5.5	4.9	1.51	0.314617	0.568186	CYP71B34	cytochrome P450 71B34
13354011	5.5	4.93	1.49	0.511746	0.673352		
13445427	5.5	4.93	1.49	0.096162	0.43217	FRS7	protein FAR1-related sequence 7
13422089	5.5	4.94	1.47	0.137718	0.46568	AT2G46580	Pyridoxamine 5'-phosphate oxidase-like protein
13348771	5.5	4.96	1.46	0.288986	0.557782	AT1G44160	HSP40/DnaJ peptide-binding protein
13388312	5.5	4.95	1.46	0.434665	0.62623	AT1G76940	RNA recognition motif-containing protein
13525332	5.5	4.96	1.45	0.157082	0.479669	NF-YA1	nuclear transcription factor Y subunit A-1
13486532	5.5	4.98	1.44	0.343573	0.579057	AT4G18460	D-tyrosyl-tRNA(Tyr)deacylase
13411954	5.5	5.02	1.4	0.019915	0.322692	AT2G23390	hypothetical protein
13397740	5.5	5.03	1.38	0.110216	0.441206	AT2G27200	P-loop containing nucleoside triphosphate hydrolase-like protein

13433793	5.5	5.04	1.38	0.245319	0.535223	AT3G27110	Peptidase family M48 family protein
13412471	5.5	5.05	1.37	0.3519	0.582786	AT2G24650	sequence-specific DNA binding transcription factor
13520487	5.5	5.07	1.35	0.175996	0.49248	MYBR1; CYP81G1	transcription factor MYB44; cytochrome P450, family 81, subfamily G, polypeptide 1
13368442	5.5	5.09	1.33	0.336374	0.576994	BOR4	boron transporter 4
13520744	5.5	5.09	1.33	0.537712	0.690823	CPL2	RNA polymerase II C-terminal domain phosphatase-like 2
13481250	5.5	5.12	1.31	0.274479	0.550583	AT4G03090	sequence-specific DNA binding transcription factor
13392773	5.5	5.12	1.3	0.281075	0.554564	SERK5	somatic embryogenesis receptor kinase 5
13425594	5.5	5.13	1.29	0.034373	0.355201	AT3G07750	3'-5'-exoribonuclease family protein
13446231	5.5	5.2	1.23	0.094244	0.430944	AT3G07600; AT3G07590	heavy-metal-associated domain-containing protein; small nuclear ribonucleoprotein D1
13500408	5.5	5.25	1.2	0.101831	0.435397	AT5G11580	regulator of chromosome condensation repeat-containing protein
13336211	5.5	5.29	1.16	0.355424	0.584538	AT1G05780	vacuolar ATPase assembly integral membrane protein VMA21-like domain-containing protein
13501803	5.5	5.3	1.15	0.750348	0.836409	SPX4	SPX domain-containing protein 4
13345072	5.5	5.38	1.09	0.676399	0.785564	AT1G27300	hypothetical protein
13463296	5.5	5.43	1.04	0.711062	0.809893	TBL6	protein trichome birefringence-like 6
13367772	5.5	5.47	1.02	0.922819	0.953406	SBH2	sphingoid base hydroxylase 2
13475106	5.5	5.57	-1.05	0.58175	0.721238	SNF7.1	vacuolar protein sorting-associated protein 32-2
13428816	5.5	5.68	-1.13	0.799607	0.871005	AT3G15780	hypothetical protein
13491140	5.5	5.76	-1.19	0.221314	0.522603	AT4G29590	methyltransferase
13386777	5.5	5.84	-1.27	0.30653	0.565397	scpl3	serine carboxypeptidase-like 3
13398486	5.5	6.14	-1.56	0.138859	0.465847	AT2G29070	ubiquitin fusion degradation UFD1-like protein
13339111	5.5	6.38	-1.84	0.159818	0.482221	AT1G12080	Vacuolar calcium-binding protein-like protein
13488127	5.5	7.23	-3.33	0.037847	0.362165	AT4G22610	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13420878	5.5	7.8	-4.93	0.032093	0.352673	AT2G43590	chitinase-like protein
13375123	5.49	4.26	2.34	0.039697	0.365591	FAS4	putative RNA helicase
13371158	5.49	4.31	2.27	0.07641	0.410833	AT1G22140	hypothetical protein
13488039	5.49	4.32	2.26	0.116071	0.446792	AT4G22380	Ribosomal protein L7Ae/L30e/S12e/Gadd45 family protein
13485668	5.49	4.54	1.93	0.014739	0.313095	AT4G16800	enoyl-CoA hydratase
13486126	5.49	4.57	1.89	0.285485	0.556418	GATA26	GATA transcription factor 26
13437697	5.49	4.65	1.8	0.062678	0.398459	AT3G50430	hypothetical protein
13342210	5.49	4.66	1.78	0.151025	0.473698	AT1G19290	pentatricopeptide repeat-containing protein
13499062	5.49	4.67	1.77	0.247706	0.536315	AT5G08010	hypothetical protein
13457184	5.49	4.67	1.76	0.004684	0.264056	AT3G47670	plant invertase/pectin methylesterase inhibitor domain-containing protein
13369674	5.49	4.68	1.75	0.220083	0.521793	AT1G18335	acyl-CoA N-acyltransferases-like protein
13523363	5.49	4.69	1.73	0.040244	0.365591	AT5G08100	Isoaspartyl peptidase/L-asparaginase 1 subunit beta
13501030	5.49	4.69	1.73	0.09023	0.427018	AT5G13470	hypothetical protein

13487592	5.49	4.73	1.69	0.029532	0.348325	AT4G21520	transducin/WD40 domain-containing protein
13340118	5.49	4.8	1.61	0.208838	0.514276	AT1G14640	SWAP (Suppressor-of-White-APricot)/surp domain-containing protein
13384737	5.49	4.87	1.54	0.413055	0.613636	AT1G67880	beta-1,4-N-acetylglucosaminyltransferase like protein
13428133	5.49	4.93	1.47	0.352311	0.582997	GSL04	callose synthase
13508811	5.49	4.95	1.45	0.180956	0.496382	AT5G40570	Surfeit locus protein 2
13503174	5.49	4.97	1.43	0.41265	0.613361	AT5G18840	sugar transporter ERD6-like 16
13396840	5.49	5.01	1.39	0.444507	0.632155	AT2G25010	aminotransferase-like, plant mobile domain-containing protein
13483352	5.49	5.03	1.37	0.351609	0.582655	AT4G11845	Interleukin-1 receptor-associated kinase 4 protein
13518456	5.49	5.05	1.36	0.269678	0.547986	HA11	H(+)-ATPase 11
13394408	5.49	5.08	1.33	0.070287	0.406602	HPT1	homogentisate phytyltransferase 1
13507022	5.49	5.08	1.33	0.394753	0.60291	AT5G30495	Fcf2 pre-rRNA processing protein
13492579	5.49	5.09	1.32	0.165248	0.485944	AT4G32820	tetratricopeptide repeat domain-containing protein
13515127	5.49	5.09	1.32	0.462686	0.643006	AT5G54890	CRS2-associated factor 2
13491302	5.49	5.11	1.31	0.307744	0.565966	ORC5	origin recognition complex protein 5
13386746	5.49	5.16	1.26	0.136503	0.465256	AT1G73240	hypothetical protein
13344989	5.49	5.18	1.24	0.194394	0.505856	GSTU13	glutathione S-transferase tau 13
13480645	5.49	5.2	1.22	0.58409	0.723023	AGY1	preprotein translocase subunit secA
13500049	5.49	5.24	1.19	0.382443	0.597016	HK5	histidine kinase 5
13387014	5.49	5.25	1.18	0.423007	0.618803	AT1G73820	Ssu72-like protein
13336389	5.49	5.37	1.09	0.813236	0.880549	AT1G06010	hypothetical protein
13463074	5.49	5.42	1.05	0.6367	0.75839	AT3G62000	S-adenosyl-L-methionine-dependent methyltransferase-like protein
13356344	5.49	5.44	1.03	0.691454	0.796222	AT1G67850	hypothetical protein
13379510	5.49	5.44	1.03	0.921448	0.952541	AT1G54450	calcium-binding EF-hand-containing protein
13355973	5.49	5.46	1.02	0.706299	0.806816	AT1G66900	alpha/beta-hydrolase domain-containing protein
13528768	5.49	5.51	-1.02	0.954727	0.972972	AT5G20550	oxidoreductase, 2OG-Fe(II) oxygenase family protein
13349605	5.49	5.71	-1.16	0.41907	0.616643	RKL1	receptor-like kinase 1
13449020	5.49	5.72	-1.17	0.170676	0.488769	AT3G13560	glucan endo-1,3-beta-glucosidase 4
13447924	5.49	5.79	-1.24	0.084675	0.418724	NHL2	NDR1/HIN1-Like protein 2
13483280	5.49	5.8	-1.25	0.442903	0.631085	AT4G11680	E3 ubiquitin-protein ligase
13464739	5.49	6	-1.42	0.315281	0.568201	AT4G02090	hypothetical protein
13459793	5.49	6.05	-1.47	0.081931	0.41692	AT3G54250	diphosphomevalonate decarboxylase
13506670	5.49	6.1	-1.53	0.334135	0.576298	AT5G27760	Hypoxia-responsive family protein
13534614	5.49	6.11	-1.54	0.076154	0.410503	AT5G42655	Disease resistance-responsive (dirigent-like protein) family protein
13447628	5.49	6.18	-1.61	0.002785	0.253459	AT3G10910; CPuORF63	RING-H2 finger protein ATL72; hypothetical protein
13460635	5.49	6.52	-2.04	0.051691	0.382313	FER3	ferritin 3
13507218	5.49	9.18	-12.86	0.001589	0.250556	AT5G35190	proline-rich extensin-like family protein
13416794	5.48	4.12	2.57	0.050796	0.381425	AT2G34510	hypothetical protein
13470830	5.48	4.3	2.25	0.161554	0.483432	AT4G19510	TIR-NBS-LRR class disease resistance protein
13396667	5.48	4.41	2.1	0.173612	0.490872	AT2G24440	selenium binding protein

13470520	5.48	4.43	2.07	0.104793	0.437078	RPL16B; AT5G45775; AT3G58700	60S ribosomal protein L11-2
13403499	5.48	4.51	1.96	0.06387	0.400174	AT2G40980	protein kinase family protein
13334871	5.48	4.57	1.88	0.191399	0.504452	AT1G02420	pentatricopeptide repeat-containing protein
13505548	5.48	4.64	1.8	0.054221	0.385491	AT5G25210	hypothetical protein
13343783	5.48	4.66	1.77	0.045557	0.375909	AT1G23220	dynein light chain type 1-like protein
13393311	5.48	4.74	1.68	0.034838	0.355472	AT2G16050	Cysteine/Histidine-rich C1 domain family protein
13542701	5.48	4.73	1.68	0.179193	0.494721	ARR6	two-component response regulator ARR6
13540735	5.48	4.79	1.62	0.045762	0.376512	AT5G57960	GTP-binding protein, HflX
13454632	5.48	4.81	1.6	0.009316	0.296261	AT3G27906	hypothetical protein
13464571	5.48	4.81	1.6	0.173782	0.490884	AT4G01883	Polyketide cyclase / dehydrase and lipid transport protein
13466049	5.48	4.84	1.56	0.201586	0.510189	MFDX1	mitochondrial ferredoxin 1
13395186	5.48	4.86	1.54	0.215493	0.519459	GAUT10	alpha-1,4-galacturonosyltransferase
13494548	5.48	4.88	1.52	0.267359	0.546492	LEJ2	cystathionine beta-synthase domain-containing protein
13499760	5.48	4.89	1.51	0.127354	0.457076	AT5G09960	hypothetical protein
13340699	5.48	4.92	1.47	0.252515	0.538793	WAKL2	wall-associated receptor kinase-like 2
13359094	5.48	4.92	1.47	0.475358	0.649523	AT1G74320	protein kinase domain-containing protein
13460103	5.48	4.92	1.47	0.096324	0.432559	AT3G54790	U-box domain-containing protein 3
13461845	5.48	4.92	1.47	0.400773	0.606291	IPMI1	isopropylmalate isomerase 1
13514818	5.48	4.99	1.4	0.037867	0.362165	AT5G54145	hypothetical protein
13387231	5.48	5.04	1.36	0.253779	0.539549	AT1G74330	protein kinase domain-containing protein
13502603	5.48	5.04	1.35	0.307269	0.56579	AT5G17270	tetratricopeptide repeat-containing protein
13476755	5.48	5.05	1.34	0.425923	0.620781	PC-MYB1	myb-related protein 3R-1
13515198	5.48	5.07	1.33	0.330975	0.576012	AT5G55060	hypothetical protein
13463414	5.48	5.08	1.32	0.174092	0.491259	AT3G62790	NADH dehydrogenase (ubiquinone) Fe-S protein 5
13530199	5.48	5.11	1.3	0.021829	0.325596	AT5G24170	Got1/Sft2-like vescicle transport protein family
13478246	5.48	5.1	1.3	0.179768	0.495449	APX5	L-ascorbate peroxidase
13361495	5.48	5.14	1.26	0.149056	0.471967	AT1G80310	sulfate transmembrane transporter
13493872	5.48	5.16	1.25	0.34043	0.57813	WOX13	WUSCHEL-related homeobox 13
13388032	5.48	5.18	1.23	0.422474	0.618691	AT1G76280; AT5G60390; AT1G07920; AT1G07930; AT1G07940	pentatricopeptide repeat-containing protein; Elongation factor 1-alpha
13516378	5.48	5.19	1.22	0.328285	0.574416	APO2	APO protein 2
13517236	5.48	5.2	1.22	0.381917	0.59674	ADF4	actin depolymerizing factor 4
13435958	5.48	5.24	1.18	0.422027	0.618256	RPS15AD	40S ribosomal protein S15a-4
13410876	5.48	5.25	1.17	0.648989	0.766531	AT2G20440	RabGAP/TBC domain-containing protein
13515468	5.48	5.28	1.14	0.113323	0.444567	SRT1	sirtuin 1
13399013	5.48	5.3	1.13	0.282869	0.55561	AT2G30620	histone H1.2
13342100	5.48	5.31	1.12	0.425202	0.620343	AT1G19100	Histidine kinase-, DNA gyrase B-, and HSP90-like ATPase family protein
13398670	5.48	5.33	1.11	0.849538	0.905281	AT2G29580	zinc finger CCCH domain-containing protein 25

13335217	5.48	5.35	1.09	0.711261	0.809943	UVH6	DNA repair helicase UVH6
13467717	5.48	5.38	1.07	0.734955	0.826437	AT4G12070	hypothetical protein
13349337	5.48	5.45	1.02	0.81567	0.882149	AT1G47710	serpin-ZX
13356169	5.48	5.47	1.01	0.981284	0.989052	AT1G67530	U-box domain-containing protein 7
13420094	5.48	5.5	-1.01	0.941056	0.964647	AT2G41835	zinc finger AN1 and C2H2 domain-containing stress-associated protein 11
13433854	5.48	5.5	-1.01	0.846894	0.903373	AT3G27320	hydrolase
13350025	5.48	5.62	-1.1	0.68533	0.791754	emb1273	protein embryo defective 1273
13353104	5.48	5.65	-1.12	0.577393	0.717663	AT1G57700	protein kinase-like protein
13357701	5.48	5.64	-1.12	0.435315	0.626579	RSW10	ribose 5-phosphate isomerase A
13340575	5.48	5.74	-1.2	0.710121	0.809391	AT1G15900	hypothetical protein
13497127	5.48	5.78	-1.22	0.558692	0.705123	AT5G03670	hypothetical protein
13543718	5.48	5.77	-1.23	0.515788	0.67584	GCL1	protein GCR2-like 1
13358111	5.48	5.91	-1.34	0.033481	0.354018	AT1G71940	SNARE associated Golgi protein family
13372299	5.48	5.91	-1.34	0.373882	0.592616	AT1G25370	hypothetical protein
13372546	5.48	6.05	-1.49	0.421631	0.61811	AT1G26220	Acyl-CoA N-acyltransferase domain-containing protein
13439366	5.48	6.12	-1.55	0.094409	0.430944	HTA11	histone H2A
13376327	5.48	6.19	-1.63	0.010303	0.296261	AT1G44608	hypothetical protein
13477815	5.48	6.21	-1.66	0.420428	0.617454	PIP3	aquaporin PIP2-7
13470740	5.48	6.49	-2	0.009125	0.296261	CYP707A1	abscisic acid 8'-hydroxylase 1
13402540	5.48	6.87	-2.62	0.272921	0.549747	AT2G38830	Ubiquitin-conjugating enzyme/RWD-like protein
13363356	5.48	6.99	-2.84	0.055925	0.388357	AT1G04770	male sterility MS5 family protein
13458054	5.48	7.92	-5.41	0.018883	0.321499	AT3G49960	peroxidase 35
13386761	5.47	3.68	3.46	0.142014	0.468108	scpl6	serine carboxypeptidase-like 6
13382234	5.47	3.95	2.89	0.051448	0.382129	SLAH4	SLAC1 homologue 4
13517941	5.47	4.05	2.68	0.040864	0.36627	AT5G61560	U-box domain-containing protein 51
13457031	5.47	4.34	2.18	0.034503	0.355201	AT3G47110	leucine-rich repeat protein kinase-like protein
13449602	5.47	4.37	2.15	0.121571	0.452563	AT3G14960	putative beta-1,3-galactosyltransferase 13
13353454	5.47	4.43	2.05	0.192811	0.505606	MPK2	mitogen-activated protein kinase 2
13504365	5.47	4.54	1.9	0.256753	0.540953	AT5G22100	RNA 3'-terminal phosphate cyclase-like protein
13379747	5.47	4.6	1.83	0.111924	0.443152	AT1G55270; AT1G55265	F-box/kelch-repeat protein; hypothetical protein
13341436	5.47	4.63	1.79	0.0017	0.251019	TIM23-1	translocase of inner mitochondrial membrane 23
13343563	5.47	4.64	1.78	0.233259	0.529103	AT1G22860	Vacuolar sorting protein 39
13430991	5.47	4.64	1.78	0.15377	0.476554	AT3G20280	PHD finger protein
13414951	5.47	4.69	1.72	0.177523	0.493515	AT2G30480	hypothetical protein
13391960	5.47	4.71	1.69	0.177864	0.493821	AT2G05830	NagB/RpiA/CoA transferase-like protein
13386610	5.47	4.72	1.68	0.052112	0.382443	BGAL17	beta-galactosidase 17
13452770	5.47	4.79	1.6	0.034686	0.355201	AT3G23080; CFM3A	SRPBCC ligand-binding domain-containing protein; CRM family member 3A
13541671	5.47	4.79	1.6	0.000563	0.207323	AT5G60400	hypothetical protein
13355900	5.47	4.84	1.54	0.157896	0.480429	SGA2	histone chaperone ASF1
13540343	5.47	4.85	1.54	0.341957	0.578798	ATLIG4	DNA ligase 4
13504909	5.47	4.87	1.51	0.240175	0.532948	AT5G23490	hypothetical protein
13470996	5.47	4.9	1.49	0.222006	0.523175	FRS1	protein FAR1-related sequence 1

13513317	5.47	4.89	1.49	0.099143	0.433828	NBP35	nucleotide binding protein 35
13439877	5.47	4.9	1.48	0.185161	0.499761	AT3G55640	Mitochondrial substrate carrier family protein
13404123	5.47	4.94	1.44	0.105723	0.437428	AT2G42520	DEAD-box ATP-dependent RNA helicase 37
13424537	5.47	4.97	1.42	0.12603	0.455241	AT3G05250	RING/U-box domain-containing protein
13504852	5.47	4.99	1.4	0.006537	0.282673	FSD3	Fe superoxide dismutase 3
13539787	5.47	4.99	1.4	0.421716	0.61815	AT5G55550	RNA recognition motif-containing protein
13350136	5.47	5	1.38	0.330675	0.575803	AT1G49840	hypothetical protein
13522557	5.47	5.02	1.37	0.003267	0.253459	AT5G06130	chaperone protein dnaJ-like protein
13369747	5.47	5.06	1.33	0.208107	0.513672	AT1G18420	aluminum activated malate transporter-like protein
13339407	5.47	5.13	1.27	0.504698	0.668458	CYP87A2	cytochrome P450, family 87, subfamily A, polypeptide 2
13500637	5.47	5.15	1.25	0.147039	0.470962	AT5G12110	Elongation factor 1-beta 1
13511674	5.47	5.16	1.23	0.195001	0.506012	AT5G47420	tryptophan RNA-binding attenuator-like protein
13334437	5.47	5.22	1.19	0.640497	0.760374	PRD3	putative recombination initiation defects 3
13515282	5.47	5.22	1.19	0.406217	0.609465	AT5G55200	co-chaperone GrpE family protein
13523753	5.47	5.23	1.18	0.008003	0.290453	KIWI	RNA polymerase II transcriptional coactivator KIWI
13529116	5.47	5.24	1.17	0.167656	0.48688	CAM6	calmodulin 6
13378652	5.47	5.27	1.15	0.22287	0.524028	ABA2; AT1G52330	Xanthoxin dehydrogenase; late embryogenesis abundant hydroxyproline-rich glycoprotein
13424031	5.47	5.29	1.14	0.618115	0.745405	GLR1.1	glutamate receptor 1.1
13404165	5.47	5.32	1.11	0.238605	0.532292	AT2G42700	hypothetical protein
13499870	5.47	5.34	1.1	0.294761	0.560742	AT5G10190	major facilitator protein
13346867	5.47	5.37	1.07	0.771874	0.851439	BRX	protein BREVIS RADIX
13479984	5.47	5.38	1.07	0.563668	0.708411	AT4G00290	Mechanosensitive ion channel protein
13463688	5.47	5.44	1.02	0.9767	0.986081	AT3G63360	defensin-like protein 11
13467383	5.47	5.44	1.02	0.928132	0.956503	AT4G11290	peroxidase 39
13337823	5.47	5.56	-1.06	0.850952	0.906007	RBOHB	Respiratory burst oxidase-B
13410933	5.47	5.56	-1.06	0.58351	0.722842	AT2G20515	hypothetical protein
13347167	5.47	5.57	-1.08	0.760108	0.842851	AT1G32630	hypothetical protein
13464458	5.47	5.62	-1.11	0.78943	0.863771	AT4G01595	protein kinase-like protein
13365550	5.47	5.78	-1.24	0.48754	0.656709	AT1G09200; AT5G65360; AT5G10400; AT5G10390; AT3G27360	histone H3
13418361	5.47	5.78	-1.24	0.379587	0.595285	AT2G37975; SOUL-1	Yos1-like protein; SOUL heme-binding-like protein
13521295	5.47	5.77	-1.24	0.347175	0.58045	AT5G02600	heavy metal transport/detoxification domain-containing protein
13417610	5.47	5.97	-1.42	0.044184	0.374089	GRF3	growth-regulating factor 3
13355073	5.47	5.98	-1.43	0.151813	0.47403	AT1G64430	pentatricopeptide repeat-containing protein
13479909	5.47	6.08	-1.52	0.023809	0.331326	HAM3	scarecrow-like protein 6
13493366	5.47	6.43	-1.94	0.053434	0.383838	UGT73B1	UDP-glucosyl transferase 73B1
13453515	5.47	6.46	-1.99	0.454618	0.638041	RLP42	receptor like protein 42

13447102	5.47	7.61	-4.4	0.049754	0.379003	MDHAR	monodehydroascorbate reductase (NADH)
13541218	5.46	3.35	4.32	0.032515	0.353134	AT5G59080	hypothetical protein
13509278	5.46	3.94	2.86	0.197218	0.507663	AT5G41750	TIR-NBS-LRR class disease resistance protein
13378742	5.46	4.28	2.26	0.013629	0.30942	AT1G52590	Putative thiol-disulfide oxidoreductase DCC
13373523	5.46	4.36	2.15	0.018821	0.321499	AT1G29030	Apoptosis inhibitory protein 5
13403895	5.46	4.51	1.92	0.475464	0.649535	AT2G41730	hypothetical protein
13480915	5.46	4.71	1.68	0.030563	0.350098	AT4G02410	concanavalin A-like lectin kinase-like protein
13388067	5.46	4.75	1.63	0.07864	0.414078	GONST3	golgi nucleotide sugar transporter 3
13544617	5.46	4.77	1.61	0.176694	0.493062	AT5G67200	putative inactive receptor kinase
13394878	5.46	4.8	1.58	0.010417	0.296261	AT2G20110	Tesmin/TSO1-like CXC domain-containing protein
13477965	5.46	4.81	1.57	0.003304	0.253459	NTRB	thioredoxin reductase 1
13355970	5.46	4.81	1.57	0.06346	0.399503	AT1G66890	hypothetical protein
13389780	5.46	4.83	1.54	0.095081	0.431394	AT1G79790; AT1G79780	haloacid dehalogenase-like hydrolase domain-containing protein; hypothetical protein
13417531	5.46	4.86	1.52	0.197843	0.507784	APG10	1-(5-phosphoribosyl)-5-[(5-phosphoribosylamino)methylideneamino] imidazole-4-carboxamide isomerase
13459474	5.46	4.88	1.5	0.103611	0.436308	CP29	chloroplast RNA-binding protein 29
13491882	5.46	4.9	1.48	0.01965	0.322692	AT4G31150	deoxyribonuclease V
13374544	5.46	4.94	1.43	0.477773	0.650904	AT1G31540	TIR-NBS-LRR class disease resistance protein
13478049	5.46	4.95	1.43	0.456058	0.638899	CONNEXIN 32	putative serine/threonine-protein kinase Cx32
13505805	5.46	4.96	1.41	0.253909	0.539549	GA3	Ent-kaurene oxidase
13534445	5.46	4.99	1.38	0.557279	0.704047	AT5G42090	Lung seven transmembrane receptor family protein
13454240	5.46	5.04	1.34	0.266166	0.546291	TSO2	Ribonucleoside-diphosphate reductase small chain C
13380915	5.46	5.12	1.27	0.524765	0.682378	ZW18	Putative serine esterase family protein
13518558	5.46	5.14	1.25	0.283976	0.556068	RAC10	Rac-like GTP-binding protein ARAC10
13426542	5.46	5.16	1.23	0.64264	0.761789	AT3G10540	3-phosphoinositide-dependent protein kinase
13494756	5.46	5.19	1.21	0.460929	0.641973	AT4G37445	hypothetical protein
13482670	5.46	5.25	1.16	0.624942	0.749809	AT4G10030; HSD5	hydrolase, alpha/beta fold family protein; hydroxysteroid dehydrogenase 5
13390786	5.46	5.34	1.09	0.804062	0.873826	AT2G02370	SNARE associated Golgi protein
13531737	5.46	5.34	1.08	0.679445	0.787885	NEK3	serine/threonine-protein kinase Nek3
13369685	5.46	5.37	1.07	0.273748	0.550335	AT1G18340	transcription initiation factor TFIIH subunit H3
13375452	5.46	5.38	1.05	0.801215	0.871869	AT1G34315	hypothetical protein
13496107	5.46	5.39	1.04	0.745918	0.833161	APTX	aprataxin
13538343	5.46	5.47	-1.01	0.81756	0.883447	EXL3	protein EXORDIUM like 3
13374667	5.46	5.51	-1.03	0.67349	0.78365	NFD3	Ribosomal L.8/L5e family protein
13418042	5.46	5.52	-1.04	0.725456	0.820105	AT2G37190	60S ribosomal protein L12-1
13536719	5.46	5.6	-1.1	0.687095	0.792962	ERF1-1	peptide chain release factor eRF subunit 1
13523051	5.46	5.6	-1.11	0.645403	0.763906	RBL3	RHOMBOID-like protein 3
13527518	5.46	5.9	-1.35	0.318543	0.569591	AT5G17650	glycine/proline-rich protein
13414978	5.46	6	-1.45	0.118267	0.448212	AT2G30500	Kinase interacting (KIP1-like) family protein

13395584	5.45	3.29	4.49	0.025275	0.335081	AT2G21640	hypothetical protein
13531695	5.45	3.66	3.46	0.002384	0.253459	WNK9	putative serine/threonine-protein kinase WNK9
13530250	5.45	3.99	2.76	0.033247	0.354018	GMI1	gamma-irradiation and mitomycin c induced 1
13363772	5.45	4.01	2.71	0.003452	0.253459	LPA19	LOW PSII accumulation 19 protein
13359893	5.45	4.25	2.3	0.118598	0.448873	AT1G76630	superkiller protein 3-like protein
13516581	5.45	4.43	2.03	0.045654	0.376165	AT5G58210	hydroxyproline-rich glycoprotein-like protein
13378412	5.45	4.45	2	0.09218	0.429607	AT1G51890	putative leucine-rich repeat protein kinase
13402117	5.45	4.5	1.94	0.13101	0.460939	LCD1	hypothetical protein
13390209	5.45	4.5	1.93	0.136814	0.465316	AT1G80690	PPPDE putative thiol peptidase family protein
13503245	5.45	4.5	1.92	0.212841	0.517933	FRS12	protein FAR1-related sequence 12
13350997	5.45	4.55	1.87	0.083946	0.417946	AT1G51745	Tudor/PWWP/MBT superfamily protein
13416152	5.45	4.56	1.86	0.045372	0.375052	RLP26	receptor like protein 26
13536324	5.45	4.63	1.76	0.498527	0.66406	AGD9	putative ADP-ribosylation factor GTPase-activating protein AGD9
13459026	5.45	4.68	1.71	0.13364	0.463251	AT3G52260	RNA pseudourine synthase 5
13338288	5.45	4.74	1.64	0.080167	0.414375	GRP23	glutamine-rich protein 23
13515665	5.45	4.76	1.61	0.203007	0.510604	AT5G56190	transducin/WD40 domain-containing protein
13539861	5.45	4.78	1.59	0.110513	0.441725	NMNAT; AT5G55820	nicotinamide mononucleotide adenylyltransferase; hypothetical protein
13372745	5.45	4.84	1.52	0.098386	0.433275	AT1G26800	RING/U-box domain-containing protein
13504723	5.45	4.87	1.5	0.357131	0.584844	NF-YB13	protein Dr1-like protein
13526821	5.45	4.87	1.5	0.145017	0.470007	AT5G16160	hypothetical protein
13523283	5.45	4.97	1.4	0.323569	0.572669	AT5G07890	myosin heavy chain-like protein
13527617	5.45	5	1.37	0.099805	0.434356	AT5G17840	DnaJ/Hsp40 cysteine-rich domain-containing protein
13353130	5.45	5.04	1.33	0.35011	0.581723	AT1G57765	hypothetical protein
13369162	5.45	5.04	1.33	0.403219	0.607678	AT1G17450	B-block binding subunit of TFIIIC
13470441	5.45	5.08	1.29	0.085053	0.41951	AT4G18570	hypothetical protein
13366630	5.45	5.09	1.28	0.110873	0.442299	AT1G11270	F-box and associated interaction domain-containing protein
13420680	5.45	5.09	1.28	0.364898	0.589492	AT2G43235	hypothetical protein
13340529	5.45	5.11	1.27	0.052488	0.382994	AT1G15760	Sterile alpha motif (SAM) domain-containing protein
13522900	5.45	5.1	1.27	0.511461	0.673121	AT5G06850	C2 calcium/lipid-binding and phosphoribosyltransferase C-terminal domain-containing protein
13531337	5.45	5.12	1.25	0.176466	0.492859	AT5G26910	hypothetical protein
13423886	5.45	5.14	1.24	0.529451	0.686068	AT3G03790	ankyrin repeat and regulator of chromosome condensation (RCC1) domain-containing protein
13424413	5.45	5.16	1.22	0.409426	0.610961	AT3G05010	hypothetical protein
13497156	5.45	5.15	1.22	0.285258	0.556359	KDTA	3-deoxy-D-manno-octulosonic-acid transferase
13426326	5.45	5.21	1.18	0.015488	0.314853	RECA3	DNA repair protein recA-like 2
13538791	5.45	5.21	1.18	0.5304	0.686612	AT5G52880	F-box protein
13334767	5.45	5.3	1.11	0.444252	0.63204	AT1G02150	pentatricopeptide repeat-containing protein
13447496	5.45	5.32	1.09	0.560241	0.706213	GYRA	DNA gyrase subunit A

13338618	5.45	5.34	1.08	0.283793	0.556004	AT1G11020	RING/FYVE/PHD zinc finger-containing protein
13438689	5.45	5.33	1.08	0.050166	0.380143	KIPK	KCBP-interacting protein kinase
13501021	5.45	5.46	-1.01	0.983574	0.990435	IQD11	protein IQ-domain 11
13491605	5.45	5.51	-1.04	0.493875	0.66086	AT4G30520	leucine-rich repeat protein kinase-like protein
13437659	5.45	5.52	-1.05	0.93162	0.958377	AT3G50280	uncharacterized acetyltransferase
13362809	5.45	5.56	-1.08	0.628599	0.752491	NAF1	nuclear assembly factor 1
13398966	5.45	5.55	-1.08	0.620012	0.746967	AT2G30550	phospholipase A1-Igamma2
13401358	5.45	5.55	-1.08	0.322031	0.57149	AT2G36000	transcription termination factor domain-containing protein
13531263	5.45	5.67	-1.16	0.801479	0.872014	AT5G26622	Beta-galactosidase related protein
13421838	5.45	5.75	-1.23	0.230102	0.527363	CYP86A8	cytochrome P450, family 86, subfamily A, polypeptide 8
13396848	5.45	6.1	-1.57	0.031944	0.352653	ENODL14	early nodulin-like protein 1
13344895	5.45	7.32	-3.65	0.011025	0.297771	KDR	basic helix-loop-helix domain-containing protein
13402651	5.44	4.18	2.4	0.171474	0.489309	AT2G39100	RING/U-box domain-containing protein
13530334	5.44	4.2	2.36	0.012476	0.301412	AT5G24390	RabGAP/TBC domain-containing protein
13473289	5.44	4.27	2.24	0.02674	0.339318	AT4G25210	DNA-binding storekeeper protein-related transcriptional regulator
13351904	5.44	4.39	2.07	0.191275	0.504418	GLIP3	GDSL esterase/lipase 3
13430057	5.44	4.43	2.01	0.183496	0.498278	AT3G18350	hypothetical protein
13483936	5.44	4.48	1.95	0.074111	0.410257	AT4G13330	S-adenosylmethionine-dependent methyltransferase domain-containing protein
13538294	5.44	4.59	1.81	0.28721	0.557153	AT5G51410	LUC7 N_terminus domain-containing protein
13368456	5.44	4.69	1.68	0.003387	0.253459	AT1G15490	alpha/beta-hydrolase domain-containing protein
13393386	5.44	4.74	1.63	0.009568	0.296261	AT2G16595	Translocon-associated protein (TRAP), alpha subunit
13457870	5.44	4.75	1.61	0.238947	0.532292	RDR6	RNA-dependent RNA polymerase 6
13434213	5.44	4.76	1.6	0.020644	0.324125	AT3G28140	RNA ligase/cyclic nucleotide phosphodiesterase family protein
13452423	5.44	4.76	1.59	0.014231	0.313095	APO4	APO protein 4
13438905	5.44	4.83	1.52	0.062384	0.398248	AT3G53342	hypothetical protein
13359813	5.44	4.85	1.51	0.269539	0.547915	SOB3	AT-hook motif nuclear localized protein 29
13381130	5.44	4.92	1.44	0.207447	0.513526	ARR3	two-component response regulator ARR3
13418519	5.44	4.94	1.42	0.062094	0.398248	AMT2	ammonium transporter 2
13470535	5.44	4.93	1.42	0.489478	0.658187	AT4G18820	AAA-type ATPase family protein
13426697	5.44	4.95	1.41	0.041552	0.367814	AT3G11040	glycosyl hydrolase family 85 protein
13430094	5.44	4.95	1.41	0.271644	0.548926	EMB1865	CRS1 / YhbY (CRM) domain-containing protein
13336026	5.44	4.99	1.37	0.218032	0.520652	AT1G05220	putative transmembrane protein 97
13374561	5.44	4.98	1.37	0.301726	0.563858	AT1G31600	RNA recognition motif-containing protein
13487081	5.44	5.01	1.35	0.102341	0.43559	AT4G19900	alpha 1,4-glycosyltransferase-like protein
13431883	5.44	5.02	1.34	0.397299	0.604224	OASA2	cysteine synthase A
13385472	5.44	5.06	1.3	0.32435	0.573008	AT1G69800	Cystathionine beta-synthase (CBS) protein
13371301	5.44	5.1	1.26	0.085871	0.420934	AT1G22510; AT1G22500	C3HC4-type RING finger protein; E3 ubiquitin-protein ligase ATL15

13502505	5.44	5.29	1.11	0.75476	0.839526	AT5G16950	hypothetical protein
13399338	5.44	5.33	1.08	0.380817	0.596106	AT2G31370	putative transcription factor PosF21
13426090	5.44	5.4	1.02	0.960602	0.976696	AT3G09490	tetratricopeptide repeat domain-containing protein
13440688	5.44	5.41	1.02	0.947984	0.968968	AT3G57740	protein kinase family protein
13496083	5.44	5.41	1.02	0.939813	0.963805	AT5G01260	carbohydrate-binding domain-containing protein
13366084	5.44	5.5	-1.04	0.793454	0.866548	AT1G10280	Core-2/I-branching beta-1,6-N-acetylglucosaminyltransferase family protein
13365132	5.44	5.53	-1.07	0.374475	0.593017	AT1G08230	transmembrane amino acid transporter
13525794	5.44	5.61	-1.13	0.65866	0.773924	FZR3	protein FIZZY-related 3
13494073	5.44	5.86	-1.34	0.385206	0.598088	AT4G35985	senescence/dehydration-associated protein
13533148	5.44	5.97	-1.45	0.341362	0.578648	AT5G38030	mate efflux domain-containing protein
13493817	5.44	6.1	-1.58	0.070258	0.4066	AT4G35320	hypothetical protein
13409265	5.44	6.18	-1.67	0.2005	0.509842	PAP10	purple acid phosphatase 10
13545339	5.44	6.53	-2.12	0.595427	0.730182	ArthMp082	hypothetical protein
13522792	5.44	9.29	-14.38	0.000201	0.180656	AT5G06640	Proline-rich extensin-like family protein
13423397	5.43	3.77	3.16	0.001043	0.240568	AT3G02610	acyl-[acyl-carrier-protein] desaturase
13532829	5.43	4.35	2.11	0.130752	0.460628	SEF	zinc finger HIT domain-containing protein 1
13336588	5.43	4.36	2.09	0.034478	0.355201	GSL07	callose synthase 7
13464234	5.43	4.4	2.04	0.080339	0.414801	PYL7; AT4G01030	abscisic acid receptor PYL7; pentatricopeptide repeat-containing protein
13492008	5.43	4.41	2.03	0.061588	0.398106	EXO70G1	exocyst complex component 7
13467770	5.43	4.44	1.98	0.000326	0.181632	AT4G12290	copper amine oxidase family protein
13387758	5.43	4.69	1.67	0.16514	0.485944	AT1G75590	SAUR-like auxin-responsive protein
13469139	5.43	4.72	1.64	0.066198	0.403288	MAA3	protein MAGATAMA 3
13450835	5.43	4.73	1.63	0.069354	0.406403	AT3G18380	sequence-specific DNA binding transcription factor
13426367	5.43	4.74	1.62	0.065207	0.401596	AT3G10300	putative calcium-binding protein CML49
13482528	5.43	4.76	1.59	0.079381	0.414177	AT4G09640	hypothetical protein
13529379	5.43	4.83	1.52	0.003774	0.256913	AT5G22400	Rho GTPase activating protein with PAK-box/P21-Rho-binding domain
13406354	5.43	4.82	1.52	0.253182	0.539191	PHR2	photolyase/blue-light receptor 2
13403439	5.43	4.84	1.5	0.058332	0.393329	RHC1A	ubiquitin-protein ligase RNF115/126
13435518	5.43	4.87	1.48	0.194658	0.505856	AT3G44670	TIR-NBS-LRR class disease resistance protein
13378945	5.43	4.9	1.45	0.196962	0.507661	AT1G53200	hypothetical protein
13412011	5.43	4.89	1.45	0.176531	0.492897	AT2G23520	catalytic/ pyridoxal phosphate binding protein
13478528	5.43	4.91	1.44	0.041551	0.367814	BLH2	BEL1-like homeodomain protein 2
13469376	5.43	4.97	1.38	0.124614	0.453788	AT4G16060	hypothetical protein
13541142	5.43	5	1.35	0.109005	0.440715	AT5G58930	hypothetical protein
13528482	5.43	5.07	1.29	0.244617	0.535161	AT5G19930	hypothetical protein
13470351	5.43	5.08	1.28	0.484527	0.654458	AT4G18380	F-box protein
13505031	5.43	5.1	1.26	0.146308	0.470765	PHS1	dual specificity protein phosphatase family protein
13421587	5.43	5.11	1.24	0.072502	0.408352	AT2G45460	SMAD/FHA domain-containing protein
13491395	5.43	5.12	1.24	0.236522	0.530694	ARF16	auxin response factor 16
13491240	5.43	5.17	1.19	0.496196	0.662617	MTO2; VIP3	threonine synthase 1; WD repeat-containing protein 61

13472563	5.43	5.2	1.18	0.276372	0.551293	AT4G23860	ubiquitin-protein ligase UBR7
13480507	5.43	5.2	1.17	0.361967	0.587911	AT4G01310	50S ribosomal protein L5
13487547	5.43	5.23	1.15	0.745697	0.832977	B160	protein binding / transcription factor/ zinc ion binding protein
13402233	5.43	5.27	1.11	0.175248	0.492147	AT2G38180	GDSL esterase/lipase
13341023	5.43	5.29	1.1	0.642248	0.761474	AT1G16740	Ribosomal protein L20
13467798	5.43	5.3	1.1	0.562307	0.707644	ORP2B	OSBP(oxysterol binding protein)-related protein 2B
13490771	5.43	5.32	1.08	0.585597	0.724132	AT4G28290	hypothetical protein
13478295	5.43	5.33	1.07	0.544605	0.695513	AT4G36130	60S ribosomal protein L8-3
13339589	5.43	5.36	1.05	0.889376	0.932185	LINC2	nuclear matrix constituent protein-like protein
13413964	5.43	5.36	1.05	0.843261	0.901174	SCPL51	serine carboxypeptidase-like 51
13397236	5.43	5.46	-1.02	0.955597	0.97361	BRIZ2	BRCA1-associated protein
13474872	5.43	5.47	-1.03	0.604689	0.735638	YUC8	flavin-containing monooxygenase-like protein
13525059	5.43	5.49	-1.04	0.86175	0.913932	AT5G12010	hypothetical protein
13494698	5.43	5.51	-1.06	0.763837	0.845378	AT4G37280	mortality factor 4-like protein 1
13441841	5.43	5.53	-1.07	0.267488	0.546492	CDS5	cytidinediphosphate diacylglycerol synthase 5
13449563	5.43	5.66	-1.17	0.680394	0.788339	AT3G14780	hypothetical protein
13428343	5.43	5.79	-1.28	0.003626	0.253459	AT3G14890	bifunctional polynucleotide phosphatase/kinase
13503519	5.43	6.03	-1.51	0.339561	0.577996	NUDT20	nudix hydrolase 20
13491905	5.43	6.07	-1.56	0.166521	0.486772	AT4G31200	SWAP/Surp domain-containing protein
13422145	5.43	6.15	-1.65	0.488219	0.65726	AT2G46740	D-arabinono-1,4-lactone oxidase-like protein
13442420	5.43	6.74	-2.49	0.328746	0.574572	AT3G61810	glycosyl hydrolase family 17 protein
13334812	5.42	3.57	3.62	0.003404	0.253459	AT1G02300	putative cathepsin B-like cysteine protease
13541414	5.42	4.09	2.5	0.190714	0.50408	SRR1	sensitivity to red light reduced protein
13439451	5.42	4.3	2.17	0.150453	0.473213	AT3G54740	hypothetical protein
13446553	5.42	4.36	2.09	0.136239	0.465036	AT3G08780	hypothetical protein
13379029	5.42	4.4	2.03	0.031463	0.351992	AT1G53380	hypothetical protein
13497963	5.42	4.4	2.03	0.07532	0.410503	EMB2771	anaphase-promoting complex subunit 1
13346876	5.42	4.49	1.9	0.01195	0.301412	NIP3;1	aquaporin NIP3-1
13427444	5.42	4.51	1.87	0.000718	0.212884	AT3G13050	major facilitator protein
13350444	5.42	4.6	1.77	0.069597	0.406403	CYP705A25	cytochrome P450, family 705, subfamily A, polypeptide 25
13483696	5.42	4.64	1.72	0.370676	0.591914	AT4G12750	Homeodomain-like transcriptional regulator
13390154	5.42	4.66	1.69	0.196386	0.507303	AT1G80550	pentatricopeptide repeat-containing protein
13505277	5.42	4.66	1.69	0.197902	0.507822	AT5G24340	3'-5' exonuclease domain-containing protein
13485704	5.42	4.73	1.61	0.367034	0.590515	SNC1	protein SUPPRESSOR OF npr1-1, CONSTITUTIVE 1
13517692	5.42	4.74	1.6	0.208026	0.513672	AT5G60940	transducin/WD40 domain-containing protein
13537343	5.42	4.8	1.55	0.312537	0.567623	GATA16	GATA transcription factor 16
13474970	5.42	4.79	1.54	0.238379	0.532151	ckl4	protein casein kinase I-like 4
13444705	5.42	4.83	1.51	0.038932	0.364658	AT3G04820	pseudouridine synthase
13387891	5.42	4.85	1.48	0.373876	0.592616	AT1G75980	biotinyl-lipoyl domain-containing protein
13345724	5.42	4.87	1.46	0.24993	0.537401	AT1G29120	hydrolase-like protein
13446511	5.42	4.87	1.46	0.115451	0.446371	S6K2	serine/threonine protein kinase 2

13357523	5.42	4.89	1.44	0.048108	0.37767	AT1G70630	Nucleotide-diphospho-sugar transferase family protein
13394549	5.42	4.97	1.36	0.098192	0.433275	AT2G19350	hypothetical protein
13444225	5.42	4.97	1.36	0.218027	0.520652	CAT4	cationic amino acid transporter 4
13519836	5.42	5.06	1.29	0.538732	0.691698	BAM1	leucine-rich receptor-like protein kinase BAM1
13341215	5.42	5.12	1.23	0.529141	0.685822	AT1G17160	ribokinase
13420944	5.42	5.13	1.22	0.190501	0.503959	AT2G43780	hypothetical protein
13429814	5.42	5.16	1.19	0.667796	0.779309	AT3G17920	Outer arm dynein light chain 1 protein
13450788	5.42	5.16	1.19	0.679031	0.787597	AT3G18210	oxidoreductase
13485208	5.42	5.22	1.15	0.297515	0.56231	COBL7	COBRA-like protein 7
13486291	5.42	5.21	1.15	0.678858	0.78746	AT4G17880	transcription factor MYC4
13358894	5.42	5.3	1.08	0.686109	0.792352	AT1G73875	carbon catabolite repressor protein 4-like 5
13519513	5.42	5.36	1.04	0.865993	0.916477	ASN2	asparagine synthetase 2
13539365	5.42	5.36	1.04	0.703416	0.80468	THE1	receptor-like protein kinase THESEUS 1
13458067	5.42	5.4	1.01	0.975292	0.985277	AT3G49990	hypothetical protein
13527571	5.42	5.51	-1.07	0.278312	0.552987	AT5G17760	AAA-type ATPase family protein
13413305	5.42	5.67	-1.19	0.685881	0.792166	PLA2A	phospholipase A 2A
13518337	5.42	5.71	-1.22	0.583093	0.722371	SMC2	structural maintenance of chromosomes protein 2-1
13380623	5.42	5.81	-1.31	0.504443	0.66833	VIM1	E3 ubiquitin-protein ligase ORTHRUS 2
13533375	5.42	5.88	-1.38	0.003611	0.253459	AT5G38720	hypothetical protein
13404674	5.42	5.89	-1.38	0.546545	0.696908	AT2G43930	protein kinase-like protein
13384590	5.42	5.93	-1.43	0.223774	0.524399	AT1G67510	leucine-rich repeat-like protein
13509474	5.42	5.97	-1.47	0.079328	0.414078	AT5G42200	E3 ubiquitin-protein ligase ATL23
13411030	5.42	6.09	-1.59	0.247584	0.536275	AT2G20670	hypothetical protein
13367387	5.42	6.47	-2.07	0.060663	0.396635	GATL3	putative galacturonosyltransferase-like 3
13406472	5.42	6.6	-2.26	0.02709	0.340652	AT2G47890	zinc finger protein CONSTANS-LIKE 13
13355189	5.41	3.79	3.07	0.004956	0.268309	AT1G64625	putative serine/threonine-protein kinase WNK10-related protein
13374007	5.41	3.95	2.75	0.019123	0.321499	TCP24	transcription factor TCP24
13520566	5.41	4.02	2.62	0.063339	0.399471	APK4	adenylylsulfate kinase
13366183	5.41	4.12	2.44	0.027734	0.343879	GLP7	germin-like protein subfamily 1 member 1
13433695	5.41	4.2	2.31	0.087377	0.423161	AT3G26770	Rossmann-fold NAD(P)-binding domain-containing protein
13475019	5.41	4.43	1.98	0.068959	0.406403	CAK1AT	cyclin-dependent kinase F-1
13533044	5.41	4.5	1.87	0.230456	0.527602	ARLA1A	ADP-ribosylation factor-like A1A
13487987	5.41	4.57	1.8	0.032493	0.353134	AT4G22305	alpha/beta-hydrolase-like protein
13372125	5.41	4.64	1.71	0.165523	0.485944	AT1G24430	HXXXD-type acyl-transferase-like protein
13392527	5.41	4.64	1.7	0.184196	0.49884	AT2G11270	citrate synthase-related protein
13492391	5.41	4.66	1.68	0.012871	0.304248	AT4G32272	UDP-sugar transporter-like protein
13377727	5.41	4.67	1.67	0.249609	0.537218		
13478504	5.41	4.68	1.66	0.052188	0.382481	AT4G36790	major facilitator protein
13476284	5.41	4.71	1.62	0.300827	0.563793	AT4G31985; AT2G25210	60S ribosomal protein L39-1
13395434	5.41	4.75	1.58	0.071847	0.408234	AT2G21385	hypothetical protein
13386988	5.41	4.77	1.56	0.393629	0.602362	EIL3	ethylene insensitive 3-like 3 protein
13401059	5.41	4.77	1.55	0.281559	0.554731	AT2G35410; AT2G35420	RNA-binding (RRM/RBD/RNP motifs) family protein; RING-H2 finger protein ATL28

13361092	5.41	4.79	1.54	0.061627	0.398106	GA2	Ent-kaur-16-ene synthase
13485664	5.41	4.81	1.51	0.069532	0.406403	AT4G16790	hydroxyproline-rich glycoprotein family protein
13402740	5.41	4.89	1.44	0.274859	0.550583	AT2G39410	alpha/beta-hydrolase domain-containing protein
13340783	5.41	4.92	1.4	0.039228	0.364658	AT1G16320	hypothetical protein
13478131	5.41	4.97	1.36	0.174061	0.491258	RecQl3	ATP-dependent DNA helicase Q-like 3
13500229	5.41	4.97	1.36	0.316301	0.568464	AT5G11200; AT5G11170	DEAD-box ATP-dependent RNA helicase 56
13465702	5.41	4.97	1.35	0.409178	0.610961	AT4G04670	tRNA wybutosine synthesizing protein 2-like protein
13492556	5.41	5	1.33	0.033645	0.354018	AT4G32670	ubiquitin-protein ligase MARCH6
13380899	5.41	5.05	1.28	0.543652	0.694707	HEMA1	glutamyl-tRNA reductase 1
13391247	5.41	5.06	1.28	0.086821	0.422399	UPS1	ureide permease 1
13362254	5.41	5.14	1.2	0.549306	0.699051	NAC003	NAC domain-containing protein 3
13506059	5.41	5.22	1.14	0.654084	0.77044	AT5G26670	Pectinacetylesterase family protein
13337791	5.41	5.27	1.1	0.688598	0.793951	NP1	mitogen-activated protein kinase kinase kinase ANP1
13504396	5.41	5.29	1.09	0.118548	0.448803	E2F1	E2F transcription factor 1
13361632	5.41	5.34	1.05	0.701832	0.803774	AT1G80720	Mitochondrial glycoprotein family protein
13515682	5.41	5.37	1.03	0.737888	0.828074	AT5G56220	nucleoside-triphosphatase/ nucleotide binding protein
13541902	5.41	5.44	-1.02	0.928957	0.956907	AT5G60960	pentatricopeptide repeat-containing protein
13348432	5.41	5.5	-1.07	0.696228	0.799787	AT1G42430	hypothetical protein
13516029	5.41	5.73	-1.25	0.345035	0.579917	ABI2	protein phosphatase 2C 77
13336488	5.41	5.76	-1.27	0.365397	0.589732	AT1G06240	hypothetical protein
13370941	5.41	5.77	-1.29	0.326594	0.573808	PTAC6	plastid transcriptionally active 6
13387939	5.41	6.66	-2.38	0.03252	0.353134	SMT3	24-methylenesterol C-methyltransferase 3
13518669	5.41	6.67	-2.4	0.048504	0.37767	AT5G63130	octicosapeptide/Phox/Bem1p domain-containing protein
13415322	5.4	4.22	2.28	0.205932	0.512597	ERF15	ethylene-responsive transcription factor 15
13401471	5.4	4.39	2.01	0.005415	0.27688	AT2G36330	hypothetical protein
13429028	5.4	4.43	1.95	0.110369	0.441467	TRZ4	tRNAse Z4
13495947	5.4	4.45	1.94	0.164338	0.485779	AT4G40020	Myosin heavy chain-related protein
13474097	5.4	4.6	1.74	0.12579	0.454936	AT4G27010	hypothetical protein
13340374	5.4	4.66	1.67	0.109503	0.440715	PDF1A	peptide deformylase 1A
13352101	5.4	4.67	1.66	0.265646	0.546155	AT1G54440	RRP6-like protein 1
13393366	5.4	4.66	1.66	0.168096	0.487067	DRD1	SNF2 and helicase domain-containing protein
13401067	5.4	4.75	1.57	0.008836	0.293015	AT2G35480	hypothetical protein
13366765	5.4	4.76	1.56	0.040381	0.365651	AT1G11630	pentatricopeptide repeat-containing protein
13441790	5.4	4.76	1.56	0.322255	0.571544	CER7	3'-5'-exoribonuclease CER7 protein
13468524	5.4	4.77	1.55	0.116453	0.446833	AT4G14520	DNA-directed RNA polymerase II-like protein
13338164	5.4	4.79	1.53	0.301423	0.563858	AT1G09900	pentatricopeptide repeat-containing protein
13395759	5.4	4.79	1.53	0.383893	0.597749	AT2G22120	RING/FYVE/PHD zinc finger-containing protein
13351104	5.4	4.93	1.39	0.293165	0.559559	PDIL1-5	protein PDI-like 1-5
13540693	5.4	4.93	1.39	0.389	0.599658	AT5G57830	hypothetical protein

13467834	5.4	4.93	1.38	0.332001	0.576244	AT4G12600	Ribosomal protein L7Ae/L30e/S12e/Gadd45 family protein
13399143	5.4	4.98	1.33	0.238804	0.532292		
13528114	5.4	5	1.32	0.161668	0.483516	AT5G19030	RNA recognition motif-containing protein
13438540	5.4	5.06	1.26	0.332793	0.576298	CP33	chloroplast RNA-binding protein 33
13417278	5.4	5.07	1.25	0.028497	0.346553	BRXL1	protein Brevis radix-like 1
13390014	5.4	5.08	1.25	0.525016	0.682557	ERH3	Katanin p60 ATPase-containing subunit
13408487	5.4	5.09	1.24	0.361995	0.587911	AT2G10931	hypothetical protein
13457919	5.4	5.08	1.24	0.418235	0.616376	AT3G49640	tRNA-dihydrouridine synthase 2
13520418	5.4	5.09	1.24	0.558927	0.70524	ICU2	DNA polymerase alpha catalytic subunit
13536042	5.4	5.12	1.21	0.456829	0.639146	PTR3	peptide transporter PTR3-A
13412448	5.4	5.14	1.2	0.604569	0.735563	UBP19	ubiquitin carboxyl-terminal hydrolase 19
13544364	5.4	5.13	1.2	0.23238	0.528375	AT5G66540	hypothetical protein
13379762	5.4	5.18	1.17	0.663712	0.776689	TAF7	TBP-associated factor 7
13445805	5.4	5.17	1.17	0.595484	0.730189	BCE2	2-oxoisovalerate dehydrogenase E2 component (dihydrolipoyl transacylase)
13367479	5.4	5.23	1.13	0.338452	0.577379	AT1G13450	DNA binding protein GT-1
13531496	5.4	5.25	1.11	0.3098	0.566973	AT5G27460	pentatricopeptide repeat-containing protein
13517671	5.4	5.3	1.07	0.693024	0.797507	AT5G60820	RING/U-box domain-containing protein
13489557	5.4	5.33	1.05	0.91877	0.950907	CPuORF13; AT4G25690	uncharacerized protein; hypothetical protein
13541200	5.4	5.35	1.04	0.7538	0.838949	COPT1	copper transporter 1
13439703	5.4	5.36	1.03	0.568975	0.711792	OBP3	Dof zinc finger protein DOF3.6
13343409	5.4	5.38	1.01	0.940695	0.96445	AT1G22540	putative peptide/nitrate transporter
13387177	5.4	5.38	1.01	0.932845	0.959257	RLP13	receptor like protein 13
13458545	5.4	5.42	-1.02	0.961484	0.977349	AT3G51090	hypothetical protein
13342255	5.4	5.5	-1.07	0.565493	0.709921	KCS4	3-ketoacyl-CoA synthase 4
13483966	5.4	5.72	-1.25	0.610934	0.740463	RTFL12	protein rotundifolia like 12
13425738	5.4	5.73	-1.26	0.096388	0.43261	ATAB2	RNA binding protein
13515028	5.4	6	-1.52	0.048812	0.377942	AT5G54660	nuclear-enriched phloem companion cell 8 protein
13530477	5.4	6.15	-1.68	0.088959	0.425695	LSU4	response to low sulfur 4
13515545	5.4	6.25	-1.8	0.03524	0.355898	AT5G55960	hypothetical protein
13421567	5.4	6.36	-1.94	0.042627	0.36966	BEN1	dihydroflavonol 4-reductase-like protein
13426889	5.4	6.48	-2.11	0.079034	0.414078	AT3G11550	hypothetical protein
13468629	5.4	6.55	-2.22	0.001336	0.242634	IQD19	protein IQ-domain 19
13441335	5.4	6.6	-2.3	0.489385	0.658108		
13419051	5.39	4.29	2.14	0.082988	0.417856	AT2G39518	UPF0497 membrane protein
13513039	5.39	4.34	2.07	0.06021	0.39581	QS	quinolinate synthase
13467540	5.39	4.55	1.79	0.074549	0.410456	AT-HSFB2B; AT4G11670	heat stress transcription factor B-2b; hypothetical protein
13528251	5.39	4.6	1.72	0.203794	0.511039	AT5G19420	regulator of chromosome condensation-like protein with FYVE zinc finger domain
13420196	5.39	4.64	1.68	0.199156	0.50859	AT2G42030	RING/U-box domain-containing protein
13502668	5.39	4.64	1.68	0.230224	0.527451	AT5G17440	LUC7 related protein
13461070	5.39	4.71	1.61	0.040285	0.365591	AT3G57170	N-acetylglucosaminyl transferase component family protein / Gpi1 family protein
13480813	5.39	4.76	1.55	0.057291	0.392016	PIT1	protein pitchoun 1
13486674	5.39	4.8	1.51	0.10201	0.43551	AT4G18975	pentatricopeptide repeat-containing protein

13521028	5.39	4.81	1.5	0.125258	0.454331	AT5G01780	oxidoreductase, 2OG-Fe(II) oxygenase family protein
13432672	5.39	4.81	1.49	0.072554	0.408352	AT3G24190	aarF domain-containing kinase
13493687	5.39	4.87	1.43	0.083058	0.417856	MSI3	histone-binding protein RBBP4
13376400	5.39	4.88	1.42	0.323083	0.572277	AT1G45150	hypothetical protein
13500854	5.39	4.95	1.36	0.586153	0.724685	G6PD2	glucose-6-phosphate dehydrogenase 2
13513065	5.39	4.98	1.33	0.349871	0.581551	EMB1006	pentatricopeptide repeat-containing protein
13389954	5.39	5.01	1.3	0.124652	0.453788	AT1G80170	putative polygalacturonase
13479441	5.39	5.01	1.3	0.524041	0.681826	AT4G39170	Sec14p-like phosphatidylinositol transfer family protein
13337762	5.39	5.04	1.27	0.027446	0.342427	NF-YC9	nuclear transcription factor Y subunit C-9
13476615	5.39	5.04	1.27	0.466249	0.644929	AT4G32590	2Fe-2S iron-sulfur cluster binding domain-containing protein
13462865	5.39	5.06	1.25	0.462885	0.643066	GDAP1	golgin candidate 3
13529513	5.39	5.08	1.23	0.323985	0.572935	AT5G22730	FBD-associated F-box protein
13512236	5.39	5.12	1.2	0.001288	0.242634	HINT3	protein histidine triad nucleotide-binding 3
13456984	5.39	5.14	1.19	0.363674	0.588887	AT3G47010	beta-D-glucan exohydrolase - like protein
13531816	5.39	5.16	1.18	0.219477	0.521515	FRS10	putative protein FAR1-related sequence 10
13463179	5.39	5.18	1.16	0.676744	0.78573	AT3G62220	protein kinase-domain containing protein
13349125	5.39	5.18	1.15	0.048964	0.377942	TLP6	Tubby-like F-box protein 6
13460932	5.39	5.22	1.12	0.619759	0.746757	UBA2A	UBP1-associated protein 2A
13489661	5.39	5.27	1.08	0.821298	0.885621	AT4G25940	putative clathrin assembly protein
13368640	5.39	5.29	1.07	0.100855	0.434702	MGT2	magnesium transporter MRS2-1
13440750	5.39	5.31	1.06	0.858193	0.91149	AT3G57910	D111/G-patch domain-containing protein
13512574	5.39	5.34	1.04	0.685321	0.791754	AT5G49370	Pleckstrin homology (PH) domain-containing protein-like protein
13530238	5.39	5.43	-1.03	0.897304	0.936763	SOS3	calcineurin B-like protein 4
13420060	5.39	5.49	-1.07	0.735525	0.826948	AT2G41800	hypothetical protein
13493490	5.39	5.49	-1.08	0.267913	0.546492	AT4G34500	protein kinase family protein
13521004	5.39	5.74	-1.28	0.382828	0.597193	RAPTOR2	WD40 domain-containing protein
13474308	5.39	5.83	-1.36	0.114214	0.445313	AT4G27657	hypothetical protein
13472434	5.39	6.08	-1.61	0.065865	0.402786	AT4G23500	putative polygalacturonase
13447329	5.39	6.55	-2.25	0.01517	0.313468	AT3G10320	Glycosyltransferase family 61 protein
13441352	5.38	4.2	2.26	0.005102	0.270635	AT3G59480	fructokinase
13342732	5.38	4.41	1.96	0.212923	0.517954	SAUL1	U-box domain-containing protein 44
13438875	5.38	4.45	1.91	0.025949	0.337071	RLP45; AT3G53235	receptor like protein 45; hypothetical protein
13472535	5.38	4.51	1.83	0.023223	0.330182	AT4G23760	Cox19-like CHCH family protein
13494574	5.38	4.57	1.74	0.01724	0.319147	AT4G36970	Remorin family protein
13475452	5.38	4.59	1.73	0.091995	0.429515	AT4G30150	hypothetical protein
13464105	5.38	4.62	1.69	0.015477	0.314853	AT4G00755	F-box protein
13524557	5.38	4.66	1.64	0.294653	0.560687	AT5G10820	major facilitator protein
13397140	5.38	4.68	1.62	0.280134	0.55409	AT2G25740	cereblon
13529473	5.38	4.69	1.62	0.157667	0.480231	AT5G22620	phosphoglycerate/bisphosphoglycerate mutase family protein
13525821	5.38	4.76	1.54	0.003468	0.253459	AT5G13890	hypothetical protein
13500248	5.38	4.75	1.54	0.22579	0.524988	AT5G11240	transducin/WD40 domain-containing protein
13387217	5.38	4.83	1.46	0.047339	0.377622	AT1G74270	60S ribosomal protein L35a-3
13447965	5.38	4.86	1.44	0.272006	0.548926	AT3G11720	START domain-containing protein
13335797	5.38	4.89	1.41	0.219981	0.521793	IAA12	auxin-responsive protein IAA12
13441424	5.38	4.9	1.39	0.362236	0.587961	AT3G59640	glycine-rich protein

13345707	5.38	4.94	1.36	0.172256	0.489773	AT1G29060	protein transport protein SFT1
13357481	5.38	4.95	1.34	0.2261	0.524988	TAP1	ABC transporter B family member 26
13544390	5.38	4.98	1.32	0.072237	0.408352	AT5G66560	Phototropic-responsive NPH3 family protein
13352382	5.38	4.99	1.31	0.122667	0.45286	TMN6	putative endomembrane protein 70
13479834	5.38	5.03	1.28	0.085069	0.419521	AT4G40042	signal peptidase subunit-12
13394679	5.38	5.06	1.25	0.119132	0.449468		
13527755	5.38	5.07	1.25	0.536936	0.690384	ANAC087	NAC domain containing protein 87
13460751	5.38	5.18	1.15	0.588998	0.726681	AT3G56370	leucine-rich repeat protein kinase-like protein
13541358	5.38	5.19	1.14	0.295386	0.561114	AT5G59410; AT5G59400	Rab5-interacting family protein; hypothetical protein
13383946	5.38	5.22	1.12	0.680336	0.788339	AT1G66330	putative senescence-associated protein
13357320	5.38	5.24	1.11	0.582034	0.721434	AT1G70190	ribosomal protein L7/L12 domain-containing protein
13467216	5.38	5.24	1.1	0.389216	0.599658	AT4G10845	hypothetical protein
13421104	5.38	5.32	1.04	0.899369	0.938029	AT2G44090	ankyrin repeat-containing protein
13406166	5.38	5.36	1.01	0.92599	0.95537	AT2G47310	flowering time control protein-like protein
13352979	5.38	5.39	-1.01	0.988527	0.993412	AT1G56560	putative neutral invertase
13396076	5.38	5.4	-1.01	0.950564	0.970589	GRF1	growth-regulating factor 1
13442858	5.38	5.49	-1.07	0.311331	0.566973	AT3G63170	Chalcone-flavanone isomerase family protein
13541018	5.38	5.51	-1.1	0.772302	0.851598	PLC5	phosphoinositide phospholipase C 5
13363104	5.38	5.58	-1.15	0.755231	0.839887	MPI7	PRA1 family protein D
13401759	5.38	5.6	-1.16	0.741483	0.830121	AT2G37020	translin-like protein
13520471	5.38	5.61	-1.17	0.03734	0.360697	AT5G67210	hypothetical protein
13436726	5.38	5.62	-1.18	0.444328	0.63204	AT3G48070	RING/U-box domain-containing protein
13383175	5.38	5.66	-1.22	0.111576	0.443023	AT1G64700	hypothetical protein
13468834	5.38	5.68	-1.23	0.617824	0.745299	CCT2; AT4G15140	phosphorylcholine cytidylyltransferase2; hypothetical protein
13385189	5.38	5.75	-1.29	0.567977	0.711172	AT1G69030	BSD domain-containing protein
13337695	5.38	5.9	-1.42	0.28777	0.557356	EMB3001	zinc ion binding protein
13442169	5.38	5.99	-1.52	0.375202	0.593207	AT3G61280	hypothetical protein
13408010	5.38	6	-1.53	0.312839	0.567883	AT2G05632	hypothetical protein
13417367	5.38	6.24	-1.82	0.102783	0.435908		
13418966	5.38	6.38	-2.01	0.040897	0.366381	AT2G39350	ABC transporter G family member 1
13434108	5.37	3.73	3.11	0.033078	0.354018	LBD26	LOB domain-containing protein 26
13461004	5.37	3.98	2.62	0.061874	0.398248	AT3G57030	strictosidine synthase family protein
13338352	5.37	4.1	2.4	0.053034	0.383278	AT1G10490	hypothetical protein
13444543	5.37	4.37	1.99	0.004678	0.264056	AT3G04470	ankyrin repeat-containing protein
13398329	5.37	4.41	1.95	0.092416	0.429659	AT2G28590	protein kinase-like protein
13341093	5.37	4.45	1.89	0.015929	0.315398	AT1G16930	F-box/RNI-like/FBD-like domains-containing protein
13424332	5.37	4.46	1.88	0.054665	0.386003	AT3G04890	hypothetical protein
13476082	5.37	4.45	1.88	0.22935	0.526986	AT4G31440	hypothetical protein
13421378	5.37	4.5	1.83	0.366203	0.590066	ARABIDILLO-1	protein ARABIDILLO 1
13366803	5.37	4.53	1.79	0.203235	0.510622	AT1G11780; AT1G11770	alpha-ketoglutarate-dependent dioxygenase alkB; FAD-binding and BBE domain-containing protein
13480353	5.37	4.55	1.77	0.295559	0.561114	AT4G00980	zinc knuckle (CCHC-type) family protein

13358555	5.37	4.67	1.63	0.211311	0.516596	LPA3; AT1G73066	low PSII accumulation 3 protein; Leucine-rich repeat family protein
13409442	5.37	4.69	1.61	0.047858	0.37767	AT2G16870	TIR-NBS-LRR class disease resistance protein
13528223	5.37	4.68	1.61	0.259684	0.542423	AT5G19370	rhodanese and PPIC-type PPIASE domain-containing protein
13501578	5.37	4.75	1.54	0.369265	0.591437	AT5G14790	armadillo/beta-catenin-like repeat-containing protein
13471420	5.37	4.76	1.52	0.373741	0.592616	AT4G21060	Galactosyltransferase family protein
13442580	5.37	4.79	1.5	0.140603	0.46711	AT3G62190	chaperone DnaJ domain-containing protein
13476601	5.37	4.81	1.47	0.262116	0.543595	AT4G32560; TIFY8	paramyosin-related protein; protein TIFY 8
13507996	5.37	4.97	1.32	0.541842	0.693664	AT5G38220	hydrolase
13375918	5.37	4.99	1.3	0.531935	0.687511	AT1G38065; AT1G38131	O-fucosyltransferase-like protein
13371415	5.37	5.01	1.28	0.037379	0.360826	CSN5A	COP9 signalosome complex subunit 5b
13379107	5.37	5.01	1.28	0.19023	0.503959	AT1G53560	Ribosomal protein L18ae family
13375220	5.37	5.04	1.26	0.140055	0.466502	MOS2	protein MOS2
13528812	5.37	5.04	1.26	0.375264	0.593207	AT5G20635	hypothetical protein
13467862	5.37	5.08	1.22	0.235248	0.529705	AT4G12670	DNA binding protein
13430392	5.37	5.1	1.2	0.337255	0.577005	AT3G19080	SWIB complex BAF60b domain-containing protein
13441640	5.37	5.13	1.19	0.175688	0.492347	AT3G60200	hypothetical protein
13473385	5.37	5.13	1.19	0.388384	0.599123	AT4G25410	basic helix-loop-helix domain-containing protein
13478117	5.37	5.12	1.19	0.482798	0.653594	AT4G35730	Regulator of Vps4 activity in the MVB pathway protein
13359951	5.37	5.17	1.15	0.465004	0.644046	AT1G76780	HSP20-like chaperone
13505310	5.37	5.19	1.13	0.484568	0.654458	IRE1-1	protein inositol requiring 1-1
13505542	5.37	5.25	1.09	0.816756	0.882955	AT5G25170; CYP71B14	PPPDE putative thiol peptidase family protein; cytochrome P450 71B14
13397059	5.37	5.32	1.04	0.897511	0.936817	AT2G25590	tudor-like protein
13409276	5.37	5.31	1.04	0.914063	0.947902	MCM4	minichromosome maintenance protein 4 (cell division control protein 54)
13431329	5.37	5.32	1.03	0.884903	0.929733	AT3G21060	transducin/WD40 domain-containing protein
13483296	5.37	5.33	1.03	0.874557	0.922449	AT4G11800	calcineurin-like phosphoesterase domain-containing protein
13408601	5.37	5.34	1.02	0.927697	0.956199	AT2G12646	PLATZ transcription factor family protein
13378060	5.37	5.4	-1.02	0.923209	0.953659	ETFALPHA	Electron transfer flavoprotein subunit alpha
13493052	5.37	5.41	-1.02	0.919485	0.951337	AT4G33490	aspartyl protease family protein
13378753	5.37	5.41	-1.03	0.864577	0.91547	AT1G52630	O-fucosyltransferase family protein
13484537	5.37	5.47	-1.07	0.66041	0.775088	AT4G14360; AT4G14358	putative methyltransferase PMT3; hypothetical protein
13430121	5.37	5.49	-1.09	0.757386	0.841171	ALMT9	aluminum-activated malate transporter 9
13490671	5.37	5.53	-1.12	0.617731	0.745299	AT4G28060	cytochrome c oxidase, subunit 6b
13529776	5.37	5.55	-1.13	0.439172	0.629244	AT5G23170	serine/threonine-protein kinase-like protein
13539026	5.37	5.61	-1.18	0.030238	0.350098	PMEPCRF	Putative pectinesterase/pectinesterase inhibitor 61
13335526	5.37	5.83	-1.37	0.340034	0.578063	AT1G03960	calcium-binding EF-hand-containing protein
13385338	5.37	5.86	-1.4	0.27356	0.550181	AGO7	argonaute-like protein

13522317	5.37	6.03	-1.59	0.663989	0.776864	AT5G05480; EIF2 ALPHA	Peptide-N4-(N-acetyl-beta-glucosaminyl)asparagine amidase A protein; translation initiation factor eIF-2 alpha subunit
13502015	5.37	6.42	-2.08	0.022132	0.326278	AT5G15910	dehydrogenase-related protein
13545327	5.37	7.05	-3.21	0.426214	0.620795	ArthMp076; ArthMp077	hypothetical protein
13408326	5.37	7.41	-4.12	0.448535	0.635002	AT2G07692; ArthMp106; AT3G47020	hypothetical protein; putative F-box protein
13395757	5.37	7.58	-4.61	0.245373	0.535223		
13433687	5.37	7.58	-4.61	0.245373	0.535223		
13479666	5.37	7.58	-4.61	0.245373	0.535223		
13498171	5.37	7.58	-4.61	0.245373	0.535223		
13501743	5.37	7.58	-4.61	0.245373	0.535223		
13507958	5.37	7.58	-4.61	0.245373	0.535223		
13540265	5.37	7.58	-4.61	0.245373	0.535223		
13517686	5.37	7.8	-5.38	0.013761	0.309482	MYB34	myb domain protein 34
13443544	5.36	3.91	2.74	0.001259	0.242634	TMAC2	Ninja-family protein AFP4
13387280	5.36	4.43	1.91	0.163519	0.485314		
13470427	5.36	4.48	1.84	0.149713	0.472607	AT4G18530	hypothetical protein
13515821	5.36	4.56	1.74	0.007596	0.290374	AT5G56590	glucan endo-1,3-beta-glucosidase 13
13533005	5.36	4.66	1.63	0.039178	0.364658	AT5G37590	tetratricopeptide repeat domain-containing protein
13406903	5.36	4.71	1.58	0.25671	0.540917	PUX2	UBX domain-containing protein 2
13521546	5.36	4.71	1.57	0.107918	0.439862	AT5G03450	transducin/WD40 domain-containing protein
13502805	5.36	4.78	1.5	0.258113	0.541251	AT5G17910	hypothetical protein
13345693	5.36	4.78	1.49	0.045628	0.376165	AT1G29040; AT1G29041	hypothetical protein
13503787	5.36	4.79	1.48	0.009929	0.296261	AT5G19970	hypothetical protein
13362277	5.36	4.81	1.47	0.222302	0.523484	AT1G02260	Divalent ion symporter
13385748	5.36	4.83	1.44	0.014777	0.313095	AT1G70470	hypothetical protein
13541339	5.36	4.84	1.43	0.104192	0.4366	UBC7	ubiquitin carrier protein 7
13518292	5.36	4.85	1.42	0.319077	0.570076	AT5G62290	nucleotide-sensitive chloride conductance regulator family protein
13492367	5.36	4.86	1.41	0.08531	0.420052	AT4G32250	protein kinase family protein
13342029	5.36	4.92	1.35	0.055025	0.38707	AT1G18940	nodulin-like and major facilitator domain-containing protein
13345189	5.36	4.94	1.34	0.181415	0.49681	AT1G27590	hypothetical protein
13421541	5.36	4.95	1.33	0.21778	0.520626	AT2G45320	hypothetical protein
13509980	5.36	4.96	1.32	0.119604	0.450566	DCI1	delta(3,5),delta(2,4)-dienoyl-CoA isomerase 1
13508045	5.36	4.97	1.3	0.059675	0.395062	AT5G38380	hypothetical protein
13353752	5.36	5.04	1.25	0.622807	0.748673	ULP1D	ubiquitin-like-specific protease 1D
13364759	5.36	5.23	1.09	0.59994	0.732229	AT1G07615	GTP-binding protein Obg/CgtA
13544679	5.36	5.28	1.06	0.11527	0.446247	ARA12	subtilisin-like protease
13525563	5.36	5.3	1.04	0.880653	0.926961	AT5G13340	hypothetical protein
13497242	5.36	5.38	-1.01	0.891062	0.933121	AT5G04060	putative methyltransferase PMT7
13484034	5.36	5.46	-1.08	0.564312	0.70892	SUVH9	putative histone-lysine N-methyltransferase, H3 lysine-9 specific SUVH9

13406369	5.36	5.49	-1.1	0.556838	0.70384	SWI3A	SWI/SNF complex subunit SWI3A
13407172	5.36	5.58	-1.16	0.593696	0.728967	PP2-B10	F-box protein PP2-B10
13426763	5.36	5.69	-1.25	0.700085	0.802733	AT3G11250	60S acidic ribosomal protein P0-3
13381429	5.36	5.69	-1.26	0.242408	0.534006	AT1G60610	putative S-ribonuclease binding protein SBP1
13335615	5.36	5.91	-1.46	0.246297	0.535608	XIB	myosin XI B
13422000	5.36	5.98	-1.53	0.120309	0.451699	CPC	transcription factor CPC
13468536	5.36	6.07	-1.63	0.11105	0.442513	IAA1	auxin-responsive protein IAA1
13344503	5.35	3.63	3.29	0.009557	0.296261	AT1G25460	Rossmann-fold NAD(P)-binding domain-containing protein
13474782	5.35	3.97	2.6	0.056608	0.389762	AT4G28650	putative leucine-rich repeat transmembrane protein kinase
13486623	5.35	4.1	2.37	0.077847	0.413069	RABA1d	RAB GTPase homolog A1D
13537955	5.35	4.29	2.09	0.197961	0.507882	HSD1	hydroxysteroid dehydrogenase 1
13538001	5.35	4.3	2.06	0.204488	0.511362	HSD1	hydroxysteroid dehydrogenase 1
13463882	5.35	4.36	1.98	0.179075	0.494636	MEE50	maternal effect embryo arrest 50 protein
13505485	5.35	4.49	1.82	0.078701	0.414078	AT5G25050	major facilitator protein
13445038	5.35	4.51	1.79	0.044757	0.374597	AT3G05580	serine/threonine-protein phosphatase PP1 isozyme 9
13385020	5.35	4.61	1.67	0.052692	0.382994	AT1G68730	Zim17-type zinc finger protein
13357418	5.35	4.63	1.66	0.181849	0.496969		
13538868	5.35	4.77	1.5	0.053643	0.384062	AT5G53010	putative calcium-transporting ATPase
13468120	5.35	4.77	1.49	0.153855	0.476554	MEE55	Serinc-domain containing serine and sphingolipid biosynthesis protein
13404563	5.35	4.8	1.47	0.049565	0.378802	AT2G43550	defensin-like protein 197
13521489	5.35	4.83	1.44	0.422941	0.618789	AT5G03340	cell division control protein 48-e
13376690	5.35	4.85	1.41	0.288442	0.557599	PEX11A; AT1G47740	peroxisomal membrane protein 11A; PPPDE putative thiol peptidase family protein
13367003	5.35	4.86	1.4	0.216254	0.519792	AT1G12310	putative calcium-binding protein CML13
13458178	5.35	4.9	1.37	0.206783	0.513335	AT3G50210	2-oxoglutarate-Fe(II)-dependent oxygenase domain-containing protein
13413936	5.35	4.95	1.32	0.096787	0.43273	AT2G27790	RNA recognition motif-containing protein
13373834	5.35	4.96	1.31	0.325832	0.573502	RKF1	putative LRR receptor-like serine/threonine-protein kinase RFK1
13470674	5.35	4.96	1.31	0.324478	0.573034	AT4G19090	hypothetical protein
13358840	5.35	5.16	1.14	0.010374	0.296261	AT1G73740	UDP-N-acetylglucosamine--N-acetylmuramyl-(pentapeptide) pyrophosphoryl-undecaprenol N-acetylglucosamine transferase
13340577	5.35	5.23	1.08	0.801189	0.871869	AT1G15910	XH/XS domain-containing protein
13444862	5.35	5.28	1.06	0.599272	0.731685	AT3G05130	hypothetical protein
13490441	5.35	5.27	1.06	0.874599	0.92246	AT4G27595	hypothetical protein
13440837	5.35	5.27	1.05	0.738231	0.828265	AT3G58110	hypothetical protein
13516122	5.35	5.28	1.05	0.750849	0.836739	CYP81F2	cytochrome P450, family 81, subfamily F, polypeptide 2
13432039	5.35	5.37	-1.01	0.981689	0.989199	CIPK7	CBL-interacting serine/threonine-protein kinase 7
13484892	5.35	5.39	-1.03	0.817792	0.883541	CYP97B3	cytochrome P450 97B3
13510494	5.35	5.41	-1.04	0.849726	0.905369		

13542989	5.35	5.44	-1.07	0.53961	0.692057	FLS4	flavonol synthase 4
13409026	5.35	5.52	-1.13	0.813195	0.880549	FUT5	xyloglucan fucosyltransferase
13345436	5.35	5.56	-1.15	0.079949	0.414259	AT1G28090	tRNA nucleotidyltransferase (CCA-adding enzyme)
13459439	5.35	5.56	-1.16	0.021699	0.325596	AT3G53370	DNA-binding protein S1FA1
13406338	5.35	6.04	-1.61	0.009989	0.296261	AT2G47550; AT2G47560	pectinesterase 20; RING-H2 finger protein ATL64
13436498	5.35	6.22	-1.83	0.063042	0.398838	TCP14	transcription factor TCP14
13519988	5.35	6.45	-2.14	0.19321	0.505856	AT5G65990	Transmembrane amino acid transporter family protein
13367077	5.35	7.78	-5.4	0.334138	0.576298		
13369278	5.35	7.78	-5.4	0.334138	0.576298		
13371927	5.35	7.78	-5.4	0.334138	0.576298		
13374292	5.35	7.78	-5.4	0.334138	0.576298		
13435941	5.35	7.78	-5.4	0.334138	0.576298		
13435951	5.35	7.78	-5.4	0.334138	0.576298		
13437593	5.35	7.78	-5.4	0.334138	0.576298		
13441519	5.35	7.78	-5.4	0.334138	0.576298		
13467678	5.35	7.78	-5.4	0.334138	0.576298		
13496575	5.35	7.78	-5.4	0.334138	0.576298		
13499677	5.35	7.78	-5.4	0.334138	0.576298		
13519277	5.35	7.78	-5.4	0.334138	0.576298		
13541535	5.35	7.78	-5.4	0.334138	0.576298		
13533137	5.35	7.81	-5.52	0.001821	0.253459	AT5G37990	S-adenosyl-L-methionine-dependent methyltransferase-like protein
13522305	5.34	4.07	2.42	0.148915	0.471967	AT5G05400	LRR and NB-ARC domain-containing disease resistance protein
13367355	5.34	4.47	1.83	0.131526	0.461561	AT1G13195	RING/U-box domain-containing protein
13513815	5.34	4.5	1.8	0.097755	0.433275	AT5G51970	L-iditol 2-dehydrogenase
13465819	5.34	4.51	1.78	0.084327	0.418249	PCFS4	PCF11P-similar protein 4
13519719	5.34	4.53	1.75	0.085986	0.421244	UBP17	ubiquitin carboxyl-terminal hydrolase 17
13360895	5.34	4.55	1.73	0.060619	0.396635	LUP2	lupeol synthase 2
13442673	5.34	4.58	1.69	0.30098	0.563852	AT3G62560	GTP-binding protein SAR1
13439184	5.34	4.6	1.67	0.077995	0.413326	AT3G54030	Protein kinase protein with tetratricopeptide repeat domain
13481358	5.34	4.76	1.49	0.010213	0.296261	AT4G03340	Core-2/I-branching beta-1,6-N-acetylglucosaminyltransferase family protein
13448660	5.34	4.81	1.45	0.047087	0.377606	AT3G13030	hAT dimerization domain-containing protein
13436333	5.34	4.82	1.44	0.141651	0.467992	AT3G47210	hypothetical protein
13497252	5.34	4.81	1.44	0.063996	0.40044	AT5G04070	Rossmann-fold NAD(P)-binding domain-containing protein
13485828	5.34	4.83	1.42	0.402371	0.607072	FIP2	FRIGIDA interacting protein 2
13351485	5.34	4.85	1.41	0.194547	0.505856	AT1G53110	putative proton pump interactor protein
13404624	5.34	4.85	1.4	0.163414	0.485132	AT2G43760	Molybdopterin synthase catalytic subunit
13407433	5.34	4.87	1.39	0.13357	0.463251	AT2G03260	phosphate transporter PHO1-2
13431908	5.34	4.89	1.36	0.351737	0.582708	AT3G22520	hypothetical protein
13439691	5.34	4.91	1.34	0.305098	0.565001	PHIP1	phragmoplastin interacting protein 1
13348913	5.34	4.93	1.32	0.205494	0.512399	AT1G44960	SNARE associated Golgi protein family

13376251	5.34	4.95	1.31	0.148157	0.471967	AT1G44120	armadillo/beta-catenin-like repeat and C2 calcium/lipid-binding domain-containing protein
13401264	5.34	4.94	1.31	0.121355	0.452303	AT2G35800	mitochondrial substrate carrier family protein
13386146	5.34	4.96	1.3	0.358544	0.585867	HGPT	hypoxanthine phosphoribosyltransferase
13516201	5.34	5.01	1.26	0.124912	0.454089	ZTL	adagio protein 1
13370424	5.34	5.07	1.21	0.266879	0.546471	AT1G20410	Pseudouridine synthase family protein
13398742	5.34	5.06	1.21	0.490458	0.658717	UGT71D1	UDP-glucosyl transferase 71D1
13353864	5.34	5.09	1.19	0.002476	0.253459	MEE9	maternal effect embryo arrest 9 protein
13398049	5.34	5.09	1.19	0.200583	0.509845	FUC1	alpha-L-fucosidase 1
13382108	5.34	5.12	1.17	0.361352	0.5879	PPR336	pentatricopeptide repeat-containing protein
13520275	5.34	5.12	1.17	0.504606	0.668451	CHR1	chromatin remodeling 1
13381958	5.34	5.14	1.15	0.491507	0.659318	AT1G61490	putative S-locus protein kinase
13451889	5.34	5.16	1.13	0.289859	0.558085	04-Oct	organic cation/carnitine transporter4
13350405	5.34	5.17	1.12	0.685599	0.791936	HKL1	hexokinase
13398130	5.34	5.18	1.11	0.650676	0.767888	NCRK	protein kinase domain-containing protein
13490930	5.34	5.19	1.11	0.544666	0.695513	AT4G28820	HIT-type zinc finger protein
13489381	5.34	5.21	1.09	0.315134	0.568201	AT4G25315	hypothetical protein
13376942	5.34	5.27	1.05	0.755305	0.839888	AT1G48320	thioesterase-like protein
13381739	5.34	5.27	1.05	0.415377	0.614531	AT1G61065	hypothetical protein
13531509	5.34	5.27	1.05	0.722622	0.817944	PNC2	peroxisomal adenine nucleotide carrier 2
13367342	5.34	5.29	1.03	0.881621	0.927615	ORP1D	oxysterol binding protein-related protein 1D
13450134	5.34	5.33	1.01	0.980251	0.988256	EMB2083	AAA-type ATPase family protein
13406765	5.34	5.37	-1.02	0.904564	0.941609	AT2G01330	nucleotide binding protein
13406793	5.34	5.37	-1.02	0.958001	0.975066	AT2G01410; AT2G01400	NHL domain-containing protein; hypothetical protein
13484987	5.34	5.41	-1.05	0.854254	0.908505	PEN1	arabidiol synthase
13357920	5.34	5.44	-1.07	0.851041	0.906007	SOL1	putative carboxypeptidase D
13429874	5.34	5.49	-1.11	0.773943	0.852635	MPK9	mitogen-activated protein kinase 9
13473895	5.34	5.57	-1.17	0.479005	0.651574	AT4G26600	S-adenosyl-L-methionine-dependent methyltransferase-like protein
13510901	5.34	5.63	-1.23	0.204658	0.511475	AT5G45469	hypothetical protein
13442875	5.34	5.71	-1.29	0.098471	0.433275	NEK4	serine/threonine-protein kinase Nek4
13485979	5.34	5.9	-1.47	0.031952	0.352653	AT4G17280	putative auxin-responsive protein
13360218	5.34	6.19	-1.8	0.038228	0.363017	NAC032	NAC domain containing protein 32
13443661	5.33	2.76	5.97	0.067991	0.406175	RTFL19	protein rotundifolia like 19
13382670	5.33	4.08	2.37	0.001883	0.253459	AT1G63295	Remorin family protein
13459467	5.33	4.29	2.06	0.175734	0.492347	AT3G53450	cytokinin riboside 5'-monophosphate phosphoribohydrolase LOG4
13496236	5.33	4.28	2.06	0.26796	0.546492	AT5G01610	hypothetical protein
13507604	5.33	4.4	1.9	0.064636	0.401596	DegP10	protease Do-like 10
13370760	5.33	4.52	1.75	0.042063	0.368598	AT1G21120	O-methyltransferase family protein
13436502	5.33	4.6	1.65	0.167823	0.487049	PYE	transcription factor bHLH47
13397722	5.33	4.64	1.62	0.299947	0.562938	AAO3; AT2G27160	abscisic-aldehyde oxidase; hypothetical protein
13475923	5.33	4.78	1.47	0.201886	0.510189	AT4G31210	DNA topoisomerase, type IA, core
13478200	5.33	4.79	1.45	0.069873	0.406426	AT4G35870	early-responsive to dehydration stress protein (ERD4)
13371404	5.33	4.8	1.44	0.017446	0.319218	AT1G22850	SNARE associated Golgi protein family

13491634	5.33	4.86	1.38	0.17837	0.494435	ATS2	1-acyl-sn-glycerol-3-phosphate acyltransferase 1
13378169	5.33	4.94	1.31	0.476025	0.649833	SPP1	sucrose-phosphatase 1
13404461	5.33	4.94	1.31	0.301415	0.563858	AT2G43280	far-red impaired responsive 1-like protein
13457991	5.33	4.97	1.28	0.376056	0.593207	AT3G49730	pentatricopeptide repeat-containing protein
13478646	5.33	5	1.26	0.432578	0.625001	MAP1D	methionine aminopeptidase 1D
13356013	5.33	5.11	1.17	0.587185	0.72546	AT1G67060	hypothetical protein
13433125	5.33	5.1	1.17	0.564744	0.709293	AT3G25545	hypothetical protein
13458197	5.33	5.15	1.14	0.144628	0.469814	KICP-02	ATP binding microtubule motor family protein
13397923	5.33	5.2	1.09	0.785567	0.860789	IPT2	tRNA dimethylallyltransferase 2
13407782	5.33	5.26	1.05	0.83848	0.898186	AT2G04520	OB-fold nucleic acid binding domain-containing protein
13484714	5.33	5.28	1.04	0.879984	0.926533	AT4G14746	hypothetical protein
13451531	5.33	5.3	1.02	0.91961	0.951389	NTMC2T5.2	calcium-dependent lipid-binding domain-containing protein
13496822	5.33	5.43	-1.07	0.888253	0.931602	AT5G03090	hypothetical protein
13526754	5.33	5.47	-1.1	0.305502	0.565001	AT5G16040	regulator of chromosome condensation repeat-containing protein
13428603	5.33	5.65	-1.25	0.157697	0.480231	AT3G15357	hypothetical protein
13376534	5.33	5.74	-1.33	0.290645	0.5586	WOX4	WUSCHEL-related homeobox 4
13488774	5.33	5.85	-1.43	0.093109	0.429815	AT4G24140	hydrolase, alpha/beta fold family protein
13431299	5.33	5.86	-1.44	0.000005	0.104236	CYP705A30	cytochrome P450, family 705, subfamily A, polypeptide 30
13440923	5.33	5.97	-1.56	0.1602	0.482731	AT3G58510	DEAD-box ATP-dependent RNA helicase 11
13429915	5.33	6.27	-1.92	0.283679	0.555903	BGLU44	beta-glucosidase 44
13526284	5.33	6.84	-2.85	0.034516	0.355201	MYB66	transcription factor WER
13388446	5.33	7.21	-3.69	0.328136	0.574416		
13473036	5.33	7.21	-3.69	0.328136	0.574416		
13437868	5.33	8.22	-7.41	0.002099	0.253459	LTI30	dehydrin Xero 2
13521596	5.32	3.63	3.24	0.106206	0.438177		
13377092	5.32	3.94	2.6	0.109346	0.440715	ATHAL3B	putative phosphopantothenoylcysteine decarboxylase
13544505	5.32	4.05	2.42	0.091814	0.429207	AT5G66910	CC-NBS-LRR class disease resistance protein
13453908	5.32	4.28	2.06	0.018946	0.321499	AT3G26410	methyltransferase / nucleic acid binding protein
13407587	5.32	4.58	1.67	0.081352	0.416553	SOT12	flavonol sulfotransferase-like protein
13458344	5.32	4.62	1.62	0.019712	0.322692	AT3G50620	nodulation-related protein
13416384	5.32	4.66	1.58	0.267304	0.546492	AT2G33500	zinc finger protein CONSTANS-LIKE 14
13468268	5.32	4.76	1.47	0.162284	0.484293	NOV	Histidine kinase-, DNA gyrase B-, and HSP90-like ATPase family protein
13510863	5.32	4.79	1.44	0.237319	0.531342	DUR3	solute:sodium symporter
13480905	5.32	4.83	1.4	0.015829	0.315359	AT4G02405; AT4G02400	leucine carboxyl methyltransferase domain-containing protein; U3 ribonucleoprotein-like protein
13430768	5.32	4.84	1.4	0.200611	0.509845	ATM1	myosin 1
13412196	5.32	4.87	1.36	0.454707	0.6381	eIFiso4G2	MIF4G and MA3 domain-containing protein
13345360	5.32	4.88	1.35	0.398511	0.605002	MAP65-8	microtubule-associated protein 65-8

13416753	5.32	4.91	1.33	0.793934	0.866948	NIP2;1	aquaporin NIP2-1
13448351	5.32	4.92	1.32	0.453584	0.637279	AT3G12370	large subunit ribosomal protein L10
13534659	5.32	4.94	1.3	0.04198	0.368598	PAF1	proteasome subunit alpha type-1-A
13433616	5.32	4.95	1.29	0.107526	0.439497	AT3G26700	protein kinase family protein
13527005	5.32	4.96	1.29	0.566721	0.710763	GLN1;4	glutamine synthetase cytosolic isozyme 1-4
13379911	5.32	4.97	1.28	0.037215	0.360586	AT1G55590	F-box protein At-B
13367293	5.32	4.96	1.28	0.489153	0.65792	EIF4B2	eukaryotic initiation factor 4B2
13442359	5.32	5.04	1.21	0.098242	0.433275	AT3G61610	glucose-6-phosphate 1-epimerase
13496748	5.32	5.07	1.19	0.632115	0.754867	AT5G02860	pentatricopeptide repeat-containing protein
13476031	5.32	5.1	1.17	0.142618	0.46872	AT4G31390	uncharacterized aarF domain-containing protein kinase
13504862	5.32	5.09	1.17	0.348313	0.580705	STE14A	protein-S-isoprenylcysteine O-methyltransferase A
13534959	5.32	5.11	1.16	0.382432	0.597016		
13484794	5.32	5.12	1.14	0.542713	0.694251	HISN5B	Imidazoleglycerol-phosphate dehydratase 2
13504615	5.32	5.15	1.12	0.738502	0.828387	MGT10	magnesium transporter MRS2-11
13439383	5.32	5.23	1.07	0.885939	0.93018	HAG1	histone acetyltransferase GCN5
13444311	5.32	5.35	-1.02	0.944011	0.966566	APK3	adenylylsulfate kinase
13539006	5.32	5.37	-1.03	0.892069	0.933616	AT5G53320; AT5G53310	putative inactive receptor kinase; myosin heavy chain-related protein
13404105	5.32	5.5	-1.14	0.504658	0.668458	LBD16	LOB domain-containing protein 16
13486776	5.32	5.55	-1.17	0.101954	0.435457	AT4G19070	cadmium-induced protein AS8
13399269	5.32	5.56	-1.18	0.229973	0.527363	CDT1A	CDT1A-like protein
13456801	5.32	5.55	-1.18	0.344346	0.579452	SOS5	fasciclin-like arabinogalactan protein 4
13428607	5.32	5.57	-1.19	0.201277	0.510163	TRX-M4	thioredoxin M4
13528212	5.32	5.6	-1.21	0.355411	0.584538	AT5G19340	hypothetical protein
13400476	5.32	5.64	-1.24	0.017461	0.319218	AT2G34170; CIPK13	hypothetical protein; CBL-interacting serine/threonine-protein kinase 13
13380376	5.32	5.65	-1.25	0.341723	0.578744	AT1G56320; AT1G56310	hypothetical protein; 3'-5' exonuclease domain-containing protein
13522533	5.32	5.77	-1.37	0.532554	0.687596	AT5G06043	hypothetical protein
13518640	5.32	5.79	-1.39	0.231123	0.527791	AT5G63040	hypothetical protein
13429827	5.32	5.85	-1.45	0.381242	0.596438	AT3G17950	hypothetical protein
13412055	5.32	6.22	-1.86	0.030509	0.350098	MES3	methyl esterase 3
13447650	5.32	6.32	-2	0.009647	0.296261	AT3G10930	hypothetical protein
13420998	5.32	6.68	-2.56	0.058947	0.394585	HOL1	thiocyanate methyltransferase 1
13522293	5.32	7.08	-3.39	0.044601	0.374597	AT5G05340	peroxidase 52
13373504	5.31	3.49	3.52	0.000725	0.212884	AT1G29020	EF-hand, calcium binding motif-containing protein
13531414	5.31	3.82	2.81	0.024584	0.333211	GLR2.1	glutamate receptor 2.1
13387928	5.31	4.04	2.41	0.069803	0.406403	AT1G76065	LYR family of Fe/S cluster biogenesis protein
13362298	5.31	4.07	2.35	0.044508	0.374597	TOC33	translocase of chloroplast 33
13488596	5.31	4.24	2.1	0.094104	0.430637	AT4G23510	TIR-NBS-LRR class disease resistance protein
13368407	5.31	4.41	1.87	0.135217	0.464032	AT1G15400	hypothetical protein
13402138	5.31	4.45	1.81	0.038759	0.364658	AT2G37930	hypothetical protein
13502938	5.31	4.5	1.75	0.033775	0.354018	AT5G18250	hypothetical protein
13533128	5.31	4.56	1.68	0.070034	0.406528	AT5G37930	E3 ubiquitin-protein ligase SINA-like 10
13489345	5.31	4.62	1.62	0.185982	0.500322	AT4G25225	hypothetical protein

13375678	5.31	4.64	1.59	0.231028	0.527788	AT1G35470	SPla/RYanodine receptor (SPRY) domain-containing protein
13380099	5.31	4.64	1.59	0.294728	0.560723	AT1G55880	cysteine synthase A
13496360	5.31	4.67	1.56	0.06828	0.406394	ROPGEF7	RHO guanyl-nucleotide exchange factor 7
13387596	5.31	4.7	1.53	0.137061	0.465661	AT1G75180	Erythronate-4-phosphate dehydrogenase family protein
13414480	5.31	4.74	1.48	0.008778	0.293015	PUM2	pumilio 2
13481035	5.31	4.76	1.46	0.074747	0.410456	AT4G02660	Beige/BEACH and WD40 domain-containing protein
13384998	5.31	4.79	1.44	0.442241	0.630861	AT1G68660	ATP-dependent Clp protease adaptor protein ClpS
13473409	5.31	4.82	1.41	0.419701	0.617191	SLK3	protein SEUSS-like 3
13375419	5.31	4.83	1.4	0.276657	0.551431	AT1G34220	Regulator of Vps4 activity in the MVB pathway protein
13520596	5.31	4.82	1.4	0.475387	0.649523	DG1	delayed greening 1 protein
13531216	5.31	4.83	1.4	0.282794	0.555558	emb1138	DEAD-box ATP-dependent RNA helicase 3
13384829	5.31	4.87	1.36	0.54467	0.695513	AT1G68160	hypothetical protein
13512617	5.31	4.9	1.33	0.433783	0.625509	bZIP1; CPuORF4	basic leucine-zipper 1; conserved peptide upstream open reading frame 4
13351404	5.31	4.92	1.31	0.147763	0.4719	AT1G52910	hypothetical protein
13423234	5.31	4.92	1.31	0.394246	0.602714	AT3G02280	flavodoxin-like protein
13343739	5.31	4.94	1.29	0.188684	0.502829	AT1G23180	armadillo/beta-catenin-like repeat-containing protein
13412424	5.31	4.96	1.28	0.178821	0.494636	AT2G24580	putative sarcosine oxidase
13489451	5.31	5.01	1.23	0.091409	0.428598	NAP8	ABC transporter B family member 28
13473230	5.31	5.05	1.2	0.35179	0.582708	CHLM	magnesium-protoporphyrin IX methyltransferase
13396708	5.31	5.1	1.15	0.253735	0.539541	AFR	F-box protein AFR
13405700	5.31	5.14	1.12	0.355381	0.584538	BAG6	BCL-2-associated athanogene 6
13367699	5.31	5.28	1.03	0.898025	0.937003	AT1G14060	GCK domain-containing protein
13402619	5.31	5.27	1.02	0.67014	0.781046	AT2G38970	C3HC4-type RING finger-containing protein
13472628	5.31	5.3	1.01	0.883611	0.928949	AT4G23940	FtsH extracellular protease
13498522	5.31	5.4	-1.06	0.6021	0.733706	ATJ6	chaperone protein dnaJ 6
13508452	5.31	5.5	-1.14	0.48346	0.654049	RPL5B	60S ribosomal protein L5-2
13364981	5.31	5.54	-1.17	0.8004	0.871404	AT1G08050	C3HC4-type RING finger-containing protein
13476981	5.31	5.8	-1.41	0.512858	0.674141	AT4G33160	F-box only protein 13
13384482	5.3	3.85	2.74	0.088311	0.424663	AT1G67330	hypothetical protein
13497624	5.3	3.88	2.67	0.021094	0.324489	AT5G04840	bZIP protein
13447188	5.3	3.98	2.49	0.119833	0.450801	AT3G10080	germin-like protein subfamily 3 member 2
13379299	5.3	4.32	1.97	0.003696	0.255175	AT1G53980	ubiquitin-like protein
13335769	5.3	4.4	1.87	0.194499	0.505856	AT1G04480; emb2171; AT2G33370	60S ribosomal protein L23
13425499	5.3	4.44	1.82	0.013063	0.30516	AT3G07590	small nuclear ribonucleoprotein D1
13462051	5.3	4.6	1.63	0.122285	0.452662	AT3G59490	hypothetical protein
13462703	5.3	4.6	1.63	0.094964	0.43133	AT3G61100	Putative endonuclease or glycosyl hydrolase
13409645	5.3	4.64	1.58	0.022356	0.326849	RHA3A	RING-H2 finger protein ATL44
13337077	5.3	4.66	1.56	0.009493	0.296261	EXO70H6	exocyst complex component 7
13543182	5.3	4.73	1.48	0.387758	0.598939	TBL14	protein trichome birefringence-like 14

13520400	5.3	4.75	1.47	0.094113	0.430637	AT5G66985	hypothetical protein
13537096	5.3	4.78	1.44	0.023083	0.330115	AGL80	agamous-like MADS-box protein AGL80
13410622	5.3	4.86	1.36	0.3785	0.594477	AT2G19970	putative pathogenesis-related protein
13457357	5.3	4.89	1.33	0.460946	0.641973	EDS1	enhanced disease susceptibility 1 protein
13339808	5.3	5.1	1.15	0.377516	0.594094	AT1G13910	Leucine-rich repeat (LRR) family protein
13529458	5.3	5.13	1.13	0.047782	0.37767	AT5G22550	hypothetical protein
13426926	5.3	5.12	1.13	0.339191	0.57788	AT3G11600	hypothetical protein
13494808	5.3	5.12	1.13	0.256322	0.540737	AT4G37510; AT2G48121; RBCS1A	Ribonuclease III family protein; hypothetical protein; ribulose bisphosphate carboxylase small chain 1A
13499918	5.3	5.13	1.13	0.218789	0.520921	AT5G10370	helicase , IBR and zinc finger protein domain-containing protein
13395940	5.3	5.13	1.12	0.837806	0.897631	AT2G22560	Kinase interacting (KIP1-like) family protein
13360156	5.3	5.17	1.1	0.394375	0.602714	MEI1	topoisomerase (DNA) II binding protein 1
13437967	5.3	5.17	1.09	0.636408	0.758209	AT3G51180	zinc finger CCCH domain-containing protein 45
13529177	5.3	5.24	1.04	0.624126	0.749239	AT5G22020	strictosidine synthase family protein
13406863	5.3	5.27	1.02	0.932921	0.959301	CLE16	protein CLAVATA3/ESR-related 16
13436306	5.3	5.34	-1.03	0.845557	0.902671	ftsh7	cell division protease ftsH-7
13374825	5.3	5.37	-1.05	0.559098	0.705327	HSFA1D	heat stress transcription factor A-1d
13486558	5.3	5.41	-1.09	0.846533	0.903257	AT4G18550	lipase class 3 family protein
13434973	5.3	5.53	-1.17	0.666139	0.778342	AT3G42660	chromosome transmission fidelity protein 4
13449062	5.3	5.59	-1.23	0.29934	0.562613	AT3G13674	hypothetical protein
13465352	5.3	5.63	-1.26	0.481398	0.652743	AT4G03420	hypothetical protein
13389536	5.3	5.65	-1.28	0.188921	0.502829	AT1G79470	inosine-5'-monophosphate dehydrogenase
13539208	5.3	5.65	-1.28	0.524054	0.681826	AT5G54040	cysteine/histidine-rich C1 domain-containing protein
13464953	5.3	5.7	-1.31	0.409438	0.610961	XT2	xyloglucan 6-xylosyltransferase
13489656	5.3	5.74	-1.35	0.369231	0.591437	AT4G25890	60S acidic ribosomal protein P3-1
13405905	5.3	5.83	-1.44	0.441582	0.63033	CB5-C	cytochrome B5 isoform C
13431687	5.3	6.2	-1.87	0.021836	0.325596	CWLP	cell wall-plasma membrane linker protein
13474964	5.3	6.83	-2.89	0.077747	0.412995	XTH26	xyloglucan:xyloglucosyl transferase
13438564	5.3	6.93	-3.08	0.390518	0.600278	AT3G52520	hypothetical protein
13497047	5.3	7.42	-4.35	0.081741	0.416797	AT4	hypothetical protein
13409141	5.3	8.96	-12.61	0.002653	0.253459	AT2G16005	MD-2-related lipid recognition domain-containing protein
13406239	5.29	3.57	3.29	0.052744	0.383022	AT2G47420	dimethyladenosine transferase
13453944	5.29	4.05	2.36	0.070635	0.407344	PIRL2	plant intracellular ras group-related LRR 2
13390246	5.29	4.18	2.16	0.162786	0.484829	AT1G80850	methyladenine glycosylase-like protein
13503015	5.29	4.28	2.01	0.207752	0.513608	AT5G18540	hypothetical protein
13518629	5.29	4.3	1.99	0.072758	0.408418	AT5G63010; AT5G63020	transducin/WD40 domain-containing protein; CC-NBS-LRR class disease resistance protein
13351276	5.29	4.55	1.68	0.286602	0.557153	MMH-1	formamidopyrimidine-DNA glycosylase
13515828	5.29	4.55	1.68	0.177477	0.493515	AT5G56610	dual specificity protein phosphatase family protein
13361217	5.29	4.62	1.59	0.042314	0.368598	TED3	peroxin-2
13433180	5.29	4.65	1.55	0.343898	0.579276	AT3G25680	hypothetical protein
13507645	5.29	4.74	1.47	0.448919	0.635124	AT5G37070	hypothetical protein
13340917	5.29	4.79	1.42	0.048562	0.37767	AT1G16650	hypothetical protein

13428480	5.29	4.8	1.41	0.212158	0.517359	AT3G15160	hypothetical protein
13411403	5.29	4.81	1.4	0.226726	0.525438	AT2G21500	RING/U-box domain-containing protein
13430831	5.29	4.82	1.38	0.177995	0.493994	AT3G20010	SNF2 and helicase domain-containing protein
13489782	5.29	4.84	1.37	0.111758	0.443131	AT4G26240	hypothetical protein
13534306	5.29	4.88	1.32	0.050829	0.381425	AT5G41685; AT5G41680	mitochondrial import receptor subunit TOM7-1; probably inactive receptor-like protein kinase
13385405	5.29	4.91	1.31	0.366467	0.590194		
13478467	5.29	4.94	1.28	0.228307	0.526027	AT4G36710	scarecrow-like protein 15
13460905	5.29	4.95	1.26	0.254279	0.539615	AT3G56810	hypothetical protein
13534464	5.29	5	1.23	0.581285	0.721007	AT5G42140	Regulator of chromosome condensation (RCC1) family with FYVE zinc finger domain
13510342	5.29	5.03	1.2	0.57309	0.715015	AT5G44170	S-adenosyl-L-methionine-dependent methyltransferase-like protein
13425966	5.29	5.04	1.19	0.578245	0.718264	AT3G09030	BTB/POZ domain-containing protein
13382582	5.29	5.07	1.16	0.140159	0.466502	RFC2	replication factor C 2
13398991	5.29	5.07	1.16	0.655847	0.771761	AT2G30600; AT2G30615	BTB/POZ domain-containing protein; hypothetical protein
13391927	5.29	5.16	1.09	0.68142	0.788759	AT2G05755; AT2G05753	nodulin MtN21 /EamA-like transporter protein; hypothetical protein
13442384	5.29	5.19	1.08	0.583021	0.722313	AT3G61680	lipase class 3 family protein
13352573	5.29	5.2	1.07	0.46354	0.643319	ECT4	hypothetical protein
13541070	5.29	5.19	1.07	0.361609	0.5879	DDB2	DNA damage-binding protein 2
13389615	5.29	5.28	1.01	0.871442	0.920148	AT1G79600	aarF domain-containing kinase
13442549	5.29	5.27	1.01	0.926793	0.955853	AT3G62080	SNF7-like protein
13366201	5.29	5.42	-1.09	0.707334	0.807611	AT1G10530	hypothetical protein
13466523	5.29	5.64	-1.27	0.180117	0.495694	AT4G08960	phosphotyrosyl phosphatase activator (PTPA) family protein
13379373	5.29	5.77	-1.39	0.008594	0.293015	NF-YA5; AT1G54150	nuclear transcription factor Y subunit A-5; E3 ubiquitin ligase-like protein
13347243	5.29	5.78	-1.4	0.111251	0.442715	AT1G32928	hypothetical protein
13540766	5.29	5.85	-1.47	0.223764	0.524399	LRL3	transcription factor bHLH82
13346149	5.29	5.94	-1.57	0.100595	0.434659	AT1G30260	hypothetical protein
13411732	5.29	6.01	-1.65	0.18988	0.503557	AT2G22620	rhamnogalacturonate lyase-like protein
13503396	5.29	6.05	-1.7	0.145431	0.470097	AT5G19250	GPI-anchored glycoprotein membrane precursor
13456715	5.29	6.57	-2.43	0.00638	0.282486	AT3G46320; AT1G07820; AT1G07660; AT5G59970; AT5G59690; AT3G53730; AT3G45930; HIS4	histone H4
13387223	5.28	4.22	2.08	0.033066	0.354018	HSP101; AT1G74300	heat shock protein 101; esterase/lipase/thioesterase family protein
13344550	5.28	4.27	2.02	0.116706	0.446833	AT1G26090	P-loop containing nucleoside triphosphate hydrolase-like protein
13531124	5.28	4.35	1.9	0.175536	0.49233	AT5G26110	TP53 regulating kinase

13412220	5.28	4.37	1.87	0.089676	0.426754	SCA3	DNA-directed RNA polymerase 3
13478814	5.28	4.39	1.86	0.016038	0.315398	AT4G37550	formamidase
13418440	5.28	4.4	1.84	0.173113	0.490394	ATMAK3	peptide alpha-N-acetyltransferase
13522096	5.28	4.4	1.83	0.198142	0.508011	AT5G04860	hypothetical protein
13419541	5.28	4.5	1.73	0.278322	0.552987	AT2G40770	RING-finger, DEAD-like helicase, PHD and SNF2 domain-containing protein
13362099	5.28	4.51	1.71	0.037828	0.362165	AT1G01760	Adenosine-deaminase (editase) domain-containing protein
13471708	5.28	4.52	1.7	0.014389	0.313095	VAL3	B3 domain-containing transcription factor VAL3
13498433	5.28	4.55	1.66	0.125879	0.455038	AT5G06610	hypothetical protein
13423122	5.28	4.61	1.59	0.12524	0.454331	AT3G02060	putative DEAD/DEAH box helicase
13499510	5.28	4.61	1.59	0.124106	0.453788	AT5G09270	hypothetical protein
13511921	5.28	4.66	1.55	0.203066	0.510604	AT5G47860	hypothetical protein
13522001	5.28	4.64	1.55	0.109936	0.441206	AT5G04550	hypothetical protein
13367809	5.28	4.78	1.42	0.090706	0.427844	IQD28	IQ-domain 28 protein
13350934	5.28	4.81	1.39	0.110089	0.441206	MKK4	mitogen-activated protein kinase kinase 4
13481773	5.28	4.8	1.39	0.234625	0.529692	AT4G04940; DES-1-LIKE	transducin/WD40 domain-containing protein; sphingolipid delta-4 desaturase
13415307	5.28	4.84	1.36	0.079946	0.414259	RUS2	hypothetical protein
13425469	5.28	4.86	1.34	0.191768	0.504877	AT3G07530	integrator complex subunit 9
13421723	5.28	4.88	1.32	0.01305	0.30516	SSE1	peroxin-16
13508989	5.28	4.89	1.31	0.095951	0.431873	GLIP1	GDSL esterase/lipase 1
13472138	5.28	5.05	1.17	0.509117	0.671637	AT4G22730	leucine-rich repeat protein kinase-like protein
13482128	5.28	5.06	1.17	0.4683	0.645672	AT4G07990	chaperone DnaJ-domain containing protein
13335566	5.28	5.13	1.11	0.757451	0.84121	AT1G04030	hypothetical protein
13469237	5.28	5.16	1.09	0.78041	0.857153	AT4G15820	hypothetical protein
13397798	5.28	5.16	1.08	0.776112	0.854267	AT2G27260	late embryogenesis abundant hydroxyproline-rich glycoprotein
13414611	5.28	5.2	1.06	0.624402	0.749383	PHT4;1	sodium-dependent phosphate transport protein 1
13500157	5.28	5.21	1.05	0.839087	0.898566	KNAT4	homeobox protein knotted-1-like 4
13523269	5.28	5.23	1.03	0.779923	0.856845	CPuORF16; AT5G07840	ankyrin repeat-containing protein
13351810	5.28	5.26	1.02	0.697994	0.801152	AT1G53800	hypothetical protein
13531236	5.28	5.34	-1.04	0.881629	0.927615	AT5G26680	flap endonuclease-1
13414849	5.28	5.35	-1.05	0.766132	0.847134	AT2G30320	putative tRNA pseudouridine synthase
13445364	5.28	5.36	-1.05	0.816995	0.883051	AT3G06060	Rossmann-fold NAD(P)-binding domain-containing protein
13495894	5.28	5.38	-1.07	0.680539	0.788382	AT4G39925	AT hook motif DNA-binding family protein
13542791	5.28	5.38	-1.07	0.796198	0.868715	AT5G63135	hypothetical protein
13352067	5.28	5.41	-1.09	0.199211	0.508651	AT1G54350	ABC transporter D family member 2
13407475	5.28	5.55	-1.2	0.171489	0.489309	AT2G03350	hypothetical protein
13531466	5.28	5.84	-1.47	0.165286	0.485944	AT5G27395	Mitochondrial inner membrane translocase complex, subunit Tim44-related protein
13340503	5.28	5.85	-1.48	0.24779	0.536315	AT1G15710	prephenate dehydrogenase family protein
13462230	5.28	5.9	-1.53	0.391057	0.60059	AT3G59870	hypothetical protein
13511388	5.28	5.92	-1.55	0.262215	0.543595	AT5G46730	glycine-rich protein
13490792	5.28	6.03	-1.67	0.005471	0.277119	AT4G28360	Ribosomal protein L22p/L17e family protein

13474305	5.28	6.05	-1.71	0.064402	0.400956	AT4G27654	hypothetical protein
13358245	5.28	6.17	-1.85	0.126804	0.45642	AT1G72230	plastocyanin-like domain-containing protein
13541404	5.28	6.73	-2.73	0.029062	0.347859	AT5G59540	oxidoreductase, 2OG-Fe(II) oxygenase family protein
13521067	5.27	4.14	2.19	0.184671	0.499237	AT5G01940	translation initiation factor eIF-2 beta subunit
13503291	5.27	4.25	2.04	0.086278	0.421773	AT5G19080	RING/U-box domain-containing protein
13537130	5.27	4.29	1.97	0.007516	0.290374	AT5G48740; AT5G48730	putative LRR receptor-like serine/threonine-protein kinase; pentatricopeptide repeat-containing protein
13369366	5.27	4.31	1.94	0.178631	0.494539	AT1G17820; BETA-TIP	Putative integral membrane protein conserved region (DUF2404); putative aquaporin TIP3-2
13369435	5.27	4.57	1.62	0.137721	0.46568	AT1G17930	Aminotransferase-like, plant mobile domain family protein
13365944	5.27	4.61	1.58	0.424829	0.620168	HEMA2	glutamyl-tRNA reductase 2
13464559	5.27	4.61	1.58	0.081436	0.416553	AT4G01790; AGY1	Ribosomal protein L7Ae/L30e/S12e/Gadd45 family protein; preprotein translocase subunit secA
13349133	5.27	4.63	1.56	0.215497	0.519459	AT1G47271	Cystathionine beta-synthase (CBS) family protein
13395006	5.27	4.65	1.54	0.314468	0.568148	AT2G20410	RNA-binding ASCH domain protein
13376947	5.27	4.69	1.5	0.157227	0.479888	RHL1	DNA-binding protein RHL1
13452701	5.27	4.68	1.5	0.341338	0.578648	AT3G22790	kinase interacting KIP1-like protein
13349958	5.27	4.7	1.48	0.130853	0.460628	AT1G49350	pfkB-type carbohydrate kinase-like protein
13420769	5.27	4.74	1.45	0.373491	0.592523		
13449178	5.27	4.74	1.44	0.42131	0.617894	AT3G13910	hypothetical protein
13387549	5.27	4.76	1.43	0.187218	0.501665	JAC1	J-domain protein required for chloroplast accumulation response 1
13427672	5.27	4.83	1.35	0.216339	0.519792	AT3G13470	TCP-1/cpn60 chaperonin family protein
13497217	5.27	4.88	1.31	0.165296	0.485944	AT5G03990; AT5G03995	hypothetical protein
13427542	5.27	4.92	1.28	0.507483	0.670665	AT3G13230	RNA-binding protein PNO1
13382799	5.27	4.93	1.27	0.415231	0.614362	AT1G63670	hypothetical protein
13431450	5.27	4.95	1.24	0.733325	0.825524	AT3G21351	hypothetical protein
13345677	5.27	4.99	1.21	0.097006	0.433165	AT1G28760	hypothetical protein
13338166	5.27	5.06	1.16	0.31657	0.568553	SUT4	sucrose transporter 4
13403788	5.27	5.07	1.15	0.465503	0.644385	ARP	apurinic endonuclease-redox protein
13486924	5.27	5.11	1.12	0.796806	0.869179	AT4G19440	pentatricopeptide repeat-containing protein
13459606	5.27	5.12	1.11	0.004125	0.262292	GCP4	gamma-tubulin complex component 4-like protein
13343889	5.27	5.14	1.1	0.755198	0.839887	AT1G23710	hypothetical protein
13392649	5.27	5.14	1.09	0.293201	0.559559	AT2G13290	beta-1,4-N-acetylglucosaminyltransferase-like protein
13505470	5.27	5.16	1.08	0.754636	0.839454	AT5G25010	hypothetical protein
13385613	5.27	5.21	1.04	0.633467	0.756098	FH8	formin-like protein 8
13530882	5.27	5.21	1.04	0.775508	0.853865	DNMT2	DNA methyltransferase-2
13521469	5.27	5.22	1.03	0.800083	0.871192	UBQ3	polyubiquitin 3
13367209	5.27	5.24	1.02	0.761874	0.843926	AT1G12830	hypothetical protein
13459645	5.27	5.33	-1.04	0.780396	0.857153	AT3G53860	hypothetical protein
13404929	5.27	5.4	-1.09	0.621973	0.748059	BGLU17	beta glucosidase 17

13367421	5.27	5.43	-1.12	0.504691	0.668458	AT1G13340; AHP2	Regulator of Vps4 activity in the MVB pathway protein; homologous-pairing protein 2
13408577	5.27	5.44	-1.13	0.192416	0.505422	AT2G12461	hypothetical protein
13354627	5.27	5.49	-1.16	0.723249	0.818362	AT1G63170	E3 ubiquitin-protein ligase
13367610	5.27	5.5	-1.17	0.493318	0.660539	AT1G13750	putative inactive purple acid phosphatase 1
13348483	5.27	5.56	-1.23	0.481299	0.652743	AT1G42480	hypothetical protein
13343186	5.27	5.62	-1.28	0.280884	0.554531	LYM1	LysM domain-containing GPI-anchored protein 1
13347342	5.27	5.67	-1.32	0.152973	0.475771	AT1G33110	MATE efflux family protein
13407615	5.27	5.67	-1.32	0.480771	0.652547	RGF3	hypothetical protein
13518381	5.27	5.72	-1.37	0.367654	0.590773	EB1B	microtubule-associated protein, RP/EB family
13403107	5.27	6.06	-1.74	0.000381	0.185493	AT2G40113	Pollen Ole e 1 allergen and extensin family protein
13393571	5.27	6.26	-1.98	0.111267	0.442715	AT2G16990	major facilitator protein
13385538	5.27	6.31	-2.06	0.075455	0.410503	GSTU12	glutathione S-transferase TAU 12
13439796	5.26	1.53	13.26	0.008182	0.291978		
13369668	5.26	4.07	2.27	0.028823	0.347391	EPR1	early-phytochrome-responsive1
13536628	5.26	4.15	2.16	0.123756	0.453788	AT5G47620	RNA recognition motif-containing protein
13452792	5.26	4.21	2.07	0.412559	0.61329	RLP38	receptor like protein 38
13409368	5.26	4.32	1.93	0.29335	0.559559	TOC132	translocase of chloroplast 132
13407035	5.26	4.4	1.82	0.215438	0.519459	AT2G01913	hypothetical protein
13414387	5.26	4.41	1.8	0.233564	0.529224	AT2G28940	protein kinase family protein
13359327	5.26	4.48	1.71	0.047737	0.37767	AT1G75170	sec.4-like phosphatidylinositol transfer-like protein
13536571	5.26	4.48	1.71	0.033061	0.354018	RABA5a	RAB GTPase homolog A5A
13346083	5.26	4.53	1.66	0.010966	0.297771	GA2OX2	gibberellin 2-beta-dioxygenase 2
13492573	5.26	4.53	1.66	0.042214	0.368598	AT4G32750	hypothetical protein
13493158	5.26	4.62	1.56	0.055594	0.388025	AT4G33760	aspartyl-tRNA synthetase
13441747	5.26	4.68	1.49	0.119089	0.449468	AT3G60400	Mitochondrial transcription termination factor family protein
13343119	5.26	4.72	1.46	0.036665	0.359695	AT1G21740	hypothetical protein
13437598	5.26	4.72	1.45	0.448913	0.635124	LBD38	LOB domain-containing protein 38
13477433	5.26	4.75	1.42	0.07023	0.406528	AT4G34280	transducin/WD40 domain-containing protein
13459246	5.26	4.84	1.34	0.382091	0.596892	AT3G52860; VSR1	hypothetical protein; vacuolar-sorting receptor 1
13495114	5.26	4.9	1.29	0.476187	0.649834	CPK26	calcium-dependent protein kinase 26
13384976	5.26	4.92	1.27	0.003531	0.253459	AT1G68570	putative nitrite transporter
13486469	5.26	4.91	1.27	0.472472	0.648081	AT4G18340	glycosyl hydrolase family 17 protein
13418232	5.26	4.95	1.24	0.6496	0.766933	SLT1	protein sodium-and lithium-tolerant 1
13412629	5.26	4.97	1.23	0.593142	0.728694	AT2G25100	Ribonuclease H2 subunit A
13443580	5.26	4.96	1.23	0.324913	0.573118	AT3G02250	O-fucosyltransferase-like protein
13543419	5.26	4.97	1.22	0.262214	0.543595	MGT9	magnesium transporter MRS2-2
13459788	5.26	4.99	1.21	0.072503	0.408352	AT3G54210	50S ribosomal protein L17
13517265	5.26	4.99	1.21	0.112055	0.443327	AT5G59980	ribonuclease P subunit Rpp30
13359175	5.26	4.99	1.2	0.713365	0.811418	MYB31	myb domain protein 31
13371016	5.26	4.99	1.2	0.643232	0.762132	AT1G21830	hypothetical protein
13468562	5.26	5	1.2	0.353799	0.583905	emb2739	integrator complex subunit 3
13506554	5.26	5.05	1.16	0.408752	0.610799	ALY1	protein ALWAYS EARLY 1

13340759	5.26	5.09	1.13	0.680416	0.788339	GAPCP-2	glyceraldehyde 3-phosphate dehydrogenase
13427463	5.26	5.08	1.13	0.105323	0.43719	AT3G13062	lipid-binding START domain-containing protein
13354332	5.26	5.1	1.12	0.339987	0.578031	AT1G62330	O-fucosyltransferase family protein
13385723	5.26	5.11	1.11	0.576743	0.717121	BCA4	beta carbonic anhydrase 4
13383325	5.26	5.13	1.1	0.557476	0.704094	AT1G65040	ubiquitin-protein ligase synoviolin
13511285	5.26	5.13	1.1	0.827881	0.89067	AT5G46510	TIR-NBS-LRR class disease resistance protein
13512348	5.26	5.2	1.04	0.943237	0.966016		
13407131	5.26	5.31	-1.03	0.886503	0.930654	PP2-B1	F-box protein PP2-B1
13444999	5.26	5.35	-1.06	0.244588	0.535161	RLP30	receptor like protein 30
13458091	5.26	5.37	-1.08	0.656243	0.772037	AT3G50050	aspartyl protease family protein
13336059	5.26	5.4	-1.1	0.463605	0.643333	AT1G05360	hypothetical protein
13418142	5.26	5.5	-1.18	0.586807	0.725244	AT2G37400	tetratricopeptide repeat domain-containing protein
13360495	5.26	5.54	-1.21	0.071333	0.408234	PGM	phosphoglycerate/bisphosphoglycerate mutase
13457401	5.26	5.54	-1.22	0.295285	0.561066	AT3G48180	hypothetical protein
13427363	5.26	5.71	-1.36	0.147344	0.471394	AT3G12860	NOP56-like pre RNA processing ribonucleoprotein
13455353	5.26	5.73	-1.39	0.197288	0.507663	ERD5	proline dehydrogenase 1
13339342	5.26	5.93	-1.59	0.340537	0.578179	EXPA7	expansin A7
13473374	5.26	6.03	-1.71	0.266769	0.546363	AT4G25390	protein kinase family protein
13405366	5.26	6.16	-1.87	0.043349	0.3719	AT2G45403	hypothetical protein
13339187	5.26	6.73	-2.76	0.067701	0.405735	ATBETAFRUCT4	beta-fructofuranosidase
13487729	5.26	8.69	-10.76	0.018271	0.320778	MSRB7	peptide methionine sulfoxide reductase B7
13495816	5.25	3.92	2.51	0.045921	0.376634	AT4G39740	electron transport SCO1/SenC family protein
13394273	5.25	4.1	2.21	0.01115	0.297771		
13345020	5.25	4.24	2	0.087146	0.422399	AT1G27170	transmembrane receptors / ATP binding protein
13486658	5.25	4.3	1.92	0.27179	0.548926	HSF A4A	heat stress transcription factor A-4a
13510219	5.25	4.32	1.9	0.267286	0.546492	AT5G43920	transducin/WD40 domain-containing protein
13402841	5.25	4.41	1.8	0.137311	0.46568	AT2G39670	radical SAM domain-containing protein
13521819	5.25	4.43	1.76	0.288902	0.557782	GYRB3	DNA gyrase B3
13372726	5.25	4.57	1.6	0.078899	0.414078	AT1G26740	ribosomal L.2-like protein
13488932	5.25	4.62	1.55	0.239253	0.532475	AT4G24530	O-fucosyltransferase family protein
13418615	5.25	4.68	1.49	0.083205	0.417856	AT2G38630	transducin/WD-40 repeat-containing protein
13537399	5.25	4.68	1.48	0.147343	0.471394	AT5G49430	WD40/YVTN repeat and Bromo-WDR9-I-like domain-containing protein
13542915	5.25	4.73	1.44	0.441554	0.630322	AT5G63410	Leucine-rich repeat protein kinase family protein
13359736	5.25	4.73	1.43	0.245466	0.535223	DWA2	WD repeat-containing protein DWA2
13448631	5.25	4.76	1.41	0.117676	0.447676		
13376729	5.25	4.76	1.4	0.127034	0.456789	C/VIF1	cell wall / vacuolar inhibitor of fructosidase 1
13525210	5.25	4.83	1.34	0.258539	0.541251	LRP1	lateral root primordium protein-like protein
13445183	5.25	4.89	1.28	0.083218	0.417856	AT3G05810	hypothetical protein
13485717	5.25	4.89	1.28	0.238975	0.532292	AT4G16900	TIR-NBS-LRR class disease resistance protein

13514253	5.25	4.9	1.28	0.143904	0.469307	AT5G53060; AT5G53070	RNA-binding KH domain-containing protein; Ribosomal protein L9/RNase H1
13405660	5.25	4.93	1.25	0.595224	0.730084	AT2G46170	reticulon-like protein B5
13467901	5.25	4.95	1.22	0.561049	0.706588	AT4G12760	hypothetical protein
13518682	5.25	4.97	1.21	0.511138	0.672862	AT5G63150	hypothetical protein
13362088	5.25	5	1.19	0.472835	0.648172	AT1G01740	protein kinase protein with tetratricopeptide repeat domain-containing protein
13372154	5.25	5.01	1.18	0.396459	0.604018	AT1G24610	rubisco methyltransferase-like protein
13480251	5.25	5.11	1.1	0.697588	0.800866	APRR8; AT4G00770	putative two-component response regulator-like APRR8; hypothetical protein
13444725	5.25	5.15	1.07	0.551672	0.700726	AT3G04850	Tesmin/TSO1-like CXC domain-containing protein
13443281	5.25	5.26	-1.01	0.955855	0.973809	AT3G01430	hypothetical protein
13336771	5.25	5.27	-1.02	0.93665	0.961647	bZIP52	basic leucine-zipper 52
13480214	5.25	5.29	-1.03	0.842135	0.900539	ANL2	homeobox-leucine zipper protein ANTHOCYANINLESS 2
13348161	5.25	5.47	-1.16	0.705183	0.805969	CDPK2	calcium-dependent protein kinase 2
13375647	5.25	5.62	-1.29	0.035121	0.355472	AT1G35320	hypothetical protein
13472326	5.25	5.65	-1.31	0.427316	0.621602	CRK10	cysteine-rich receptor-like protein kinase 10
13511974	5.25	5.67	-1.34	0.099202	0.433828	AT5G47970; RABA4C	tRNA-dihydrouridine synthase A; RAB GTPase homolog A4C
13536922	5.25	5.8	-1.46	0.175161	0.492147	AT5G48320	cysteine/histidine-rich C1 domain-containing protein
13385444	5.25	5.91	-1.57	0.242366	0.534004	CMT3	DNA (cytosine-5)-methyltransferase CMT3
13527280	5.25	5.93	-1.61	0.220372	0.52188	AT5G17160	hypothetical protein
13390760	5.25	5.96	-1.63	0.026535	0.338795	LCR68	defensin-like protein 1
13414127	5.25	6.19	-1.92	0.037679	0.361643	AT2G28400	hypothetical protein
13545357	5.25	8.35	-8.61	0.159335	0.481801	ArthMp090	hypothetical protein
13497864	5.24	3.54	3.24	0.026712	0.339318		
13374050	5.24	4.16	2.12	0.066719	0.403947	AT1G30290	PPR repeat domain-containing protein
13355809	5.24	4.26	1.97	0.23704	0.531149	AT1G66510	A1 cistron-splicing factor AAR2
13403550	5.24	4.27	1.95	0.237331	0.531342	EEL	abscisic acid-insensitive 5-like protein 3
13345805	5.24	4.35	1.85	0.018557	0.321499	AT1G29320	WD40 domain-containing protein
13498439	5.24	4.39	1.8	0.037886	0.362165	SDG38	histone-lysine N-methyltransferase ATXR4
13515170	5.24	4.51	1.66	0.239077	0.532331	FIP2	potassium channel tetramerisation and pentapeptide repeat-containing protein
13401222	5.24	4.59	1.57	0.230985	0.527788	OWL1	chaperone protein dnaJ 13
13487234	5.24	4.64	1.52	0.019677	0.322692	AT4G20430	Subtilase family protein
13483525	5.24	4.7	1.45	0.095782	0.431773	GAE5	UDP-D-glucuronate 4-epimerase 5
13498919	5.24	4.72	1.43	0.157452	0.479979	AT5G07710	exonuclease family protein
13507039	5.24	4.76	1.4	0.575026	0.716289		
13366832	5.24	4.77	1.38	0.079298	0.414078	AT1G11880	phosphatidylinositol glycan, class V
13413411	5.24	4.78	1.37	0.347077	0.58045	AT2G26810	Putative methyltransferase family protein
13395851	5.24	4.81	1.35	0.223742	0.524399	CYP79B3	tryptophan N-hydroxylase 2
13534558	5.24	4.82	1.34	0.301638	0.563858	AT5G42440	protein kinase family protein
13360805	5.24	4.84	1.32	0.289028	0.557782	APC6	anaphase-promoting complex subunit 6
13391645	5.24	4.88	1.29	0.511335	0.673029	APC2	anaphase-promoting complex subunit 2
13335956	5.24	4.88	1.28	0.435706	0.62689	AT1G04945; TIC20	HIT-type Zinc finger family protein; translocon at the inner envelope membrane of chloroplasts

13467856	5.24	4.89	1.28	0.184357	0.498908	AT4G12640	RNA recognition motif (RRM)-containing protein
13491982	5.24	4.95	1.23	0.612469	0.741662	AT4G31470	putative pathogenesis-related protein
13441941	5.24	4.95	1.22	0.194087	0.505856	AT3G60850	hypothetical protein
13518432	5.24	5.01	1.17	0.520724	0.679408	AT5G62580	ARM repeat-containing protein-like protein
13408399	5.24	5.05	1.14	0.612037	0.741325	MCM5	minichromosome maintenance protein 5 (cell division control protein 46)
13495966	5.24	5.09	1.11	0.627399	0.751558	AT4G40045	hypothetical protein
13499928	5.24	5.1	1.11	0.391924	0.601178	AT5G10410	putative clathrin assembly protein
13351078	5.24	5.11	1.1	0.694396	0.798576	AT1G52155	hypothetical protein
13441293	5.24	5.1	1.1	0.285519	0.556418	AT3G59390	hypothetical protein
13500546	5.24	5.15	1.07	0.324817	0.573118	AT5G11810; AT5G11820	hypothetical protein; self-incompatibility S1 family protein
13521920	5.24	5.14	1.07	0.710275	0.809417	ZAT6	putative c2h2 zinc finger transcription factor
13369376	5.24	5.21	1.02	0.921555	0.952583	AT1G17830	hypothetical protein
13479057	5.24	5.21	1.02	0.82652	0.889641	AT4G38225	hypothetical protein
13414368	5.24	5.27	-1.03	0.930108	0.957476	PLL4	putative protein phosphatase 2C 23
13450519	5.24	5.34	-1.07	0.467363	0.645157	AT3G17340	armadillo/beta-catenin-like repeats-containing protein
13378657	5.24	5.4	-1.11	0.566686	0.710763	AT1G52342	hypothetical protein
13474474	5.24	5.39	-1.11	0.566754	0.710763	MTM1	manganese tracking factor for mitochondrial SOD2
13519772	5.24	5.42	-1.13	0.80911	0.877718	AT5G65580	hypothetical protein
13476825	5.24	5.7	-1.38	0.359911	0.586536	AUR1	serine/threonine-protein kinase aurora-1
13386199	5.24	5.84	-1.51	0.01839	0.321469	AT1G71870	protein novel ion carrier-2
13387345	5.24	5.99	-1.68	0.740004	0.829115	AT5G60280	concanavalin A-like lectin kinase-like protein
13411454	5.24	5.99	-1.68	0.740004	0.829115	AT5G60280	concanavalin A-like lectin kinase-like protein
13413099	5.24	5.99	-1.68	0.740004	0.829115	AT5G60280	concanavalin A-like lectin kinase-like protein
13427522	5.24	5.99	-1.68	0.740004	0.829115	AT5G60280	concanavalin A-like lectin kinase-like protein
13442068	5.24	5.99	-1.68	0.740004	0.829115	AT5G60280	concanavalin A-like lectin kinase-like protein
13468093	5.24	5.99	-1.68	0.740004	0.829115	AT5G60280	concanavalin A-like lectin kinase-like protein
13499770	5.24	5.99	-1.68	0.740004	0.829115	AT5G60280	concanavalin A-like lectin kinase-like protein
13508977	5.24	5.99	-1.68	0.740004	0.829115	AT5G60280	concanavalin A-like lectin kinase-like protein
13519435	5.24	5.99	-1.68	0.740004	0.829115	AT5G60280	concanavalin A-like lectin kinase-like protein
13521637	5.24	5.99	-1.68	0.740004	0.829115	AT5G60280	concanavalin A-like lectin kinase-like protein
13462717	5.24	6	-1.7	0.043586	0.372891	AT3G61117	hypothetical protein
13528075	5.24	6.11	-1.82	0.149733	0.472607	BUD2	S-adenosylmethionine decarboxylase
13368138	5.24	6.67	-2.68	0.050081	0.380098	PCR2	cadmium resistance protein 2
13545213	5.24	6.69	-2.72	0.550856	0.700249	ArthMp101	hypothetical protein
13334881	5.23	3.01	4.66	0.07632	0.410663	PGP11	P-glycoprotein 11
13350243	5.23	3.94	2.44	0.074115	0.410257	AT1G50050	putative pathogenesis-related protein
13515584	5.23	4.29	1.93	0.231769	0.528276	HSP81-2	heat shock protein 81-2
13517652	5.23	4.37	1.81	0.010823	0.297771	AT5G60760	2-phosphoglycerate kinase-related protein
13465534	5.23	4.38	1.8	0.187874	0.502152	AT4G04190	hypothetical protein
13440233	5.23	4.41	1.77	0.202417	0.510416	AT3G56580	RING/U-box domain-containing protein
13437567	5.23	4.48	1.68	0.103665	0.436308	TRB3	telomere repeat binding factor 3
13513541	5.23	4.48	1.68	0.119187	0.449554	RIN3	E3 ubiquitin protein ligase RIN3
13524708	5.23	4.49	1.67	0.085797	0.420711	VAMP713	vesicle-associated membrane protein 713
13474427	5.23	4.51	1.66	0.338157	0.577332	AT4G27880	E3 ubiquitin-protein ligase SINAT4
13415555	5.23	4.54	1.61	0.374936	0.593202	AT2G31725	hypothetical protein

13507946	5.23	4.55	1.61	0.126763	0.456331	ASF1B	histone chaperone ASF1B
13436166	5.23	4.68	1.46	0.245722	0.5354	MBD5	methyl-CPG-binding domain protein 5
13486758	5.23	4.72	1.43	0.447938	0.634642	AT4G19045	Mob1/phocein family protein
13488102	5.23	4.73	1.41	0.102352	0.43559	APT3	adenine phosphoribosyl transferase 3
13373619	5.23	4.74	1.4	0.090682	0.427844	AT1G29350	hypothetical protein
13419291	5.23	4.83	1.33	0.377922	0.594163	ATH9	putative ABC1 protein
13445125	5.23	4.82	1.33	0.406561	0.609612	AT3G05700	protein dehydration-induced 19-3
13506033	5.23	4.82	1.32	0.19475	0.505856	AT5G26731	hypothetical protein
13384764	5.23	4.87	1.28	0.280788	0.554495	AT1G67960	hypothetical protein
13446038	5.23	4.91	1.25	0.347205	0.58045	AT3G07190	B-cell receptor-associated protein 31-like protein
13433921	5.23	4.95	1.22	0.570615	0.713022	AT3G27420	hypothetical protein
13475619	5.23	4.99	1.17	0.644813	0.763555	AT4G30630	hypothetical protein
13361424	5.23	5.01	1.16	0.365325	0.589672	AT1G80150	pentatricopeptide repeat-containing protein
13350925	5.23	5.03	1.15	0.759482	0.842451	EXO70G2	exocyst complex component 7
13510336	5.23	5.06	1.13	0.387608	0.598939	NUC	zinc finger protein NUTCRACKER
13448489	5.23	5.08	1.11	0.72637	0.820789	AT3G12650	hypothetical protein
13545701	5.23	5.12	1.08	0.86522	0.915947		
13340207	5.23	5.41	-1.13	0.053073	0.383285	AT1G15010	hypothetical protein
13512883	5.23	5.4	-1.13	0.359995	0.586611	NFU2	NifU-like protein 2
13544652	5.23	5.44	-1.16	0.108826	0.440715	EB1C	end binding protein 1C
13337295	5.23	5.6	-1.29	0.289704	0.558085	AT1G08280	glycosyl transferase-like 29 protein
13343683	5.23	5.77	-1.45	0.226374	0.525194	AT1G23040	hydroxyproline-rich glycoprotein family protein
13361869	5.23	5.82	-1.5	0.083655	0.417946	KCS1	3-ketoacyl-CoA synthase 1
13510116	5.23	5.87	-1.56	0.256789	0.540953	AT5G43620	Pre-mRNA cleavage complex II
13545104	5.23	7.44	-4.61	0.371891	0.591916	ArthMp005; ArthMp004	hypothetical protein
13404135	5.22	3.87	2.55	0.036918	0.359989	TTL3	tetratricopetide-repeat thioredoxin-like 3
13426971	5.22	3.93	2.45	0.166115	0.486235	AT3G11810	hypothetical protein
13435934	5.22	4.13	2.14	0.208405	0.514037	AT3G45920	protein kinase family protein
13520184	5.22	4.13	2.13	0.29241	0.559559		
13513810	5.22	4.19	2.04	0.095218	0.431535	AT5G51960	hypothetical protein
13500907	5.22	4.35	1.83	0.292955	0.559559	AT5G13210	hypothetical protein
13347302	5.22	4.49	1.66	0.033643	0.354018	NACA5	Nascent polypeptide-associated complex subunit alpha-like protein 5
13393684	5.22	4.55	1.6	0.421288	0.617894	AT2G17280	phosphoglycerate mutase-like protein
13465341	5.22	4.58	1.56	0.069599	0.406403	AT4G03410	Peroxisomal membrane 22 kDa (Mpv17/PMP22) family protein
13525401	5.22	4.79	1.35	0.194365	0.505856	AT5G12980	Cell differentiation, Rcd1-like protein
13340124	5.22	4.85	1.3	0.54913	0.698895	AT1G14650	splicing factor 3A subunit 1
13519012	5.22	4.84	1.3	0.518161	0.67752	EMB2780	DNA polymerase delta subunit 1
13448021	5.22	4.87	1.27	0.198294	0.508011	SYP121	syntaxin-121
13532200	5.22	4.88	1.26	0.54191	0.693664	AT5G35370	S-locus lectin protein kinase-like protein
13433504	5.22	4.9	1.25	0.625937	0.750499	EIF4B1	eukaryotic translation initiation factor 4B1
13370006	5.22	4.95	1.21	0.384277	0.597873	AT1G19370	hypothetical protein
13374676	5.22	4.94	1.21	0.536289	0.689889	AT1G31830	amino acid permease-like protein
13438484	5.22	4.94	1.21	0.612078	0.741325	IQD3	protein IQ-domain 3
13401090	5.22	4.96	1.19	0.105402	0.437326	AT2G35540	DNAJ heat shock N-terminal domain-containing protein

13507028	5.22	5.04	1.13	0.659379	0.774419	AT5G30490	hypothetical protein
13528011	5.22	5.09	1.09	0.858601	0.911793	AGP25	arabinogalactan protein 25
13464791	5.22	5.15	1.05	0.575948	0.716785	AT4G02200	protein dehydration-INDUCED 19-5
13500335	5.22	5.2	1.01	0.956546	0.97434	AT5G11430	SPOC domain / Transcription elongation factor S-II protein
13502782	5.22	5.21	1.01	0.954009	0.972587	PSRP6	plastid-specific 50S ribosomal protein 6
13412256	5.22	5.25	-1.03	0.893413	0.934476	AT2G24170	endomembrane protein 70-like protein
13434483	5.22	5.26	-1.03	0.964381	0.979041	AT3G29000	putative calcium-binding protein CML30
13346522	5.22	5.29	-1.06	0.621572	0.747876	AT1G30890	integral membrane HRF1-like protein
13392011	5.22	5.31	-1.07	0.691194	0.796052	FIP1	FRIGIDA interacting protein 1
13498254	5.22	5.34	-1.09	0.307076	0.565721	AT5G06180	hypothetical protein
13371655	5.22	5.38	-1.12	0.623473	0.749045	AT1G23390	Kelch repeat-containing F-box protein
13394154	5.22	5.46	-1.18	0.631064	0.754431	AT2G18330	AAA-type ATPase-like protein
13338120	5.22	5.47	-1.19	0.595454	0.730184	ATP-PRT2	ATP phosphoribosyltransferase
13437685	5.22	5.54	-1.25	0.104129	0.4366	AT3G50400	GDSL esterase/lipase
13456083	5.22	5.55	-1.26	0.483313	0.653912	AT3G44610	protein kinase family protein
13365920	5.22	6.19	-1.97	0.164997	0.485944	AT1G09932	Phosphoglycerate mutase family protein
13395341	5.22	6.26	-2.06	0.0157	0.315212	AT2G21185	hypothetical protein
13429022	5.22	6.3	-2.13	0.024428	0.333211	DELTA-TIP	aquaporin TIP2-1
13412664	5.22	6.86	-3.12	0.050546	0.380985	CYP82F1	cytochrome P450, family 82, subfamily F, polypeptide 1
13422150	5.22	8.44	-9.35	0.003547	0.253459	AT2G46750	D-arabinono-1,4-lactone oxidase-like protein
13510709	5.21	4.06	2.22	0.076481	0.410833	AT5G45020	putative glutathione S-transferase
13427249	5.21	4.34	1.83	0.024123	0.332187	AT3G12510	MADS-box family protein
13407931	5.21	4.36	1.8	0.235765	0.530369	AT2G05120	nucleoporin, Nup133/Nup155-like protein
13496050	5.21	4.51	1.63	0.047955	0.37767		
13513410	5.21	4.63	1.49	0.051352	0.382129	AT5G51160	ankyrin repeat-containing protein
13503728	5.21	4.65	1.47	0.008769	0.293015	AT5G19830	Peptidyl-tRNA hydrolase
13494167	5.21	4.77	1.36	0.010523	0.296628	AT4G36120	filament-like plant protein 5
13516075	5.21	4.82	1.31	0.002155	0.253459	PAP28	purple acid phosphatase 28
13347113	5.21	4.82	1.31	0.207511	0.513566	AT1G32460	hypothetical protein
13454806	5.21	4.88	1.26	0.019437	0.321499	CLE25	protein CLAVATA3/ESR-related 25
13488152	5.21	4.88	1.26	0.070655	0.407344	SMO1-3; AT4G22750	sterol 4-alpha methyl oxidase 1-3; putative S-acyltransferase
13403237	5.21	4.91	1.23	0.133069	0.462568	AT2G40420	transmembrane amino acid transporter-like protein
13403516	5.21	4.93	1.22	0.156753	0.479551	AT2G41020	polyglutamine-binding protein 1
13541454	5.21	4.92	1.22	0.317584	0.569158	AT5G59740	UDP-N-acetylglucosamine (UAA) transporter family protein
13398645	5.21	5.01	1.15	0.28454	0.556257	RPC14	DNA-directed RNA polymerase III subunit C19
13457197	5.21	5.03	1.14	0.556281	0.703517	MAG2	RINT-1 / TIP-1 domain-containing MAG2 protein
13432649	5.21	5.06	1.12	0.304078	0.564633	AT3G24070	Zinc knuckle (CCHC-type) family protein
13484733	5.21	5.05	1.12	0.656241	0.772037	ATSUV3	ATP-dependent RNA helicase, mitochondrial (SUV3)
13529200	5.21	5.05	1.12	0.734183	0.82602	AT5G22040	hypothetical protein
13365610	5.21	5.06	1.11	0.593035	0.728686	AT1G09320	agenet domain-containing protein
13384048	5.21	5.06	1.11	0.571236	0.713402	AT1G66660	E3 ubiquitin-protein ligase SINA-like 5

13465330	5.21	5.05	1.11	0.585262	0.723942	tic20-IV	translocon at the inner envelope membrane of chloroplasts 20-IV
13484393	5.21	5.06	1.11	0.599564	0.731926	AT4G14200	pentatricopeptide repeat-containing protein-like protein
13402227	5.21	5.15	1.04	0.193938	0.505856	PSRP4	30S ribosomal protein S31
13488168	5.21	5.16	1.03	0.905913	0.94248	SMO1-2	sterol C4-methyl oxidase 1-2
13385701	5.21	5.2	1.01	0.687193	0.792977	PG2	putative polygalacturonase non-catalytic subunit JP650
13509065	5.21	5.24	-1.02	0.895198	0.935419	AT5G41110; AT5G41109	hypothetical protein
13334854	5.21	5.35	-1.11	0.343261	0.579024	GA2OX6	gibberellin 2-oxidase 6
13414133	5.21	5.35	-1.11	0.473334	0.648252	AT2G28426	hypothetical protein
13414266	5.21	5.36	-1.11	0.751779	0.837384	AT2G28670; AT2G28671	Disease resistance-responsive (dirigent-like protein) family protein; hypothetical protein
13390087	5.21	5.52	-1.24	0.238419	0.532151	AT1G80450	VQ motif-containing protein
13419109	5.21	5.54	-1.25	0.305836	0.565076	AT2G39710	Eukaryotic aspartyl protease family protein
13403607	5.21	5.63	-1.34	0.430186	0.623122	AT2G41150	hypothetical protein
13457290	5.21	6.11	-1.87	0.079003	0.414078	AT3G47960	putative peptide/nitrate transporter
13413235	5.21	6.31	-2.14	0.047288	0.377622	PIP5K3	phosphatidylinositol-4-phosphate 5-kinase 3
13383470	5.21	6.84	-3.09	0.374301	0.59299	AT1G65346	hypothetical protein
13535717	5.2	3.5	3.26	0.019663	0.322692	AT5G45220	TIR-NBS-LRR class disease resistance protein
13438200	5.2	3.7	2.83	0.014264	0.313095	AT3G51710	D-mannose binding lectin protein with Apple-like carbohydrate-binding domain
13349327	5.2	3.92	2.44	0.024117	0.332187	AT1G47655	Dof zinc finger protein DOF1.6
13344648	5.2	4.03	2.26	0.150906	0.473611		
13444594	5.2	4.07	2.19	0.042285	0.368598	EIN4	protein EIN4
13520964	5.2	4.16	2.06	0.077408	0.412497	AT5G01700	putative protein phosphatase 2C 65
13428124	5.2	4.25	1.93	0.040763	0.366076	AT3G14470	putative disease resistance RPP13-like protein 1
13404478	5.2	4.27	1.91	0.120972	0.45228	AT2G43340	hypothetical protein
13508480	5.2	4.34	1.82	0.159361	0.481801	DEG8	protease Do-like 8
13456995	5.2	4.34	1.81	0.068188	0.406315	AT3G47040	Glycosyl hydrolase family protein
13412755	5.2	4.39	1.75	0.367526	0.59069	AT2G25310	hypothetical protein
13522739	5.2	4.48	1.65	0.000617	0.207323	AT5G06580	D-lactate dehydrogenase [cytochrome]
13541131	5.2	4.48	1.65	0.099977	0.434356	AT5G58900	Homeodomain-like transcriptional regulator
13469258	5.2	4.56	1.55	0.167153	0.486855	RH1	RNA helicase 1
13539391	5.2	4.57	1.54	0.065448	0.402125	AT5G54520	transducin/WD40 domain-containing protein
13446185	5.2	4.6	1.52	0.383946	0.597749	ATG10	autophagocytosis-associated family protein
13424146	5.2	4.62	1.5	0.250481	0.537741		
13439737	5.2	4.62	1.49	0.436535	0.627554	AT3G55420	hypothetical protein
13535219	5.2	4.63	1.49	0.344618	0.579681	AT5G44080	basic leucine zipper transcription factor
13539247	5.2	4.63	1.48	0.321904	0.571488	AT5G54100	SPFH/Band 7/PHB domain-containing membrane-associated protein
13482497	5.2	4.66	1.46	0.277641	0.552287	AT4G09560	protease-associated (PA) RING/U-box zinc finger-containing protein
13414157	5.2	4.69	1.42	0.452584	0.636679	BGAL8	beta-galactosidase 8
13386008	5.2	4.73	1.38	0.020734	0.324125	AT1G71310	cobalt ion binding protein
13391770	5.2	4.9	1.23	0.118571	0.448829	AT2G05185; AT5G22608	hypothetical protein

13515740	5.2	4.9	1.23	0.580874	0.720715	ATCRT1	RING/U-box domain-containing protein
13343058	5.2	4.96	1.18	0.363027	0.588585	EMB1968	replication factor C subunit 2/4
13473489	5.2	4.97	1.17	0.5003	0.665212	AT4G25660	PPPDE putative thiol peptidase family protein
13465293	5.2	5.01	1.14	0.732824	0.82534	AT4G03250	homeobox-leucine zipper family protein
13479809	5.2	5.01	1.14	0.377611	0.594147	AT4G39960	molecular chaperone Hsp40/DnaJ family protein
13543044	5.2	5	1.14	0.640594	0.760374	AT5G63700	zinc ion binding / DNA binding protein
13426236	5.2	5.03	1.13	0.663812	0.776753	AT3G09890	ankyrin repeat-containing protein
13508468	5.2	5.05	1.11	0.584771	0.723582	AT5G39785	hypothetical protein
13544165	5.2	5.06	1.1	0.377821	0.594163	FNR1	ferredoxin--NADP+ reductase
13387799	5.2	5.1	1.07	0.344129	0.579383	AT1G75730	hypothetical protein
13425193	5.2	5.2	-1.01	0.988905	0.993703	GATA15	GATA transcription factor 15
13528347	5.2	5.22	-1.01	0.911014	0.946203	AT5G19630	esterase/lipase domain-containing protein
13347717	5.2	5.24	-1.03	0.892265	0.933708	AT1G34200	glyceraldehyde-3-phosphate dehydrogenase-like protein
13358847	5.2	5.46	-1.2	0.06044	0.396137	AT1G73750	esterase/lipase domain-containing protein
13470788	5.2	5.53	-1.26	0.508845	0.671483	AT4G19450	major facilitator protein
13504413	5.2	5.55	-1.27	0.663083	0.776281	OFP10	Ovate family protein
13428468	5.2	5.61	-1.33	0.03689	0.359989	AT3G15095	hypothetical protein
13480316	5.2	5.75	-1.46	0.368661	0.591092	AT4G00880	SAUR-like auxin-responsive protein
13334511	5.2	5.77	-1.48	0.12108	0.45228	AT1G01780	LIM domain-containing protein
13510364	5.2	6.12	-1.89	0.051698	0.382313	GLK2	protein GOLDEN2-like 2
13446043	5.2	6.14	-1.92	0.012047	0.301412	AT3G07210	hypothetical protein
13456218	5.19	2.54	6.29	0.004427	0.262292	NRT2.6	high affinity nitrate transporter 2.6
13508422	5.19	3.26	3.81	0.004405	0.262292	CDF2	Dof zinc finger protein DOF5.2
13434241	5.19	3.5	3.23	0.008875	0.293015	AT3G28200	peroxidase 31
13426563	5.19	4.18	2.02	0.107324	0.4394	AT3G10572	putative 3-phosphoinositide-dependent protein kinase-1
13382550	5.19	4.28	1.87	0.037071	0.360287	AT1G63050	membrane bound O-acyl transferase domain-containing protein
13337622	5.19	4.28	1.87	0.184307	0.498908	PRA1.E	PRA1-like protein E
13541816	5.19	4.5	1.62	0.215224	0.519459	AT5G60840	hypothetical protein
13357856	5.19	4.53	1.59	0.235979	0.530405	AT1G71430	hypothetical protein
13523708	5.19	4.59	1.52	0.169803	0.48808	NDC1	NAD(P)H dehydrogenase C1
13441091	5.19	4.59	1.51	0.484146	0.654355	AT3G58900	F-box/LRR-repeat protein
13486873	5.19	4.6	1.5	0.044355	0.374534	AT4G19390	hypothetical protein
13520128	5.19	4.61	1.49	0.383791	0.597749	AT5G66250	kinectin-related protein
13474571	5.19	4.65	1.45	0.048745	0.377942	emb1923	embryo defective 1923 protein
13454641	5.19	4.66	1.45	0.216644	0.519796	DEGP1	protease Do-like 1
13360706	5.19	4.72	1.38	0.048362	0.37767	NADK3	NAD(H) kinase 3
13383661	5.19	4.72	1.38	0.380042	0.595571	AT1G65700	U6 snRNA-associated Sm-like protein LSm8
13409508	5.19	4.76	1.35	0.284763	0.55631	AT2G17020	F-box/LRR-repeat protein 10
13460319	5.19	4.8	1.31	0.435223	0.626509	EXO70H1	exocyst complex component 7
13391276	5.19	4.81	1.3	0.432132	0.624546	AT2G03667	Asparagine synthase-like protein
13538372	5.19	4.85	1.26	0.178746	0.494636	YLS7	hypothetical protein
13436715	5.19	4.87	1.25	0.137762	0.46568	ROP10	Rac-like GTP-binding protein ARAC8
13349194	5.19	4.88	1.24	0.146334	0.470765	AT1G47410	hypothetical protein

13513630	5.19	4.88	1.24	0.082516	0.417856	AT5G51560	leucine-rich repeat protein kinase-like protein
13453308	5.19	4.9	1.23	0.415434	0.614582	AT3G24460	Serinc-domain containing serine and sphingolipid biosynthesis protein
13365255	5.19	4.9	1.22	0.220792	0.522049	AT1G08590	leucine-rich receptor-like protein kinase-like protein
13525915	5.19	4.91	1.21	0.098172	0.433275	AT5G14080	pentatricopeptide repeat-containing protein
13447634	5.19	4.94	1.19	0.37095	0.591914	AT3G10915	reticulon-like protein B16
13455882	5.19	4.96	1.17	0.756419	0.840685	AT3G43980; AT4G33865; AT3G44010	40S ribosomal protein S29
13483113	5.19	4.99	1.15	0.249286	0.5369	TBL23	protein trichome birefringence-like 23
13537065	5.19	4.99	1.15	0.640847	0.76056	AT5G48640	cyclin-C1-1
13339941	5.19	5.02	1.13	0.74007	0.829124	AT1G14190	glucose-methanol-choline oxidoreductase-like protein
13543484	5.19	5.03	1.12	0.856744	0.910439	CMPG2	U-box domain-containing protein 27
13412557	5.19	5.1	1.07	0.355805	0.584638	AT2G24830	zinc finger CCCH domain-containing protein 22
13518087	5.19	5.14	1.04	0.26086	0.542969	AT5G61865	hypothetical protein
13373109	5.19	5.18	1.01	0.891881	0.933591	AT1G27930	hypothetical protein
13445059	5.19	5.24	-1.03	0.872781	0.921189	AT3G05640	putative protein phosphatase 2C 34
13411930	5.19	5.29	-1.07	0.75279	0.838085	MYB70	myb domain protein 70
13431576	5.19	5.34	-1.11	0.721495	0.81738	AT3G21810	zinc finger CCCH domain-containing protein 40
13351947	5.19	5.37	-1.13	0.476883	0.650415	AT1G54120	hypothetical protein
13478524	5.19	5.38	-1.14	0.595001	0.729942	AT4G36840	galactose oxidase/kelch motif-containing protein
13338042	5.19	5.56	-1.3	0.095363	0.431535	AT1G09590; AT1G09690	60S ribosomal protein L21-1
13362313	5.19	5.63	-1.36	0.152256	0.474562	MAN1	mannan endo-1,4-beta-mannosidase 1
13423300	5.19	5.67	-1.39	0.21514	0.519459	AT3G02360	6-phosphogluconate dehydrogenase
13417998	5.19	5.7	-1.42	0.245442	0.535223	RIP3	interactor of constitutive active ROPs 2
13454020	5.19	5.82	-1.55	0.241747	0.53362	NUDX13	nudix hydrolase 13
13487212	5.19	6.02	-1.77	0.245431	0.535223	RABE1b	Elongation factor Tu
13545283	5.19	7.18	-3.99	0.338076	0.577332	ArthMp039	hypothetical protein
13399052	5.18	3.68	2.84	0.014989	0.313319	AT2G30766; AT2G30760	hypothetical protein
13345426	5.18	3.72	2.75	0.124392	0.453788	AT1G28070	hypothetical protein
13403935	5.18	3.98	2.3	0.094357	0.430944	AT2G41905	hypothetical protein
13503125	5.18	4.12	2.08	0.161107	0.483253	AT5G18770	F-box/FBD/LRR-repeat protein
13495709	5.18	4.13	2.07	0.023615	0.331032		
13338273	5.18	4.24	1.92	0.02705	0.340635	MPK1	mitogen-activated protein kinase 1
13525956	5.18	4.23	1.92	0.043788	0.373007	MPL1	triacylglycerol lipase 2
13427163	5.18	4.3	1.84	0.020324	0.322788	AT3G12210	DNA binding protein
13415561	5.18	4.3	1.84	0.308569	0.566484	AT2G31730	basic helix-loop-helix domain-containing protein
13357353	5.18	4.31	1.83	0.01917	0.321499	AT1G70360	F-box protein
13421221	5.18	4.36	1.78	0.096486	0.43273	AT2G44380	cysteine/histidine-rich C1 domain-containing protein

13416532	5.18	4.48	1.63	0.226826	0.525438	FES1	zinc finger CCCH domain-containing protein 27
13388582	5.18	4.48	1.62	0.165953	0.486235	AT1G77480	aspartyl protease-like protein
13499385	5.18	4.51	1.59	0.092757	0.429659	STRS2	DEAD-box ATP-dependent RNA helicase 25
13523738	5.18	4.54	1.55	0.06945	0.406403	AT5G09225	hypothetical protein
13342890	5.18	4.55	1.54	0.257252	0.541232	AT1G21200	sequence-specific DNA binding transcription factor
13466962	5.18	4.56	1.54	0.349554	0.581308	CNX7	Molybdopterin synthase sulfur carrier subunit
13437756	5.18	4.56	1.53	0.335223	0.576654	AT3G50550	hypothetical protein
13339539	5.18	4.6	1.5	0.349255	0.581187	CYP71B28	cytochrome P450 71B28
13440228	5.18	4.59	1.5	0.326089	0.573682	AT3G56570	SET domain-containing protein
13531297	5.18	4.63	1.46	0.249947	0.537401	AT5G26760	hypothetical protein
13394580	5.18	4.68	1.41	0.004234	0.262292	DWA1	THO complex subunit 6
13340144	5.18	4.74	1.35	0.079261	0.414078	BPC2	basic pentacysteine 2
13473714	5.18	4.76	1.34	0.018624	0.321499	ACHT1	thioredoxin-like 2-1
13449028	5.18	4.77	1.33	0.248293	0.536392	SCL30A	SC35-like splicing factor 30A
13356117	5.18	4.77	1.32	0.252032	0.538651	AT1G67420	Zn-dependent exopeptidase-like protein
13415855	5.18	4.83	1.27	0.197678	0.507784	GLR5	glutamate receptor 3.7
13538429	5.18	4.83	1.27	0.442287	0.630895	PGM	phosphoglucomutase
13427793	5.18	4.85	1.25	0.313706	0.568024	AT3G13740	Ribonuclease III family protein
13382928	5.18	4.9	1.21	0.127008	0.456777	AT1G63855	Putative methyltransferase family protein
13428237	5.18	4.92	1.2	0.2993	0.562613	CYP72A15	cytochrome P450, family 72, subfamily A, polypeptide 15
13362128	5.18	4.93	1.19	0.335967	0.576926	PFC1; AT1G01840	Ribosomal RNA adenine dimethylase family protein; hypothetical protein
13399303	5.18	4.96	1.16	0.764209	0.84566	INH3	inhibitor-3
13539174	5.18	4.98	1.15	0.733982	0.825904	AT5G53930	hypothetical protein
13363506	5.18	4.99	1.14	0.465387	0.644297	PDIL2-2	protein disulfide-isomerase A6
13405016	5.18	5.03	1.12	0.773123	0.852027	AT2G44640	hypothetical protein
13405747	5.18	5.02	1.11	0.804999	0.874678	AT2G46320	Mitochondrial substrate carrier family protein
13405310	5.18	5.04	1.1	0.506189	0.669645	RAD51C	DNA repair protein RAD51-like 3
13354496	5.18	5.07	1.08	0.54666	0.696992	AT1G62880	protein cornichon-3
13475872	5.18	5.08	1.08	0.68876	0.794025	AT4G31115	hypothetical protein
13431522	5.18	5.11	1.05	0.912614	0.94697	DMP1	DUF679 domain membrane protein 1
13491158	5.18	5.11	1.05	0.847105	0.90353	EMB2752	protein embryo defective 2752
13460763	5.18	5.15	1.02	0.775339	0.853745	AT3G56410	hypothetical protein
13505513	5.18	5.17	1.01	0.973277	0.984575	CYP71B13	cytochrome P450 71B13
13395872	5.18	5.2	-1.01	0.973341	0.984606	AT2G22420	peroxidase
13496728	5.18	5.22	-1.03	0.698993	0.801792	RHL2	DNA topoisomerase 6 subunit A
13371947	5.18	5.23	-1.04	0.820644	0.885383	AT1G24130	WD40 domain-containing protein
13526682	5.18	5.28	-1.07	0.660603	0.775219	AT5G15740	O-fucosyltransferase family protein
13338981	5.18	5.32	-1.11	0.131125	0.461002	ADT1	arogenate dehydratase 1
13441777	5.18	5.36	-1.13	0.701146	0.803337	AT3G60450	phosphoglycerate mutase-like protein
13509124	5.18	5.37	-1.14	0.714203	0.81208	AT5G41290	cysteine-rich repeat secretory protein 58
13541870	5.18	5.47	-1.22	0.461687	0.642455	AT5G60930	kinesin family member 4/7/21/27
13494967	5.18	5.57	-1.32	0.44618	0.633602	SHM1	glycine hydroxymethyltransferase

13385887	5.18	5.71	-1.45	0.33546	0.576654	AT1G70880	polyketide cyclase, dehydrase and lipid transport domain-containing protein
13362897	5.18	5.74	-1.47	0.049668	0.379003	TPX2	targeting protein for XKLP2
13381493	5.18	5.8	-1.53	0.31149	0.566975	AT1G60730	NAD(P)-linked oxidoreductase-like protein
13414815	5.18	5.97	-1.73	0.494001	0.660957	AT2G30270	protein LURP-one-related 7
13543253	5.18	5.98	-1.75	0.117151	0.447046	AT5G64120	peroxidase 71
13362352	5.18	6.23	-2.07	0.490582	0.658772	ARFD1B; AT1G02420	ADP-ribosylation factor D1B; pentatricopeptide repeat-containing protein
13382013	5.18	6.54	-2.56	0.037858	0.362165	RPL3B	60S ribosomal protein L3-2
13465116	5.18	6.65	-2.79	0.018134	0.319762	AT4G02830	hypothetical protein
13443438	5.17	3.53	3.11	0.012504	0.301412	AT3G01850	ribulose-phosphate 3-epimerase
13385981	5.17	3.81	2.56	0.142009	0.468108	AT1G71200	basic helix-loop-helix domain-containing protein
13388837	5.17	3.85	2.5	0.019151	0.321499	AST56	sulfate transporter 2.2
13400444	5.17	3.95	2.32	0.011438	0.297771	AT2G34000	RING/U-box domain-containing protein
13423560	5.17	4.09	2.11	0.076885	0.411576	HSFA1E	heat stress transcription factor A-1e
13366573	5.17	4.15	2.03	0.228011	0.526027	AT1G11100	SNF2 , helicase and zinc-finger domain-containing protein
13339748	5.17	4.23	1.92	0.077816	0.413069	RUS3	hypothetical protein
13340483	5.17	4.24	1.9	0.092524	0.429659	AT1G15670	putative F-box/kelch-repeat protein
13400212	5.17	4.32	1.8	0.18665	0.500853	AT2G33360	hypothetical protein
13461328	5.17	4.38	1.73	0.072828	0.408418	AT3G57780	hypothetical protein
13391958	5.17	4.44	1.66	0.164362	0.485779	AT2G05810	armadillo/beta-catenin-like repeats-containing protein
13490331	5.17	4.52	1.56	0.039451	0.364851	AT4G27350	hypothetical protein
13440371	5.17	4.52	1.56	0.095083	0.431394	PIP5K4	phosphatidylinositol-4-phosphate 5-kinase 4
13472131	5.17	4.53	1.55	0.010709	0.297744	AT4G22720	glycoprotease M22 family protein
13496518	5.17	4.54	1.55	0.099278	0.433828	AT5G02280	SNARE-like superfamily protein
13426446	5.17	4.58	1.5	0.215476	0.519459	AT3G10420	P-loop containing nucleoside triphosphate hydrolase family protein
13437040	5.17	4.6	1.49	0.016912	0.317559	PDE312	CONSTANS interacting protein 5-like protein
13540101	5.17	4.59	1.49	0.521537	0.680006	PRF3	profilin 3
13435829	5.17	4.62	1.47	0.006137	0.280665	AT3G45660	major facilitator protein
13445574	5.17	4.62	1.46	0.286826	0.557153	PDK	pyruvate dehydrogenase kinase
13473126	5.17	4.63	1.45	0.354751	0.584396	AT4G24900	hypothetical protein
13391347	5.17	4.68	1.4	0.290846	0.558747	AT2G03810	18S pre-ribosomal assembly protein gar2-related protein
13422315	5.17	4.71	1.37	0.374446	0.593017	AT2G47090	RING Zn-finger domain-containing protein
13507399	5.17	4.72	1.36	0.336939	0.577005	PHYC	phytochrome C
13406698	5.17	4.82	1.28	0.142341	0.468511	AT2G01210	leucine-rich repeat transmembrane protein kinase-like protein
13436770	5.17	4.83	1.27	0.080085	0.414323	AT3G48120	hypothetical protein
13502460	5.17	4.83	1.26	0.280514	0.554406	AT5G16890	Exostosin family protein
13348865	5.17	4.85	1.25	0.416338	0.615562	MCM2	minichromosome maintenance protein 2
13473103	5.17	4.89	1.21	0.065434	0.402125	AT4G24800	MA3 domain-containing protein
13459695	5.17	4.91	1.19	0.533704	0.688184	AT3G53960	major facilitator protein
13544723	5.17	4.93	1.18	0.532002	0.687536	NPY3	Phototropic-responsive NPH3 family protein
13451709	5.17	4.94	1.17	0.609725	0.739641	PYRB	aspartate carbamoyltransferase
13458361	5.17	4.96	1.16	0.378834	0.594685	DWF4	cytochrome P450 90B1

13537386	5.17	4.96	1.16	0.489719	0.658225	BXL1	beta-xylosidase 1
13497609	5.17	4.97	1.15	0.543088	0.694359	AT5G04810	pentatricopeptide (PPR) repeat-containing protein
13438605	5.17	5.02	1.11	0.821164	0.885593	AT3G52630	Nucleic acid-binding, OB-fold-like protein
13381037	5.17	5.03	1.1	0.478904	0.651548	ZCW7	protein ZCW7
13501357	5.17	5.02	1.1	0.639922	0.760136	AT5G14140	nucleic acid binding / zinc ion binding protein
13435541	5.17	5.08	1.06	0.846985	0.903436	KP1	kinesin-like protein 1
13395393	5.17	5.12	1.04	0.728408	0.822019	AT2G21340	MATE efflux family protein
13395859	5.17	5.14	1.02	0.417422	0.61595	AT2G22360	molecular chaperone DnaJ
13544776	5.17	5.2	-1.02	0.873782	0.922026	TRB2; DG1	Homeodomain-like/winged-helix DNA-binding family protein; delayed greening 1 protein
13347353	5.17	5.2	-1.03	0.935725	0.961077	AT1G33120; PGY2	60S ribosomal protein L9-1
13456027	5.17	5.21	-1.03	0.928737	0.956788	AT3G44400	TIR-NBS-LRR class disease resistance protein
13542378	5.17	5.21	-1.03	0.916727	0.949611	IQD23	protein IQ-domain 23
13467174	5.17	5.3	-1.09	0.691962	0.796614	IQD16	protein IQ-domain 16
13369934	5.17	5.54	-1.29	0.32805	0.574416	AT1G19140	hypothetical protein
13385892	5.17	5.59	-1.34	0.278885	0.553568	MLP43	MLP-like protein 43
13538389	5.17	5.61	-1.36	0.090955	0.427987	PBS2	disease resistance protein
13377096	5.17	5.63	-1.37	0.230746	0.527788	AT1G48610	AT hook motif-containing protein
13357960	5.17	5.7	-1.45	0.227601	0.525679	AT1G71740	hypothetical protein
13425422	5.17	5.73	-1.47	0.019321	0.321499	AIR12	auxin-responsive-like protein
13343909	5.17	5.76	-1.51	0.327316	0.574109	AT1G23750	OB-fold nucleic acid binding domain-containing protein
13448476	5.17	5.82	-1.57	0.004981	0.268309	DRT100	DNA-damage-repair/toleration protein DRT100
13418191	5.17	6.04	-1.82	0.19704	0.507661	AT2G37510	RNA recognition motif-containing protein
13510120	5.17	6.13	-1.94	0.119146	0.449468	TZP	zinc knuckle (CCHC-type) family protein
13397166	5.17	6.51	-2.52	0.048257	0.37767	TIP4;1	aquaporin TIP4-1
13474956	5.17	7.09	-3.77	0.04646	0.377124	AT4G28840	hypothetical protein
13542130	5.17	7.18	-4.03	0.030594	0.350098	MYB28	myb domain protein 28
13533729	5.16	3.12	4.11	0.011987	0.301412	AT5G40020	pathogenesis-related thaumatin-like protein
13399058	5.16	3.69	2.77	0.008594	0.293015	AT2G30780	pentatricopeptide repeat-containing protein
13485407	5.16	4.18	1.98	0.011266	0.297771	CBL6	calcineurin B-like protein 6
13498300	5.16	4.26	1.86	0.025452	0.335434	emb2735	protein embryo defective 2735
13513338	5.16	4.29	1.83	0.24539	0.535223	AT5G51010	rubredoxin-like protein
13364916	5.16	4.35	1.75	0.108381	0.440354	MED22B	Surfeit locus protein 5 subunit 22 of Mediator complex
13499595	5.16	4.39	1.71	0.052415	0.382875	AT5G09450	pentatricopeptide repeat-containing protein
13516335	5.16	4.41	1.68	0.234775	0.529692	AT5G57860	ubiquitin family protein
13357611	5.16	4.54	1.53	0.303871	0.564474	AT1G70810	calcium-dependent lipid-binding domain
13362573	5.16	4.56	1.51	0.263379	0.544376	AT1G02960	hypothetical protein
13377741	5.16	4.62	1.46	0.005641	0.27943	AT1G50110	branched-chain-amino-acid aminotransferase 6
13386317	5.16	4.62	1.46	0.115622	0.446371	AT1G72300	Tyrosine-sulfated glycopeptide receptor 1
13369027	5.16	4.72	1.36	0.364039	0.589155	AT1G17090	hypothetical protein
13459949	5.16	4.74	1.34	0.313034	0.567941	SKIP5	F-box protein SKIP5
13382880	5.16	4.8	1.28	0.161494	0.483432	UBC5	ubiquitin-conjugating enzyme E2 5

13369359	5.16	4.81	1.27	0.01104	0.297771	AT1G17790	DNA-binding bromodomain-containing protein
13513607	5.16	4.82	1.27	0.176917	0.49325	AT5G51540	mitochondrial intermediate peptidase
13504541	5.16	4.83	1.25	0.106927	0.439124	AT5G22608; AT2G05185	hypothetical protein
13385006	5.16	4.89	1.21	0.665097	0.777564	AT1G68710; AT1G68700	phospholipid-translocating ATPase; hypothetical protein
13334618	5.16	4.92	1.18	0.350872	0.582019	SEC1A	protein transport sec1a
13490636	5.16	4.92	1.18	0.245469	0.535223	AT4G28020	hypothetical protein
13469974	5.16	4.96	1.15	0.271868	0.548926	AT4G17540	hypothetical protein
13441958	5.16	4.97	1.14	0.605895	0.736635	AHL18	AT-hook motif nuclear-localized protein 18
13419578	5.16	4.99	1.13	0.278164	0.552865	AT2G40815	Calcium-dependent lipid-binding (CaLB domain) family protein
13480795	5.16	4.98	1.13	0.542504	0.694165	AT4G01990	pentatricopeptide repeat-containing protein
13472965	5.16	5.02	1.11	0.771945	0.851463	CLT2	CRT (chloroquine-resistance transporter)-like transporter 2
13501958	5.16	5.01	1.11	0.186055	0.500418	AT5G15790	RING/U-box domain-containing protein
13508869	5.16	5.02	1.1	0.6181	0.745405	AT5G40720	hypothetical protein
13528111	5.16	5.07	1.07	0.737027	0.827712	AT5G19025	ribosomal protein L34e family protein
13406797	5.16	5.07	1.06	0.407818	0.610439	PIN4	auxin efflux carrier component 4
13461693	5.16	5.09	1.05	0.821749	0.885907	AT3G58630	sequence-specific DNA binding transcription factor
13467403	5.16	5.09	1.05	0.846892	0.903373	MPK5	mitogen-activated protein kinase 5
13408294	5.16	5.13	1.02	0.808051	0.876937	AT2G07777	ATP synthase 9
13355317	5.16	5.25	-1.06	0.417287	0.61589	AT1G64960	condensin-2 complex subunit G2
13523984	5.16	5.3	-1.1	0.893461	0.934481	BXL3	beta-xylosidase 3
13441498	5.16	5.35	-1.13	0.342339	0.579015	AT3G59880	hypothetical protein
13503938	5.16	5.33	-1.13	0.123881	0.453788	DIN10; FLA2	putative galactinol--sucrose galactosyltransferase 6; fasciclin-like arabinogalactan protein 2
13514647	5.16	5.45	-1.23	0.600761	0.732788	MLO11	MLO-like protein 11
13404639	5.16	5.47	-1.24	0.416906	0.61571	AT2G43800	formin-like protein 2
13485105	5.16	5.53	-1.29	0.326122	0.573704	AT4G15765	FAD/NAD(P)-binding oxidoreductase family protein
13357170	5.16	5.62	-1.38	0.035679	0.356207	ATHB13	homeobox-leucine zipper protein ATHB-13
13421582	5.16	6.1	-1.91	0.028442	0.346511	ZPR1	little zipper 1 protein
13408378	5.16	8.01	-7.22	0.392563	0.601642	AT2G07820	hypothetical protein
13393602	5.15	2.75	5.27	0.028951	0.347685	NAC036	NAC domain containing protein 36
13336414	5.15	3.9	2.37	0.0172	0.319147	ADS1	delta-9 acyl-lipid desaturase 1
13417138	5.15	4.01	2.2	0.047798	0.37767	AT2G35155	trypsin-like protein
13432123	5.15	4.03	2.17	0.207836	0.513608	AT3G23200	hypothetical protein
13357277	5.15	4.27	1.84	0.127735	0.457698	AT1G70150	zinc ion binding protein
13360538	5.15	4.34	1.76	0.007676	0.290374	AT1G78110	hypothetical protein
13362764	5.15	4.34	1.75	0.108143	0.439971	AT1G03457	RNA recognition motif-containing protein
13539765	5.15	4.36	1.73	0.100745	0.434702	AT5G55510	mitochondrial import inner membrane translocase subunit Tim17/Tim22/Tim23 family protein
13341260	5.15	4.49	1.59	0.01361	0.30942	AT1G17230	leucine-rich receptor-like protein kinase
13535683	5.15	4.47	1.59	0.334115	0.576298	AT5G45170	CbbY protein-like protein
13435420	5.15	4.5	1.57	0.068236	0.406394	AT3G44430	hypothetical protein

13502034	5.15	4.58	1.49	0.134923	0.463465	PAM1	plant adhesion molecule 1
13377400	5.15	4.63	1.44	0.110925	0.442308	AT1G49360	F-box protein
13471060	5.15	4.62	1.44	0.050969	0.38186	PTAC14	plastid transcriptionally active 14 protein
13363150	5.15	4.64	1.42	0.446959	0.634054	ERS2	ethylene response sensor 2
13512312	5.15	4.64	1.42	0.167931	0.487067	AT5G48650	nuclear transport factor 2 and RNA recognition motif domain-containing protein
13390071	5.15	4.67	1.4	0.319091	0.570076	ATXRCC1	DNA-repair protein XRCC1
13381964	5.15	4.7	1.37	0.267105	0.546492	AT1G61500	S-locus lectin protein kinase-like protein
13478618	5.15	4.72	1.35	0.179811	0.495459	AT4G37020	hypothetical protein
13478300	5.15	4.73	1.34	0.157691	0.480231	AT4G36150	TIR-NBS-LRR class disease resistance protein
13427005	5.15	4.73	1.33	0.023261	0.330182	AT3G11890	Sterile alpha motif (SAM) domain-containing protein
13479562	5.15	4.73	1.33	0.376828	0.59355	NST-K1	nucleotide sugar transporter-KT 1
13459674	5.15	4.75	1.32	0.590476	0.727137	SIGC	RNApolymerase sigma-subunit C
13419112	5.15	4.76	1.31	0.611529	0.740956	RHC2A	RING-H2 finger C2A
13469867	5.15	4.77	1.3	0.429421	0.622788	NS1	asparaginyl-tRNA synthetase
13544706	5.15	4.78	1.29	0.428629	0.622409	AT5G67390	hypothetical protein
13415368	5.15	4.82	1.26	0.325274	0.573176	PARP2	Poly [ADP-ribose] polymerase 1
13394359	5.15	4.85	1.24	0.198295	0.508011	AT2G18876	Afadin/alpha-actinin-binding protein
13426068	5.15	4.84	1.24	0.462992	0.643068	MYB3R-3	myb domain protein 3r-3
13460664	5.15	4.85	1.24	0.060969	0.397238	AT3G56160	Sodium bile acid symporter family protein
13415188	5.15	4.86	1.22	0.648366	0.766143	AT2G30933	carbohydrate-binding X8 domain-containing protein
13334981	5.15	4.88	1.21	0.38349	0.597736	IMPA-6	importin alpha isoform 6
13543355	5.15	4.95	1.15	0.642863	0.761908	AT5G64360	chaperone DnaJ-domain containing protein
13421719	5.15	4.96	1.14	0.028749	0.347331	AT2G45680	transcription factor TCP9
13440328	5.15	4.97	1.13	0.401919	0.606941	AT3G56900	aladin-related / adracalin-related protein
13340400	5.15	4.99	1.12	0.59345	0.728815	AT1G15480	pentatricopeptide repeat-containing protein
13448547	5.15	5.03	1.09	0.145187	0.470007	MYB67	myb domain protein 67
13449127	5.15	5.04	1.08	0.84436	0.90178	AT3G13845	hypothetical protein
13385440	5.15	5.06	1.06	0.781664	0.857901	AT1G69760	hypothetical protein
13447201	5.15	5.11	1.03	0.667954	0.779427	AT3G10130	heme-binding-like protein
13393260	5.15	5.13	1.02	0.720874	0.816968	AT2G15730	nodulation protein-like protein
13502075	5.15	5.12	1.02	0.716586	0.813786	AT5G15980	pentatricopeptide repeat-containing protein
13349569	5.15	5.13	1.01	0.957726	0.97502	YSL8	putative metal-nicotianamine transporter YSL8
13536312	5.15	5.24	-1.07	0.638324	0.759174	UBP21	ubiquitin carboxyl-terminal hydrolase 21
13459285	5.15	5.47	-1.25	0.436307	0.62739	GRF4	growth-regulating factor 4
13372326	5.15	5.59	-1.35	0.336257	0.576994	AT1G25400	hypothetical protein
13521577	5.15	5.59	-1.36	0.094793	0.431164	AT5G03500	Mediator complex, subunit Med7
13515550	5.15	5.88	-1.66	0.01758	0.319218	AT5G55970	RING/U-box domain-containing protein
13510170	5.15	6.06	-1.89	0.020279	0.322692	KCS20	3-ketoacyl-CoA synthase 19
13472875	5.15	6.24	-2.13	0.169694	0.488061	AT4G24380; AT4G24390	hypothetical protein; F-box protein FBX14
13414463	5.15	6.6	-2.73	0.041968	0.368598	LAC2	laccase 2
13374823	5.15	6.74	-3.02	0.187856	0.502152	AT1G32290	hypothetical protein
13357852	5.14	3.93	2.32	0.205845	0.512597	RLP12	receptor like protein 12
13517857	5.14	4.05	2.13	0.0962	0.432273	AT5G61260	calmodulin-binding protein-like protein
13357339	5.14	4.09	2.06	0.155964	0.478792	AT1G70250	putative receptor serine/threonine kinase

13361529	5.14	4.13	2	0.041594	0.367846	AT1G80400; EMB2753	RING/U-box domain-containing protein; tetratricopeptide repeat-containing protein
13334244	5.14	4.23	1.88	0.221654	0.522841	AT1G01240	hypothetical protein
13543412	5.14	4.23	1.88	0.125452	0.45467	AT5G64550; CPuORF22	loricrin-related protein; conserved peptide upstream open reading frame 22
13409515	5.14	4.26	1.84	0.03063	0.350098	AT2G17050	TIR-NBS-LRR class disease resistance protein
13476476	5.14	4.26	1.84	0.201611	0.510189	AT4G32360	ferredoxin--NADP+ reductase
13520054	5.14	4.4	1.67	0.271541	0.548926	ATRAD17	cell cycle checkpoint protein RAD17
13535304	5.14	4.52	1.54	0.282704	0.555512	RING1A	putative E3 ubiquitin-protein ligase RING1a
13459752	5.14	4.53	1.52	0.048344	0.37767	AT3G54120; PUMP1	reticulon-like protein B12; uncoupling mitochondrial protein 1
13366009	5.14	4.53	1.52	0.334812	0.576654	AT1G10095	protein prenylyltransferase
13425654	5.14	4.62	1.44	0.101836	0.435397	AT3G07870	F-box protein
13419872	5.14	4.62	1.43	0.183164	0.497967	AT2G41600; AT2G41590	glycoprotein family protein; hypothetical protein
13503253	5.14	4.64	1.42	0.044797	0.374597	BPM1	BTB-POZ and math domain-containing protein
13417541	5.14	4.67	1.39	0.310951	0.566973	FTSZ2-1	Tubulin/FtsZ-like protein
13375030	5.14	4.67	1.38	0.599018	0.731685	AT1G32930	putative beta-1,3-galactosyltransferase 6
13353529	5.14	4.69	1.36	0.26692	0.546486	AT1G59710; CRR28	hypothetical protein; pentatricopeptide repeat-containing protein
13519371	5.14	4.69	1.36	0.093905	0.430485	AT5G64730	transducin/WD40 domain-containing protein
13425789	5.14	4.71	1.35	0.348385	0.580705	AT3G08630	hypothetical protein
13440188	5.14	4.74	1.32	0.005985	0.280665	AT3G56410	hypothetical protein
13469840	5.14	4.74	1.32	0.017148	0.319147	AT4G17250	hypothetical protein
13500554	5.14	4.88	1.2	0.111548	0.443023	AT5G11870	Alkaline phytoceramidase (aPHC)
13536497	5.14	4.88	1.2	0.567455	0.710979	ERF2	ethylene-responsive transcription factor 2
13456654	5.14	4.91	1.17	0.497769	0.66373	UTR5	UDP-galactose transporter 5
13352736	5.14	4.99	1.11	0.287031	0.557153	AT1G55915	zinc ion binding protein
13535849	5.14	4.99	1.11	0.791754	0.865352	AT5G45580	transcription factor
13538588	5.14	4.98	1.11	0.352628	0.583252	AT5G52200	phosphoprotein phosphatase inhibitor
13424346	5.14	5	1.1	0.334917	0.576654	WNK1	serine/threonine-protein kinase WNK1
13437581	5.14	5.02	1.08	0.750383	0.836415	AT3G49890	hypothetical protein
13430327	5.14	5.07	1.05	0.026216	0.337568	ETP2	EIN2 targeting protein2
13384879	5.14	5.08	1.05	0.756669	0.840806	AT1G68340	hypothetical protein
13522673	5.14	5.06	1.05	0.619236	0.746316	AT5G06440	hypothetical protein
13508572	5.14	5.12	1.01	0.975061	0.985264	AT5G40030	protein kinase family protein
13403918	5.14	5.15	-1.01	0.971594	0.983395	GK-1	guanylate kinase 1
13355088	5.14	5.22	-1.05	0.71763	0.814396	RHD1	UDP-glucose 4-epimerase
13387850	5.14	5.22	-1.06	0.453041	0.637015	CLV1	receptor protein kinase CLAVATA1
13334614	5.14	5.27	-1.09	0.428561	0.622395	GAE2	UDP-D-glucuronate 4-epimerase 2
13530459	5.14	5.33	-1.14	0.297477	0.56231	BIN4	DNA-binding protein BIN4
13488297	5.14	5.41	-1.21	0.480816	0.652547	UTR2	UDP-galactose transporter 2
13433337	5.14	5.49	-1.27	0.012837	0.304248	MAD2	mitotic spindle checkpoint protein MAD2
13418779	5.14	5.52	-1.3	0.44079	0.629996	AT2G39040	peroxidase 24
13394459	5.14	5.56	-1.34	0.531084	0.686913	RALFL12	RALF-like 12 protein
13407880	5.14	5.66	-1.43	0.498126	0.663899	AT2G04850	auxin-responsive-like protein
13506676	5.14	5.81	-1.59	0.250341	0.537531	AT5G27770	60S ribosomal protein L22-3
13411605	5.14	6.17	-2.03	0.090599	0.427844	MIPS2	inositol-3-phosphate synthase isozyme 2

13438216	5.14	6.23	-2.13	0.000265	0.180656	IMK2	probably inactive leucine-rich repeat receptor-like protein kinase IMK2
13544882	5.14	6.42	-2.43	0.02066	0.324125	psbT	photosystem II protein T
13379717	5.13	3.59	2.91	0.015094	0.313401	PLDEPSILON	phospholipase D epsilon
13415634	5.13	3.97	2.23	0.066879	0.404372	PARG2	putative poly(ADP-ribose) glycohydrolase 2
13391221	5.13	4.08	2.06	0.065452	0.402125	UPS2	ureide permease 2
13526205	5.13	4.13	2	0.139291	0.466238	DRM2	DNA (cytosine-5)-methyltransferase DRM2
13491693	5.13	4.29	1.78	0.024197	0.332353	AT4G30720	FAD/NAD(P)-binding oxidoreductase-like protein
13462336	5.13	4.29	1.78	0.2349	0.529694	AT3G60070	major facilitator protein
13503094	5.13	4.3	1.77	0.075287	0.410503	BMY3	inactive beta-amylase 9
13341838	5.13	4.33	1.74	0.032461	0.353134	AT1G18610	galactose oxidase/kelch repeat domain-containing protein
13535920	5.13	4.4	1.66	0.335419	0.576654	AT5G45740	Ubiquitin domain-containing protein
13387187	5.13	4.43	1.62	0.435468	0.626723	RLP14	receptor like protein 14
13355339	5.13	4.55	1.49	0.055046	0.38707	AT1G65080	ALBINO3-like protein 2
13381392	5.13	4.64	1.4	0.441147	0.630118	AT1G60560	SWIM zinc finger-like protein
13423290	5.13	4.64	1.4	0.185865	0.500307	AT3G02340	RING/U-box domain-containing protein
13436704	5.13	4.67	1.38	0.164463	0.485844	AT3G47980	HPP integral membrane domain-containing protein
13438518	5.13	4.71	1.35	0.171654	0.489372	SPP2	putative sucrose-phosphatase 3b
13452616	5.13	4.71	1.34	0.249046	0.536662	AT3G22530	hypothetical protein
13482983	5.13	4.71	1.34	0.095307	0.431535	AT4G10810	hypothetical protein
13387515	5.13	4.76	1.29	0.358909	0.585914	ARC3	GTP binding protein
13405294	5.13	4.78	1.27	0.418154	0.616351	GCP1	glycoprotease 1
13491416	5.13	4.78	1.27	0.209618	0.514872	AT4G30097	hypothetical protein
13533340	5.13	4.78	1.27	0.061644	0.398106	APE1; AT5G38650	protein acclimation of photosynthesis to environment; Proteasome maturation factor UMP1
13538198	5.13	4.81	1.24	0.094727	0.431106	AT5G51170; AT5G51160	hypothetical protein; ankyrin repeat-containing protein
13459636	5.13	4.85	1.21	0.244307	0.534851	AT3G53810	concanavalin A-like lectin kinase-like protein
13406194	5.13	4.92	1.15	0.707476	0.807677	AT2G47350	HIT zinc finger and PAPA-1-like domain-containing protein
13450474	5.13	4.97	1.12	0.485356	0.655156	mtLPD2	dihydrolipoyl dehydrogenase 2
13485528	5.13	4.97	1.12	0.098141	0.433275	AT4G16563	aspartyl protease family protein
13476152	5.13	5	1.1	0.732886	0.825344	AT4G31650	B3 domain-containing protein REM6
13407593	5.13	5.02	1.08	0.803944	0.873732	AT2G03780	translin-like protein
13393122	5.13	5.1	1.02	0.876503	0.923854	AT2G15270	hypothetical protein
13430736	5.13	5.11	1.02	0.884477	0.929491	AT3G19870	hypothetical protein
13534025	5.13	5.12	1.01	0.991136	0.995175	AT5G40830	methyltransferase
13362830	5.13	5.17	-1.03	0.846386	0.903174	AT1G03560	pentatricopeptide repeat-containing protein
13354020	5.13	5.24	-1.08	0.781194	0.857563	AT1G61240	lysine ketoglutarate reductase trans-splicing related 1
13361918	5.13	5.25	-1.08	0.372003	0.591916	AT1G01320; AT1G01310	tetratricopeptide repeat-containing protein; allergen V5/Tpx-1-related family protein
13397936	5.13	5.24	-1.08	0.448141	0.634839	NAT12	nucleobase-ascorbate transporter 12
13404086	5.13	5.25	-1.08	0.234255	0.52953	AT2G42350	RING-H2 finger protein ATL40
13423483	5.13	5.27	-1.11	0.29218	0.559482	AT3G02820	CCHC-type zinc knuckle protein

13414530	5.13	5.38	-1.19	0.446058	0.633545	GSTU6	glutathione S-transferase
13370843	5.13	5.44	-1.24	0.374827	0.593164	emb2170	embryo defective 2170
13458042	5.13	5.45	-1.25	0.543144	0.694399	VDAC5	voltage dependent anion channel 5
13521594	5.13	5.46	-1.25	0.343585	0.579057	AT5G03550	hypothetical protein
13383548	5.13	5.5	-1.29	0.525237	0.682589	ECI1	delta(3), delta(2)-enoyl CoA isomerase 1
13338188	5.13	5.51	-1.3	0.169446	0.48788	ERG28	Ergosterol biosynthetic protein 28
13422732	5.13	5.56	-1.35	0.343726	0.579122	MYB106	myb domain protein 106
13424943	5.13	5.64	-1.42	0.287786	0.557356	AT3G06210	armadillo/beta-catenin-like repeat-containing protein
13494869	5.13	5.64	-1.42	0.123222	0.453558	GRF2	growth-regulating factor 2
13469832	5.13	5.66	-1.45	0.107617	0.439621	AT4G17215	Pollen Ole e 1 allergen and extensin family protein
13393051	5.13	5.85	-1.64	0.258772	0.541546	AT2G14900	gibberellin-regulated protein
13406379	5.13	5.91	-1.72	0.07535	0.410503	AT2G47630	alpha/beta-hydrolase domain-containing protein
13484608	5.13	6.02	-1.86	0.013741	0.309482	HCD1	3-hydroxyacyl-CoA dehydratase 1
13411694	5.13	6.09	-1.95	0.1569	0.479551	UCP5	uncoupling protein 5
13419467	5.13	6.91	-3.44	0.011338	0.297771	EXPA8	expansin A8
13545011	5.13	7.1	-3.91	0.2989	0.562461		
13433677	5.13	7.25	-4.34	0.03985	0.365591	CCL	CCR-like protein
13406143	5.12	3.64	2.79	0.121009	0.45228		
13361877	5.12	3.68	2.73	0.023231	0.330182	CIPK9	CBL-interacting serine/threonine-protein kinase 9
13406985	5.12	3.97	2.22	0.136744	0.465316	AT2G01818	PLATZ transcription factor family protein
13519067	5.12	4.21	1.88	0.007829	0.290374	SAL2	SAL2 phosphatase
13460723	5.12	4.22	1.86	0.067309	0.405555	AT3G56320	PAP/OAS1 substrate-binding domain-containing protein
13381470	5.12	4.32	1.75	0.40522	0.609014	AT1G60690	NAD(P)-linked oxidoreductase-like protein
13393447	5.12	4.37	1.68	0.131645	0.46184	bZIP23	basic helix-loop-helix domain-containing protein
13500099	5.12	4.5	1.54	0.004535	0.262377	AT5G10910	mraW methylase family protein
13475363	5.12	4.49	1.54	0.335365	0.576654	VIP3; MTO2	WD repeat-containing protein 61; threonine synthase 1
13471532	5.12	4.52	1.52	0.332861	0.576298	AT4G21192	cytochrome c oxidase biogenesis protein Cmc1-like protein
13451902	5.12	4.57	1.47	0.489561	0.658187	FIE; AT3G20730	polycomb group protein FERTILIZATION-INDEPENDENT ENDOSPERM; pentatricopeptide repeat-containing protein
13423643	5.12	4.59	1.45	0.266361	0.546291	AT3G03140	PWWP domain-containing protein
13519351	5.12	4.62	1.41	0.008993	0.295471	AT5G64680	hypothetical protein
13335887	5.12	4.66	1.37	0.082355	0.417664	PKT4	acetyl-CoA acyltransferase 1
13476057	5.12	4.72	1.33	0.508364	0.671222	AT4G31410	hypothetical protein
13430585	5.12	4.72	1.31	0.209132	0.514533	AT3G19460	reticulon-like protein B11
13506611	5.12	4.76	1.28	0.288147	0.557599	AT5G27690	heavy metal transport/detoxification domain-containing protein
13412498	5.12	4.78	1.27	0.451186	0.635865	AT2G24690	Transcriptional factor B3 family protein
13346985	5.12	4.84	1.21	0.488957	0.657839	AT1G32160	hypothetical protein
13442973	5.12	4.86	1.2	0.014747	0.313095	AT3G63510	FMN-linked oxidoreductase-like protein protein
13386905	5.12	4.93	1.15	0.32483	0.573118	AT1G73530	RNA recognition motif-containing protein

13422824	5.12	4.91	1.15	0.334152	0.576298	CFM2	CRM family member 2
13461226	5.12	4.91	1.15	0.607106	0.737449	AT3G57480	zinc finger AN1 and C2H2 domain-containing stress-associated protein 13
13516127	5.12	5.02	1.07	0.41792	0.616286	AT5G57230	Thioredoxin-like domain-containing protein
13444093	5.12	5.28	-1.12	0.155836	0.478792	AT3G03460	hypothetical protein
13405917	5.12	5.34	-1.16	0.36946	0.591543	AT2G46710	Rho GTPase activating protein with PAK-box/P21-Rho-binding domain
13452794	5.12	5.35	-1.17	0.204749	0.511575	AT3G23160	hypothetical protein
13389027	5.12	5.43	-1.24	0.337479	0.577061	TPS1; RHM1	alpha,alpha-trehalose-phosphate synthase [UDP-forming] 1; UDP-glucose 4,6-dehydratase
13340420	5.12	5.65	-1.44	0.027938	0.344388	CYCA2;3	cyclin-A2-3
13417570	5.12	5.66	-1.46	0.389662	0.599938	AT2G36300	Integral membrane Yip1-like protein
13363002	5.12	5.71	-1.5	0.075141	0.410503	AT1G04000	hypothetical protein
13521179	5.12	5.71	-1.51	0.073113	0.408856	NAP9	ABC transporter I family member 20
13483678	5.12	5.99	-1.83	0.1522	0.474512	FLA2	fasciclin-like arabinogalactan protein 2
13508783	5.11	3.97	2.2	0.053814	0.3842	AT5G40540	protein kinase family protein
13381865	5.11	4.29	1.76	0.246205	0.535608	AT1G61370	S-locus lectin protein kinase family protein
13363993	5.11	4.3	1.75	0.096377	0.43261	AT1G05870	hypothetical protein
13411817	5.11	4.3	1.75	0.176416	0.492841	AT2G22880	VQ motif-containing protein
13426716	5.11	4.35	1.7	0.106237	0.438191	AT3G11070	outer membrane OMP85-like protein
13356882	5.11	4.47	1.56	0.136878	0.465316	AT1G69160	hypothetical protein
13359478	5.11	4.47	1.56	0.228724	0.526483	AT1G75580	SAUR-like auxin-responsive protein
13493309	5.11	4.61	1.42	0.01615	0.315398	AT4G34020	class I glutamine amidotransferase domain-containing protein
13475885	5.11	4.62	1.4	0.027744	0.343879	AT4G31140	glucan endo-1,3-beta-glucosidase 5
13421799	5.11	4.72	1.32	0.26421	0.545186	BAM7	beta-amylase 7
13386729	5.11	4.76	1.27	0.423381	0.619098	AT1G73210	hypothetical protein
13431914	5.11	4.78	1.25	0.60259	0.733926	PHP	RNA pol II accessory factor CDC73-like protein
13453385	5.11	4.82	1.22	0.45516	0.638363	AT3G24530	AAA-type ATPase family protein / ankyrin repeat family protein
13340583	5.11	4.84	1.21	0.177631	0.493515	AT1G15920	putative CCR4-associated factor 1-2
13403545	5.11	4.9	1.16	0.645747	0.764123	AT2G41060	RNA recognition motif-containing protein
13341293	5.11	4.92	1.14	0.658857	0.774092	AT1G17285	hypothetical protein
13424486	5.11	4.95	1.11	0.637383	0.758654	AT3G05190	branched-chain-amino-acid aminotransferase-like protein 1
13442426	5.11	4.97	1.1	0.243533	0.534632	ARF18	auxin response factor 18
13460779	5.11	5	1.08	0.668374	0.779696	AT3G56430	hypothetical protein
13425937	5.11	5.03	1.06	0.83305	0.894447	AT3G08990	yippee-like protein
13465467	5.11	5.03	1.06	0.817986	0.88355	AT4G03960	tyrosine specific protein phosphatase family protein
13432844	5.11	5.03	1.05	0.512248	0.673703	AT3G24715	octicosapeptide/Phox/Bem1p domain-containing protein kinase
13444403	5.11	5.06	1.03	0.854312	0.908505	AT3G04160	hypothetical protein
13390550	5.11	5.08	1.02	0.911805	0.946441	AT2G01710	chaperone DnaJ-domain containing protein
13397125	5.11	5.08	1.02	0.828011	0.890676	AT2G25737	Sulfite exporter TauE/SafE family protein
13524162	5.11	5.11	-1.01	0.987205	0.992775	AT5G10110	hypothetical protein
13491514	5.11	5.14	-1.02	0.894473	0.935174	AT4G30330	small nuclear ribonucleoprotein E
13461028	5.11	5.18	-1.04	0.796124	0.868667	AT3G57060	condensin complex subunit 1

13517093	5.11	5.2	-1.07	0.739196	0.828826	AT5G59610	chaperone DnaJ-domain containing protein
13371826	5.11	5.29	-1.13	0.518189	0.677526	AT1G23850	hypothetical protein
13490873	5.11	5.39	-1.21	0.458509	0.64017	NAC074	NAC domain containing protein 74
13408959	5.11	5.43	-1.25	0.27078	0.548527	AT2G15000	hypothetical protein
13422082	5.11	5.69	-1.5	0.138682	0.46568	AT2G46567	hypothetical protein
13504658	5.11	5.73	-1.53	0.061568	0.398106	F8H	FRA8-like protein
13515023	5.11	5.8	-1.62	0.153629	0.476554	RAT5	histone H2A
13522831	5.11	5.97	-1.81	0.086191	0.421503	PA2	peroxidase 53
13508854	5.11	6.28	-2.25	0.136905	0.465354	AT5G40690	hypothetical protein
13335014	5.11	6.37	-2.41	0.035739	0.356434	AT1G02810	pectinesterase 7
13392231	5.11	7.1	-3.97	0.303469	0.564135		
13545337	5.11	7.1	-3.97	0.303469	0.564135		
13514760	5.1	2.61	5.64	0.012864	0.304248	HB52	homeobox-leucine zipper protein ATHB-52
13404234	5.1	3.37	3.32	0.122387	0.452662	CYP718	cytochrome P450, family 718
13342585	5.1	3.8	2.47	0.064813	0.401596	AT1G20380	prolyl oligopeptidase-like protein
13521163	5.1	3.91	2.28	0.11679	0.446833	Fes1C	protein Fes1C
13413501	5.1	4.16	1.92	0.063606	0.399503	CDPMEK	4-diphosphocytidyl-2-C-methyl-D-erythritol kinase
13459407	5.1	4.22	1.85	0.10183	0.435397	AT3G53310	B3 domain-containing protein REM20
13493065	5.1	4.25	1.81	0.001455	0.249401	RPD1	Ubiquitin carboxyl-terminal hydrolase family protein
13479460	5.1	4.27	1.77	0.221793	0.522974	APL3	glucose-1-phosphate adenylyltransferase large subunit 3
13385697	5.1	4.34	1.69	0.285831	0.556682	AT1G70350	hypothetical protein
13362537	5.1	4.36	1.67	0.310432	0.566973	LPA1	tetratricopeptide repeat (TPR)-containing protein
13537440	5.1	4.43	1.59	0.072552	0.408352	AT5G49550	hypothetical protein
13423833	5.1	4.46	1.56	0.248107	0.536387	RIF10	polyribonucleotide nucleotidyltransferase
13508299	5.1	4.48	1.55	0.026444	0.338646	AT5G39080	HXXXD-type acyl-transferase-like protein
13339573	5.1	4.49	1.53	0.36592	0.590066	DIS1	actin-related protein 3
13451272	5.1	4.5	1.52	0.046339	0.377124	AT3G19300	protein kinase family protein
13380940	5.1	4.51	1.5	0.164898	0.485944	AT1G58410	putative disease resistance protein RXW24L
13442489	5.1	4.54	1.48	0.064334	0.400795	NGA2	B3 domain-containing transcription factor NGA2
13427213	5.1	4.59	1.42	0.386914	0.598595	AT3G12350	F-box protein
13347231	5.1	4.66	1.35	0.067277	0.405555	NAC13	NAC domain protein 13
13469947	5.1	4.66	1.35	0.467493	0.645255	AT4G17440	hypothetical protein
13503739	5.1	4.74	1.28	0.107086	0.439338	AT5G19840	transcription factor jumonji (jmjC) domain-containing protein
13448148	5.1	4.82	1.21	0.086152	0.421503	AT3G12040	DNA-3-methyladenine glycosylase
13481168	5.1	4.84	1.2	0.481032	0.652645	UBQ14; UBQ10; UBQ11	polyubiquitin 14; polyubiquitin 10; ubiquitin 11
13480486	5.1	4.85	1.19	0.310558	0.566973	WRKY22	WRKY transcription factor 22
13383143	5.1	4.89	1.15	0.645608	0.764053	AT1G64610	WD40 domain-containing protein
13525576	5.1	4.93	1.13	0.686136	0.792352	AT5G13410	putative FKBP-type peptidyl-prolyl cis-trans isomerase 7
13519611	5.1	4.94	1.12	0.530233	0.686583	AT5G65180	ENTH/VHS family protein
13376366	5.1	4.95	1.11	0.313143	0.567941	AT1G44920	hypothetical protein
13512089	5.1	5.01	1.06	0.576118	0.716868	AT5G48240	hypothetical protein

13481145	5.1	5.04	1.04	0.680879	0.788524	AT4G02850	phenazine biosynthesis PhzC/PhzF family protein
13407734	5.1	5.06	1.02	0.556508	0.70371	AT2G04280	hypothetical protein
13396588	5.1	5.12	-1.01	0.697492	0.800828	AT2G24280	alpha/beta-hydrolase domain-containing protein
13402707	5.1	5.12	-1.01	0.918149	0.950437	PGP1	phosphatidylglycerolphosphate synthase 1
13433818	5.1	5.14	-1.02	0.96283	0.977987	AT3G27230	S-adenosyl-L-methionine-dependent methyltransferase-like protein
13437127	5.1	5.13	-1.02	0.964642	0.979237	GSA2	glutamate-1-semialdehyde 2,1-aminomutase 2
13508346	5.1	5.14	-1.03	0.940778	0.9645	AT5G39350	pentatricopeptide repeat-containing protein
13431808	5.1	5.15	-1.04	0.942227	0.965477	AOX1A	alternative oxidase 1A
13474773	5.1	5.21	-1.08	0.752684	0.838019	IAA11	auxin-responsive protein IAA11
13375394	5.1	5.22	-1.09	0.329179	0.574796	AT1G34110	leucine-rich receptor-like protein kinase
13469565	5.1	5.25	-1.12	0.109771	0.440987	INT4	inositol transporter 4
13392856	5.1	5.33	-1.17	0.59842	0.731537	AT2G14110	haloacid dehalogenase-like hydrolase domain-containing protein
13441863	5.1	5.33	-1.17	0.069455	0.406403	AT3G60660	spindle and kinetochore-associated protein 1-like protein
13404110	5.1	5.43	-1.26	0.046372	0.377124		
13388470	5.1	5.43	-1.26	0.665288	0.777684	AT1G77260	putative methyltransferase PMT10
13464862	5.1	5.46	-1.28	0.313052	0.567941	ATPMEPCRB	pectinesterase 41
13497851	5.1	6.17	-2.1	0.174135	0.491293	LAC12	laccase 12
13362880	5.09	3.36	3.31	0.088061	0.424318		
13378110	5.09	3.87	2.32	0.024234	0.332533	AT1G51170	protein kinase domain-containing protein
13441879	5.09	3.91	2.26	0.10556	0.437428	AT3G60690	SAUR-like auxin-responsive protein
13391704	5.09	4.03	2.09	0.044002	0.373501	AT2G04795	hypothetical protein
13335294	5.09	4.03	2.08	0.027953	0.344388	AT1G03340	hypothetical protein
13527340	5.09	4.07	2.02	0.171353	0.489309	APG5	autophagy protein 5
13518408	5.09	4.19	1.87	0.008722	0.293015	AT5G62560	U-box domain-containing protein 41
13460278	5.09	4.31	1.71	0.202717	0.510485	AT3G55080	SET domain-containing protein
13420201	5.09	4.34	1.68	0.062535	0.398248	NUDX23	nudix hydrolase 23
13420027	5.09	4.36	1.66	0.152818	0.475608	AT2G41770	hypothetical protein
13337883	5.09	4.43	1.58	0.083132	0.417856	AT1G09300	metallopeptidase M24-like protein
13428026	5.09	4.48	1.53	0.364577	0.58944	AT3G14220	GDSL esterase/lipase
13385143	5.09	4.55	1.46	0.037286	0.360697	AT1G68940; AT1G68935	putative U-box domain-containing protein 42; hypothetical protein
13502259	5.09	4.61	1.4	0.038923	0.364658	AT5G16420	pentatricopeptide repeat-containing protein
13472145	5.09	4.61	1.39	0.310394	0.566973	AT4G22758	hypothetical protein
13457139	5.09	4.71	1.3	0.24394	0.534763	AT3G47530	pentatricopeptide repeat-containing protein
13442370	5.09	4.76	1.26	0.584779	0.723582	CRF6	ethylene-responsive transcription factor CRF6
13337474	5.09	4.78	1.24	0.095028	0.431394	AT1G08590	leucine-rich receptor-like protein kinase-like protein
13430508	5.09	4.82	1.2	0.710224	0.809417	AT3G19330	hypothetical protein
13530093	5.09	4.84	1.19	0.439668	0.629464	AT5G24000	hypothetical protein
13371451	5.09	4.85	1.18	0.150307	0.473213	AT1G22985	ethylene-responsive transcription factor ERF069
13350876	5.09	4.88	1.16	0.079858	0.414251	AT1G51580	RNA-binding KH domain-containing protein
13457285	5.09	4.89	1.16	0.378337	0.594453	AT3G47940	putative DNAJ heat shock protein

13367924	5.09	5.03	1.05	0.830831	0.892701	AT1G14600	DNA binding / transcription factor
13366097	5.09	5.12	-1.02	0.887207	0.930915	AT1G10320	zinc finger CCCH domain-containing protein 5
13477038	5.09	5.13	-1.03	0.753747	0.83893	AT4G33440	glycoside hydrolase family 28 protein / polygalacturonase (pectinase) family protein
13491925	5.09	5.16	-1.05	0.904894	0.941797	AT4G31240	putative nucleoredoxin 3
13407509	5.09	5.21	-1.09	0.516445	0.676217	AT2G03430	26S proteasome non-ATPase regulatory subunit 10
13436529	5.09	5.33	-1.18	0.035363	0.355898	EB1A	microtubule end binding protein EB1A
13454677	5.09	5.34	-1.19	0.541942	0.693664		
13429155	5.09	5.37	-1.22	0.275078	0.550583	MLP-300B	myrosinase-binding protein-like protein-300B
13450378	5.09	5.45	-1.28	0.190572	0.503959	LPD1	lipoamide dehydrogenase 1
13498611	5.09	5.46	-1.3	0.168438	0.487177	LAC13	laccase 13
13543862	5.09	5.5	-1.33	0.594557	0.729615	AT5G65609	hypothetical protein
13442202	5.09	5.53	-1.35	0.334164	0.576298	AT3G61370	hypothetical protein
13363936	5.09	5.66	-1.48	0.414498	0.614187	AT1G05660	Pectin lyase-like protein
13456625	5.09	5.7	-1.53	0.286147	0.556883	AT3G46080	C2H2-type zinc finger protein
13516639	5.09	5.74	-1.57	0.105941	0.437652	AT5G58300; MES18	putative inactive receptor kinase; methyl esterase 18
13503761	5.09	5.75	-1.58	0.185391	0.499807	AT5G19875	hypothetical protein
13343893	5.09	5.91	-1.76	0.464301	0.643588	AT1G23720	Proline-rich extensin-like family protein
13498314	5.09	6.2	-2.16	0.007369	0.288531	AT5G06270	hypothetical protein
13352967	5.09	7.7	-6.12	0.192751	0.505579	AT1G56530; AT3G50250	hydroxyproline-rich glycoprotein family protein; hypothetical protein
13524730	5.08	3.22	3.61	0.009415	0.296261	AT5G11250	TIR-NBS-LRR class disease resistance protein
13531865	5.08	3.8	2.42	0.029456	0.348027	BZO2H3	bZIP transcription factor-like protein
13477204	5.08	4	2.11	0.075096	0.410503	AT4G33890	hypothetical protein
13445537	5.08	4.07	2.02	0.138689	0.46568	AT3G06440	putative beta-1,3-galactosyltransferase 16
13369248	5.08	4.21	1.82	0.042172	0.368598	AT1G17640	RNA recognition motif-containing protein
13391684	5.08	4.29	1.74	0.193612	0.505856	AT2G04740	ankyrin repeat-containing protein
13404009	5.08	4.43	1.57	0.124374	0.453788	AT2G42190	hypothetical protein
13474231	5.08	4.46	1.54	0.336091	0.576994	AT4G27435	hypothetical protein
13389664	5.08	4.47	1.52	0.097278	0.433165	AT1G79630	putative protein phosphatase 2C 18
13497842	5.08	4.53	1.47	0.305396	0.565001	AT5G05365	metal ion binding protein
13531500	5.08	4.59	1.41	0.474888	0.64915	AT5G27490	Yip1 integral membrane domain-containing protein
13424133	5.08	4.6	1.4	0.351592	0.582655	PEX12	peroxin-12
13501671	5.08	4.6	1.4	0.329044	0.574751		
13526652	5.08	4.65	1.35	0.27375	0.550335	AT5G15700	DNA-directed RNA polymerase 2
13433564	5.08	4.7	1.3	0.219821	0.521702	ARO4	armadillo repeat only 4 protein
13474312	5.08	4.72	1.29	0.075427	0.410503	AT4G27680	26S proteasome regulatory particle chain RPT6-like protein
13396796	5.08	4.72	1.28	0.179652	0.495225	MAPR2; AT2G24945	putative steroid-binding protein 3; hypothetical protein
13425384	5.08	4.78	1.23	0.38546	0.598186	AT3G07200	RING/U-box domain-containing protein
13438321	5.08	4.82	1.19	0.084713	0.418724	AT3G52050	5'-3' exonuclease-like protein
13516926	5.08	4.82	1.19	0.363074	0.588585	TOPP2	serine/threonine-protein phosphatase PP1 isozyme 2
13528492	5.08	4.83	1.19	0.169897	0.48812	AT5G19950	hypothetical protein

13401940	5.08	4.84	1.18	0.627254	0.751461	AT2G37420	ATP binding microtubule motor family protein
13483000	5.08	4.84	1.18	0.471485	0.64746	KELP; AT4G10910	RNA polymerase II transcriptional coactivator KELP; hypothetical protein
13376655	5.08	4.85	1.17	0.644981	0.763574	PUP19	purine permease 19
13388462	5.08	4.85	1.17	0.4659	0.644721	AT1G77250	RING/FYVE/PHD zinc finger-containing protein
13376878	5.08	4.86	1.16	0.188611	0.502829	NPSN12	Novel plant SNARE 12
13516439	5.08	4.95	1.1	0.201531	0.510189	AT5G58020	hypothetical protein
13422608	5.08	4.98	1.08	0.662487	0.776028	AT2G48000	pentatricopeptide repeat-containing protein-like protein
13512535	5.08	4.98	1.07	0.519755	0.678735	AT5G49210	hypothetical protein
13359232	5.08	5.03	1.03	0.923985	0.954197	AT1G74780	nodulin-like and major facilitator domain-containing protein
13396066	5.08	5.15	-1.05	0.711511	0.810115	AT2G22790	hypothetical protein
13393665	5.08	5.17	-1.06	0.869846	0.919075	GLR2	glutamate receptor 3.1
13501745	5.08	5.18	-1.07	0.814335	0.881217	AT5G15180	peroxidase 56
13529854	5.08	5.17	-1.07	0.670159	0.781046	HMGB6	high-mobility group B6 protein
13479611	5.08	5.32	-1.18	0.589479	0.726742	SK2	shikimate kinase 2
13471085	5.08	5.36	-1.22	0.018913	0.321499	AT4G20170	hypothetical protein
13360250	5.08	5.39	-1.23	0.392808	0.601749	AT1G77500	hypothetical protein
13473241	5.08	5.39	-1.24	0.234001	0.529452	SRS2	P-loop containing nucleoside triphosphate hydrolase-like protein
13376300	5.08	5.48	-1.31	0.092948	0.429815	CH1	chlorophyllide a oxygenase
13467763	5.08	5.52	-1.36	0.079937	0.414259	AT4G12270	copper amine oxidase family protein
13398975	5.08	5.55	-1.38	0.151234	0.473698	DRIP2	E3 ubiquitin protein ligase DRIP2
13469132	5.08	5.66	-1.49	0.316253	0.568464	AT4G15563	hypothetical protein
13413149	5.08	6.01	-1.9	0.008227	0.292482	KCS10	3-ketoacyl-CoA synthase 10
13514371	5.08	6.01	-1.91	0.064221	0.400717	AGP22	arabinogalactan protein 22
13452485	5.08	6.3	-2.34	0.203369	0.510709	AT3G22070	proline-rich family protein
13370814	5.08	6.33	-2.39	0.230841	0.527788	AT1G21326	VQ motif-containing protein
13485810	5.08	7.6	-5.72	0.011101	0.297771	EXLB1	expansin-like B1
13488367	5.07	2.74	5.01	0.010492	0.296343	CRK5	cysteine-rich receptor-like protein kinase 5
13511573	5.07	3.66	2.65	0.057623	0.39275	GATA27	GATA transcription factor 27
13386441	5.07	4.13	1.91	0.103837	0.436337	AT1G72540	protein kinase-like protein
13340743	5.07	4.2	1.83	0.135728	0.464905	AT1G16250	F-box/kelch-repeat protein
13521306	5.07	4.26	1.75	0.158773	0.481364	AT5G02670	hypothetical protein
13342158	5.07	4.38	1.62	0.271616	0.548926	AT1G19170	Pectin lyase-like protein
13437550	5.07	4.4	1.58	0.078083	0.413688	AT3G49840	hypothetical protein
13367642	5.07	4.53	1.45	0.003845	0.25862	QUL1	putative methyltransferase PMT4
13454851	5.07	4.55	1.44	0.306584	0.565398	AT3G28640	pentatricopeptide repeat-containing protein
13486411	5.07	4.55	1.43	0.317419	0.569005	AT4G18100	60S ribosomal protein L32-1
13369270	5.07	4.56	1.42	0.345218	0.580035	AT1G17665	hypothetical protein
13542033	5.07	4.57	1.42	0.346744	0.58045	AT5G61220	LYR family of Fe/S cluster biogenesis protein
13374519	5.07	4.58	1.4	0.106757	0.439045	AT1G31500	carbon catabolite repressor protein 4-like 4
13499244	5.07	4.58	1.4	0.246078	0.535608	AT5G08440	hypothetical protein
13507309	5.07	4.72	1.28	0.163671	0.485391	MIS12	minichromosome instability 12-like protein
13377651	5.07	4.75	1.25	0.138666	0.46568	AT1G50000	ribosomal RNA small subunit methyltransferase E

13341688	5.07	4.78	1.22	0.472803	0.648172	AT1G18320	Tim17 domain-containing protein
13376095	5.07	4.78	1.22	0.436358	0.627416	ty2	thioredoxin Y2
13382924	5.07	4.89	1.13	0.499011	0.664402	AT1G63840	RING/U-box domain-containing protein
13423994	5.07	4.93	1.1	0.182411	0.497411	AT3G03980	3-oxoacyl-[acyl-carrier protein] reductase
13531672	5.07	4.93	1.1	0.709647	0.809056	AT5G28040	DNA-binding storekeeper protein-related transcriptional regulator
13347427	5.07	5	1.05	0.22346	0.524399	AT1G33330	Class I peptide chain release factor
13366700	5.07	5.02	1.04	0.897514	0.936817	AT1G11390	aarF domain-containing kinase
13507587	5.07	5.03	1.03	0.844853	0.902138	CAT3	cationic amino acid transporter 3
13535737	5.07	5.05	1.01	0.946325	0.967861	AT5G45275	major facilitator protein
13420980	5.07	5.09	-1.01	0.890746	0.932881	AT2G43870	putative polygalacturonase /pectinase
13460619	5.07	5.11	-1.03	0.878	0.924989	ROC2	Peptidyl-prolyl cis-trans isomerase CYP19-3
13374914	5.07	5.13	-1.04	0.869111	0.918638	AT1G32530	MND1-interacting protein 1
13420845	5.07	5.16	-1.07	0.888395	0.931703	AT2G43490	RAB GTPase activator protein
13428780	5.07	5.32	-1.19	0.479319	0.651723	AT3G15690	putative acetyl-CoA carboxylase biotin-containing subunit
13454944	5.07	5.44	-1.3	0.446234	0.633649	AIG2	protein AIG2
13375006	5.07	5.46	-1.32	0.230451	0.527602	AT1G32860	glucan endo-1,3-beta-glucosidase 11
13367019	5.07	5.5	-1.35	0.070951	0.407802	AT1G12380	hypothetical protein
13531559	5.07	5.51	-1.35	0.426101	0.620795	HTA7	histone H2A 7
13447589	5.07	5.71	-1.55	0.215994	0.519767	AT3G10815	RING/U-box domain-containing protein
13438535	5.07	5.78	-1.64	0.068832	0.406403	FLA15	fasciclin-like arabinogalactan protein 15
13533725	5.07	5.94	-1.83	0.153383	0.476381	AT5G40000	AAA-type ATPase family protein
13489968	5.06	3.87	2.28	0.117565	0.447676	AT4G26620	Sucrase/ferredoxin-like protein
13509650	5.06	3.87	2.28	0.056617	0.389762	ARC6	chaperone DnaJ-domain containing protein
13348171	5.06	3.9	2.23	0.18857	0.502829	AT1G35680	50S ribosomal protein L21
13343721	5.06	3.94	2.17	0.057801	0.39275	AT1G23160	auxin-responsive GH3-like protein
13477124	5.06	4.17	1.86	0.30034	0.563242	AT4G33620	putative ubiquitin-like-specific protease 2A
13445528	5.06	4.18	1.84	0.01795	0.319749	EMB2750	pentatricopeptide repeat-containing protein
13474733	5.06	4.28	1.72	0.303262	0.564076	AT4G28550	RabGAP/TBC domain-containing protein
13343477	5.06	4.39	1.59	0.011589	0.299497	RABG3B	Ras-related protein Rab7
13359438	5.06	4.39	1.59	0.145643	0.470297	AT1G75420	UDP-glycosyltransferase-like protein
13430867	5.06	4.41	1.57	0.114907	0.446247	CYP705A18	cytochrome P450, family 705, subfamily A, polypeptide 18
13513626	5.06	4.41	1.57	0.239422	0.53252	LPA2	low psii accumulation2 protein
13440192	5.06	4.44	1.54	0.243815	0.534763	ATG18D	autophagy 18D-like protein
13462241	5.06	4.48	1.49	0.225376	0.524988	AT3G59890	dihydrodipicolinate reductase 2
13356241	5.06	4.52	1.46	0.048705	0.377942	AT1G67690	zincin-like metalloproteases-like protein
13535270	5.06	4.55	1.43	0.324213	0.572955	AT5G44150	hypothetical protein
13392382	5.06	4.6	1.38	0.184578	0.499178	MRP11	multidrug resistance-associated protein 11
13385617	5.06	4.62	1.36	0.507287	0.67051	AT1G70200	RNA recognition motif-containing protein
13344082	5.06	4.62	1.35	0.125385	0.454575	AT1G24265	hypothetical protein
13487971	5.06	4.63	1.35	0.144176	0.469359	AT4G22290	ubiquitin-specific protease C19-related protein
13469581	5.06	4.65	1.33	0.230148	0.527363	PRMT7	protein arginine N-methyltransferase 7
13346856	5.06	4.67	1.31	0.479874	0.652001	AT1G31870	pre-mRNA-splicing factor CWC26
13430813	5.06	4.7	1.28	0.087121	0.422399	AT3G19990	hypothetical protein
13490604	5.06	4.71	1.28	0.517339	0.677034	AT4G27860; AT4G27850	vacuolar iron transporter-like protein; glycine-rich family protein

13539117	5.06	4.7	1.28	0.192079	0.50525	AT5G53730	late embryogenesis abundant hydroxyproline-rich glycoprotein
13453135	5.06	4.78	1.21	0.572924	0.714948	AT3G24150	hypothetical protein
13526075	5.06	4.79	1.2	0.47607	0.649833	AT5G14460	tRNA pseudouridine synthase B
13464822	5.06	4.83	1.17	0.689622	0.794785	RSH1	RelA-SpoT like protein RSH1
13489267	5.06	4.84	1.17	0.602614	0.733926	AT4G25090	putative respiratory burst oxidase-like protein protein G
13527555	5.06	4.84	1.17	0.241845	0.533693	EMB1241	molecular chaperone GrpE
13356952	5.06	4.85	1.16	0.405233	0.609014	CM3	chorismate mutase 3
13487709	5.06	4.86	1.15	0.519916	0.678787	AT4G21770	RNA pseudourine synthase 6
13414049	5.06	4.87	1.14	0.122434	0.45272	AT2G28080	UDP-glycosyltransferase-like protein
13510702	5.06	4.92	1.1	0.660834	0.775362	AT5G45000	TIR-NBS-LRR class disease resistance protein
13338035	5.06	4.99	1.05	0.642951	0.761945	AT1G09580	emp24/gp25L/p24 family/GOLD domain-containing protein
13418214	5.06	5	1.04	0.505171	0.668653	AT2G37540; AT2G37530	Rossmann-fold NAD(P)-binding domain-containing protein; hypothetical protein
13498043	5.06	5.03	1.02	0.904664	0.941661	GCP2	tubulin gamma-2 chain
13532493	5.06	5.08	-1.02	0.947467	0.968648	AT5G36001	RING/U-box domain-containing protein-like protein
13376841	5.06	5.16	-1.07	0.713994	0.81194	AT1G48120	serine/threonine-protein phosphatase 7-like protein
13418977	5.06	5.28	-1.16	0.148466	0.471967	EXO70H2	exocyst complex component 7
13486361	5.06	5.3	-1.18	0.614468	0.742981	APRR2	two-component response regulator-like APRR2
13345239	5.06	5.33	-1.21	0.352377	0.583038	AT1G27660	transcription factor bHLH110
13447001	5.06	5.4	-1.26	0.235081	0.529705	IQD1	protein IQ-DOMAIN 1
13375929	5.06	5.41	-1.28	0.617582	0.745204	AT1G38131	O-fucosyltransferase-like protein
13423594	5.06	5.41	-1.28	0.333079	0.576298	AT3G03060	P-loop containing nucleoside triphosphate hydrolase-like protein
13540974	5.06	5.46	-1.31	0.648846	0.766469		
13383529	5.06	5.5	-1.35	0.256767	0.540953	FAS1	chromatin assembly factor-1 (FASCIATA1)
13540818	5.06	5.54	-1.39	0.03442	0.355201	AT5G58150	probably inactive leucine-rich repeat receptor-like protein kinase
13469646	5.06	5.53	-1.39	0.198694	0.508119	AT4G16670	hypothetical protein
13499693	5.06	5.69	-1.55	0.200719	0.509845	AT5G09840	Putative endonuclease or glycosyl hydrolase
13375763	5.06	5.97	-1.88	0.198448	0.508119	AT1G35830	VQ motif-containing protein
13429613	5.06	6.57	-2.84	0.23876	0.532292	AT3G17640	leucine-rich repeat-containing protein
13413771	5.06	7.64	-5.98	0.167725	0.486955	AT2G27390; AT2G27389	proline-rich family protein; hypothetical protein
13469199	5.05	1.69	10.31	0.014914	0.313095	AT4G15700	monothiol glutaredoxin-S3
13358490	5.05	3.87	2.26	0.034574	0.355201	AT1G72900	Toll-Interleukin-Resistance domain-containing protein
13476442	5.05	4.01	2.06	0.129577	0.459574	APX6	L-ascorbate peroxidase
13469021	5.05	4.15	1.86	0.098086	0.433275	ATB' GAMMA	protein phosphatase 2 (formerly 2A), regulatory subunit B'
13398063	5.05	4.32	1.65	0.36341	0.588673	AT2G28130	hypothetical protein
13408739	5.05	4.39	1.58	0.078692	0.414078	AT2G13840	Polymerase/histidinol phosphatase-like protein
13390578	5.05	4.44	1.53	0.096584	0.43273	MAP70-3	microtubule-associated proteins 70-3

13355712	5.05	4.51	1.45	0.135749	0.464905	TMK1	putative receptor protein kinase TMK1
13348991	5.05	4.59	1.37	0.51351	0.674617	AT1G45180	RING/U-box domain-containing protein
13391558	5.05	4.61	1.36	0.00101	0.238633	AT2G04380; AT2G04378	hypothetical protein; Beta-galactosidase related protein
13378514	5.05	4.65	1.32	0.66223	0.775886	AT1G52070	jacalin-like lectin domain-containing protein
13383458	5.05	4.65	1.32	0.576954	0.717284	AT1G65320	CBS domain-containing protein
13403421	5.05	4.72	1.26	0.394628	0.602899	AT2G40780	OB-fold nucleic acid binding domain-containing protein
13349262	5.05	4.73	1.25	0.212544	0.517763	SEC3B	exocyst complex component sec3B
13391293	5.05	4.72	1.25	0.067134	0.405452	CDC48B	cell division control protein 48-B
13524375	5.05	4.73	1.25	0.451828	0.636344	KAC1	geminivirus Rep-interacting motor protein
13476387	5.05	4.8	1.19	0.533858	0.688289	AT4G32190	Myosin heavy chain-related protein
13335311	5.05	4.84	1.16	0.254161	0.539615	AT1G03365	zinc ion binding protein
13352270	5.05	4.83	1.16	0.542595	0.69422	AT1G54890	Late embryogenesis abundant-related protein
13358695	5.05	4.84	1.16	0.177904	0.493837	AT1G73460	protein kinase domain-containing protein
13480920	5.05	4.88	1.12	0.497428	0.663523	AT4G02425	hypothetical protein
13399859	5.05	4.91	1.1	0.58716	0.72546	KAO2	Ent-kaurenoic acid oxidase 2
13426735	5.05	4.92	1.1	0.506257	0.669645	FAD7	omega-3 fatty acid desaturase
13428524	5.05	4.93	1.08	0.576412	0.71699	AT3G15190; AT3G15200	30S ribosomal protein S20; pentatricopeptide repeat-containing protein
13471597	5.05	4.95	1.07	0.653032	0.769732	SBT3.12	subtilase 3.12
13452551	5.05	4.99	1.04	0.747444	0.834408	AT3G22230	60S ribosomal protein L27-2
13518103	5.05	5	1.03	0.352041	0.582786	AT5G61920; APO3	hypothetical protein; APO protein 3
13483328	5.05	5.19	-1.1	0.823031	0.88685	PLDGAMMA2	phospholipase D gamma 2
13391858	5.05	5.24	-1.14	0.337213	0.577005		
13439026	5.05	5.24	-1.14	0.67666	0.78573	AT3G53650	histone H2B
13418341	5.05	5.27	-1.17	0.844713	0.902057	COPT4	copper transporter 4
13541306	5.05	5.41	-1.28	0.501535	0.666049	HAI1	protein phosphatase
13423490	5.05	5.44	-1.31	0.396354	0.604018	ZFN1	zinc finger CCCH domain-containing protein 33
13531766	5.05	5.93	-1.84	0.304027	0.564633	AT5G28380	pentatricopeptide repeat-containing protein
13462131	5.05	5.95	-1.87	0.11318	0.444311	AT3G59750	concanavalin A-like lectin kinase-like protein
13504076	5.05	6.02	-1.96	0.049903	0.379304	BGAL7	beta-galactosidase 7
13468159	5.04	2.76	4.86	0.042693	0.369746	MYB79	myb domain protein 79
13370766	5.04	3.28	3.38	0.00992	0.296261	AT1G21130	O-methyltransferase-like protein
13383083	5.04	3.36	3.19	0.032052	0.352673	LACS3	long-chain acyl-CoA synthetase
13416574	5.04	3.55	2.8	0.008872	0.293015	NUDT22	nudix hydrolase 22
13486192	5.04	3.84	2.3	0.06297	0.398838	AT4G17670	hypothetical protein
13461289	5.04	3.87	2.26	0.098062	0.433275	AT3G57590	F-box and associated interaction domain-containing protein
13523186	5.04	3.96	2.11	0.039785	0.365591	AT5G07650	Actin-binding FH2 protein
13394867	5.04	3.97	2.09	0.084834	0.419226	AT2G20100	transcription factor bHLH133
13414456	5.04	3.99	2.07	0.115575	0.446371	GLR2.7	glutamate receptor 2.7
13465112	5.04	4.2	1.8	0.087685	0.423636	AT4G02820	pentatricopeptide repeat-containing protein
13444202	5.04	4.25	1.72	0.037951	0.362432	WOX11	WUSCHEL related homeobox 11
13350564	5.04	4.26	1.71	0.107153	0.439357	AT1G50950	protein Disulfide Isomerase (PDIa) family, redox active TRX domain-containing protein
13448613	5.04	4.28	1.7	0.014022	0.311902	AT3G12940	dioxygenase-like protein

13356452	5.04	4.35	1.61	0.032934	0.354018	AT1G68040	S-adenosyl-L-methionine:carboxyl methyltransferase-like protein
13495999	5.04	4.41	1.54	0.046528	0.377387	AT5G01030	hypothetical protein
13420357	5.04	4.43	1.53	0.038654	0.364475	AT2G42450	alpha/beta-hydrolase domain-containing protein
13462043	5.04	4.44	1.51	0.023905	0.331704	AT3G59470	Far-red impaired responsive (FAR1) family protein
13539155	5.04	4.5	1.45	0.011266	0.297771	AT5G53880	hypothetical protein
13393139	5.04	4.55	1.4	0.173608	0.490872	ARFB1A	ADP-ribosylation factor B1A
13449072	5.04	4.57	1.39	0.079788	0.414251	PRA1.F4; AT3G13700	PRA1 family protein F4; RNA recognition motif-containing protein
13523992	5.04	4.61	1.35	0.535352	0.689353	HAM2	MYST-like histone acetyltransferase 2
13519045	5.04	4.65	1.31	0.545089	0.695828	SAL1	inositol polyphosphate 1-phosphatase
13338426	5.04	4.72	1.25	0.548303	0.698402	OTS2	ubiquitin-like-specific protease 1C
13413065	5.04	4.78	1.2	0.637964	0.75903	AT2G26030	F-box/FBD/LRR-repeat protein
13510133	5.04	4.81	1.17	0.66668	0.778749	AT5G43680	hypothetical protein
13398108	5.04	4.88	1.12	0.480349	0.652219	AT2G28200	C2H2-type zinc finger domain-containing protein
13397953	5.04	4.94	1.07	0.652585	0.769539	AT2G27830	hypothetical protein
13510930	5.04	4.94	1.07	0.5513	0.700478	AT5G45560	pleckstrin homology and lipid-binding START domain-containing protein
13379395	5.04	4.96	1.06	0.854438	0.908571	AT1G54217	ribosomal protein L18ae family protein
13354749	5.04	5	1.03	0.97408	0.984938	AT1G63530	hypothetical protein
13525363	5.04	5.06	-1.01	0.966586	0.980458	AT5G12900	hypothetical protein
13519305	5.04	5.1	-1.04	0.04405	0.373501		
13393421	5.04	5.11	-1.05	0.836139	0.896417	UBC29	ubiquitin-conjugating enzyme E2 29
13464686	5.04	5.11	-1.05	0.412523	0.61329	AT4G02040; STP7	hypothetical protein; sugar transport protein 7
13350171	5.04	5.21	-1.12	0.256333	0.540737	BUB3.2	cell cycle arrest protein BUB3
13372429	5.04	5.33	-1.22	0.622297	0.748258	AT1G26100; AT1G26090	cytochrome B561 domain-containing protein; P-loop containing nucleoside triphosphate hydrolase-like protein
13410046	5.04	5.33	-1.22	0.480992	0.652645	GATA20	GATA transcription factor 20
13382093	5.04	5.34	-1.23	0.532755	0.687669	AT1G61760	late embryogenesis abundant hydroxyproline-rich glycoprotein
13536746	5.04	5.39	-1.28	0.416433	0.615562	RABA4C	RAB GTPase homolog A4C
13373733	5.04	5.47	-1.35	0.332923	0.576298	AT1G29640	hypothetical protein
13454729	5.04	5.49	-1.37	0.002232	0.253459	GATL10	putative galacturonosyltransferase-like 10
13351969	5.04	5.52	-1.39	0.121216	0.45228	BRX-LIKE3	BREVIS RADIX-like 3
13467423	5.04	5.57	-1.44	0.368945	0.591312	RHA1A	RING-H2 zinc finger protein RHA1a
13479104	5.04	5.65	-1.53	0.599286	0.731685	AT4G38340	RWP-RK domain-containing protein
13426314	5.04	5.76	-1.64	0.042648	0.369732	MEE67	Tim17 domain-containing protein
13388448	5.04	5.77	-1.66	0.444233	0.63204	AT1G77200	ethylene-responsive transcription factor ERF037
13457078	5.04	5.99	-1.94	0.194668	0.505856	ASN1	asparagine synthetase [glutamine-hydrolyzing]
13363688	5.04	6.41	-2.58	0.120938	0.45228	AT1G05250; AT1G05240	peroxidase 1/2
13408365	5.04	6.77	-3.33	0.140482	0.466907	AT2G07721	hypothetical protein
13334873	5.04	6.86	-3.54	0.376023	0.593207		

13362853	5.04	6.86	-3.54	0.376023	0.593207		
13385152	5.04	6.86	-3.54	0.376023	0.593207		
13428734	5.04	6.86	-3.54	0.376023	0.593207		
13463229	5.04	6.86	-3.54	0.376023	0.593207		
13474205	5.04	6.86	-3.54	0.376023	0.593207		
13480731	5.04	6.86	-3.54	0.376023	0.593207		
13481419	5.04	6.86	-3.54	0.376023	0.593207		
13514904	5.04	6.86	-3.54	0.376023	0.593207		
13514912	5.04	6.86	-3.54	0.376023	0.593207		
13521559	5.04	6.86	-3.54	0.376023	0.593207		
13524833	5.04	6.86	-3.54	0.376023	0.593207		
13530935	5.04	6.86	-3.54	0.376023	0.593207		
13539566	5.04	6.86	-3.54	0.376023	0.593207		
13539568	5.04	6.86	-3.54	0.376023	0.593207		
13441664	5.03	3.84	2.27	0.027662	0.343507	AT3G60260	ELMO/CED-12 domain-containing protein
13345100	5.03	3.88	2.21	0.068683	0.406403	SPL11	squamosa promoter-binding-like protein 11
13390930	5.03	4.08	1.93	0.002104	0.253459	AT2G02630	cysteine/histidine-rich C1 domain-containing protein
13475640	5.03	4.25	1.72	0.081694	0.416797	AT4G30690	translation initiation factor IF-3
13474704	5.03	4.3	1.65	0.000126	0.167225	NAC073	NAC domain containing protein 73
13421228	5.03	4.37	1.58	0.120927	0.45228	AT2G44440	Emsy N Terminus (ENT) domain-containing protein
13539735	5.03	4.38	1.57	0.122271	0.452662	NHX3	sodium/hydrogen exchanger 4
13411895	5.03	4.39	1.55	0.158078	0.480597	AT2G23140	RING/U-box domain and ARM repeat-containing protein
13392191	5.03	4.42	1.53	0.213759	0.518273	PFD1	prefoldin 1
13460579	5.03	4.42	1.53	0.314923	0.568201	UGP3	UDP-glucose pyrophosphorylase 3
13463897	5.03	4.44	1.5	0.053225	0.383692	AT4G00300	fringe-related protein
13456458	5.03	4.47	1.48	0.137271	0.46568	AT3G45750	Nucleotidyltransferase family protein
13535362	5.03	4.48	1.47	0.260853	0.542969	PHT4;6	putative anion transporter 5
13495092	5.03	4.49	1.45	0.042099	0.368598	AT4G38150	pentatricopeptide repeat-containing protein
13518757	5.03	4.59	1.36	0.310637	0.566973	AT5G63440	hypothetical protein
13542714	5.03	4.63	1.31	0.180357	0.495835	AT5G62950	RNA polymerase II, Rpb4, core protein
13473380	5.03	4.67	1.28	0.599156	0.731685	AT4G25400	transcription factor bHLH118
13490982	5.03	4.81	1.17	0.044614	0.374597	AT4G29050	concanavalin A-like lectin kinase-like protein
13342658	5.03	4.82	1.16	0.721686	0.817459	AT1G20640	RWP-RK domain-containing protein
13402475	5.03	4.82	1.16	0.270392	0.548501	AT2G38695	hypothetical protein
13431000	5.03	4.86	1.13	0.497649	0.663633	AT3G20350	hypothetical protein
13464450	5.03	4.86	1.13	0.703625	0.804883	AT4G01570	pentatricopeptide repeat-containing protein
13418406	5.03	4.89	1.1	0.438759	0.628907	AT2G38025	cysteine proteinase-like protein
13443485	5.03	5.02	1.01	0.932189	0.958755	AT3G01980	Rossmann-fold NAD(P)-binding domain-containing protein
13477453	5.03	5.05	-1.01	0.962448	0.977877	AT4G34310	alpha/beta-hydrolase family protein-like protein
13362385	5.03	5.09	-1.04	0.715875	0.813431	AT1G02475	SRPBCC ligand-binding domain-containing protein
13498250	5.03	5.09	-1.04	0.850464	0.905828	SUC9	sucrose transport protein SUC9
13501377	5.03	5.13	-1.07	0.640081	0.760251	AT5G14230	hypothetical protein
13408171	5.03	5.14	-1.08	0.706885	0.807259	PLA2-ALPHA	Phospholipase A2-like protein
13364551	5.03	5.19	-1.12	0.772898	0.85191	AT1G07135	glycine-rich protein

13398382	5.03	5.2	-1.12	0.885804	0.930155		
13468464	5.03	5.2	-1.12	0.885804	0.930155		
13403275	5.03	5.2	-1.13	0.687879	0.793491	AT2G40510	40S ribosomal protein S26-2
13519324	5.03	5.2	-1.13	0.59021	0.727108	FAS2	transducin/WD40 domain-containing protein
13527122	5.03	5.22	-1.14	0.490946	0.659029	AT5G16810	protein kinase family protein
13390717	5.03	5.26	-1.17	0.510849	0.6726	AT2G02060	transcription factor
13435750	5.03	5.27	-1.18	0.375145	0.593207	AT3G45230	hydroxyproline-rich glycoprotein family protein
13427858	5.03	5.3	-1.21	0.570722	0.713034	IDD11	protein indeterminate(ID)-domain 11
13432905	5.03	5.42	-1.31	0.410529	0.611816	AT3G24840	Sec14p-like phosphatidylinositol transfer family protein
13343608	5.03	5.66	-1.55	0.24303	0.534289	AT1G22885	hypothetical protein
13452987	5.03	6.27	-2.36	0.004956	0.268309	SAHH2	adenosylhomocysteinase 2
13381981	5.03	6.99	-3.89	0.074252	0.410257	MLO6	MLO-like protein 6
13545319	5.03	7.32	-4.9	0.325737	0.573485	ArthMp070	hypothetical protein
13527799	5.02	3.46	2.95	0.096564	0.43273	AT5G18360	TIR-NBS-LRR class disease resistance protein
13514513	5.02	3.96	2.08	0.109447	0.440715	ACBP1	acyl-CoA binding protein 1
13366990	5.02	4.09	1.9	0.251811	0.538622	AT1G12290	CC-NBS-LRR class disease resistance protein
13412149	5.02	4.11	1.88	0.169575	0.48788	AT2G23950	putative LRR receptor-like serine/threonine-protein kinase
13474350	5.02	4.18	1.8	0.1489	0.471967	AT4G27740	yippee-like protein
13534030	5.02	4.21	1.75	0.248509	0.536505	SYN2	Sister chromatid cohesion 1 protein 2
13482745	5.02	4.23	1.74	0.019064	0.321499	AT4G10280; AT4G10270	cupin domain-containing protein; putative wound-responsive protein
13390372	5.02	4.29	1.67	0.249848	0.537312	IAA32	auxin-responsive protein IAA32
13404370	5.02	4.33	1.61	0.076082	0.410503		
13444474	5.02	4.32	1.61	0.139734	0.466308	PTAC3	plastid transcriptionally active 3
13493069	5.02	4.4	1.54	0.266657	0.546291	AT4G33500	putative protein phosphatase 2C 62
13482523	5.02	4.4	1.53	0.241685	0.53362	AT4G09620	Mitochondrial transcription termination factor family protein
13364838	5.02	4.46	1.48	0.069779	0.406403	RAD51D	DNA repair protein RAD51-like 4
13394021	5.02	4.47	1.47	0.25635	0.540737	TAF14	TBP-associated factor 14
13506922	5.02	4.54	1.4	0.108423	0.440409	WVD2	TPX2 (targeting protein for Xklp2) family protein
13471335	5.02	4.64	1.3	0.298026	0.562461	AT4G20720	dentin sialophosphoprotein-related protein
13498468	5.02	4.66	1.29	0.304071	0.564633	AT5G06800	myb-like HTH transcriptional regulator family protein
13501367	5.02	4.67	1.28	0.296189	0.561293	IMD1	3-isopropylmalate dehydrogenase 3
13362205	5.02	4.67	1.27	0.212169	0.517359	LAP6	Chalcone and stilbene synthase family protein
13394234	5.02	4.69	1.26	0.296537	0.56184	AT2G18630	hypothetical protein
13364199	5.02	4.72	1.23	0.021057	0.324489	FTSH8	cell division protease ftsH-8
13349718	5.02	4.73	1.22	0.168542	0.487177	AT1G48745	hypothetical protein
13361349	5.02	4.76	1.2	0.513823	0.674811	AT1G80000	CASC3/Barentsz eIF4AIII binding protein
13534864	5.02	4.8	1.16	0.381402	0.596438	NF-YC13	nuclear factor Y, subunit C13
13387128	5.02	4.81	1.15	0.640387	0.760374	AT1G74010	strictosidine synthase
13488579	5.02	4.83	1.14	0.796447	0.868887	AT4G23490	hypothetical protein
13434959	5.02	4.84	1.13	0.441217	0.630118	HA8	H(+)-ATPase 8

13473590	5.02	4.86	1.12	0.580291	0.72021	NFU3	NifU-like protein 3
13496309	5.02	4.96	1.04	0.888908	0.931997	CIPK15	CBL-interacting serine/threonine-protein kinase 15
13339822	5.02	4.98	1.03	0.806889	0.876066	AT1G13920	Remorin family protein
13540750	5.02	4.97	1.03	0.903983	0.941329	RPB5C	RNA polymerase II fifth largest subunit, C
13358121	5.02	5.05	-1.02	0.656793	0.772429	AT1G71970	hypothetical protein
13371095	5.02	5.07	-1.03	0.914144	0.947938	AT1G22030	hypothetical protein
13483747	5.02	5.05	-1.03	0.92664	0.955765	AT4G12840; AT4G12830	hypothetical protein; hydrolase, alpha/beta fold family protein
13404782	5.02	5.1	-1.05	0.698898	0.801792	AT2G44200	pre-mRNA splicing factor domain-containing protein
13534516	5.02	5.08	-1.05	0.856146	0.910049	AT5G42360	F-box/kelch-repeat protein
13477446	5.02	5.1	-1.06	0.721872	0.817547	AT4G34290	SWIB/MDM2 domain-containing protein
13498268	5.02	5.4	-1.3	0.551037	0.700387	AT5G06200	hypothetical protein
13449554	5.02	5.43	-1.33	0.127672	0.45753	AT3G14770	nodulin MtN3-like protein
13514338	5.02	5.45	-1.34	0.065128	0.401596	AT5G53144	hypothetical protein
13533607	5.02	5.5	-1.39	0.272014	0.548926	NAC6	NAC domain containing protein 6
13537946	5.02	5.6	-1.5	0.297227	0.56231	AT5G50562; AT5G50565; AT5G50665; AT2G38380	hypothetical protein; peroxidase 22
13414526	5.02	5.85	-1.78	0.146918	0.470962	GSTU7	glutathione S-transferase tau 7
13432048	5.02	5.93	-1.87	0.178225	0.49426	IAA7	auxin-responsive protein IAA7
13340261	5.02	5.99	-1.97	0.455888	0.638899	AT1G15125	S-adenosyl-L-methionine-dependent methyltransferase domain-containing protein
13380475	5.01	3.82	2.28	0.009821	0.296261	AT1G56610	RNI/FBD-like domain-containing protein
13530782	5.01	3.87	2.21	0.211033	0.516304	AT5G25240	hypothetical protein
13455084	5.01	4.06	1.94	0.303094	0.564046	AT3G29170	hypothetical protein
13541319	5.01	4.12	1.86	0.003158	0.253459	AT5G59260	concanavalin A-like lectin kinase-like protein
13545649	5.01	4.15	1.82	0.267145	0.546492	AT5G08230; AT5G08220	Tudor/PWWP/MBT domain-containing protein; hypothetical protein
13373345	5.01	4.24	1.71	0.048105	0.37767	AT1G28530	hypothetical protein
13425288	5.01	4.24	1.71	0.372442	0.591983	AT3G06980	DEAD-box ATP-dependent RNA helicase 50
13387316	5.01	4.26	1.68	0.185871	0.500307	AT1G74530	hypothetical protein
13509191	5.01	4.3	1.64	0.147272	0.471394	GLA1	folylpolyglutamate synthase
13509230	5.01	4.31	1.62	0.05257	0.382994	AT5G41620	hypothetical protein
13514017	5.01	4.34	1.6	0.195548	0.506402	OVA6	prolyl-tRNA synthetase
13502423	5.01	4.35	1.58	0.305834	0.565076	AT5G16760	inositol-tetrakisphosphate 1-kinase 1
13484824	5.01	4.36	1.56	0.373302	0.592428	AT4G14980	Cysteine/Histidine-rich C1 domain family protein
13350046	5.01	4.39	1.54	0.265221	0.545853	AT1G49560	myb family transcription factor
13498850	5.01	4.54	1.38	0.166853	0.486855	AT5G07630	lipid transporter
13380483	5.01	4.56	1.37	0.151852	0.47404	AT1G56630	lipase class 3-like protein
13537817	5.01	4.57	1.35	0.386476	0.598595	AT5G50350	hypothetical protein
13458527	5.01	4.6	1.33	0.480029	0.652001	RTH	RTE1-like protein
13420669	5.01	4.61	1.32	0.460878	0.641973	AT2G43180	phosphoenolpyruvate carboxylase-like protein
13447991	5.01	4.62	1.32	0.338695	0.577413	AT3G11745	hypothetical protein
13399313	5.01	4.66	1.28	0.250207	0.537509	emb1381	embryo defective 1381 protein

13336254	5.01	4.68	1.26	0.386392	0.598595	RABA5E	RAB GTPase homolog A5E
13409029	5.01	4.69	1.24	0.526666	0.683824	FUT4	xyloglucan fucosyltransferase
13464224	5.01	4.72	1.22	0.292063	0.559482	AT4G01020	zinc finger-related and helicase and IBR domain-containing protein
13469527	5.01	4.83	1.14	0.618764	0.745872	AT4G16390	pentatricopeptide repeat-containing protein
13537681	5.01	4.81	1.14	0.065092	0.401596	AT5G49960	putative ion channel POLLUX
13348506	5.01	4.83	1.13	0.262435	0.543595	GLR3.3	glutamate receptor 3.3
13530229	5.01	4.84	1.12	0.572686	0.714839	AT5G24260	dipeptidyl-peptidase 4
13401685	5.01	4.88	1.1	0.861955	0.91398	AT2G36854	hypothetical protein
13491521	5.01	4.93	1.06	0.68666	0.792696	DGK7	diacylglycerol kinase 7
13344560	5.01	4.94	1.05	0.600041	0.73229	AT1G26130	phospholipid-translocating ATPase
13396774	5.01	5	1.01	0.986983	0.992609	COL3	zinc finger protein CONSTANS-LIKE 3
13538163	5.01	5.04	-1.02	0.942793	0.965716	FSD2	Fe superoxide dismutase 2
13448262	5.01	5.05	-1.03	0.944457	0.966919	scpl16	serine carboxypeptidase-like 16
13475808	5.01	5.06	-1.03	0.875825	0.923375	AT4G30996	hypothetical protein
13447686	5.01	5.13	-1.08	0.630395	0.754104	RLP34	receptor like protein 34
13477766	5.01	5.12	-1.08	0.703024	0.80436	ADF9	actin depolymerizing factor 9
13425209	5.01	5.16	-1.11	0.693587	0.797875	AT3G06780	glycine-rich protein
13475119	5.01	5.27	-1.2	0.226712	0.525438	ATMND1	meiotic nuclear division protein 1-like protein
13381458	5.01	5.29	-1.21	0.410285	0.611683	CB5LP	cytochrome B5-like protein
13431256	5.01	5.34	-1.26	0.267891	0.546492	NEK5	NIMA-related kinase 5
13474614	5.01	5.4	-1.31	0.219847	0.521702	AT4G28350	concanavalin A-like lectin kinase-like protein
13382573	5.01	5.6	-1.5	0.016325	0.315398	AT1G63100	scarecrow-like protein 28
13369708	5.01	5.64	-1.55	0.130723	0.460628	HIK	ATP binding microtubule motor family protein
13472012	5.01	5.69	-1.6	0.535117	0.689242	AT4G22212	defensin-like protein 98
13388852	5.01	6.09	-2.11	0.008166	0.291978	AT1G78060; PGM	putative beta-D-xylosidase 7; phosphoglycerate/bisphosphoglycerate mutase
13420128	5	3.69	2.48	0.076845	0.411576	AT2G41890	curculin-like mannose-binding lectin fand PAN domain-containing protein
13403967	5	3.77	2.34	0.004195	0.262292	AT2G42060	cysteine/histidine-rich C1 domain-containing protein
13414395	5	3.77	2.34	0.015169	0.313468	EXPA6	expansin A6
13539222	5	3.83	2.25	0.085716	0.420651	AT5G54090; HGO	DNA mismatch repair protein MutS, type 2; homogentisate 1,2-dioxygenase
13359841	5	3.95	2.08	0.132761	0.462428	CP12-3	CP12 domain-containing protein 3
13415350	5	4.18	1.77	0.072865	0.408453	ARPC1B	actin-related protein C1B
13484212	5	4.3	1.63	0.080946	0.41589	WRNEXO	Werner Syndrome-like exonuclease
13526379	5	4.35	1.57	0.179005	0.494636	AT5G15050	Core-2/I-branching beta-1,6-N-acetylglucosaminyltransferase family protein
13510203	5	4.4	1.51	0.106425	0.438604	AT5G43822	pentatricopeptide repeat-containing protein-like protein
13432854	5	4.42	1.5	0.196723	0.507486	AT3G24740	hypothetical protein
13364754	5	4.47	1.44	0.276346	0.551284	AT1G07590	pentatricopeptide repeat-containing protein
13341165	5	4.51	1.41	0.024211	0.332379	SHA	SH2 domain protein A
13471507	5	4.51	1.41	0.121825	0.452662	ZAC	ADP-ribosylation factor GTPase-activating protein AGD12
13500031	5	4.54	1.38	0.349174	0.581167	AT5G10710	centromere protein O
13482475	5	4.55	1.37	0.289318	0.557997	AT4G09490	RNase H domain-containing protein

13542817	5	4.56	1.36	0.325342	0.573204	AT5G63190	MA3 domain-containing protein
13438427	5	4.6	1.32	0.075853	0.410503	AT3G52155	Phosphoglycerate mutase family protein
13539615	5	4.62	1.3	0.434961	0.626354	AT5G55210; AT5G55200	hypothetical protein; co-chaperone GrpE family protein
13486252	5	4.69	1.24	0.13954	0.466238	HSF1	heat stress transcription factor A-1a
13459598	5	4.71	1.22	0.184863	0.499427	AT3G53740	60S ribosomal protein L36-2
13394011	5	4.74	1.2	0.025423	0.335434	ATSLY1	SEC1 family transport protein SLY1
13446295	5	4.75	1.19	0.497883	0.66379	AT3G07800	Thymidine kinase
13369724	5	4.83	1.13	0.083357	0.417856	AT1G18390	protein kinase domain-containing protein
13509886	5	4.84	1.12	0.719767	0.816136	AT5G42960	hypothetical protein
13338316	5	4.84	1.11	0.409036	0.610961	AT1G10380	Putative membrane lipoprotein
13471521	5	4.86	1.1	0.539636	0.692057	ATERDJ2B; emb1417	DnaJ / Sec63 Brl domains-containing protein; pentatricopeptide repeat-containing protein
13388939	5	4.9	1.08	0.808086	0.876937	GSTU20	glutathione S-transferase TAU 20
13416762	5	4.9	1.08	0.780139	0.857002	AT2G34450	high mobility group (HMG1/2) domain-containing protein
13484604	5	4.91	1.06	0.725554	0.820105	IBR10	indole-3-butyric acid response 10
13440131	5	4.93	1.05	0.648581	0.766334	AT3G56250	hypothetical protein
13523675	5	4.93	1.05	0.891073	0.933121	AT5G08710	regulator of chromosome condensation repeat-containing protein
13426500	5	5.01	-1.01	0.785349	0.860656	NAC050	NAC domain containing protein 50
13356698	5	5.03	-1.02	0.885815	0.930155	AT1G68680	hypothetical protein
13395310	5	5.03	-1.02	0.966854	0.980576	AT2G21080	hypothetical protein
13439376	5	5.03	-1.02	0.924221	0.954303	AT3G54600	class I glutamine amidotransferase domain-containing protein
13447654	5	5.03	-1.02	0.907976	0.943974	AT3G10940	dual-specificity protein-like phosphatase 3
13487290	5	5.11	-1.08	0.702102	0.80382	AT4G20690	hypothetical protein
13465144	5	5.14	-1.1	0.321476	0.571334	AT4G02900	ERD (early-responsive to dehydration stress) family protein
13426581	5	5.23	-1.17	0.031228	0.351687	NUDX26; AT3G10630	nudix hydrolase 26; glycosyl transferase family 1 protein
13484631	5	5.23	-1.17	0.000084	0.14124	IAA14	auxin-responsive protein IAA14
13401206	5	5.25	-1.19	0.623195	0.748939	ACX5	acyl-CoA oxidase
13459112	5	5.29	-1.22	0.413536	0.613903	AT3G52500	aspartyl protease family protein
13462942	5	5.29	-1.22	0.405787	0.609101	SDG14	histone-lysine N-methyltransferase ATX3
13372539	5	5.31	-1.24	0.325028	0.573167	SOFL1	SOB five-like 1 protein
13493399	5	5.34	-1.27	0.562812	0.707861	AT4G34220	receptor protein kinase-like protein
13497484	5	5.46	-1.37	0.276485	0.551293	VTE5	phytol kinase 1
13443533	5	5.49	-1.4	0.041751	0.368024	scpl25	serine carboxypeptidase-like 25
13430006	5	5.5	-1.42	0.686279	0.792435	AT3G18240	ribosomal protein S24/S35
13396759	5	5.57	-1.48	0.267691	0.546492	GDU4	glutamine dumper 4
13439094	5	5.68	-1.6	0.141673	0.467992	AT3G53880	aldo/keto reductase family protein
13392304	5	6.74	-3.33	0.442844	0.631085	AT2G07713; ArthMp047	hypothetical protein
13545161	5	6.74	-3.33	0.442844	0.631085	AT2G07713; ArthMp047	hypothetical protein
13367723	5	6.82	-3.53	0.002881	0.253459	AT1G14160	UPF0497 membrane protein
13397411	5	7.03	-4.07	0.017507	0.319218	AT2G26370	MD-2-related lipid recognition domain-containing protein

13532938	4.99	3.61	2.61	0.024371	0.333062	AT5G37450	leucine-rich repeat protein kinase-like protein
13534248	4.99	3.72	2.4	0.16268	0.484818	AT5G41550	TIR-NBS-LRR class disease resistance protein
13378450	4.99	3.84	2.23	0.097958	0.433275	AT1G51940	LysM type receptor kinase-like protein
13493652	4.99	3.95	2.05	0.15892	0.481364	MYB32	transcription factor MYB32
13432509	4.99	4.06	1.91	0.168385	0.487177	AAE16	AMP-dependent synthetase and ligase family protein
13417172	4.99	4.25	1.67	0.039342	0.364658	EYA	eyes absent-like protein
13362842	4.99	4.31	1.61	0.109998	0.441206	AT1G03620	ELMO/CED-12 family protein
13370818	4.99	4.3	1.61	0.19555	0.506402	AT1G21350	thioredoxin-like protein
13389348	4.99	4.35	1.56	0.142275	0.468508	AT1G79080	pentatricopeptide repeat-containing protein
13459771	4.99	4.35	1.56	0.387622	0.598939	AT3G54150	S-adenosyl-L-methionine-dependent methyltransferase-like protein
13358380	4.99	4.37	1.54	0.521437	0.679947	ELF4-L2	protein ELF4-like 2
13408204	4.99	4.37	1.54	0.163125	0.484829	AT2G07180	protein kinase domain-containing protein
13457167	4.99	4.38	1.52	0.153888	0.476604	AT3G47630	hypothetical protein
13378464	4.99	4.4	1.5	0.193823	0.505856	ABO5	ABA Overly-Sensitive 5 protein
13373860	4.99	4.42	1.49	0.054873	0.386317		
13488674	4.99	4.46	1.44	0.042245	0.368598	PPT1	polyprenyltransferase 1
13412851	4.99	4.53	1.37	0.287335	0.557153	DBP1	putative protein phosphatase 2C 22
13483673	4.99	4.56	1.35	0.327797	0.574416	AT4G12710	armadillo/beta-catenin-like repeat-containing protein
13457525	4.99	4.59	1.31	0.174673	0.491793	AT3G48600	SWIB complex BAF60b domain-containing protein
13482409	4.99	4.67	1.25	0.308068	0.566074	AT4G09040	RNA recognition motif-containing protein
13482488	4.99	4.69	1.23	0.505129	0.668653	AT4G09520	Cofactor-independent phosphoglycerate mutase
13536843	4.99	4.69	1.23	0.550847	0.700249	PAT1	scarecrow-like transcription factor PAT1
13431694	4.99	4.76	1.17	0.340264	0.578077	AT3G22180	putative S-acyltransferase
13426012	4.99	4.82	1.13	0.574383	0.715987	AT3G09250	nuclear transport factor 2 (NTF2)-like protein
13380603	4.99	4.85	1.1	0.31082	0.566973	AT1G57775	hypothetical protein
13447998	4.99	4.86	1.1	0.762824	0.844569	FOLB1	Dihydroneopterin aldolase
13365085	4.99	4.86	1.09	0.757995	0.841552	AT1G08160	late embryogenesis abundant hydroxyproline-rich glycoprotein
13412407	4.99	4.89	1.07	0.833453	0.894611	AFR	F-box protein AFR
13381663	4.99	4.94	1.04	0.937144	0.961912	IRT3	Fe(2+) transport protein 3
13470518	4.99	4.94	1.04	0.908885	0.94461		
13357201	4.99	5.05	-1.04	0.725613	0.820105	NRT1.7	nitrate transporter 1.7
13480021	4.99	5.06	-1.05	0.783596	0.859262	GPAT8	glycerol-3-phosphate acyltransferase
13525077	4.99	5.09	-1.07	0.680297	0.788339	MSL10	mechanosensitive channel of small conductance-like 10
13494667	4.99	5.15	-1.12	0.377934	0.594163	HCF164; AT4G37190	thioredoxin-like protein HCF164; hypothetical protein
13424838	4.99	5.17	-1.14	0.509706	0.671951	AT3G05830	hypothetical protein
13519430	4.99	5.47	-1.4	0.094822	0.431164	AT5G64850	hypothetical protein
13504893	4.99	5.48	-1.41	0.324098	0.572935	AT5G23411	hypothetical protein
13496696	4.98	3.91	2.1	0.03753	0.36106	AT5G02750	RING/U-box domain-containing protein
13431285	4.98	4.2	1.71	0.027945	0.344388	AT3G20930	RNA recognition motif-containing protein

13525532	4.98	4.24	1.67	0.050806	0.381425	CRN	receptor-like kinase CORYNE
13404664	4.98	4.41	1.49	0.350289	0.581941	AT2G43880	putative polygalacturonase /pectinase
13454064	4.98	4.47	1.43	0.200236	0.509604	AT3G26850; AT3G26840	histone-lysine N-methyltransferase; acyltransferase-like protein
13424095	4.98	4.47	1.42	0.236375	0.530572	emb2171; AT1G04480; AT2G33370	60S ribosomal protein L23
13353809	4.98	4.48	1.41	0.318372	0.569572		
13455253	4.98	4.5	1.39	0.200259	0.509617	AT3G29763	General transcription factor 2-related zinc finger protein
13369443	4.98	4.52	1.38	0.456279	0.638899	AT1G17940	Endosomal targeting BRO1-like domain-containing protein
13457379	4.98	4.51	1.38	0.220961	0.522176	APC8	anaphase-promoting complex subunit 8
13415133	4.98	4.57	1.33	0.338804	0.577427	HVT1	protein helicase in vascular tissue and tapetum
13535020	4.98	4.58	1.32	0.439549	0.62944	AT5G43670	sec23/sec24-like transport protein
13437301	4.98	4.61	1.29	0.414218	0.614187	AT3G49050	alpha/beta-hydrolase domain-containing protein
13371964	4.98	4.69	1.22	0.517529	0.677142	LGT9	putative galacturonosyltransferase-like 8
13397399	4.98	4.69	1.22	0.15179	0.474016	AT2G26340	hypothetical protein
13426802	4.98	4.7	1.22	0.674868	0.784547	AT3G11370	cysteine/histidine-rich C1 domain-containing protein
13498623	4.98	4.69	1.22	0.390759	0.600347	AT5G07150	leucine-rich repeat protein kinase-like protein
13504955	4.98	4.71	1.21	0.350555	0.582019	SGS3	protein SUPPRESSOR OF GENE SILENCING 3
13401448	4.98	4.74	1.18	0.006397	0.282486	FACE2	CAAX prenyl protease 2
13466059	4.98	4.81	1.12	0.647692	0.765537	EHD2	EPS15 homology domain 2 protein
13476972	4.98	4.87	1.07	0.817308	0.883239	AT4G33140	5' nucleotidase, deoxy (Pyrimidine), cytosolic type C protein domain containing protein-like protein
13335997	4.98	4.92	1.05	0.739016	0.828755	AT1G05090	dentin sialophosphoprotein-like protein
13512014	4.98	4.93	1.04	0.005237	0.271751	AT5G48040	ubiquitin carboxyl-terminal hydrolase-like protein
13368276	4.98	4.92	1.04	0.499841	0.664973	AT1G15140	FAD/NAD(P)-binding oxidoreductase
13386559	4.98	4.94	1.03	0.786454	0.861504	AT1G72810	threonine synthase 2
13360044	4.98	4.99	-1.01	0.954093	0.972623	SKP2B	F-box/LRR-repeat protein 5
13339163	4.98	5.04	-1.05	0.800834	0.87171	RFL1	disease resistance protein RFL1
13534063	4.98	5.25	-1.2	0.458875	0.640177	AT5G40960	hypothetical protein
13386713	4.98	5.37	-1.31	0.045752	0.376512	BNS	prtoein BONSAI
13533188	4.98	5.38	-1.31	0.091599	0.428831	PMI15	plastid movement impaired 15 protein
13405654	4.98	5.38	-1.32	0.439925	0.629635	AT2G46150	late embryogenesis abundant hydroxyproline-rich glycoprotein
13414625	4.98	5.53	-1.46	0.032269	0.352847	AT2G29670	tetratricopeptide repeat-containing protein
13354073	4.98	5.73	-1.69	0.122118	0.452662	AT1G61340	F-box protein
13517734	4.98	5.99	-2.02	0.045166	0.375052	GR-RBP3	glycine-rich RNA-binding protein 3
13491673	4.98	7.31	-5.02	0.034946	0.355472	AT4G30670	Putative membrane lipoprotein
13540085	4.97	2.92	4.14	0.006985	0.285781	OXS3	oxidative stress 3
13355535	4.97	3.06	3.78	0.011922	0.301412	AT1G65500	hypothetical protein
13418564	4.97	3.55	2.66	0.003383	0.253459	AT2G38430	hypothetical protein

13480640	4.97	3.66	2.47	0.013762	0.309482	AT4G01735	hypothetical protein
13399138	4.97	3.89	2.12	0.010084	0.296261	AT2G30942	hypothetical protein
13529640	4.97	3.94	2.04	0.220448	0.521902	AT5G22820	ARM repeat-containing protein-like protein
13475368	4.97	4.08	1.86	0.189848	0.503555	AT4G29870	Oligosaccharyltransferase complex/magnesium transporter family protein
13393463	4.97	4.16	1.75	0.085711	0.420651	PIP2;8	putative aquaporin PIP2-8
13409041	4.97	4.2	1.72	0.215527	0.519459	AT2G15440	hypothetical protein
13416393	4.97	4.25	1.66	0.238688	0.532292	scpl46	serine carboxypeptidase-like 46
13502387	4.97	4.29	1.59	0.156505	0.479155	EMB2247	valyl-tRNA synthetase
13498590	4.97	4.31	1.58	0.060694	0.396635	AT5G07090	40S ribosomal protein S4-2
13403259	4.97	4.36	1.52	0.098193	0.433275	AT2G40480	hypothetical protein
13414936	4.97	4.38	1.51	0.270756	0.548527	HSI2	B3 domain-containing transcription repressor VAL1
13461834	4.97	4.39	1.5	0.006903	0.285606	MGT6	magnesium transporter MRS2-4
13511357	4.97	4.47	1.41	0.212943	0.517954	AT5G46640	AT hook motif DNA-binding family protein
13404457	4.97	4.51	1.38	0.198706	0.508119	AT2G43250	hypothetical protein
13529497	4.97	4.57	1.32	0.367541	0.59069	AT5G22700	F-box/FBD/LRR-repeat protein
13413997	4.97	4.61	1.28	0.012492	0.301412	CKS2	cyclin-dependent kinases regulatory subunit 2
13341827	4.97	4.73	1.18	0.297898	0.562453	RBL12	RHOMBOID-like protein 12
13386693	4.97	4.75	1.17	0.066874	0.404372	GTE3	bromodomain-containing protein GTE3
13406540	4.97	4.8	1.12	0.072879	0.408453	RKF3	putative LRR receptor-like serine/threonine-protein kinase RKF3
13508555	4.97	4.81	1.12	0.408273	0.610626	AT5G39970; AT5G39980	hypothetical protein; pentatricopeptide repeat-containing protein
13401805	4.97	4.82	1.11	0.678942	0.787525	NF-YB8	nuclear transcription factor Y subunit B-8
13430209	4.97	4.82	1.11	0.536141	0.689889	AT3G18620	putative S-acyltransferase
13536984	4.97	4.83	1.11	0.436902	0.627757	AT5G48460	Actin binding Calponin homology (CH) domain-containing protein
13375849	4.97	4.83	1.1	0.38704	0.598595	AT1G36390; AT1G36380	co-chaperone grpE-like protein; hypothetical protein
13453446	4.97	4.86	1.07	0.783178	0.859067	AT3G24820	BSD domain-containing protein
13537464	4.97	4.93	1.03	0.880407	0.926841	AT5G49560	Putative methyltransferase family protein
13382271	4.97	5.09	-1.09	0.780413	0.857153	AT1G62305	Core-2/I-branching beta-1,6-N-acetylglucosaminyltransferase family protein
13513354	4.97	5.1	-1.1	0.818907	0.88411	AT5G51050	Mitochondrial substrate carrier family protein
13510432	4.97	5.13	-1.12	0.2126	0.517763	AT5G44350	ethylene-responsive nuclear protein -like protein
13347504	4.97	5.25	-1.21	0.161885	0.483588	AT1G33610	Leucine-rich repeat (LRR) family protein
13534952	4.97	5.34	-1.29	0.205491	0.512399	AT5G43400	hypothetical protein
13506616	4.97	5.58	-1.52	0.235582	0.530082	AT5G27710	hypothetical protein
13381380	4.97	5.63	-1.58	0.014724	0.313095	ECHID	naphthoate synthase
13510981	4.97	5.75	-1.72	0.046935	0.377465	AT5G45670	GDSL esterase/lipase
13440404	4.97	5.87	-1.87	0.115984	0.446616	AT3G57070	Glutaredoxin family protein
13517200	4.97	5.94	-1.95	0.04445	0.374597	AT5G59790	hypothetical protein
13418162	4.97	6.35	-2.59	0.114225	0.445313	AT2G37460	nodulin MtN21 /EamA-like transporter-like protein
13392216	4.97	6.65	-3.21	0.379176	0.594872		

13385431	4.96	4.07	1.85	0.402905	0.60746	CUL3B	cullin 3B
13501256	4.96	4.11	1.8	0.130011	0.459898	SUVH4	histone-lysine N-methyltransferase, H3 lysine-9 specific SUVH4
13505173	4.96	4.11	1.8	0.05542	0.387872	AT5G24010	putative receptor-like protein kinase
13339852	4.96	4.13	1.78	0.200777	0.509845	GN	Pattern formation protein EMB30
13396702	4.96	4.17	1.74	0.483208	0.653863	AT2G24530	hypothetical protein
13425486	4.96	4.18	1.71	0.167597	0.48688	AT3G07565	hypothetical protein
13521232	4.96	4.2	1.7	0.069145	0.406403	AT5G02410	alpha-1,2-glucosyltransferase
13346368	4.96	4.22	1.67	0.074569	0.410456	HERK2	hercules receptor kinase 2
13445918	4.96	4.27	1.61	0.067307	0.405555	RPM1	disease resistance protein RPM1
13476099	4.96	4.31	1.57	0.17779	0.493759	AT4G31530	Rossmann-fold NAD(P)-binding domain-containing protein
13398773	4.96	4.31	1.56	0.141918	0.468094	VLN1	villin-1
13445410	4.96	4.33	1.55	0.034656	0.355201	AT3G06150	hypothetical protein
13420224	4.96	4.33	1.55	0.067422	0.405555	POLD2	DNA polymerase delta subunit 2
13516834	4.96	4.35	1.53	0.018782	0.321499	AT5G58790; AT5G58800	hypothetical protein; quinone reductase-like protein
13403559	4.96	4.36	1.52	0.224678	0.524988	AT2G41080	pentatricopeptide repeat-containing protein
13425053	4.96	4.39	1.48	0.167669	0.48688	SFR2	beta-glucosidase-like SFR2
13458702	4.96	4.46	1.41	0.033725	0.354018	AT3G51530; AT3G51520	F-box/FBD/LRR-repeat protein; diacylglycerol O-acyltransferase 2
13361453	4.96	4.49	1.38	0.383865	0.597749	AT1G80245	Spc97 / Spc98 family of spindle pole body (SBP) component
13466492	4.96	4.49	1.38	0.6393	0.759828	AT4G08900	arginase
13354518	4.96	4.52	1.36	0.019255	0.321499	AT1G62914	pentatricopeptide repeat-containing protein
13393009	4.96	4.53	1.35	0.02665	0.339318	AT2G14830	Regulator of Vps4 activity in the MVB pathway protein
13358447	4.96	4.59	1.29	0.375943	0.593207	TIM23-2	translocase inner membrane subunit 23-2
13490358	4.96	4.62	1.27	0.528045	0.685022	AT4G27390	hypothetical protein
13517118	4.96	4.63	1.26	0.463344	0.643244	AT5G59660	leucine-rich repeat protein kinase-like protein
13541179	4.96	4.7	1.2	0.552804	0.701416	AT5G59010	putative receptor protein kinase
13367460	4.96	4.78	1.13	0.700329	0.802948	AT1G13390	hypothetical protein
13520803	4.96	4.79	1.13	0.627391	0.751558	TBL3	hypothetical protein
13483830	4.96	4.82	1.1	0.777603	0.855248	AT4G13100	RING/U-box domain-containing protein
13453781	4.96	4.84	1.09	0.3528	0.583317	RPL15; AT3G25910	50S ribosomal protein L15; hypothetical protein
13375984	4.96	4.84	1.08	0.681612	0.78883	AT1G41880	60S ribosomal protein L35a-2
13341850	4.96	5.11	-1.1	0.555022	0.70298	AT1G18620	hypothetical protein
13405424	4.96	5.12	-1.12	0.600539	0.732666	AT2G45630	D-isomer specific 2-hydroxyacid dehydrogenase-like protein
13453276	4.96	5.16	-1.15	0.124497	0.453788	AT3G24420	hydrolase, alpha/beta fold family protein
13495775	4.96	5.19	-1.17	0.261987	0.543595	AT4G39580	F-box/kelch-repeat protein
13484487	4.96	5.2	-1.18	0.059528	0.395054	AT4G14310	transducin/WD40 domain-containing protein-like protein
13448750	4.96	5.23	-1.2	0.348358	0.580705	AT3G13160; ATSPO11-1	pentatricopeptide repeat-containing protein; meiotic recombination protein SPO11-1
13431244	4.96	5.23	-1.21	0.610113	0.739998	PLT1	AP2-like ethylene-responsive transcription factor PLT1
13428774	4.96	5.31	-1.28	0.440093	0.629747	AT3G15680	Ran BP2/NZF zinc finger-like protein

13510955	4.96	5.35	-1.31	0.486164	0.655782	GAS41	YEATS family protein
13396724	4.96	5.35	-1.32	0.019716	0.322692	CNGC14	cyclic nucleotide gated channel
13450910	4.96	5.5	-1.46	0.331825	0.576146	AT3G18580	single-strand DNA-binding protein
13433389	4.96	5.68	-1.65	0.089054	0.425872	AT3G26070	putative plastid-lipid-associated protein 4
13373575	4.96	5.74	-1.72	0.029046	0.347859	AT1G29195	hypothetical protein
13447191	4.96	5.91	-1.93	0.278454	0.553019	AT3G10090; AT5G03850	40S ribosomal protein S28-1
13501092	4.96	5.91	-1.93	0.142431	0.468651	AT5G13580	ABC transporter G family member 6
13497702	4.96	6.97	-4.06	0.053834	0.3842	AT5G04960	Putative pectinesterase/pectinesterase inhibitor 46
13482223	4.96	7.92	-7.76	0.017494	0.319218	AT4G08400	Proline-rich extensin-like family protein
13483543	4.95	3.56	2.61	0.002621	0.253459	CYP706A7	cytochrome P450, family 706, subfamily A, polypeptide 7
13434112	4.95	3.7	2.37	0.233383	0.529162	AT3G27950	putative early nodule-specific protein
13526962	4.95	4.08	1.83	0.138646	0.46568	AT5G16480	tyrosine specific protein phosphatase family protein
13338134	4.95	4.1	1.81	0.08705	0.422399	AT1G09812	hypothetical protein
13526790	4.95	4.11	1.79	0.124301	0.453788	CXE17	carboxyesterase 17
13541765	4.95	4.11	1.78	0.088582	0.425106	AT5G60720	hypothetical protein
13421946	4.95	4.13	1.77	0.192972	0.505638	TRIP-1	translation initiation factor 3 subunit I
13393839	4.95	4.15	1.73	0.022534	0.327966	AT2G17580	polynucleotide adenylyltransferase-like protein
13389010	4.95	4.16	1.73	0.419702	0.617191	AT1G78550	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase-like protein
13515572	4.95	4.36	1.5	0.337425	0.577005	HSP81-3	heat shock protein 81-3
13524637	4.95	4.36	1.5	0.240615	0.53343		
13502946	4.95	4.39	1.48	0.220577	0.522003	AT5G18260	protein binding / zinc ion binding protein
13505818	4.95	4.39	1.47	0.301944	0.563858	AT5G25930	Protein kinase family protein with leucine-rich repeat domain
13459298	4.95	4.45	1.42	0.368476	0.590997	FK	delta(14)-sterol reductase
13383762	4.95	4.45	1.41	0.477788	0.650904	AT1G65950	aarF domain-containing kinase
13467909	4.95	4.48	1.38	0.192085	0.50525	AT4G12780	auxilin-related protein 1
13483795	4.95	4.52	1.35	0.172859	0.490173	AT4G12980	putative auxin-responsive protein
13540953	4.95	4.58	1.3	0.31037	0.566973	EOL2	protein ETO1-like 2
13362440	4.95	4.6	1.27	0.411972	0.613103	AT1G02740	mortality factor 4-like protein 1
13500004	4.95	4.61	1.27	0.534084	0.68842	AT5G10630	putative translation elongation factor 2EF1A / eIF-2-gamma
13529263	4.95	4.64	1.25	0.004895	0.268309	PNT1	GPI mannosyltransferase 1
13494154	4.95	4.7	1.19	0.362789	0.588492	AT4G36090	oxidoreductase, 2OG-Fe(II) oxygenase family protein
13373991	4.95	4.73	1.17	0.556769	0.703792	AT1G30090	F-box/kelch-repeat protein
13396098	4.95	4.72	1.17	0.585264	0.723942	NAGS1	amino-acid N-acetyltransferase
13525880	4.95	4.78	1.13	0.680677	0.788444	AT5G13970	hypothetical protein
13400285	4.95	4.84	1.08	0.614678	0.743182	AT2G33510	hypothetical protein
13417993	4.95	4.97	-1.02	0.947621	0.968736	PAL1	phenylalanine ammonia-lyase 1
13486509	4.95	4.98	-1.02	0.920744	0.952088	AT4G18425	hypothetical protein
13457816	4.95	5.02	-1.05	0.414479	0.614187	iqd15	protein IQ-domain 15
13356332	4.95	5.05	-1.07	0.769291	0.849476	CSK	chloroplast sensor kinase
13493603	4.95	5.12	-1.13	0.143425	0.469064	AT4G34860	neutral invertase-like protein
13429498	4.95	5.16	-1.15	0.819383	0.884451	POK1	phragmoplast orienting kinesin 1

13472030	4.95	5.14	-1.15	0.741694	0.830291	AT4G22235	defensin-like protein 95
13407268	4.95	5.25	-1.23	0.175527	0.49233	AT2G02780	leucine-rich repeat protein kinase-like protein
13513727	4.95	5.5	-1.46	0.222821	0.524028	AT5G51740	Peptidase family M48 family protein
13531648	4.95	5.58	-1.55	0.301029	0.563852	CYSD2	cysteine synthase D2
13405873	4.95	5.59	-1.56	0.216014	0.519767	AT2G46535	hypothetical protein
13482640	4.95	6.14	-2.28	0.065074	0.401596	AT4G09990	hypothetical protein
13528178	4.95	6.25	-2.45	0.01302	0.304986	AT5G19260	hypothetical protein
13497934	4.95	6.64	-3.23	0.034908	0.355472	AT5G05500	pollen_Ole_e_I-domain containing protein
13506982	4.94	3.91	2.04	0.26139	0.543288	AT5G28900	protein phosphatase 2 (formerly 2A), regulatory subunit B"
13489088	4.94	4.01	1.91	0.079713	0.414251	AT4G24750	rhodanese homology domain-containing protein
13504864	4.94	4.15	1.74	0.067256	0.405555	AT5G23330	riboflavin biosynthesis protein-like protein
13401072	4.94	4.15	1.72	0.052635	0.382994	SKL2	shikimate kinase like 2
13406909	4.94	4.2	1.67	0.133955	0.463251	PDLP6	cysteine-rich repeat secretory protein 12
13450491	4.94	4.21	1.65	0.009014	0.295471	AT3G17280	putative F-box/kelch-repeat protein
13349041	4.94	4.24	1.63	0.257322	0.541247	THO5	THO complex, subunit 5
13411051	4.94	4.32	1.53	0.040239	0.365591	AT2G20725	CAAX amino terminal protease family protein
13540706	4.94	4.35	1.51	0.064079	0.400603	AT5G57850	branched-chain-amino-acid aminotransferase-like protein 3
13518075	4.94	4.36	1.5	0.315148	0.568201	AT5G61830	Rossmann-fold NAD(P)-binding domain-containing protein
13354953	4.94	4.38	1.48	0.089516	0.426419	RTNLB3	reticulon-like protein B3
13526420	4.94	4.38	1.47	0.349761	0.581436	TDP1	tyrosyl-DNA phosphodiesterase 1
13385921	4.94	4.44	1.41	0.526562	0.683751	AT1G71020	U-box domain-containing protein 10
13457522	4.94	4.48	1.38	0.500445	0.665333	NF-YC1	nuclear transcription factor Y subunit C-1
13403315	4.94	4.63	1.25	0.191548	0.504617	ETG1	E2F target protein 1
13508768	4.94	4.64	1.23	0.238299	0.532151	AT5G40530	ribosomal RNA-processing protein 8
13437788	4.94	4.68	1.2	0.686977	0.792887	KRP2	cyclin-dependent kinase inhibitor 2
13426148	4.94	4.74	1.14	0.463228	0.643174	AT3G09670	PWWP domain-containing protein
13528992	4.94	4.78	1.12	0.585514	0.724132	MS3; AT5G20970	methionine synthase 3; heat shock family protein
13469930	4.94	4.8	1.1	0.372021	0.591916	AT4G17410	DWNN domain-containing protein
13416729	4.94	4.83	1.07	0.832134	0.893733	AT2G34310	hypothetical protein
13400869	4.94	4.85	1.06	0.732264	0.825067	TO1	thioredoxin O1
13491309	4.94	5.02	-1.06	0.902423	0.940282	AT4G29920	heat shock protein-relatedlike protein
13425506	4.94	5.03	-1.07	0.725545	0.820105	IBM1	Transcription factor jumonji (jmjC) domain-containing protein
13479842	4.94	5.07	-1.09	0.475352	0.649523	AT4G40080	putative clathrin assembly protein
13532469	4.94	5.06	-1.09	0.448072	0.634777	AT5G35970	putative DNA-binding protein
13490753	4.94	5.09	-1.11	0.443348	0.631418	AT4G28240; AT4G28230	putative wound-responsive protein; hypothetical protein
13355744	4.94	5.1	-1.12	0.65228	0.769305	AT1G66250	glucan endo-1,3-beta-glucosidase 2
13530701	4.94	5.17	-1.18	0.621814	0.747944	CYP71A14	cytochrome P450 71A14
13533087	4.94	5.35	-1.32	0.222902	0.524028	AT5G37790	protein kinase family protein
13478072	4.94	5.53	-1.51	0.16878	0.487446	PSAT	phosphoserine aminotransferase
13351683	4.94	5.56	-1.54	0.390321	0.600136	MSL4	mechanosensitive channel of small conductance-like 4

13453884	4.94	5.59	-1.56	0.166014	0.486235	CYP71B37	cytochrome P450 71B37
13445326	4.94	5.6	-1.58	0.138082	0.46568	NP3	mitogen-activated protein kinase kinase kinase 3
13495761	4.94	5.94	-2	0.253322	0.539247	AT4G39550	F-box/kelch-repeat protein
13428562	4.94	6.29	-2.56	0.07194	0.408234	AT3G15350	Core-2/I-branching beta-1,6-N-acetylglucosaminyltransferase family protein
13421521	4.94	6.98	-4.11	0.040332	0.365622	AT2G45220	pectinesterase 17
13381174	4.93	3.53	2.64	0.016874	0.3173	NAT7	nucleobase-ascorbate transporter 7
13341394	4.93	3.55	2.6	0.044604	0.374597	TRFL3	protein TRF-like 3
13438569	4.93	3.64	2.44	0.103559	0.436308		
13543065	4.93	3.87	2.08	0.094711	0.431106	ARI15	putative E3 ubiquitin-protein ligase ARI15
13343714	4.93	4.11	1.77	0.077728	0.412995	AT1G23150; CPuORF29	hypothetical protein; conserved peptide upstream open reading frame 29
13476084	4.93	4.18	1.68	0.405892	0.609137	AT4G31441	hypothetical protein
13388595	4.93	4.2	1.66	0.031927	0.352653	AT1G77525	hypothetical protein
13390705	4.93	4.25	1.61	0.328635	0.574554	PTR2	peptide transporter PTR2
13495571	4.93	4.29	1.56	0.004299	0.262292	AT4G39070	B-box type zinc finger-containing protein
13545515	4.93	4.31	1.53	0.512103	0.673562		
13466043	4.93	4.36	1.48	0.415242	0.614362	EDA35	temperature sensing protein-like protein
13541555	4.93	4.37	1.48	0.075012	0.410503	AT5G59990	CCT motif family protein
13347945	4.93	4.37	1.47	0.02761	0.343339		
13335910	4.93	4.4	1.44	0.064663	0.401596	AT1G04778	hypothetical protein
13438596	4.93	4.4	1.44	0.134629	0.463251	AT3G52610	hypothetical protein
13485085	4.93	4.44	1.41	0.135817	0.464971	AT4G15740	calcium-dependent lipid-binding domain-containing protein
13433577	4.93	4.47	1.38	0.19027	0.503959		
13451513	4.93	4.48	1.37	0.164486	0.485844	AT3G19790; AT3G19780	hypothetical protein
13481956	4.93	4.54	1.31	0.389733	0.599938	YAO	transducin/WD40 domain-containing protein
13470224	4.93	4.58	1.28	0.395549	0.603468	KCO6	putative calcium-activated outward-rectifying potassium channel 6
13514079	4.93	4.57	1.28	0.070027	0.406528	MEF1	mitochondrial RNA editing factor 1
13524511	4.93	4.59	1.27	0.616446	0.744389	AT5G10740	putative protein phosphatase 2C 69
13454533	4.93	4.59	1.26	0.543937	0.694947	AT3G27630	hypothetical protein
13356367	4.93	4.63	1.23	0.573566	0.715312	AT1G67890	PAS domain-containing protein tyrosine kinase
13372789	4.93	4.73	1.14	0.56806	0.711175	AT1G26900	pentatricopeptide repeat-containing protein
13367065	4.93	4.75	1.13	0.470495	0.647075	AT1G12451	hypothetical protein
13534600	4.93	4.78	1.11	0.020173	0.322692	ATS	aberrant testa shape protein/transcription facto
13393675	4.93	4.81	1.09	0.025403	0.335434	PHT3;3	phosphate transporter 3;3
13350288	4.93	4.82	1.08	0.646144	0.764388	FU	Protein kinase family protein with ARM repeat domain
13337266	4.93	4.82	1.07	0.779763	0.856735	TIL1	DNA polymerase epsilon subunit 1
13342291	4.93	4.84	1.07	0.556767	0.703792	NFD5	pentatricopeptide repeat-containing protein
13421862	4.93	4.84	1.06	0.530837	0.686799	AT2G46040	ARID/BRIGHT AND ELM2 DNA-binding domain-containing protein
13385877	4.93	4.87	1.04	0.919958	0.951586	AT1G70860	SRPBCC ligand-binding domain-containing protein

13430293	4.93	4.94	-1.01	0.935573	0.961071	AT3G18890	Rossmann-fold NAD(P)-binding domain-containing protein
13378905	4.93	4.96	-1.02	0.92902	0.956907	AT1G53030	Cytochrome C oxidase copper chaperone (COX17)
13437506	4.93	4.96	-1.02	0.842468	0.900702	AT3G49660	WD40 domain-containing protein
13488697	4.93	5.02	-1.06	0.64826	0.76605	AT4G23690	disease resistance-responsive, dirigent domain-containing protein
13369385	4.93	5.02	-1.07	0.615979	0.744064	AT1G17850; WBC11	rhodanese homology domain-containing protein; ABC transporter G family member 11
13376108	4.93	5.16	-1.17	0.337782	0.577243	UGT80B1	sterol 3beta-glucosyltransferase
13415541	4.93	5.28	-1.27	0.308498	0.566478	RABA5d; AT2G31670	RAB GTPase-like protein A5D; Stress responsive alpha-beta barrel domain protein
13335905	4.93	5.33	-1.32	0.592575	0.728373	VAMP726	vesicle-associated membrane protein 72
13379822	4.93	5.45	-1.44	0.687577	0.793288	AT1G55365	hypothetical protein
13439683	4.93	5.52	-1.51	0.113256	0.444486	AT3G55290	Rossmann-fold NAD(P)-binding domain-containing protein
13350683	4.93	5.74	-1.76	0.03647	0.359373	PLT2	AP2-like ethylene-responsive transcription factor PLT2
13477178	4.93	5.8	-1.82	0.328112	0.574416	AT4G33666	hypothetical protein
13421819	4.93	6.04	-2.17	0.281226	0.554581	AT2G45930	hypothetical protein
13363093	4.93	6.19	-2.4	0.006379	0.282486	KCS2	3-ketoacyl-CoA synthase 17
13362943	4.93	6.48	-2.92	0.039615	0.365498	MGP	zinc finger protein MAGPIE
13535379	4.93	6.56	-3.11	0.033316	0.354018	AT5G44400	FAD-binding and BBE domain-containing protein
13545411	4.93	7.08	-4.46	0.39507	0.603141	ArthMp112	hypothetical protein
13434803	4.93	7.24	-4.98	0.27478	0.550583	AT3G31051	hypothetical protein
13498449	4.92	3.8	2.18	0.242031	0.533808	AT5G06660	hypothetical protein
13414450	4.92	3.86	2.08	0.074505	0.410456	GLR2.8	glutamate receptor 2.8
13527627	4.92	4.19	1.66	0.147408	0.471394	CSA1	TIR-NBS-LRR class disease resistance protein
13360577	4.92	4.21	1.64	0.10304	0.435908	AT1G78200	putative protein phosphatase 2C 17
13523340	4.92	4.22	1.62	0.530285	0.686589	AT5G07980	dentin sialophosphoprotein-like protein
13503641	4.92	4.27	1.57	0.159193	0.481606	AT5G19670	Exostosin family protein
13386376	4.92	4.29	1.55	0.118905	0.449439	AT1G72420	NADH:ubiquinone oxidoreductase intermediate-associated protein 30
13538146	4.92	4.4	1.44	0.313079	0.567941	AT5G51080	RNase H domain-containing protein
13484255	4.92	4.41	1.42	0.226062	0.524988	AT4G13970	zinc ion binding protein
13498328	4.92	4.41	1.42	0.254617	0.539889	AtPOT1b; NHL3	Nucleic acid-binding, OB-fold-like protein; NDR1/HIN1-Like protein 3
13513389	4.92	4.44	1.4	0.386013	0.598511	AT5G51130	S-adenosyl-L-methionine-dependent methyltransferase-like protein
13429241	4.92	4.52	1.32	0.265092	0.545766	ATL2	RING-H2 finger protein ATL2
13411803	4.92	4.55	1.29	0.493887	0.66086	SQE2	squalene epoxidase 2
13357457	4.92	4.57	1.27	0.434384	0.626059	AOAT2	alanine-2-oxoglutarate aminotransferase 2
13542731	4.92	4.58	1.27	0.479263	0.651723	AT5G63020; AT5G63010	CC-NBS-LRR class disease resistance protein; transducin/WD40 domain-containing protein
13517373	4.92	4.59	1.26	0.11979	0.450785	AT5G60190	NEDD8-specific protease 1
13421181	4.92	4.64	1.21	0.390096	0.599985	AT2G44280	major facilitator protein

13514257	4.92	4.8	1.09	0.357179	0.584844	AT5G53060	RNA-binding KH domain-containing protein
13347286	4.92	4.97	-1.04	0.904549	0.941609	PRPL11	50S ribosomal protein L11
13400453	4.92	5.11	-1.14	0.388518	0.599123	AT2G34060	peroxidase 19
13478656	4.92	5.11	-1.14	0.073788	0.410168	AT4G37080	hypothetical protein
13497006	4.92	5.11	-1.15	0.124266	0.453788	ATB' ALPHA	protein phosphatase 2 (formerly 2A), regulatory subunit B'
13358600	4.92	5.13	-1.16	0.553297	0.701761	AT1G73160	UDP-glycosyltransferase-like protein
13345970	4.92	5.15	-1.18	0.497956	0.6638	AT1G29790	putative methyltransferase domain-containing protein
13518605	4.92	5.15	-1.18	0.132508	0.462428	AT5G62960	hypothetical protein
13526558	4.92	5.28	-1.28	0.576416	0.71699	AT5G15490	UDPglucose 6-dehydrogenase
13351714	4.92	5.32	-1.32	0.264358	0.54536	AT1G53543	hypothetical protein
13375206	4.92	5.57	-1.58	0.012479	0.301412	AT1G33480	RING-H2 finger protein ATL58
13524998	4.92	5.7	-1.72	0.017441	0.319218	AT5G11880	diaminopimelate decarboxylase 2
13464610	4.92	5.71	-1.73	0.57864	0.718661	AT4G01935; NFU1	hypothetical protein; NifU-like protein 1
13480337	4.92	5.79	-1.83	0.069855	0.406403	AT4G00910	aluminum activated malate transporter family protein
13339676	4.91	3.88	2.04	0.083982	0.417946	PSK1	phytosulfokine-beta
13446276	4.91	3.89	2.02	0.136444	0.465235	ADA2A	transcriptional adapter ADA2a
13475094	4.91	4	1.88	0.145086	0.470007	AT4G29120	3-hydroxyisobutyrate dehydrogenase
13338773	4.91	4.2	1.64	0.133187	0.462782	AT1G11330	putative receptor-like protein kinase
13359288	4.91	4.21	1.63	0.078219	0.413793	LPAT4	lysocardiolipin and lysophospholipid acyltransferase
13401254	4.91	4.28	1.55	0.226445	0.525194	AT2G35790	hypothetical protein
13461783	4.91	4.29	1.53	0.045921	0.376634	AT3G58830	haloacid dehalogenase-like hydrolase domain-containing protein
13373091	4.91	4.36	1.47	0.166776	0.486825	PUB45	U-box domain-containing protein 45
13499112	4.91	4.36	1.47	0.318026	0.569548	AT5G08139	RING/U-box domain-containing protein
13526568	4.91	4.35	1.47	0.390044	0.599985	AT5G15520	40S ribosomal protein S19-2
13532897	4.91	4.38	1.45	0.187847	0.502152	AT5G37360	hypothetical protein
13527394	4.91	4.39	1.43	0.038271	0.363017	AT5G17370	transducin/WD40 domain-containing protein
13355324	4.91	4.42	1.41	0.493046	0.660386	AT1G65000	hypothetical protein
13385176	4.91	4.43	1.39	0.250729	0.537906	AT1G69020	prolyl oligopeptidase-like protein
13346343	4.91	4.52	1.31	0.215419	0.519459	DRT111	DNA-damage-repair/toleration protein DRT111
13384446	4.91	4.62	1.22	0.289458	0.558007	AT1G67320	DNA primase large subunit
13365533	4.91	4.66	1.19	0.098779	0.433634	AT1G09195	hypothetical protein
13395740	4.91	4.67	1.18	0.10325	0.435922	RALFL15	protein RALF-like 15
13488099	4.91	4.67	1.18	0.143526	0.469229	AT4G22550	Phosphatidic acid phosphatase (PAP2) family protein
13511318	4.91	4.67	1.18	0.69313	0.79754	BSK2	BR-signaling kinase 2
13424060	4.91	4.68	1.17	0.271816	0.548926	AT3G04181	hypothetical protein
13529921	4.91	4.71	1.15	0.416237	0.615547	CDPK9	calmodulin-like domain protein kinase 9
13480990	4.91	4.71	1.14	0.394093	0.60263	AT4G02550	hypothetical protein
13527312	4.91	4.73	1.13	0.643738	0.762598	AT5G17250	alkaline-phosphatase-like protein
13352836	4.91	4.74	1.12	0.179035	0.494636	AT1G56210	heavy-metal-associated domain-containing protein
13509900	4.91	4.75	1.12	0.384174	0.597873	NPQ6	hypothetical protein
13493864	4.91	4.76	1.11	0.018109	0.319749	AT4G35530	phosphatidylinositol glycan, class H
13524748	4.91	4.83	1.06	0.77669	0.854575	CYC3B	cyclin-A2-2

13358197	4.91	4.87	1.03	0.901658	0.939764	AT1G72130	putative peptide/nitrate transporter
13410435	4.91	4.88	1.02	0.923856	0.954099	NDL3	N-MYC downregulated-like 3 protein
13385096	4.91	4.89	1.01	0.964002	0.978807	STN7	serine/threonine-protein kinase SNT7
13479137	4.91	4.96	-1.04	0.928065	0.956491	sks9	protein SKU5 similar 9
13367118	4.91	5.06	-1.11	0.438708	0.628865	AT1G12620	pentatricopeptide repeat-containing protein
13521293	4.91	5.16	-1.19	0.325957	0.573645	AT5G02570	histone H2B
13491173	4.91	5.3	-1.31	0.285071	0.556339	AT4G29680	alkaline-phosphatase-like protein
13537281	4.91	5.31	-1.32	0.128773	0.458836	AT5G49100	hypothetical protein
13400593	4.91	5.42	-1.43	0.001403	0.244504	AT2G34350	nodulin-like and major facilitator domain-containing protein
13545188	4.91	5.56	-1.57	0.768136	0.848625	ArthMp067	hypothetical protein
13472773	4.91	6.01	-2.15	0.017559	0.319218	AT4G24130	hypothetical protein
13358866	4.91	6.53	-3.07	0.00626	0.280665	AT1G73780	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13511135	4.91	6.81	-3.73	0.001743	0.251783	APE2	Glucose-6-phosphate/phosphate translocator-like protein
13454857	4.91	7.06	-4.44	0.304265	0.564802	AT3G28674	hypothetical protein
13366372	4.9	2.77	4.38	0.055048	0.38707	AT1G10800	hypothetical protein
13337678	4.9	3.76	2.2	0.044857	0.374597	AT1G08900	sugar transporter ERD6-like 2
13540058	4.9	3.8	2.14	0.063073	0.398838	AT5G56420	F-box/FBD/LRR-repeat protein
13543704	4.9	3.85	2.07	0.07608	0.410503	AT5G65250	hypothetical protein
13419286	4.9	4.11	1.74	0.015031	0.313367	AT2G40085	hypothetical protein
13499663	4.9	4.1	1.74	0.217098	0.520187	SCPL19	sinapoylglucose-choline O-sinapoyltransferase
13459276	4.9	4.2	1.63	0.03365	0.354018	AT3G52905	Polynucleotidyl transferase/ ribonuclease H-like protein
13420476	4.9	4.21	1.62	0.022035	0.326278	AT2G42640	Mitogen activated protein kinase kinase kinase-like protein
13469029	4.9	4.23	1.59	0.028453	0.346511	RTL1	protein RNAse II-like 1
13338847	4.9	4.34	1.47	0.481329	0.652743	CXXS1	thioredoxin-like protein CXXS1
13423420	4.9	4.35	1.46	0.205757	0.512597	NBS1	nijmegen breakage syndrome 1 protein
13424723	4.9	4.44	1.37	0.067579	0.405582	AT3G05560	60S ribosomal protein L22-2
13432934	4.9	4.5	1.32	0.388519	0.599123	AT3G24929	hypothetical protein
13378909	4.9	4.55	1.28	0.280926	0.554564	AT1G53035	hypothetical protein
13480361	4.9	4.55	1.27	0.09041	0.427332	AT4G01000	ubiquitin family protein
13507918	4.9	4.57	1.26	0.588134	0.726188	AT5G38010	UDP-glycosyltransferase-like protein
13492381	4.9	4.57	1.25	0.040048	0.365591	AT4G32270	ubiquitin-like family protein
13410374	4.9	4.61	1.22	0.330745	0.575847	AT2G19440	beta-1,3-glucanase-like protein
13497404	4.9	4.63	1.21	0.474336	0.64883	LDA	protein limit dextrinase
13452727	4.9	4.64	1.2	0.492673	0.660087	DMC1	meiotic recombination protein DMC1-like protein
13461426	4.9	4.64	1.19	0.276824	0.551433	AT3G58090	Disease resistance-responsive (dirigent-like protein) family protein
13443561	4.9	4.66	1.18	0.529913	0.686387	COBL1	COBRA-like protein 1
13351926	4.9	4.66	1.17	0.512709	0.674062	EXO70D2	exocyst complex component 7
13402512	4.9	4.67	1.17	0.542249	0.69397	AT2G38780; AT2G38790	hypothetical protein
13393127	4.9	4.75	1.11	0.755023	0.839753	AT2G15280	reticulon-like protein B10
13475697	4.9	4.83	1.06	0.530582	0.686612	AT4G30825	pentatricopeptide repeat-containing protein

13430883	4.9	4.84	1.04	0.810595	0.878797	CYP705A21	cytochrome P450, family 705, subfamily A, polypeptide 21
13475754	4.9	4.88	1.02	0.915702	0.949074		
13382485	4.9	4.92	-1.02	0.815852	0.882212	AT1G62870	hypothetical protein
13386364	4.9	4.96	-1.04	0.853428	0.907936	AT1G72416	chaperone DnaJ-domain containing protein
13538542	4.9	4.99	-1.07	0.620543	0.747387	HCF208; crr1	hypothetical protein; putative dihydrodipicolinate reductase 3
13347365	4.9	5.07	-1.12	0.682585	0.789796	AT1G33170	putative methyltransferase PMT18
13374663	4.9	5.09	-1.14	0.656162	0.772008	FRL2	protein FRIGIDA like 2
13461489	4.9	5.13	-1.17	0.421964	0.618195	AT3G58220	TRAF-like family protein
13357740	4.9	5.17	-1.21	0.5856	0.724132	AT1G71180	6-phosphogluconate dehydrogenase-like protein
13417501	4.9	5.27	-1.29	0.514418	0.675159	AT2G36200	kinesin family member 11
13383481	4.9	5.32	-1.33	0.270172	0.548311	NPQ7; NAP11	Ycf20-like protein; protein triGALACTOSYLDIACYLGLYCEROL 3
13538358	4.9	5.32	-1.34	0.081163	0.416197	PLE	microtubule associated protein MAP65-3
13424748	4.9	5.4	-1.42	0.478855	0.651548	PLDP2	phospholipase D P2
13462719	4.9	5.48	-1.49	0.028661	0.34713		
13458117	4.9	5.51	-1.53	0.062384	0.398248	PEN3	phosphatidylinositol-3,4,5-trisphosphate 3-phosphatase
13409527	4.9	5.57	-1.6	0.289199	0.557884	AT2G17080	hypothetical protein
13429435	4.9	5.62	-1.65	0.090357	0.42731	AT3G17160	hypothetical protein
13406691	4.9	6.15	-2.38	0.005812	0.279573	PAP1	Lipid phosphate phosphatase 1
13545363	4.9	6.86	-3.89	0.480036	0.652001	ArthMp097	hypothetical protein
13539204	4.9	7.06	-4.48	0.006222	0.280665	AT5G54020	Cysteine/Histidine-rich C1 domain family protein
13354410	4.9	7.11	-4.65	0.010262	0.296261	FMO GS-OX4	flavin-containing monooxygenase FMO GS-OX4
13526513	4.89	3.45	2.71	0.012109	0.301412	DND1	cyclic nucleotide-gated ion channel 2
13449314	4.89	3.93	1.95	0.052916	0.383093	AT3G14170	hypothetical protein
13428064	4.89	4.16	1.66	0.016375	0.315398	AT3G14360	lipase class 3 family protein
13377948	4.89	4.16	1.65	0.246461	0.535608	AT1G50575	putative lysine decarboxylase
13408764	4.89	4.24	1.57	0.148249	0.471967	CYP705A13	cytochrome P450, family 705, subfamily A, polypeptide 13
13484807	4.89	4.31	1.5	0.197408	0.507696	AT4G14920	Acyl-CoA N-acyltransferase with RING/FYVE/PHD-type zinc finger protein
13387254	4.89	4.33	1.47	0.270641	0.548501	AT1G74390	polynucleotidyl transferase, ribonuclease H-like protein
13376458	4.89	4.34	1.46	0.346439	0.58045	AT1G45231	S-adenosylmethionine-dependent methyltransferase domain-containing protein
13404070	4.89	4.34	1.45	0.177339	0.493417	AT2G42310	hypothetical protein
13473113	4.89	4.41	1.39	0.030562	0.350098	AT4G24805	S-adenosyl-L-methionine-dependent methyltransferase-like protein
13411632	4.89	4.44	1.36	0.027689	0.343648	UBP4	ubiquitin carboxyl-terminal hydrolase 4
13524020	4.89	4.45	1.36	0.242696	0.534256	ATXR5	histone-lysine N-methyltransferase ATXR5
13411438	4.89	4.49	1.33	0.343194	0.579024	AT2G21560	hypothetical protein
13490200	4.89	4.49	1.32	0.116695	0.446833	AT4G27050	F-box protein
13458973	4.89	4.5	1.31	0.127664	0.45753	AT3G52170	DNA binding protein
13455129	4.89	4.5	1.3	0.48079	0.652547	AT3G29280	hypothetical protein
13360140	4.89	4.58	1.24	0.14678	0.470962	AT1G77310	hypothetical protein

13343674	4.89	4.59	1.23	0.280567	0.554406	AT1G23030	U-box domain-containing protein 11
13394114	4.89	4.65	1.18	0.610474	0.740187	AT2G18240	Rer1-like protein
13476181	4.89	4.67	1.17	0.3971	0.604224	MGD1	Monogalactosyldiacylglycerol synthase 1
13448584	4.89	4.68	1.15	0.738441	0.828387	MYB10	myb domain protein 10
13356561	4.89	4.72	1.13	0.689815	0.794975	ENDO 2	endonuclease 2
13372341	4.89	4.72	1.13	0.551464	0.70053	AT1G25470; CPuORF54	ethylene-responsive transcription factor ERF116; conserved peptide upstream open reading frame 54
13396429	4.89	4.83	1.05	0.859722	0.912526	AT2G23820	Metal-dependent phosphohydrolase
13379130	4.89	4.85	1.03	0.915938	0.949153	AT1G53625	hypothetical protein
13530076	4.89	4.96	-1.06	0.884566	0.929508	FRO4	ferric reduction oxidase 4
13421480	4.89	5.02	-1.09	0.602469	0.733926	AT2G45100	Cyclin/Brf1-like TBP-binding protein
13421824	4.89	5.04	-1.11	0.637749	0.758872	SK20	SKP1-like protein 20
13545593	4.89	5.13	-1.18	0.280475	0.554406	AT2G20500	hypothetical protein
13367299	4.89	5.25	-1.28	0.33041	0.575605	AT1G13030	coilin
13370534	4.89	5.32	-1.34	0.403769	0.608281	CYCB2;3	cyclin-B2-3
13419116	4.89	5.41	-1.44	0.078497	0.414078	RCA	ribulose bisphosphate carboxylase/oxygenase activase
13351689	4.89	5.44	-1.47	0.067739	0.405735	AT1G53490; MRD1	RING/U-box domain-containing protein; mto 1 responding down 1 protein
13383423	4.89	5.56	-1.59	0.362578	0.588304	AT1G65180	DC1 domain-containing protein
13447446	4.88	3.5	2.6	0.127892	0.457732	AT3G10590	SANT DNA-binding domain-containing protein
13432258	4.88	3.72	2.23	0.132091	0.46218	FAO3	long-chain-alcohol oxidase FAO3
13530871	4.88	4.05	1.77	0.00245	0.253459	AT5G25475	AP2/B3 domain-containing protein
13462366	4.88	4.11	1.71	0.092505	0.429659	AT3G60180	uridylate kinase-like protein
13476330	4.88	4.21	1.59	0.057898	0.39275	AT4G32050	neurochondrin family protein
13537156	4.88	4.22	1.58	0.022697	0.328647	AT5G48770	TIR-NBS-LRR class disease resistance protein
13522329	4.88	4.25	1.54	0.092967	0.429815	AT5G05550	sequence-specific DNA binding transcription factor
13377820	4.88	4.3	1.49	0.041532	0.367814	NTMC2T5.1	N-terminal-transmembrane-C2 domain type 5.1 protein
13432406	4.88	4.31	1.48	0.22697	0.52549	AT3G23605	UBX domain-containing protein
13357678	4.88	4.33	1.46	0.324383	0.573008	SYNC3	asparaginyl-tRNA synthetase, cytoplasmic 3
13370952	4.88	4.35	1.45	0.083947	0.417946	AT1G21650; AT1G21651; NADK2	preprotein translocase secA-like protein; zinc ion binding protein; NAD kinase 2
13460564	4.88	4.35	1.44	0.015453	0.314853	CSLA14	cellulose synthase like A14
13537020	4.88	4.46	1.33	0.335423	0.576654	ROF2	peptidylprolyl isomerase
13458106	4.88	4.5	1.3	0.590643	0.727154	MYB77	myb domain protein 77
13534006	4.88	4.5	1.3	0.162911	0.484829	ATR	serine/threonine-protein kinase ATR
13496860	4.88	4.51	1.29	0.379169	0.594872	CPUORF47	conserved peptide upstream open reading frame 47
13359080	4.88	4.55	1.26	0.007444	0.2896	AT1G74280	alpha/beta-hydrolase domain-containing protein
13353934	4.88	4.56	1.25	0.359527	0.586278	AT1G61050	alpha 1,4-glycosyltransferase-like protein
13345792	4.88	4.6	1.22	0.557527	0.704126	AT1G29290	hypothetical protein
13455162	4.88	4.59	1.22	0.710543	0.809561	AT3G29360	putative UDP-glucose 6-dehydrogenase 1
13384630	4.88	4.64	1.18	0.328404	0.574416	POLA2	DNA polymerase alpha 2

13415290	4.88	4.71	1.13	0.207559	0.513566	SYCO ARATH	cysteinyl-tRNA synthetase
13464689	4.88	4.72	1.12	0.65694	0.77257	PRL	protein PROLIFERA
13372577	4.88	4.73	1.11	0.514013	0.674837	AT1G26300	BSD domain-containing protein
13367153	4.88	4.74	1.1	0.508815	0.671483	RBL6	RHOMBOID-like protein 6
13537887	4.88	4.79	1.06	0.560662	0.706401	MEMB12	membrin 12
13404197	4.88	4.81	1.05	0.68509	0.791637	RPL16A	60S ribosomal protein L11-1
13408044	4.88	4.84	1.03	0.736716	0.827669	AT2G05810	armadillo/beta-catenin-like repeats-containing protein
13541492	4.88	4.89	-1.01	0.940655	0.964443	MBD7	methyl-CPG-binding domain 7 protein
13452840	4.88	4.94	-1.04	0.775022	0.853528	FIB4	putative plastid-lipid-associated protein 6
13503120	4.88	4.95	-1.05	0.910846	0.946066	AT5G18750; AT5G18748	DNAJ heat shock N-terminal domain-containing protein; hypothetical protein
13533859	4.88	5.07	-1.14	0.619671	0.746714	AT5G40370	glutaredoxin-C2
13423139	4.88	5.11	-1.17	0.063085	0.398838	AT3G02065	DEAD-box ATP-dependent RNA helicase 41
13487784	4.88	5.1	-1.17	0.710261	0.809417	AT4G21910	mate efflux domain-containing protein
13369792	4.88	5.15	-1.2	0.135914	0.465036	PDCB3	plasmodesmata callose-binding protein 3
13529271	4.88	5.14	-1.2	0.395272	0.603242	AT5G22140	FAD/NAD(P)-binding oxidoreductase family protein
13373727	4.88	5.16	-1.21	0.536181	0.689889	AT1G29530	hypothetical protein
13374577	4.88	5.18	-1.23	0.387758	0.598939	ROPGEF14	RHO guanyl-nucleotide exchange factor 14
13451687	4.88	5.17	-1.23	0.480185	0.652087	AT3G20300	hypothetical protein
13342841	4.88	5.47	-1.51	0.392322	0.601563	AT1G21060	hypothetical protein
13403215	4.88	5.53	-1.56	0.355967	0.584638	AT2G40400	hypothetical protein
13408368	4.88	5.57	-1.6	0.588254	0.726234	AT2G07815	hypothetical protein
13517681	4.88	5.61	-1.66	0.18048	0.495835	RABA1f	RAB GTPase homolog A1F
13405356	4.88	5.68	-1.75	0.248912	0.536631	AT2G45340	putative leucine-rich repeat transmembrane protein kinase
13403837	4.88	5.7	-1.76	0.315811	0.568464	GPDHC1	6-phosphogluconate dehydrogenase-like protein
13343487	4.88	6.44	-2.94	0.020567	0.324125	AT1G22750	hypothetical protein
13457008	4.87	3.1	3.39	0.02677	0.339318	AT3G47050	beta-glucosidase
13456862	4.87	3.63	2.35	0.146552	0.470962	AT3G46730	putative disease resistance RPP13-like protein 3
13426038	4.87	3.8	2.1	0.024647	0.333244	Fes1A	protein Fes1A
13363613	4.87	4.03	1.8	0.052794	0.383093	CYP88A3	Ent-kaurenoic acid oxidase 1
13501137	4.87	4.07	1.75	0.049633	0.378994	AT5G13660	hypothetical protein
13462999	4.87	4.12	1.68	0.153311	0.476366	AT3G61800	hypothetical protein
13348294	4.87	4.13	1.67	0.323186	0.572379	AT1G36310	S-adenosylmethionine-dependent methyltransferase domain-containing protein
13385247	4.87	4.16	1.64	0.214783	0.519459	AT1G69210; FLN2	hypothetical protein; fructokinase-like 2
13394469	4.87	4.19	1.61	0.011356	0.297771	AT2G19060; SHT	GDSL esterase/lipase; spermidine hydroxycinnamoyl transferase
13486157	4.87	4.19	1.61	0.325677	0.57345	AT4G17610	tRNA/rRNA methyltransferase (SpoU) family protein
13351321	4.87	4.19	1.6	0.235234	0.529705	AT1G52620	pentatricopeptide repeat-containing protein
13465362	4.87	4.27	1.52	0.083361	0.417856	AT4G03500	ankyrin repeat-containing protein
13364476	4.87	4.29	1.5	0.07013	0.406528	EXO70B2	exocyst complex component 7
13435910	4.87	4.3	1.49	0.419004	0.616615	AT3G45830	hypothetical protein
13382232	4.87	4.33	1.45	0.30505	0.565001	MEF9	mitochondrial editing factor 9

13346613	4.87	4.38	1.4	0.437193	0.62786	SRX	sulfiredoxin
13478512	4.87	4.39	1.39	0.41319	0.613675	GGPS1	geranylgeranyl pyrophosphate synthase 11
13391010	4.87	4.47	1.32	0.009596	0.296261	MEE12	maternal effect embryo arrest 12 protein
13457022	4.87	4.54	1.26	0.089212	0.426168	AT3G47080	tetratricopeptide repeat domain-containing protein
13391171	4.87	4.56	1.24	0.384514	0.597873	QUL2	putative methyltransferase PMT5
13514411	4.87	4.56	1.24	0.237982	0.532006	AT5G53360	E3 ubiquitin-protein ligase SINAT5
13531974	4.87	4.56	1.24	0.257702	0.541251	RPS1	small subunit ribosomal protein S1
13433602	4.87	4.7	1.13	0.212315	0.517488	SNM1	DNA cross-link repair protein SNM1
13411519	4.87	4.74	1.09	0.691167	0.796052	02-Sep	stress enhanced protein 2
13509573	4.87	4.75	1.09	0.634567	0.756941	AT5G42310	pentatricopeptide repeat-containing protein
13422343	4.87	4.81	1.04	0.86631	0.916627	AT2G47140	Rossmann-fold NAD(P)-binding domain-containing protein
13401597	4.87	4.94	-1.05	0.755885	0.840256	AT2G36570	leucine-rich repeat protein kinase-like protein
13455153	4.87	4.94	-1.05	0.417926	0.616286	AHP2	histidine-containing phosphotransfer protein 2
13502800	4.87	5.15	-1.21	0.688136	0.79368	AT5G17900	microfibrillar-associated protein 1
13376331	4.87	5.18	-1.24	0.102995	0.435908	AT1G44760	adenine nucleotide alpha hydrolase-like protein
13397428	4.87	5.21	-1.26	0.375814	0.593207	UGT76D1	UDP-glucosyl transferase 76D1
13356495	4.87	5.22	-1.27	0.108671	0.440714	IDD14; AAC1	indeterminate(ID)-domain 14 protein; ADP,ATP carrier protein 1
13457109	4.87	5.28	-1.32	0.467195	0.645127	NOA1	Nitric oxide synthase 1
13437511	4.87	5.32	-1.37	0.021355	0.325374	BAM2	receptor-like kinase BAM2
13344735	4.87	5.35	-1.39	0.06751	0.405582	AT1G26650	hypothetical protein
13535475	4.87	5.54	-1.58	0.109281	0.440715	AT5G44670	hypothetical protein
13344874	4.87	5.63	-1.69	0.024167	0.332298	RPL10B	60S ribosomal protein L10-2
13545379	4.87	6	-2.18	0.619503	0.746575	nad1	NADH dehydrogenase subunit 1
13396296	4.87	6	-2.19	0.010459	0.296271	AT2G23300	Leucine-rich repeat protein kinase family protein
13447573	4.86	2.62	4.7	0.070195	0.406528		
13381258	4.86	3.45	2.65	0.076913	0.411576	AT1G60230	radical SAM domain-containing protein
13358281	4.86	3.55	2.48	0.004255	0.262292	ALAAT2	alanine aminotransferase 2
13374339	4.86	3.69	2.25	0.163051	0.484829	OSB4	protein OSB4
13443722	4.86	3.76	2.15	0.006527	0.282667	AT3G02555	hypothetical protein
13419101	4.86	3.76	2.14	0.168382	0.487177		
13450543	4.86	3.81	2.07	0.021848	0.325596	AT3G17365	S-adenosyl-L-methionine-dependent methyltransferase-like protein
13393896	4.86	4	1.81	0.357693	0.585295	AT2G17705	hypothetical protein
13419748	4.86	4.01	1.8	0.110228	0.441206	AT2G41230; AT2G41231	hypothetical protein
13361398	4.86	4.03	1.77	0.09126	0.428443	HP6	histidine-containing phosphotransfer protein 6
13476376	4.86	4.07	1.73	0.373633	0.592616	AT4G32175; PANK2	PNAS-3 related protein; pantothenate kinase 2
13494341	4.86	4.09	1.71	0.088191	0.424413	AT4G36515	hypothetical protein
13465856	4.86	4.13	1.65	0.246763	0.535608	AT4G04960	concanavalin A-like lectin kinase-like protein
13483342	4.86	4.14	1.64	0.171262	0.489274	PLDGAMMA3	phospholipase D gamma 3
13435123	4.86	4.19	1.59	0.086327	0.421791	AT3G43540	hypothetical protein

13413947	4.86	4.2	1.58	0.186946	0.50131	AT2G27800	pentatricopeptide repeat-containing protein
13363125	4.86	4.26	1.52	0.258063	0.541251	AT1G04290	thioesterase-like protein
13451752	4.86	4.26	1.51	0.154879	0.477914	EMB2729	Alpha amylase family protein
13507152	4.86	4.29	1.49	0.460593	0.641763	AT5G34930	arogenate dehydrogenase
13421167	4.86	4.36	1.42	0.098106	0.433275	ROL5	cytoplasmic tRNA 2-thiolation protein 1
13459876	4.86	4.38	1.39	0.431933	0.624352	AT3G54363	hypothetical protein
13417219	4.86	4.41	1.36	0.176251	0.492597	AT2G35430	zinc finger CCCH domain-containing protein 28
13481330	4.86	4.48	1.31	0.399076	0.605136	AT4G03230	S-locus lectin protein kinase-like protein
13428012	4.86	4.55	1.24	0.212653	0.517763	AT3G14160	2-oxoglutarate-dependent dioxygenase family protein
13542068	4.86	4.6	1.2	0.5642	0.708858	AT5G61300; AT5G61290	hypothetical protein; flavin-containing monooxygenase-like protein
13420985	4.86	4.62	1.18	0.540621	0.692668	AT2G43900	Endonuclease/exonuclease/phosphatase family protein
13467120	4.86	4.69	1.13	0.63349	0.756098	AT4G10510	Subtilase family protein
13336787	4.86	4.7	1.12	0.734007	0.825904	TRFL7	protein TRF-like 7
13342272	4.86	4.69	1.12	0.727091	0.821047	AT1G19485	transducin/WD-40 repeat-containing protein
13348280	4.86	4.73	1.09	0.608032	0.738044	AT1G36280	adenylosuccinate lyase
13387390	4.86	4.73	1.09	0.631612	0.754645	AT1G74800	putative beta-1,3-galactosyltransferase 18
13456365	4.86	4.77	1.06	0.800079	0.871192	AT3G45440	concanavalin A-like lectin kinase-like protein
13494720	4.86	4.82	1.03	0.93794	0.962557	CYP81D5	cytochrome P450, family 81, subfamily D, polypeptide 5
13425904	4.86	4.87	-1.01	0.931591	0.958377	AT3G08947	armadillo/beta-catenin-like repeat-containing protein
13376720	4.86	4.89	-1.02	0.909728	0.945245	AT1G47900	filament-like plant protein 6
13517983	4.86	4.89	-1.03	0.837761	0.897617	PMSR1	peptide methionine sulfoxide reductase A1
13358092	4.86	4.97	-1.08	0.794199	0.867196	HISN6B; HPA1	Histidinol-phosphate aminotransferase
13466235	4.86	4.97	-1.08	0.224117	0.524779	AT4G08140	hypothetical protein
13447076	4.86	4.98	-1.09	0.799593	0.871005	RABC2b	RAB GTPase-like protein C2B
13358132	4.86	5.03	-1.12	0.527467	0.68447	FUT13	alpha-(1,4)-fucosyltransferase
13500823	4.86	5.05	-1.13	0.671511	0.782049	ABAP1	ARMADILLO BTB protein 1
13487767	4.86	5.06	-1.15	0.630721	0.754223	PRORP3	proteinaceous RNase P 3
13340795	4.86	5.14	-1.22	0.298119	0.562461	06-Oct	organic cation/carnitine transporter 6
13520162	4.86	5.2	-1.26	0.568651	0.711493	AT5G66450	Phosphatidic acid phosphatase (PAP2) family protein
13341863	4.86	5.35	-1.41	0.398858	0.605029	GR-RBP6	glycine-rich RNA-binding protein 6
13336046	4.86	5.37	-1.43	0.261321	0.543266	AT1G05320	hypothetical protein
13357091	4.86	5.58	-1.65	0.088349	0.424707	ZFHD1	zinc finger homeodomain 1
13383152	4.86	5.68	-1.76	0.18336	0.498165	ENODL8	early nodulin-like protein 8
13430792	4.86	5.68	-1.76	0.076151	0.410503	AT3G19970	hypothetical protein
13450147	4.86	6.03	-2.25	0.075508	0.410503	AT3G16300	hypothetical protein
13528708	4.85	2.87	3.95	0.000538	0.207323	AT5G20470	putative myosin
13497323	4.85	3.49	2.58	0.024586	0.333211	PAL3	phenylalanine ammonia-lyase 3
13523764	4.85	3.75	2.14	0.060929	0.397154	AT5G09300; AT5G09290	2-oxoisovalerate dehydrogenase E1 component, alpha subunit; putative SAL4 phosphatase
13390264	4.85	4.08	1.71	0.185011	0.499543	MGT1	magnesium transporter MRS2-10
13409165	4.85	4.1	1.68	0.037802	0.362096	PDV2	plastid division2 protein

13433349	4.85	4.13	1.64	0.18228	0.497337	AT3G26020	protein phosphatase 2A regulatory subunit B' eta
13459432	4.85	4.17	1.61	0.331961	0.576244	RIP4	interactor of constitutive active ROPs 5
13498478	4.85	4.19	1.57	0.218629	0.520838	AT5G06810	Mitochondrial transcription termination factor family protein
13431841	4.85	4.26	1.51	0.244075	0.534773	AT3G22415	hypothetical protein
13385591	4.85	4.27	1.5	0.054403	0.385759	EMB25	DEAD-box ATP-dependent RNA helicase ISE2
13490445	4.85	4.33	1.43	0.053728	0.3842	NARA5	pfkB-like carbohydrate kinase family protein
13363969	4.85	4.36	1.4	0.055179	0.387216	AT1G05770	mannose-binding lectin-like protein
13493307	4.85	4.37	1.39	0.005701	0.279573	EMB2758	pentatricopeptide repeat-containing protein
13429609	4.85	4.38	1.38	0.220716	0.522047	CHX19	cation/H(+) antiporter 19
13523211	4.85	4.4	1.36	0.029687	0.349008	AT5G07730	hypothetical protein
13485584	4.85	4.44	1.33	0.30324	0.56407	AT4G16680; AT4G16670	putative RNA helicase; hypothetical protein
13384778	4.85	4.49	1.29	0.014488	0.313095	HSFA8	heat stress transcription factor A-8
13447791	4.85	4.5	1.28	0.254022	0.539589	AT3G11290	hypothetical protein
13490727	4.85	4.55	1.24	0.143544	0.469229	AT4G28150	hypothetical protein
13459102	4.85	4.56	1.23	0.661692	0.775605	AT3G52480	hypothetical protein
13426275	4.85	4.57	1.22	0.515049	0.675541	AT3G09970	calcineurin-like metallo-phosphoesterase-like protein
13352202	4.85	4.58	1.2	0.695613	0.799273	AT1G54730	sugar transporter ERD6-like 5
13398701	4.85	4.61	1.19	0.274879	0.550583	AT2G29660	C2H2-type zinc finger protein
13475073	4.85	4.6	1.19	0.405914	0.609137	AT4G29070	Phospholipase A2 family protein
13497777	4.85	4.63	1.17	0.550173	0.699689	AT5G05210	Surfeit locus protein 6
13395521	4.85	4.63	1.16	0.072936	0.408583	AT2G21550	bifunctional dihydrofolate reductase/thymidylate synthase
13423382	4.85	4.63	1.16	0.292446	0.559559	LPP3	putative lipid phosphate phosphatase 3
13356262	4.85	4.69	1.12	0.661273	0.775368	AT1G67700	hypothetical protein
13415325	4.85	4.7	1.11	0.313353	0.568008	AT2G31240	tetratricopeptide repeat-containing protein
13351934	4.85	4.74	1.08	0.80141	0.872005	AT1G54110	Membrane fusion protein Use1
13420165	4.85	4.76	1.07	0.835752	0.896282	AT2G41980	ubiquitin-protein ligase SIAH1
13489952	4.85	4.78	1.05	0.901303	0.939497	AT4G26580	RING/U-box domain-containing protein
13544250	4.85	4.88	-1.02	0.858042	0.911439	SHI	Lateral root primordium-related protein
13523878	4.85	4.89	-1.03	0.910247	0.945613	AT5G09510	40S ribosomal protein S15-4
13369987	4.85	4.94	-1.06	0.444633	0.632223	AT1G19310	RING/U-box domain-containing protein
13449274	4.85	4.98	-1.09	0.429011	0.622614	EXO70D3	exocyst complex component 7
13415276	4.85	5.02	-1.12	0.617742	0.745299	AT2G31130	hypothetical protein
13495374	4.85	5.03	-1.13	0.469299	0.646456	AT4G38730	hypothetical protein
13386109	4.85	5.06	-1.15	0.449541	0.635283	AT1G71530	protein kinase domain-containing protein
13517242	4.85	5.09	-1.18	0.659371	0.774419	HTB4	histone H2B
13353887	4.85	5.11	-1.2	0.337787	0.577243	FED A	ferredoxin-2
13465922	4.85	5.11	-1.2	0.545552	0.696161	AT4G05091	hypothetical protein
13490666	4.85	5.17	-1.24	0.01204	0.301412	TET7; AT4G28040	tetraspanin7; nodulin MtN21 /EamA-like transporter family protein
13351712	4.85	5.2	-1.28	0.377898	0.594163	AT1G53542	hypothetical protein
13422243	4.85	5.31	-1.37	0.100501	0.434659	AT2G46980	hypothetical protein
13418251	4.85	5.35	-1.41	0.087122	0.422399	EXP3	expansin-A3
13424076	4.85	5.43	-1.5	0.269131	0.547671	PDLP4	cysteine-rich repeat secretory protein 39
13443342	4.85	5.55	-1.62	0.004436	0.262292	AT3G01513	hypothetical protein

13395357	4.84	3.83	2.02	0.229704	0.527312	AT2G21195	hypothetical protein
13397014	4.84	4.01	1.78	0.326601	0.573808	AT2G25480	TPX2 (targeting protein for Xklp2) family protein
13545421	4.84	4.1	1.67	0.321017	0.570941		
13545543	4.84	4.1	1.67	0.321017	0.570941		
13545555	4.84	4.1	1.67	0.321017	0.570941		
13542642	4.84	4.19	1.57	0.109406	0.440715	AT5G62760	ZAP - like protein
13336626	4.84	4.28	1.47	0.365633	0.589878	AT1G06500	hypothetical protein
13545563	4.84	4.32	1.43	0.581735	0.721238		
13515423	4.84	4.35	1.41	0.016734	0.316343	ATKCO1	calcium-activated outward-rectifying potassium channel 1
13341946	4.84	4.36	1.4	0.496286	0.66265	AT1G18740	hypothetical protein
13361156	4.84	4.49	1.28	0.123281	0.453558	SYP52	syntaxin-52
13447303	4.84	4.49	1.28	0.204081	0.511039	GYRB1	DNA gyrase subunit B
13365497	4.84	4.53	1.24	0.56142	0.706857	AT1G09157	hypothetical protein
13397546	4.84	4.55	1.23	0.273409	0.549997	CYCB1;4	cyclin-B1-4
13416635	4.84	4.53	1.23	0.502032	0.666492	AT2G34050	ATP synthase mitochondrial F1 complex assembly factor 1
13479838	4.84	4.56	1.21	0.25704	0.541049	AT4G40070	RING-H2 finger protein ATL32
13475716	4.84	4.62	1.17	0.156225	0.478985	MUS81	crossover junction endonuclease MUS81
13510852	4.84	4.7	1.1	0.28851	0.557599	AT5G45370	nodulin MtN21 /EamA-like transporter family protein
13531754	4.84	4.71	1.1	0.574702	0.716104	AT5G28300	putative trihelix DNA-binding protein
13356210	4.84	4.75	1.06	0.620104	0.747045	AT1G67570	hypothetical protein
13444167	4.84	4.8	1.03	0.895198	0.935419	RPS2	ribosomal protein S2
13391154	4.84	4.85	-1.01	0.833453	0.894611	AT2G03330	hypothetical protein
13411002	4.84	4.91	-1.05	0.743001	0.831234	PIA1	putative protein phosphatase 2C 20
13486025	4.84	4.9	-1.05	0.635157	0.757487	AT4G17420	Tryptophan RNA-binding attenuator protein-like protein
13396210	4.84	4.94	-1.08	0.786358	0.861454	NPY4	Phototropic-responsive NPH3-like protein
13485094	4.84	4.96	-1.09	0.77782	0.855357	MO1	monooxygenase 1
13527198	4.84	5.13	-1.22	0.354528	0.584365	AT5G16990	2-alkenal reductase
13531595	4.84	5.13	-1.23	0.548625	0.698578	TOPP8	serine/threonine-protein phosphatase PP1 isozyme 8
13533491	4.84	5.18	-1.26	0.603414	0.734651	AT5G39240	hypothetical protein
13357628	4.84	5.21	-1.3	0.185417	0.499807	CLE17	protein CLAVATA3/ESR-related 17
13436611	4.84	5.69	-1.81	0.051467	0.382129	ATH6	ABC transporter A family member 7
13514434	4.84	5.84	-2	0.09009	0.427018	AT5G53420	CCT motif family protein
13384670	4.84	6.25	-2.66	0.01156	0.299497	ARR11	two-component response regulator ARR11
13422579	4.84	6.29	-2.74	0.215989	0.519767	AGP26	arabinogalactan protein 26
13355915	4.84	6.6	-3.38	0.009249	0.296261	AT1G66760	MATE efflux family protein
13545215	4.84	7.5	-6.33	0.365316	0.589672	ArthMp102	hypothetical protein
13517083	4.83	3.5	2.51	0.035514	0.356207		
13464163	4.83	3.98	1.81	0.098481	0.433275	AT4G00905	NC domain-containing protein-like protein
13540879	4.83	4.15	1.6	0.310494	0.566973	SIP1	CBL-interacting serine/threonine-protein kinase 10
13472367	4.83	4.44	1.31	0.253158	0.539191	AT4G23330	hypothetical protein
13412979	4.83	4.46	1.29	0.528743	0.685555	AT2G25830	YebC-related protein
13440028	4.83	4.61	1.17	0.454552	0.638011	AT3G55910; AT3G55890	hypothetical protein; yippee family putative zinc-binding protein

13371438	4.83	4.69	1.1	0.276845	0.551433	AT1G22970	hypothetical protein
13403871	4.83	4.69	1.1	0.326672	0.573859	AT2G41670	P-loop containing nucleoside triphosphate hydrolase-like protein
13431508	4.83	4.69	1.1	0.687405	0.793125	AT3G21480	BRCT domain-containing DNA repair protein
13428589	4.83	4.81	1.01	0.979894	0.988087	COX17	cytochrome c oxidase subunit XVII assembly protein
13462853	4.83	4.84	-1.01	0.977846	0.986996	AT3G61520	pentatricopeptide repeat-containing protein
13544240	4.83	4.88	-1.04	0.361897	0.587911	GATA5	GATA transcription factor 5
13500566	4.83	4.89	-1.05	0.83852	0.898194	AT5G11890	hypothetical protein
13403960	4.83	4.94	-1.08	0.69239	0.796915	AT2G42040	hypothetical protein
13500246	4.83	5.05	-1.16	0.620752	0.747434	AT5G11230	Nucleotide-sugar transporter family protein
13537894	4.83	5.18	-1.27	0.380683	0.596105	AT5G50450	MYND-type zinc finger protein
13421330	4.83	5.23	-1.32	0.021674	0.325596	CYCP4;1	cyclin-U4-1
13341317	4.83	5.32	-1.4	0.353069	0.583541	AT1G17330	Metal-dependent phosphohydrolase
13445882	4.83	5.41	-1.49	0.188797	0.502829	AT3G07010	putative pectate lyase 8
13539973	4.83	5.47	-1.55	0.466846	0.645035	PRA1.G2	PRA1 family protein G2
13529672	4.83	6.3	-2.77	0.019573	0.322448	AT5G22860	Serine carboxypeptidase S28 family protein
13473654	4.83	6.81	-3.95	0.05791	0.39275	AT4G26010	peroxidase 44
13545198	4.83	6.92	-4.28	0.324033	0.572935	ArthMp075	hypothetical protein
13375655	4.82	3.4	2.67	0.005885	0.279573	AT1G35350	phosphate transporter PHO1-8
13375725	4.82	3.86	1.95	0.002695	0.253459	AT1G35625	RING/U-box domain-containing protein
13461065	4.82	3.93	1.85	0.045889	0.376634	AT3G57160	UPF0467 protein B
13455638	4.82	4.11	1.63	0.136574	0.465256	AT3G42860	CCHC-type zinc knuckle protein
13520854	4.82	4.15	1.59	0.077592	0.412846	RSR4	Pyridoxal biosynthesis protein PDX1.3
13471664	4.82	4.27	1.46	0.042098	0.368598	AT4G21530	anaphase-promoting complex subunit 4
13437460	4.82	4.28	1.45	0.23096	0.527788	AT3G49550; AT3G49551	hypothetical protein
13510265	4.82	4.37	1.36	0.257775	0.541251	SUVR2	histone-lysine N-methyltransferase SUVR2
13351505	4.82	4.43	1.31	0.524336	0.682038	DRP5A	Dynamin related protein 5A
13420860	4.82	4.44	1.3	0.060042	0.395762	AT2G43560	peptidylprolyl isomerase
13422760	4.82	4.46	1.28	0.152655	0.475367	AT3G01210	RNA recognition motif-containing protein
13366688	4.82	4.48	1.27	0.024958	0.33454	AT1G11360	adenine nucleotide alpha hydrolases-like protein
13336719	4.82	4.47	1.27	0.330424	0.575605	AT1G06730	pfkB-type carbohydrate kinase-like protein
13487188	4.82	4.49	1.26	0.574551	0.716032	CYP71A28	putative cytochrome P450 71A28
13516645	4.82	4.5	1.25	0.06207	0.398248	AT5G58320	Kinase interacting (KIP1-like) family protein
13410215	4.82	4.5	1.24	0.097449	0.433188	TXND9	thioredoxin domain-containing protein 9-like protein
13355685	4.82	4.58	1.18	0.654981	0.771154	VIM2	E3 ubiquitin-protein ligase ORTHRUS 5
13476724	4.82	4.64	1.13	0.546066	0.696588	AT4G32710	proline-rich receptor-like protein kinase
13435800	4.82	4.67	1.11	0.027063	0.340635	SEN1; TET3	tRNA-splicing endonuclease subunit Sen2-1; tetraspanin3
13447839	4.82	4.69	1.09	0.329256	0.574796	AT3G11470	4'-phosphopantetheinyl transferase
13341805	4.82	4.72	1.07	0.749402	0.835615	AT1G18560	BED zinc finger and hAT dimerization domain-containing protein
13390436	4.82	4.72	1.07	0.387091	0.598595	AT2G01400; AT2G01410	hypothetical protein; NHL domain-containing protein
13361674	4.82	4.81	1.01	0.972938	0.984272	PDE318	putative GTP-binding protein
13507167	4.82	4.85	-1.02	0.892107	0.933616	AT5G35170	adenylate kinase family protein

13518146	4.82	4.87	-1.04	0.761618	0.843805	AGD1; AT5G61990	ARF-GAP domain 1 protein; pentatricopeptide repeat-containing protein
13394767	4.82	4.95	-1.1	0.826564	0.889655	AT2G19810	zinc finger CCCH domain-containing protein 20
13434486	4.82	4.97	-1.11	0.268885	0.54764	AT3G29010	biotin/lipoate A/B protein ligase family protein
13425775	4.82	5.03	-1.16	0.114979	0.446247	AT3G08600	hypothetical protein
13384617	4.82	5.05	-1.17	0.508357	0.671222	AT1G67590	Remorin family protein
13488215	4.82	5.06	-1.18	0.331693	0.576146	AT4G22840	putative sodium-bile acid cotransporter
13362734	4.82	5.14	-1.25	0.609301	0.739204	2A6	putative 1-aminocyclopropane-1-carboxylate oxidase
13501766	4.82	5.2	-1.3	0.155269	0.478104	AT5G15265	hypothetical protein
13463705	4.82	5.44	-1.53	0.390827	0.600366	CKX6	cytokinin oxidase/dehydrogenase 6
13541204	4.82	5.63	-1.76	0.109475	0.440715	AT5G59050	hypothetical protein
13380161	4.82	5.86	-2.06	0.042865	0.369934	AT1G55990	glycine-rich protein
13364773	4.82	5.9	-2.11	0.026688	0.339318	OBP2	Dof zinc finger protein DOF1.1
13381189	4.82	6.21	-2.61	0.499112	0.664416	AGL49	protein agamous-like 49
13406627	4.82	9.57	-26.83	0.047097	0.377606	AT2G01023	hypothetical protein
13347701	4.81	3.31	2.82	0.030813	0.350366	NAC016	NAC domain containing protein 16
13353721	4.81	3.49	2.49	0.053901	0.3842	AT1G60095	jacalin-like lectin domain-containing protein
13432152	4.81	3.59	2.33	0.077733	0.412995	AT3G23260	putative F-box protein
13523927	4.81	3.79	2.04	0.160876	0.483101	AT5G09670; CPuORF21	loricrin-related protein
13404619	4.81	3.8	2.01	0.040632	0.365846	AT2G43720	hypothetical protein
13423435	4.81	3.9	1.88	0.009965	0.296261	AT3G02690; AT3G02700	nodulin MtN21 /EamA-like transporter protein; NC domain-containing protein
13461318	4.81	3.99	1.77	0.073123	0.408856	AT3G57710; AT3G57700	protein kinase family protein; putative protein kinase
13435869	4.81	4.06	1.68	0.033622	0.354018	AT3G45730	hypothetical protein
13539530	4.81	4.06	1.67	0.21673	0.519916	AT5G54930; AT5G54920	AT hook motif-containing protein; hypothetical protein
13543679	4.81	4.27	1.45	0.21349	0.518061	AT5G65205	Rossmann-fold NAD(P)-binding domain-containing protein
13470255	4.81	4.48	1.26	0.123423	0.453558	AT4G18205	putative purine permease 21
13336127	4.81	4.54	1.21	0.259499	0.542265	HEXO2	beta-hexosaminidase 2
13503436	4.81	4.57	1.18	0.469891	0.646758	AT5G19310	Homeotic gene regulator
13347722	4.81	4.59	1.17	0.414302	0.614187	SERK2	somatic embryogenesis receptor kinase 2
13418068	4.81	4.58	1.17	0.416722	0.615627	AT2G37230	pentatricopeptide repeat-containing protein
13523803	4.81	4.6	1.16	0.486522	0.65598	PI-4KBETA2	phosphatidylinositol 4-kinase 2
13414723	4.81	4.67	1.1	0.792765	0.865995	AT2G30000; AT1G07170	PHD finger-like domain-containing protein 5A; PHF5-like protein
13485019	4.81	4.69	1.09	0.84539	0.902577	AT4G15400	HXXXD-type acyl-transferase-like protein
13382004	4.81	4.69	1.08	0.116889	0.446922	RALFL9	ralf-like 9 protein
13512613	4.81	4.73	1.05	0.838977	0.898482	AT5G49440	hypothetical protein
13452656	4.81	4.75	1.04	0.245598	0.535303	AT3G22660	putative rRNA-processing protein EBP2-like protein
13375348	4.81	4.78	1.02	0.810707	0.878797	AT1G34010	hypothetical protein
13502632	4.81	4.79	1.01	0.965751	0.979841	AT5G17350	hypothetical protein
13454478	4.81	4.83	-1.01	0.952156	0.971478	AT3G27550	RNA-binding CRS1 / YhbY (CRM) domain protein

13452868	4.81	4.85	-1.03	0.850233	0.905717	EDA6	embryo sac development arrest 6 protein
13385364	4.81	4.88	-1.05	0.855645	0.90955	AT1G69480	phosphate transporter PHO1-10
13440260	4.81	5.03	-1.16	0.642309	0.761474	AT3G56650	PsbP domain-containing protein 6
13539545	4.81	5.07	-1.19	0.589926	0.726928	PDC2	pyruvate decarboxylase-2
13410034	4.81	5.11	-1.23	0.61259	0.741746	HB24; AT2G18340	homeobox protein 24; late embryogenesis abundant domain-containing protein
13528621	4.81	5.46	-1.57	0.064063	0.400603	AT5G20300	translocase of chloroplast 90
13423402	4.8	3.4	2.65	0.088969	0.425695	AT3G02620	acyl-[acyl-carrier-protein] desaturase
13504841	4.8	3.41	2.62	0.064266	0.400717	AT5G23280	transcription factor TCP7
13481621	4.8	3.75	2.06	0.183841	0.498487	CPK31	calcium-dependent protein kinase 31
13528512	4.8	3.88	1.89	0.202952	0.510604	IPT9	tRNA dimethylallyltransferase 9
13427171	4.8	3.93	1.83	0.155166	0.478025	TGA6	transcription factor TGA6
13486513	4.8	3.93	1.83	0.141378	0.46788	RABA1e	RAB GTPase homolog A1E
13434012	4.8	3.94	1.82	0.011323	0.297771	LBD25	LOB domain-containing protein 25
13480858	4.8	3.99	1.76	0.25299	0.539119	AT4G02210; AT4G02200	hypothetical protein; protein dehydration-INDUCED 19-5
13515003	4.8	4.15	1.57	0.177543	0.493515	AT5G54590	protein kinase family protein
13428631	4.8	4.19	1.52	0.017527	0.319218	AT3G15395	hypothetical protein
13499823	4.8	4.19	1.52	0.058289	0.393329	AT5G10080	aspartic proteinase-like protein 1
13343979	4.8	4.25	1.47	0.38679	0.598595	AT1G23935	hypothetical protein
13368898	4.8	4.25	1.47	0.241016	0.533477	AT1G16800	hydrolase domain-containing protein
13364320	4.8	4.33	1.39	0.0882	0.424413	AT1G06710	pentatricopeptide repeat-containing protein
13405149	4.8	4.35	1.37	0.032439	0.353134		
13444676	4.8	4.38	1.34	0.152842	0.475631	AT3G04750	pentatricopeptide repeat-containing protein
13382329	4.8	4.43	1.3	0.29343	0.559575	AT1G62422	hypothetical protein
13507619	4.8	4.45	1.28	0.115961	0.446616	AT5G37000	Exostosin family protein
13436388	4.8	4.45	1.27	0.256147	0.540533	AT3G47380	plant invertase/pectin methylesterase inhibitor domain-containing protein
13393952	4.8	4.47	1.25	0.555472	0.703082	AT2G17787	hypothetical protein
13441633	4.8	4.53	1.2	0.034822	0.355472	AT3G60150	hypothetical protein
13516672	4.8	4.56	1.18	0.134719	0.463251	AT5G58370	putative GTP-binding protein CGPA
13480077	4.8	4.58	1.17	0.724833	0.819667	AT4G00500; BAM2	lipase class 3 family protein / calmodulin-binding heat-shock protein-related; beta-amylase 2
13403009	4.8	4.64	1.12	0.44202	0.630714	AT2G39910	armadillo/beta-catenin-like repeats-containing protein
13513826	4.8	4.64	1.12	0.539031	0.691822	AT5G52030	TraB family protein
13408470	4.8	4.65	1.11	0.785231	0.860583		
13402876	4.8	4.65	1.1	0.705536	0.806299	AT2G39740	Nucleotidyltransferase family protein
13397273	4.8	4.68	1.09	0.766054	0.847127	AT2G26120	glycine-rich protein
13498122	4.8	4.68	1.09	0.668221	0.779614	UGT76C1	cytokinin-N-glucosyltransferase 1
13387578	4.8	4.76	1.03	0.417508	0.615962	AT1G75140	hypothetical protein
13371885	4.8	4.78	1.01	0.973685	0.984744	AT1G23980	RING-H2 finger protein ATL47
13366072	4.8	4.82	-1.02	0.853476	0.907953	FRS11	protein FAR1-related sequence 11
13530696	4.8	4.83	-1.02	0.857472	0.91095	CYP71A15	cytochrome P450 71A15
13364703	4.8	4.9	-1.08	0.820768	0.885451	AT1G07500	hypothetical protein
13516227	4.8	4.92	-1.08	0.517692	0.677247	AT5G57565	protein kinase family protein
13411199	4.8	5.1	-1.23	0.577379	0.717663	GRP2B	glycine-rich protein 2B
13544219	4.8	5.21	-1.33	0.156958	0.479564	NAC105	NAC domain containing protein 105
13413218	4.8	5.25	-1.37	0.122762	0.45286	AT2G26390	serpin-Z3

13476544	4.8	5.46	-1.58	0.40688	0.609755	AT4G32450; AT4G32460	pentatricopeptide repeat-containing protein; hypothetical protein
13457503	4.8	5.48	-1.59	0.411177	0.612438	AT3G48540	dCMP deaminase
13477393	4.8	5.73	-1.9	0.093962	0.430535	SK11	S-phase kinase-associated protein 1
13491619	4.8	5.78	-1.97	0.080476	0.415059	CNGC9	cyclic nucleotide gated channel 9
13414205	4.8	5.95	-2.22	0.057666	0.39275	RAP2.7	ethylene-responsive transcription factor RAP2-7
13465281	4.8	5.96	-2.24	0.233852	0.529398	XTH9	xyloglucan endotransglucosylase/hydrolase protein 9
13389267	4.8	6.47	-3.17	0.02115	0.324494	AT1G78990	HXXXD-type acyl-transferase
13545651	4.8	6.93	-4.39	0.107481	0.4394		
13545653	4.8	6.93	-4.39	0.107481	0.4394		
13376091	4.8	7.66	-7.28	0.007147	0.287967	AT1G43310	Nucleotide-sugar transporter family protein
13384593	4.79	3.46	2.52	0.145612	0.470297	AT1G67520	lectin protein kinase-like protein
13340224	4.79	3.54	2.37	0.096722	0.43273	LPP2	Lipid phosphate phosphatase 2
13452387	4.79	3.73	2.07	0.200471	0.509842	AT3G21650	protein phosphatase 2 (formerly 2A), regulatory subunit B'
13398143	4.79	3.8	1.98	0.014919	0.313095	CNGC15	cyclic nucleotide-gated channel 15
13503327	4.79	3.9	1.86	0.093846	0.430403	TBL11	protein trichome birefringence-like 11
13376873	4.79	3.97	1.77	0.321768	0.571427	AT1G48200	hypothetical protein
13426671	4.79	4.16	1.55	0.303621	0.564264	AT3G10980	PLAC8 family protein
13403885	4.79	4.29	1.42	0.387857	0.598991	AT2G41705	camphor resistance CrcB-like protein
13432213	4.79	4.3	1.4	0.430557	0.623341		
13500965	4.79	4.32	1.38	0.192871	0.505638	AT5G13310	hypothetical protein
13414857	4.79	4.35	1.36	0.195277	0.50631	AT2G30330	biogenesis of lysosome-related organelles complex 1 subunit 1
13467664	4.79	4.36	1.35	0.284761	0.55631	AT4G11970	YT521-B-like protein
13437020	4.79	4.37	1.34	0.275276	0.550583	EMB2423	protein embryo defective 2423
13396544	4.79	4.39	1.32	0.029158	0.348027	AT2G24090	Ribosomal protein L35
13508792	4.79	4.41	1.3	0.34371	0.579122	AT5G40550	SGF29 tudor-like domain -containing protein
13394841	4.79	4.45	1.26	0.281992	0.555262	CAF1	CRS2-associated factor 1
13510261	4.79	4.47	1.25	0.513802	0.674811	TOM22-V	mitochondrial import receptor subunit TOM22-2
13414504	4.79	4.52	1.21	0.23473	0.529692	SMO2-2	sterol 4-alpha-methyl-oxidase 2-2
13365804	4.79	4.53	1.2	0.485551	0.655211	AT1G09800	tRNA pseudouridine synthase A
13544661	4.79	4.54	1.19	0.596591	0.730888	RLK	receptor-like kinase
13363175	4.79	4.56	1.17	0.030562	0.350098	AT1G04390	BTB/POZ domain-containing protein
13407803	4.79	4.56	1.17	0.108996	0.440715	AT2G04560	transferase
13413283	4.79	4.57	1.17	0.508319	0.671222	HEMD	Uroporphyrinogen-III synthase
13500085	4.79	4.59	1.15	0.172693	0.490135	UBP22	ubiquitin carboxyl-terminal hydrolase 22
13338495	4.79	4.61	1.14	0.14354	0.469229	ACLA-1	ATP-citrate lyase A-1
13508543	4.79	4.61	1.14	0.523822	0.681693	AT5G39960	GTP-binding protein
13477395	4.79	4.61	1.13	0.57623	0.716946	ALDH3I1	aldehyde dehydrogenase 3I1
13396619	4.79	4.68	1.08	0.721966	0.817572	AT2G24350	RNA recognition motif-containing protein
13347548	4.79	4.69	1.07	0.588351	0.726272	AT1G33790	jacalin lectin family protein
13526030	4.79	5	-1.16	0.531381	0.687067	AT5G14370	CCT motif family protein
13393868	4.79	5.09	-1.23	0.172807	0.490173	AT2G17630	putative phosphoserine aminotransferase
13417641	4.79	5.11	-1.25	0.593407	0.728815	DML1	protein ROS1
13520412	4.79	5.16	-1.29	0.098514	0.433275	RALFL34	protein ralf-like 34
13390343	4.79	5.34	-1.46	0.020512	0.324125	ORC4	origin recognition complex subunit 4

13543767	4.79	5.39	-1.52	0.050308	0.380289	AGP7	arabinogalactan protein 7
13545389	4.79	5.46	-1.6	0.212673	0.517763	nad1	NADH dehydrogenase subunit 1
13521782	4.79	5.65	-1.82	0.011413	0.297771	AT5G03995; AT5G03990	hypothetical protein
13368936	4.79	5.73	-1.92	0.002791	0.253459	AT1G16850	hypothetical protein
13414561	4.79	5.86	-2.09	0.034708	0.355201	AT2G29500	HSP20 family protein
13400865	4.79	6.22	-2.69	0.377341	0.593949	SETH1	phosphatidylinositol glycan, class C
13464391	4.79	7.64	-7.18	0.01389	0.310827	AT4G01440	nodulin MtN21 /EamA-like transporter family protein
13545175	4.79	7.96	-8.98	0.262218	0.543595	ArthMp053	hypothetical protein
13352556	4.78	3.85	1.91	0.027187	0.34139	AT1G55475	hypothetical protein
13441189	4.78	4.02	1.69	0.108527	0.440622	AT3G59150	F-box domain-containing protein
13401503	4.78	4.06	1.65	0.123771	0.453788	AT2G36370	ubiquitin-protein ligase
13458432	4.78	4.08	1.62	0.02183	0.325596	AT3G50790	esterase/lipase/thioesterase family protein
13335597	4.78	4.12	1.59	0.175746	0.492347	IAA10	auxin-responsive protein IAA10
13515392	4.78	4.14	1.56	0.030041	0.350098	AT5G55580	Mitochondrial transcription termination factor family protein
13523942	4.78	4.23	1.47	0.233585	0.529224	MGT7	magnesium transporter MRS2-7
13503876	4.78	4.25	1.44	0.229799	0.52734	AT5G20130	hypothetical protein
13488147	4.78	4.26	1.43	0.319978	0.570589	MBD1	methyl-CPG-binding domain 1
13342243	4.78	4.28	1.42	0.301331	0.563858	AT1G19397; AT1G19396; AT1G19394	hypothetical protein
13470013	4.78	4.37	1.33	0.287425	0.557153	AT4G17616	pentatricopeptide repeat-containing protein
13506376	4.78	4.36	1.33	0.43719	0.62786	GID1C	putative gibberellin receptor GID1L3
13530406	4.78	4.45	1.25	0.385042	0.598088	TTG1	protein TRANSPARENT TESTA GLABRA 1
13539056	4.78	4.45	1.25	0.200623	0.509845	AT5G53500	transducin/WD40 domain-containing protein
13414080	4.78	4.49	1.22	0.376266	0.593207	AT2G28230	TATA-binding related factor (TRF) of subunit 20 of Mediator complex
13480529	4.78	4.52	1.2	0.204487	0.511362	AT4G01400	hypothetical protein
13534812	4.78	4.6	1.13	0.72557	0.820105	WPP1	WPP domain-containing protein 1
13365828	4.78	4.68	1.08	0.778793	0.856064	AT1G09820	pentatricopeptide repeat-containing protein
13409046	4.78	4.68	1.07	0.597876	0.731241	AT2G15560	Putative endonuclease or glycosyl hydrolase
13391142	4.78	4.7	1.06	0.710313	0.809427	AT2G03270	putative DNA-binding protein
13513562	4.78	4.7	1.06	0.866908	0.917103	ATTPPA	haloacid dehalogenase-like hydrolase domain-containing protein
13409088	4.78	4.71	1.05	0.897283	0.936763	SQN	Peptidyl-prolyl cis-trans isomerase CYP40
13474558	4.78	4.72	1.05	0.687344	0.793119	AT4G28170	hypothetical protein
13423319	4.78	4.79	-1.01	0.957119	0.974715	AT3G02400	SMAD/FHA domain-containing protein
13484493	4.78	4.86	-1.06	0.375805	0.593207	AT4G14320; AT3G23390	60S ribosomal protein L36a
13398865	4.78	4.93	-1.11	0.518921	0.678018	KT1	potassium transporter 1
13442516	4.78	4.95	-1.12	0.465165	0.644052	ROC4	Peptidyl-prolyl cis-trans isomerase CYP20-3
13478016	4.78	4.96	-1.13	0.590621	0.727154	AT4G35560	transducin/WD40 domain-containing protein
13531751	4.78	4.97	-1.14	0.56254	0.707644	AT5G28295	hypothetical protein
13399147	4.78	4.99	-1.15	0.676251	0.785456	VAR2	cell division protease ftsH-2
13444972	4.78	4.99	-1.16	0.256051	0.540524	AT3G05345; AT3G05340	DnaJ domain-containing protein; pentatricopeptide repeat-containing protein
13456816	4.78	5.15	-1.29	0.283497	0.555903	AT3G46620	C3H4 type zinc finger protein

13357887	4.78	5.15	-1.3	0.045988	0.376714	AT1G71530	protein kinase domain-containing protein
13492376	4.78	5.23	-1.37	0.063599	0.399503	AT4G32260	F-type H+-transporting ATPase subunit b
13390730	4.78	5.47	-1.61	0.098831	0.433682	IDD5	indeterminate(ID)-domain 5 protein
13418072	4.78	5.52	-1.67	0.0589	0.394551	AT2G37240	Thioredoxin-like protein
13410115	4.78	5.9	-2.17	0.431472	0.62397	AT2G18520	pentatricopeptide repeat-containing protein
13505451	4.78	6.19	-2.66	0.045643	0.376165	AT5G24880	hypothetical protein
13522094	4.78	6.86	-4.22	0.237201	0.531281	AT5G04853	hypothetical protein
13360931	4.78	7.55	-6.82	0.022131	0.326278	PSBR; RPL24A	photosystem II subunit R; 60S ribosomal protein L24-1
13414996	4.77	2.09	6.37	0.001888	0.253459	AT2G30540	monothiol glutaredoxin-S9
13412951	4.77	3.36	2.65	0.033987	0.354099	AT2G25735	hypothetical protein
13353261	4.77	3.61	2.24	0.045732	0.376483	ZF14	MATE efflux family protein
13475626	4.77	3.78	1.99	0.039327	0.364658	AT4G30640	putative F-box/LRR-repeat protein 19
13456856	4.77	3.81	1.95	0.267837	0.546492	AT3G46710	putative disease resistance RPP13-like protein 2
13396413	4.77	4	1.7	0.330242	0.575506	AT2G23740	zinc binding motif and SET domain-containing protein
13491083	4.77	4.04	1.67	0.176891	0.49325	AT4G29420	F-box/LRR-repeat protein
13415587	4.77	4.04	1.65	0.003431	0.253459	UGT74D1	UDP-glucosyl transferase 74D1
13382676	4.77	4.09	1.61	0.113407	0.444631	AT1G63310	hypothetical protein
13453762	4.77	4.09	1.6	0.195226	0.506274	AT3G25855	Copper transport protein family
13535863	4.77	4.24	1.44	0.382092	0.596892	SUV2	ATR-interacting protein-like protein
13514212	4.77	4.25	1.43	0.033111	0.354018	AT5G52960	hypothetical protein
13343239	4.77	4.26	1.43	0.497461	0.663537	MUB6	membrane-anchored ubiquitin-fold protein 6
13519131	4.77	4.31	1.37	0.407403	0.610208	MC3	metacaspase 3
13372878	4.77	4.33	1.36	0.468045	0.645611	SPL10	squamosa promoter-binding-like protein 10
13390215	4.77	4.37	1.33	0.342625	0.579024	DRS1	drought-sensitive 1 protein
13439903	4.77	4.47	1.23	0.581914	0.721369	AT3G55690	hypothetical protein
13373952	4.77	4.48	1.22	0.048207	0.37767	AT1G29980	hypothetical protein
13530985	4.77	4.55	1.17	0.19189	0.505	AT5G25790	Tesmin/TSO1-like CXC domain-containing protein
13420902	4.77	4.61	1.12	0.760445	0.843114	AT2G43660	carbohydrate-binding X8 domain-containing protein
13397382	4.77	4.63	1.11	0.530457	0.686612	AT2G26310	chalcone-flavanone isomerase-like protein
13346684	4.77	4.67	1.07	0.186603	0.500853	RECQL2	ATP-dependent DNA helicase Q-like 2
13337083	4.77	4.69	1.06	0.794375	0.867289	HTB1	histone H2B
13352488	4.77	4.69	1.06	0.792023	0.86558	AAE18	acyl-activating enzyme 18
13407088	4.77	4.74	1.02	0.896529	0.93633	IDD4	indeterminate(ID)-domain 4 protein
13368193	4.77	4.81	-1.03	0.883305	0.928797	AT1G14970	O-fucosyltransferase family protein
13393180	4.77	5.06	-1.22	0.332653	0.576298	UGT73B5	UDP-glucosyl transferase 73B5
13542549	4.77	5.05	-1.22	0.66168	0.775605	AT5G62550	hypothetical protein
13355879	4.77	5.11	-1.27	0.345818	0.58045	LIG6	DNA ligase 6
13340802	4.77	5.46	-1.62	0.20601	0.512701	CYP79F2	Hexahomomethionine N-hydroxylase
13390794	4.77	5.51	-1.66	0.069054	0.406403	GSTZ2	putative glutathione S-transferase zeta-class 2
13371750	4.77	5.81	-2.07	0.114639	0.445813	AT1G23650	hypothetical protein
13472859	4.77	6.32	-2.92	0.10428	0.4366	AT4G24310	hypothetical protein
13483407	4.77	6.34	-2.97	0.006082	0.280665	PGRL1B	PGR5-like protein 1B
13411580	4.77	6.81	-4.11	0.039736	0.365591	AT2G22170	PLAT-plant-stress domain-containing protein

13524896	4.76	3.54	2.33	0.004813	0.266511	AT5G11610	Exostosin family protein
13518334	4.76	3.67	2.13	0.045283	0.375052	NAC101	NAC-domain protein 101
13489864	4.76	3.71	2.07	0.080375	0.414834	AT4G26400	RING/U-box domain-containing protein
13362308	4.76	3.89	1.84	0.219461	0.521515	AT1G02290	hypothetical protein
13359781	4.76	3.96	1.73	0.007694	0.290374	AT1G76405	hypothetical protein
13367186	4.76	4	1.69	0.30199	0.563867	AT1G12800	S1 RNA-binding domain-containing protein
13488770	4.76	4.04	1.65	0.013028	0.304986	AT4G24110	hypothetical protein
13439041	4.76	4.05	1.64	0.203357	0.510709	ACT3; ACT1	actin 3; actin 1
13486819	4.76	4.12	1.56	0.17421	0.491316	AT4G19150	ankyrin repeat-containing protein
13507781	4.76	4.24	1.44	0.064817	0.401596	AT5G37530	Rossmann-fold NAD(P)-binding domain-containing protein
13396938	4.76	4.26	1.41	0.428044	0.622066	AT2G25350	Phox (PX) domain-containing protein
13361944	4.76	4.3	1.38	0.147853	0.471913	CNGC10	cyclic nucleotide gated channel
13491163	4.76	4.32	1.36	0.298388	0.562461	ACHT2	thioredoxin-like 2-2
13490776	4.76	4.4	1.29	0.309317	0.566768	AT4G28320	mannan endo-1,4-beta-mannosidase 5
13429674	4.76	4.4	1.28	0.611165	0.740617	AT3G17710	F-box protein
13418644	4.76	4.44	1.25	0.424532	0.619924	AT2G38680	5'-nucleotidase / magnesium ion binding protein
13371230	4.76	4.51	1.19	0.177903	0.493837	MBD8	methyl-CPG-binding domain 8
13402020	4.76	4.6	1.12	0.157281	0.479888	AT2G37585	Core-2/I-branching beta-1,6-N-acetylglucosaminyltransferase-like protein
13343330	4.76	4.64	1.09	0.514949	0.675484	AT1G22270	Trm1.2-like protein
13424433	4.76	4.73	1.02	0.944712	0.967041	AT3G05100	S-adenosylmethionine-dependent methyltransferase domain-containing protein
13521438	4.76	4.79	-1.02	0.279152	0.553698	AT5G03180	RING/U-box domain-containing protein
13449259	4.76	4.83	-1.05	0.685204	0.791672	CAX9	cation/calcium exchanger 3
13446671	4.76	4.84	-1.06	0.912933	0.947232	AT3G09032	hypothetical protein
13507735	4.76	4.85	-1.06	0.751031	0.836877	AT5G37350	Serine/threonine-protein kinase Rio1
13545623	4.76	4.89	-1.1	0.801603	0.872104	AT4G18720; AT5G42325; BIN2	Transcription factor IIS protein; Shaggy-related protein kinase eta
13457683	4.76	4.95	-1.14	0.753885	0.838978	AT3G49140	pentatricopeptide repeat-containing protein
13411203	4.76	4.98	-1.16	0.161285	0.483331	AT2G21090	pentatricopeptide repeat-containing protein
13426229	4.76	4.97	-1.16	0.812361	0.880035	AT3G09863	hypothetical protein
13387303	4.76	5.04	-1.21	0.540546	0.692652	BS1	transcription factor bHLH135
13523059	4.76	5.03	-1.21	0.305276	0.565001		
13389121	4.76	5.08	-1.26	0.115432	0.446371	LSH7	hypothetical protein
13540478	4.76	5.2	-1.35	0.494868	0.66159	AIL5	AP2-like ethylene-responsive transcription factor AIL5
13503355	4.76	5.22	-1.38	0.72747	0.821284	AT5G19190	hypothetical protein
13336150	4.76	5.37	-1.52	0.182685	0.497479	5PTASE13	Type I inositol-1,4,5-trisphosphate 5-phosphatase 13
13477262	4.76	5.67	-1.87	0.207923	0.513672	ABF3	abscisic acid-insensitive 5-like protein 6
13494653	4.76	6.08	-2.5	0.032519	0.353134	sks15	protein SKU5 similar 15
13489426	4.76	6.27	-2.86	0.013854	0.310787	NUDT10	nudix hydrolase 10
13391767	4.75	3.68	2.09	0.283972	0.556068	CYP705A6	cytochrome P450, family 705, subfamily A, polypeptide 6
13360606	4.75	3.95	1.75	0.069738	0.406403	UGT85A4	UDP-glucosyl transferase 85A4
13492201	4.75	4.04	1.64	0.218786	0.520921	AT4G31890	armadillo/beta-catenin-like repeat-containing protein
13485191	4.75	4.12	1.55	0.020933	0.324125	AT4G16070	lipase class 3 family protein

13530568	4.75	4.12	1.54	0.160676	0.483101	AT5G24750	sterol glucosyltransferase-like protein
13370545	4.75	4.13	1.53	0.000348	0.181987	AT1G20650	protein kinase-like protein
13519397	4.75	4.15	1.51	0.11153	0.443023	ABR1	ethylene-responsive transcription factor ABR1
13510378	4.75	4.16	1.5	0.219622	0.521561	AT5G44230	pentatricopeptide repeat-containing protein
13358868	4.75	4.25	1.41	0.214969	0.519459	AT1G73790	mitotic-spindle organizing protein 1A
13398628	4.75	4.34	1.32	0.216472	0.519792	AtIPCS3	inositol phosphorylceramide synthase 3
13539397	4.75	4.37	1.31	0.177009	0.4933	BGLU41	putative beta-glucosidase 41
13528185	4.75	4.38	1.29	0.171604	0.489355	RANGAP2	RAN GTPase-activating protein 2
13447905	4.75	4.47	1.21	0.449348	0.635232	AT3G11620	esterase/lipase domain-containing protein
13397356	4.75	4.48	1.2	0.118008	0.448003	AT2G26270; CID7	hypothetical protein; CTC-interacting domain 7 protein
13453682	4.75	4.51	1.18	0.102878	0.435908	SK15	S-phase kinase-associated protein 1
13496577	4.75	4.54	1.15	0.719264	0.815725	AT5G02440	hypothetical protein
13456623	4.75	4.56	1.14	0.600148	0.732328	AT3G46070	C2H2-type zinc finger protein
13336534	4.75	4.59	1.11	0.569187	0.711889	AT1G06380	Ribosomal protein .1/L10e family
13353032	4.75	4.59	1.11	0.662396	0.775984		
13353034	4.75	4.59	1.11	0.662396	0.775984		
13423063	4.75	4.6	1.1	0.354676	0.584383	AT3G01890	SWI/SNF-related matrix-associated actin-dependent regulator of
13365122	4.75	4.65	1.07	0.704567	0.805513	AT1G08220	hypothetical protein
13420527	4.75	4.65	1.07	0.664155	0.776963	AT2G42770	peroxisomal membrane-22-like protein
13482727	4.75	4.67	1.06	0.567983	0.711172	AT4G10130	DNAJ heat shock N-terminal domain-containing protein
13534796	4.75	4.72	1.02	0.910723	0.946004	AT5G43020	Leucine-rich repeat protein kinase family protein
13439846	4.75	4.94	-1.15	0.45658	0.639006	AT3G55605	Mitochondrial glycoprotein family protein
13453326	4.75	4.97	-1.16	0.212212	0.517372	MSH7	DNA mismatch repair protein Msh6-2
13377145	4.75	4.99	-1.18	0.400797	0.606291	AT1G48670	auxin-responsive GH3 family protein
13414490	4.75	5.01	-1.2	0.068894	0.406403	PUM1	pumilio 1
13545713	4.75	5.04	-1.22	0.617012	0.744765	AT1G72270	hypothetical protein
13404058	4.75	5.06	-1.24	0.177685	0.49354	AT2G42270	U5 small nuclear ribonucleoprotein helicase
13353679	4.75	5.16	-1.33	0.107809	0.439775	AT1G59970	matrix metalloprotease domain-containing protein
13511758	4.75	5.19	-1.35	0.05345	0.383859	AT5G47530	putative auxin-responsive protein
13424892	4.75	5.44	-1.61	0.23069	0.527788	AT3G06020	hypothetical protein
13422604	4.75	5.56	-1.76	0.476518	0.650165	SWA1	transducin family protein / WD-40 repeat family protein
13474509	4.75	5.63	-1.85	0.077185	0.412413	AT4G28040; TET7	nodulin MtN21 /EamA-like transporter family protein; tetraspanin7
13375862	4.75	5.69	-1.92	0.187211	0.501665	AT1G36622	hypothetical protein
13494377	4.75	5.7	-1.93	0.044778	0.374597	AT4G36610	hydrolase, alpha/beta fold family protein
13397876	4.75	6.67	-3.78	0.000965	0.238633	ATC	protein centroradialis
13442715	4.75	7.45	-6.49	0.004455	0.262292	PRP3	proline-rich protein 3
13355099	4.74	3.38	2.57	0.136294	0.465036	AT1G64490	DEK, chromatin associated protein
13340705	4.74	3.7	2.06	0.027608	0.343339	WAKL4	wall associated kinase-like 4
13531930	4.74	3.87	1.83	0.131784	0.46184	AT5G29000	myb family transcription factor
13356502	4.74	3.98	1.69	0.067682	0.405735	WRKY9	putative WRKY transcription factor 9
13545479	4.74	4.03	1.63	0.382193	0.596998		
13339910	4.74	4.12	1.54	0.53529	0.689322	FUT7	fucosyltransferase 7

13517250	4.74	4.22	1.44	0.05551	0.387951	AT5G59940	cysteine/histidine-rich C1 domain-containing protein
13472155	4.74	4.25	1.41	0.240324	0.533209	AT4G22810	putative AT-hook DNA-binding family protein
13473934	4.74	4.27	1.39	0.081706	0.416797	AT4G26670	Tim17/Tim22/Tim23 pre-protein translocase of the mitochondrial outer membrane domain-containing protein
13471189	4.74	4.34	1.33	0.186944	0.50131	AT4G20350	oxidoreductase
13361838	4.74	4.37	1.29	0.165048	0.485944	AT1G01070	nodulin MtN21 /EamA-like transporter family protein
13456958	4.74	4.4	1.27	0.091556	0.428831	PHT4;3	putative anion transporter 4
13531820	4.74	4.45	1.22	0.566339	0.710656	BIP1	Luminal-binding protein 1
13459685	4.74	4.48	1.19	0.354957	0.584465	AT3G53940	Mitochondrial substrate carrier family protein
13363803	4.74	4.53	1.16	0.458359	0.640086	SDE3; AT1G05450	putative RNA helicase SDE3; bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13335185	4.74	4.56	1.14	0.016687	0.316275	FZL	FZO-like protein
13513156	4.74	4.57	1.13	0.16814	0.487067	AT5G50610; AT5G50710	hypothetical protein
13513203	4.74	4.57	1.13	0.16814	0.487067	AT5G50610; AT5G50710	hypothetical protein
13491501	4.74	4.73	1.01	0.97521	0.985277	XTH18	xyloglucan:xyloglucosyl transferase
13509951	4.74	4.77	-1.02	0.848648	0.904704	AT5G43160; ZF3	hypothetical protein; zinc-finger protein 3
13427643	4.74	4.81	-1.04	0.897105	0.936658	AT3G13433	hypothetical protein
13464286	4.74	4.9	-1.12	0.505197	0.668653	AT4G01150	hypothetical protein
13413806	4.74	4.94	-1.15	0.356669	0.584728	ATCOAE	dephospho-CoA kinase
13363723	4.74	5.01	-1.21	0.294205	0.560481	ZIP5	zinc transporter 5
13530156	4.74	5.09	-1.28	0.295749	0.561217	SIGE	RNA polymerase sigma factor
13418578	4.74	5.24	-1.42	0.041065	0.366381	AT2G38480	hypothetical protein
13535055	4.74	5.36	-1.54	0.332922	0.576298	AT5G43745	hypothetical protein
13356293	4.74	5.45	-1.63	0.118827	0.449311	AT1G67750	putative pectate lyase 5
13425030	4.74	6.16	-2.69	0.13132	0.461234	AT3G06460	GNS1/SUR4 membrane-like protein
13490632	4.74	6.18	-2.72	0.533263	0.687982	AT4G28005	hypothetical protein
13410951	4.74	6.31	-2.97	0.140582	0.46711	AT2G20562	hypothetical protein
13354774	4.74	7.46	-6.57	0.018589	0.321499	AT1G63600	cysteine-rich repeat secretory protein 4
13517395	4.73	3.56	2.25	0.130293	0.460266	AT5G60270	concanavalin A-like lectin kinase-like protein
13336567	4.73	3.78	1.94	0.012661	0.302846	AT1G06450	putative CCR4-associated factor 1-1
13481794	4.73	3.79	1.91	0.117546	0.447676	AT4G04950	monothiol glutaredoxin-S17
13511874	4.73	3.89	1.78	0.128692	0.458836	AT5G47790	SMAD/FHA domain-containing protein
13400417	4.73	3.96	1.7	0.00167	0.250556	SPL3	squamosa promoter-binding-like protein 3
13483551	4.73	3.98	1.68	0.123762	0.453788	AT4G12340	copper ion binding protein
13403159	4.73	4.04	1.61	0.132778	0.462428	LEW3	alpha-1,2-mannosyltransferase
13398112	4.73	4.09	1.56	0.027938	0.344388	ACA2	carbonic anhydrase
13405062	4.73	4.21	1.44	0.378334	0.594453	TPK2	thiamin pyrophosphokinase 2
13471162	4.73	4.26	1.39	0.072226	0.408352	AT4G20325	ribonuclease H2 subunit B
13359693	4.73	4.27	1.37	0.009634	0.296261	AMY2	alpha-amylase-like 2
13447218	4.73	4.46	1.21	0.122765	0.45286	DFC	DHFS-FPGS homolog C
13354664	4.73	4.46	1.2	0.157789	0.480312	AT1G63300	Myosin heavy chain-related protein
13372570	4.73	4.53	1.16	0.817954	0.88355	AT1G26240	Proline-rich extensin-like family protein

13373751	4.73	4.54	1.14	0.554006	0.702255	AT1G29700	metallo-beta-lactamase domain-containing protein
13446884	4.73	4.54	1.14	0.604078	0.735145	AT3G09405	Pectin lyase-like protein
13514235	4.73	4.58	1.11	0.597529	0.731118	AT5G53020	Ribonuclease P protein subunit P38-like protein
13425963	4.73	4.62	1.08	0.938999	0.963392	AT3G09020	lactosylceramide 4-alpha-galactosyltransferase
13362565	4.73	4.65	1.06	0.838298	0.898023	GSTF4	glutathione S-transferase
13430522	4.73	4.69	1.03	0.660373	0.775076	AT3G19360	zinc finger CCCH domain-containing protein 39
13361596	4.73	4.86	-1.1	0.507498	0.670665	AT1G80640	protein kinase domain-containing protein
13393642	4.73	4.93	-1.15	0.269986	0.548178	AT2G17240	hypothetical protein
13536334	4.73	4.95	-1.17	0.639685	0.760106	PYL1	abscisic acid receptor PYL1
13445616	4.73	4.98	-1.19	0.361577	0.5879	AT3G06570	F-box/kelch-repeat protein
13391777	4.73	5.09	-1.29	0.110176	0.441206	AtPOT1a	OB-fold nucleic acid binding domain-containing protein
13358783	4.73	5.17	-1.35	0.49186	0.659668	AT1G73620	pathogenesis-related thaumatin-like protein
13414863	4.73	5.56	-1.77	0.137846	0.46568	LBD13	LOB domain-containing protein 13
13347206	4.73	5.81	-2.11	0.367337	0.590549	AT1G32760	glutaredoxin-like protein
13488849	4.73	5.9	-2.26	0.395964	0.603843	AT4G24265	hypothetical protein
13441708	4.73	6.5	-3.41	0.100427	0.434607	HA7; AT3G60328	H(+)-ATPase 7; hypothetical protein
13516749	4.72	3.21	2.84	0.126231	0.455497		
13422213	4.72	3.38	2.53	0.075676	0.410503	AT2G46940	hypothetical protein
13417619	4.72	3.6	2.17	0.056149	0.388747	AT2G36460	fructose-bisphosphate aldolase, class I
13399730	4.72	3.65	2.11	0.003074	0.253459	ZIP3	zinc transporter 3
13360864	4.72	3.7	2.02	0.056287	0.389049	AT1G78910; AT1G78915	RNA pseudourine synthase 3; tetratricopeptide repeat-containing protein
13384524	4.72	3.79	1.89	0.000748	0.214003	emb1688	Minichromosome maintenance (MCM2/3/5) protein
13533803	4.72	4.04	1.6	0.347482	0.58045	AT5G40270	metal-dependent phosphohydrolase HD domain-containing protein
13360962	4.72	4.06	1.58	0.370875	0.591914	MYB63	myb domain protein 63
13354003	4.72	4.08	1.55	0.012788	0.304248	BRD4	bromodomain 4
13472742	4.72	4.09	1.55	0.2281	0.526027	AT4G24090	hypothetical protein
13541365	4.72	4.1	1.54	0.095831	0.431773	AT5G59460	M-phase phosphoprotein 6, animal type
13383188	4.72	4.12	1.52	0.018392	0.321469	DSS1(I); TUA1	26 proteasome complex subunit DSS1; tubulin alpha-1 chain
13465910	4.72	4.12	1.52	0.101667	0.435397	AT4G05090	putative PAP-specific phosphatase
13351918	4.72	4.15	1.48	0.111828	0.443131	ASIL1	6B-interacting protein 1-like 1
13374480	4.72	4.18	1.45	0.314914	0.568201	AT1G31410	putrescine-binding periplasmic protein-like protein
13439428	4.72	4.31	1.34	0.465117	0.644046	AT3G54690	sugar isomerase domain-containing protein
13406010	4.72	4.31	1.32	0.061881	0.398248	AT2G46910	putative plastid-lipid-associated protein 10
13474700	4.72	4.34	1.31	0.030468	0.350098	HAE	receptor-like protein kinase 5
13348050	4.72	4.46	1.19	0.595187	0.730084	AT1G35460	transcription factor bHLH80
13450742	4.72	4.53	1.14	0.62172	0.747922	HAL3A	phosphopantothenoylcysteine decarboxylase
13447540	4.72	4.56	1.12	0.306982	0.565657	AT3G10720	pectinesterase 25
13447698	4.72	4.66	1.04	0.225833	0.524988	AT3G11100	sequence-specific DNA binding transcription factor

13340416	4.72	4.69	1.02	0.954448	0.972758	AT1G15540	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase-like protein
13441822	4.72	4.68	1.02	0.835399	0.895959	AT3G60590	hypothetical protein
13388653	4.72	4.71	1.01	0.945572	0.967349	AT1G77600	sister chromatid cohesion protein PDS5
13399525	4.72	4.76	-1.03	0.955435	0.97359	AT2G31945	hypothetical protein
13467700	4.72	4.78	-1.04	0.865376	0.916044	BAT5	bile acid transporter 5
13458498	4.72	4.8	-1.06	0.813785	0.880909	PLP3a	phosducin-like protein 3 homolog
13457913	4.72	4.84	-1.08	0.350465	0.582019	AT3G49601	hypothetical protein
13442853	4.72	4.87	-1.11	0.107177	0.43939	RANGAP1	RAN GTPase-activating protein 1
13477603	4.72	5	-1.21	0.707708	0.807812	COW1	Sec14p-like phosphatidylinositol transfer family protein
13414235	4.72	5.07	-1.28	0.450654	0.635828	AT2G28620	P-loop containing nucleoside triphosphate hydrolase-like protein
13460899	4.72	5.07	-1.28	0.422916	0.618789	AT3G56790	RNA splicing factor-related protein
13508267	4.72	5.15	-1.35	0.401996	0.606957	AT5G39000	putative receptor-like protein kinase
13545693	4.72	5.35	-1.54	0.129942	0.459897		
13545705	4.72	5.35	-1.54	0.129942	0.459897		
13354436	4.72	5.4	-1.6	0.13763	0.46568	AT1G62620; AT1G62610	flavin-containing monooxygenase-like protein; Rossmann-fold NAD(P)-binding domain-containing protein
13486584	4.72	5.43	-1.65	0.176669	0.49304	AT4G18670	leucine-rich repeat extensin-like protein 5
13496706	4.72	6.27	-2.92	0.068991	0.406403	GSTL1	glutathione transferase lambda 1
13472017	4.72	8	-9.74	0.028883	0.347517	AT4G22214	defensin-like protein 99
13454060	4.71	1.77	7.64	0.00272	0.253459		
13403371	4.71	1.83	7.31	0.018707	0.321499	RR16	two-component response regulator ARR16
13455217	4.71	3.18	2.87	0.039258	0.364658	AT3G29635	HXXXD-type acyl-transferase-like protein
13412102	4.71	3.37	2.54	0.070199	0.406528	AT2G23755; AT2G23740	hypothetical protein; zinc binding motif and SET domain-containing protein
13354612	4.71	3.8	1.87	0.006989	0.285781	AT1G63130	pentatricopeptide repeat-containing protein
13535199	4.71	3.9	1.76	0.184657	0.499237	AT5G44005	hypothetical protein
13459639	4.71	4.01	1.64	0.199045	0.508467	AT3G53850	hypothetical protein
13518770	4.71	4.18	1.45	0.134919	0.463465	AT5G63480	hypothetical protein
13342738	4.71	4.3	1.33	0.559582	0.70573	AT1G20810	peptidylprolyl isomerase
13420624	4.71	4.31	1.32	0.163608	0.485314	AT2G42980	aspartyl protease-like protein
13539094	4.71	4.44	1.21	0.249157	0.536784	AT5G53580	aldo/keto reductase family protein
13533933	4.71	4.51	1.15	0.06852	0.406403	AT5G40600; AT5G40595	hypothetical protein
13354080	4.71	4.56	1.11	0.702855	0.804296	AT1G61350	armadillo/beta-catenin-like repeat-containing protein
13505440	4.71	4.56	1.11	0.472333	0.64795	AT5G24830	pentatricopeptide repeat-containing protein
13372807	4.71	4.61	1.07	0.023165	0.330182	AT1G27070	5'-AMP-activated protein kinase-like protein
13479098	4.71	4.72	-1.01	0.965035	0.979392	AT4G38330	Integral membrane protein hemolysin-III-like protein
13379699	4.71	4.83	-1.08	0.859195	0.91217	IDD7	indeterminate(ID)-domain 7 protein
13455718	4.71	4.85	-1.1	0.475441	0.649535	AT3G43270	pectinesterase 32
13358254	4.71	4.96	-1.19	0.606472	0.736948	AT1G72250	Di-glucose binding protein with Kinesin motor domain
13412428	4.71	5.01	-1.23	0.208758	0.514214	AT2G24600	ankyrin repeat-containing protein
13520514	4.71	5.23	-1.43	0.337374	0.577005	AT5G67340	U-box domain-containing protein 2
13483892	4.71	6	-2.45	0.031584	0.352537	NYC1	chlorophyll(ide) b reductase

13449011	4.7	3.69	2.01	0.053802	0.3842	FUS9	constitutive photomorphogenesis protein 10
13538490	4.7	3.81	1.86	0.046611	0.377465	AT5G51920	catalytic/ pyridoxal phosphate binding protein
13498055	4.7	3.84	1.81	0.058983	0.394644	AT5G05640	nucleoprotein-like protein
13354294	4.7	3.86	1.8	0.313395	0.568008	ATG8C	autophagy-related protein 8c
13405800	4.7	3.89	1.75	0.10713	0.439338	CNGC3	cyclic nucleotide gated channel
13511480	4.7	3.91	1.74	0.156862	0.479551	AT5G46920	Intron maturase, type II family protein
13409704	4.7	3.9	1.73	0.194035	0.505856	AT2G17540	hypothetical protein
13479632	4.7	3.93	1.71	0.238393	0.532151	GGT1	gamma-glutamyl transpeptidase 1
13441859	4.7	3.98	1.65	0.147932	0.471913	AT3G60647	hypothetical protein
13455143	4.7	4.2	1.41	0.190884	0.504162	AT3G29330	hypothetical protein
13372958	4.7	4.23	1.38	0.073695	0.410046	AT1G27500	tetratricopeptide repeat domain-containing protein
13536925	4.7	4.27	1.35	0.122033	0.452662	AT5G48370	thioesterase family protein
13488817	4.7	4.33	1.3	0.305451	0.565001	ACBP3; VEP1	acyl-CoA-binding domain 3; WcaG domain-containing protein
13428612	4.7	4.4	1.23	0.384852	0.598	EXPA12	expansin-A12
13409748	4.7	4.49	1.16	0.46217	0.642726	AT2G17695	hypothetical protein
13478481	4.7	4.5	1.15	0.269284	0.547787	AT4G36750	Quinone reductase family protein
13490367	4.7	4.5	1.15	0.460371	0.641547	RD26	NAC domain-containing protein 72
13371311	4.7	4.52	1.13	0.64122	0.760813	AT1G22520	hypothetical protein
13543953	4.7	4.54	1.12	0.755886	0.840256	AT5G65860	ankyrin repeat family protein
13473463	4.7	4.55	1.11	0.819439	0.884451	AT4G25610	C2H2-like zinc finger protein
13407824	4.7	4.56	1.1	0.761874	0.843926	AT2G04650	ADP-glucose pyrophosphorylase-like protein
13535787	4.7	4.55	1.1	0.735999	0.827286	AT5G45350	proline-rich family protein
13528028	4.7	4.6	1.08	0.571368	0.713536	AT5G18760	RING/U-box domain-containing protein
13434564	4.7	4.61	1.07	0.779027	0.856165	AT3G29270	RING/U-box domain-containing protein
13359767	4.7	4.61	1.06	0.85525	0.909199	AT1G76350	RWP-RK domain-containing protein
13443468	4.7	4.63	1.05	0.820846	0.885473	AT3G01930	major facilitator protein
13460329	4.7	4.67	1.02	0.929072	0.956909	AT3G55170	60S ribosomal protein L35-3
13434059	4.7	4.69	1.01	0.962677	0.977985	AT3G27750	hypothetical protein
13410128	4.7	4.72	-1.02	0.921764	0.95266	AT2G18600	ubiquitin-conjugating enzyme E2 M
13367669	4.7	4.74	-1.03	0.945076	0.967129	AT1G13970	hypothetical protein
13495839	4.7	4.81	-1.08	0.474841	0.649148	AT4G39780	ethylene-responsive transcription factor ERF060
13460894	4.7	4.82	-1.09	0.787551	0.862342	AT3G56770	putative transcription factor bHLH107
13494559	4.7	4.84	-1.1	0.456613	0.639022	AT4G36945	phospholipase C/ phosphoric diester hydrolase
13467195	4.7	4.94	-1.17	0.609175	0.739114	AT4G10750	Phosphoenolpyruvate carboxylase family protein
13452289	4.7	4.95	-1.18	0.602938	0.734165	AT3G21530; DMP1	endonuclease/exonuclease/phosphatase domain-containing protein; DUF679 domain membrane protein 1
13450185	4.7	5.05	-1.28	0.148798	0.471967	AT3G16510	Calcium-dependent lipid-binding domain-containing protein
13510880	4.7	5.09	-1.3	0.011939	0.301412	RPA70C	replication factor-A protein 1-like protein
13543940	4.7	5.09	-1.31	0.16535	0.485944	RLP57	receptor like protein 57
13472169	4.7	5.17	-1.38	0.020131	0.322692	AT4G22860	Cell cycle regulated microtubule associated protein

13463951	4.7	5.45	-1.69	0.02673	0.339318	CYP86A2	cytochrome P450 86A2
13486601	4.7	5.51	-1.76	0.090393	0.427332	RLP51	receptor like protein 51
13477196	4.7	5.6	-1.86	0.326788	0.574028	AT4G33730	putative pathogenesis-related protein
13425411	4.7	5.7	-2	0.031404	0.351992	AT3G07350	hypothetical protein
13381711	4.7	5.94	-2.37	0.010899	0.297771	AT1G61000	kinetochore protein Nuf2
13358205	4.7	6.65	-3.87	0.026513	0.338772	AT1G72140	putative peptide/nitrate transporter
13426826	4.7	7.54	-7.15	0.230723	0.527788		
13544666	4.69	3.82	1.83	0.032194	0.352847	AT5G67290	FAD-dependent oxidoreductase-like protein
13539841	4.69	3.81	1.83	0.247711	0.536315	AT5G55710	hypothetical protein
13409356	4.69	3.83	1.82	0.225739	0.524988	ASE1	amidophosphoribosyltransferase
13513149	4.69	3.83	1.82	0.063704	0.399837	HSD4; HSD7	hydroxysteroid dehydrogenase 4; hydroxysteroid dehydrogenase 7
13513196	4.69	3.83	1.82	0.063704	0.399837	HSD4; HSD7	hydroxysteroid dehydrogenase 4; hydroxysteroid dehydrogenase 7
13501625	4.69	4.08	1.52	0.278137	0.552851	SAG101	senescence-associated protein 101
13480757	4.69	4.18	1.42	0.010438	0.296271	AT4G01920	cysteine/histidine-rich C1 domain-containing protein
13502722	4.69	4.18	1.42	0.173432	0.49082	AT5G17570	TatD related DNase
13364054	4.69	4.2	1.4	0.019566	0.322448	AT1G05970	RNA recognition motif-containing protein
13436391	4.69	4.25	1.36	0.225782	0.524988	PHS1	cytidine/deoxycytidylate deaminase-like protein
13512434	4.69	4.37	1.24	0.373392	0.592466	AT5G49000	F-box/kelch-repeat protein
13451150	4.69	4.48	1.16	0.1575	0.479979	AT3G19120	PIF / Ping-Pong family of plant transposase
13484617	4.69	4.49	1.15	0.735804	0.827197	CFM3B	CRM family member 3B
13389895	4.69	4.54	1.11	0.239341	0.532501	AT1G80030	molecular chaperone Hsp40/DnaJ-like protein
13404074	4.69	4.53	1.11	0.370578	0.591914	AT2G42320	nucleolar protein gar2-like protein
13367718	4.69	4.55	1.1	0.83379	0.894712	AT1G14140	Mitochondrial substrate carrier family protein
13497670	4.69	4.56	1.1	0.208966	0.51438	NOL	chlorophyll(ide) b reductase NOL
13366467	4.69	4.56	1.09	0.592092	0.728029	RECQ4A	ATP-dependent DNA helicase Q-like 4A
13382220	4.69	4.59	1.07	0.785451	0.86071	AT1G62250	hypothetical protein
13393244	4.69	4.6	1.06	0.769237	0.849476	AT2G15630	pentatricopeptide repeat-containing protein
13522794	4.69	4.6	1.06	0.102639	0.435908	AT5G06670	kinesin heavy chain-like protein
13545585	4.69	4.66	1.02	0.86453	0.915454	STN8; AT5G01930	protein kinase family protein; mannan endo-1,4-beta-mannosidase 6
13508521	4.69	4.71	-1.02	0.937612	0.962324	AT5G39940	FAD/NAD(P)-binding oxidoreductase family protein
13338922	4.69	4.73	-1.03	0.834491	0.895254	AT1G11700	hypothetical protein
13467776	4.69	4.76	-1.06	0.879958	0.926533	MYB42	myb domain protein 42
13413567	4.69	4.83	-1.1	0.734416	0.826059	CYP705A8	cytochrome P450, family 705, subfamily A, polypeptide 8
13457805	4.69	4.83	-1.11	0.810726	0.878797	AT3G49370	Calcium-dependent protein kinase-like protein
13367749	4.69	5.04	-1.27	0.536872	0.690339	AT1G14220	ribonuclease T2
13440433	4.69	5.04	-1.27	0.513981	0.674837		
13418435	4.69	5.11	-1.33	0.241742	0.53362	GPAT6	glycerol-3-phosphate acyltransferase 6
13499016	4.69	5.26	-1.48	0.508731	0.671456	AT5G07900	Mitochondrial transcription termination factor family protein
13444574	4.69	5.29	-1.52	0.299317	0.562613	THA2	threonine aldolase 2

13534215	4.69	5.39	-1.63	0.170169	0.48812	AT5G41400	RING/U-box domain-containing protein
13411857	4.69	5.77	-2.11	0.000914	0.234355	AT2G23060	acyl-CoA N-acyltransferases-like protein
13391664	4.69	5.96	-2.41	0.040481	0.365846	AT2G04680	cysteine/histidine-rich C1 domain-containing protein
13485055	4.69	6.41	-3.29	0.023404	0.330182	IAGLU; AT4G15545	indole-3-acetate beta-D-glucosyltransferase; hypothetical protein
13545729	4.69	6.85	-4.45	0.136499	0.465256	AT2G35840; AT2G35850	putative sucrose-phosphatase 2; hypothetical protein
13406211	4.69	6.92	-4.69	0.018652	0.321499	CP12-1	CP12 domain-containing protein 1
13467457	4.69	8.7	-16.06	0.04045	0.365846	AT4G11430	hydroxyproline-rich glycoprotein family protein
13509127	4.68	3.45	2.34	0.345886	0.58045	AT5G41300	cysteine-rich repeat secretory protein 59
13493213	4.68	3.76	1.88	0.097684	0.433275	AT4G33810	glycosyl hydrolase family 10 protein
13355270	4.68	3.83	1.8	0.03244	0.353134	AT1G64840	hypothetical protein
13382173	4.68	4.01	1.59	0.139123	0.466075	AT1G62130	AAA-type ATPase-like protein
13501833	4.68	4.02	1.58	0.255307	0.540321	EDL1	EID1-like F-box protein 1
13385123	4.68	4.03	1.57	0.201369	0.510189		
13395878	4.68	4.03	1.57	0.19203	0.50525	AT2G22425	putative signal peptidase complex subunit 1
13361769	4.68	4.04	1.56	0.084706	0.418724	AT1G80960	F-box protein
13411555	4.68	4.13	1.47	0.232554	0.528512	UBA1A	UBP1 interacting protein 1a
13523644	4.68	4.16	1.43	0.251029	0.538159	AT5G08650	GTP-binding protein LepA
13542709	4.68	4.36	1.25	0.340877	0.578363	HCA2	Dof zinc finger protein DOF5.6
13452754	4.68	4.37	1.24	0.443695	0.631675	ARFC1	ADP-ribosylation factor C1
13464709	4.68	4.45	1.18	0.480269	0.65217	MSH6	DNA mismatch repair protein Msh6-1
13388923	4.68	4.48	1.15	0.351065	0.582148	AT1G78310	VQ motif-containing protein
13507690	4.68	4.52	1.12	0.570806	0.713054	SUS5	sucrose synthase 5
13357107	4.68	4.53	1.11	0.232765	0.528669	AT1G69680	Mog1/PsbP/DUF1795-like photosystem II reaction center PsbP-like protein
13451016	4.68	4.69	-1.01	0.984695	0.99118	WNK6	putative serine/threonine-protein kinase WNK6
13473856	4.68	4.73	-1.04	0.899529	0.938148	AT4G26490	late embryogenesis abundant (LEA) hydroxyproline-rich glycoprotein family member
13428071	4.68	4.75	-1.05	0.821179	0.885593	AT3G14390	diaminopimelate decarboxylase 1
13387919	4.68	4.77	-1.06	0.877449	0.924647	AT1G76020	Thioredoxin superfamily protein
13501610	4.68	4.78	-1.07	0.342742	0.579024	AT5G14910	heavy metal transport/detoxification domain-containing protein
13441588	4.68	4.8	-1.08	0.647404	0.765355	AT3G60110	DNA-binding bromodomain-containing protein
13516761	4.68	4.8	-1.08	0.684079	0.790884	AT5G58540	protein kinase-like protein
13371901	4.68	4.81	-1.1	0.736608	0.827623	AT1G24040; AT1G24030	acyl-CoA N-acyltransferases-like protein; protein kinase-like protein
13487961	4.68	4.84	-1.12	0.549329	0.699051	AT4G22285	ubiquitin carboxyl-terminal hydrolase-like protein
13541948	4.68	4.84	-1.12	0.39003	0.599985	AT5G61040	hypothetical protein
13394387	4.68	4.88	-1.15	0.343485	0.579057	AT2G18890	protein kinase-like protein
13519183	4.68	4.9	-1.16	0.467828	0.645394	AT5G64380	fructose-1,6-bisphosphatase II
13348676	4.68	4.98	-1.23	0.697236	0.800655	AT1G43720	hypothetical protein
13419243	4.68	4.98	-1.23	0.780156	0.857002	AT2G39980; AT2G39975	HXXXD-type acyl-transferase-like protein; hypothetical protein

13529850	4.68	5.09	-1.32	0.427955	0.622032	AT5G23411	hypothetical protein
13452949	4.68	5.13	-1.37	0.077415	0.412497	AT3G23700	ribosomal protein S1-like RNA-binding domain-containing protein
13481545	4.68	5.37	-1.62	0.021584	0.325381	AT4G04078	hypothetical protein
13455827	4.68	5.88	-2.3	0.024111	0.332187	AT3G43720	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13351824	4.68	6.31	-3.09	0.007158	0.287967	PME2	pectinesterase 2
13533961	4.67	3.07	3.03	0.012058	0.301412	AT5G40645; AT5G40640	RPM1-interacting protein 4 (RIN4); hypothetical protein
13450828	4.67	3.25	2.68	0.053874	0.3842	AT3G18320	F-box and associated interaction domain-containing protein
13366886	4.67	3.51	2.24	0.071888	0.408234	AT1G11950	Transcription factor jumonji (jmjC) domain-containing protein
13423306	4.67	3.61	2.09	0.076233	0.410503	AT3G02370	hypothetical protein
13362800	4.67	3.64	2.04	0.124106	0.453788	AT1G03520	core-2/I-branching beta-1,6-N-acetylglucosaminyltransferase-like protein
13403480	4.67	3.71	1.94	0.15812	0.4806	AT2G40935	PLAC8 domain-containing protein
13380164	4.67	3.72	1.93	0.009137	0.296261	NAC1; AT1G56000	NAC domain-containing protein 21/22; FAD/NAD(P)-binding oxidoreductase domain-containing protein
13468361	4.67	3.88	1.73	0.469045	0.646169	AT4G14103; AT4G14104	F-box/LRR-repeat protein; hypothetical protein
13393834	4.67	4.01	1.59	0.014608	0.313095	AT2G17570	dehydrodolichyl diphosphate synthase 6
13500341	4.67	3.99	1.59	0.114126	0.445268	AT5G11450	PsbP domain-containing protein 5
13479190	4.67	4.12	1.46	0.034294	0.355201	AT4G38480	transducin/WD40 domain-containing protein
13345976	4.67	4.14	1.45	0.516356	0.676182	AT1G29800	RING/FYVE/PHD zinc finger-containing protein
13522300	4.67	4.25	1.34	0.351636	0.582655	AT5G05370; AT5G05365; HPR	Cytochrome b-c1 complex, subunit 8 protein; metal ion binding protein; hydroxypyruvate reductase
13451081	4.67	4.25	1.33	0.502501	0.666827	AT3G18940	proteasome assembly chaperone 2
13494291	4.67	4.26	1.33	0.22936	0.526986	AT4G36390	Methylthiotransferase
13366491	4.67	4.27	1.32	0.217362	0.520618	AT1G10940	serine/threonine-protein kinase SRK2A
13406957	4.67	4.31	1.28	0.333263	0.576298	AT2G01740	pentatricopeptide repeat-containing protein
13487171	4.67	4.39	1.22	0.064136	0.400648	AT4G20210	terpene cyclase, C1 domain-containing protein
13510719	4.67	4.39	1.21	0.111959	0.443229	AT5G45030	trypsin-like protein
13366823	4.67	4.54	1.1	0.571794	0.714005	AT1G11820	O-Glycosyl hydrolases family 17 protein
13417067	4.67	4.59	1.06	0.799896	0.871154	KUP11	Potassium transporter 11
13433228	4.67	4.62	1.04	0.453756	0.637332	MAP1B	methionine aminopeptidase 1C
13520896	4.67	4.63	1.03	0.96772	0.981072	LECRKA4.3	Lectin-domain containing receptor kinase A4.3
13411245	4.67	4.79	-1.09	0.607876	0.737945	AT2G21180	hypothetical protein
13398560	4.67	4.91	-1.18	0.641352	0.760875	AT2G29320	tropine dehydrogenase
13514358	4.67	4.92	-1.19	0.303434	0.564135	AT5G53220	hypothetical protein
13423092	4.67	4.95	-1.22	0.38692	0.598595	AT3G02010	pentatricopeptide repeat-containing protein
13429889	4.67	4.97	-1.23	0.498789	0.664307	AT3G18050	hypothetical protein
13365244	4.67	5	-1.25	0.114467	0.445522	SYP111	syntaxin-related protein KNOLLE
13338718	4.67	5.07	-1.32	0.427443	0.621602	AT1G11180	secretory carrier-associated membrane protein 5

13403144	4.67	5.1	-1.34	0.129776	0.459766	TBL30	hypothetical protein
13494297	4.67	5.17	-1.41	0.135171	0.46393	AT4G36420	Ribosomal protein L12 family protein
13382502	4.67	5.26	-1.5	0.225445	0.524988	AT1G63010	Major Facilitator Superfamily with SPX domain-containing protein
13509777	4.67	5.28	-1.53	0.095084	0.431394	AT5G42720	Glycosyl hydrolase family 17 protein
13472617	4.67	5.29	-1.54	0.221856	0.523039	UGE2; AT3G28530	UDP-D-glucose/UDP-D-galactose 4-epimerase 2; UDP-glucose 4-epimerase
13524879	4.67	5.31	-1.56	0.209446	0.514798	AT5G11570	major facilitator protein
13396616	4.67	5.38	-1.64	0.006613	0.284323	AT2G24310	hypothetical protein
13423378	4.67	5.42	-1.68	0.452607	0.636679	AT3G02590	Delta(7)-sterol-C5(6)-desaturase
13344694	4.67	5.75	-2.1	0.035144	0.355472	BGLU40	beta glucosidase 40
13487642	4.67	6.84	-4.5	0.042774	0.369817	AT4G21650	Subtilase family protein
13433258	4.67	7.9	-9.43	0.010562	0.296805	AT3G25790	myb-like transcription factor family protein
13512325	4.66	3.35	2.49	0.073524	0.409814	AT5G48660	B-cell receptor-associated protein 31-like protein
13347455	4.66	3.73	1.9	0.130855	0.460628	AT1G33420	PHD finger protein
13444873	4.66	3.74	1.89	0.182607	0.497424	AT3G05160	sugar transporter ERD6-like 10
13424465	4.66	3.77	1.85	0.105297	0.43719	AT3G05155	sugar transporter ERD6-like 9
13465437	4.66	3.85	1.75	0.282589	0.555512		
13491347	4.66	3.89	1.71	0.13285	0.462497	AT4G29990	Leucine-rich repeat transmembrane protein kinase protein
13535604	4.66	3.9	1.69	0.0084	0.293015	AT5G45040; AT5G45030	cytochrome c6; trypsin-like protein
13460949	4.66	3.94	1.65	0.071609	0.408234	PSRP5	plastid-specific 50S ribosomal protein 5
13334401	4.66	4.05	1.53	0.020865	0.324125	AT1G01570	hypothetical protein
13449278	4.66	4.08	1.49	0.135959	0.465036	FLU	flourescent in blue light protein
13398470	4.66	4.17	1.41	0.428537	0.622395	RBL1	protein RHOMBOID-like 1
13441695	4.66	4.18	1.39	0.208782	0.514228	AT3G60310	hypothetical protein
13540397	4.66	4.2	1.38	0.039947	0.365591	AT5G57210	microtubule-associated protein-related protein
13440046	4.66	4.21	1.37	0.018038	0.319749	ESK1	hypothetical protein
13370462	4.66	4.26	1.32	0.467318	0.645127	AT1G20490	4-coumarate--CoA ligase-like 3
13475703	4.66	4.26	1.32	0.590371	0.72711	SDG4	histone-lysine N-methyltransferase ASHR3
13499471	4.66	4.34	1.25	0.187502	0.501922	AT5G08780	winged-helix DNA-binding transcription factor family protein
13447549	4.66	4.36	1.23	0.550392	0.699878	SUN2	SAD1/UNC-84 domain-containing protein 2
13357535	4.66	4.39	1.21	0.451347	0.63602	AT1G70650; MMZ2	zinc finger (Ran-binding) domain-containing protein; ubiquitin-conjugating enzyme E2 variant 1B
13403264	4.66	4.45	1.15	0.739817	0.829115	HEME2	Uroporphyrinogen decarboxylase 2
13433064	4.66	4.46	1.15	0.556238	0.703517	AT3G25400	hypothetical protein
13415431	4.66	4.47	1.14	0.14442	0.469521	ATNTH1	endonuclease III
13540511	4.66	4.61	1.04	0.827069	0.889997	GS1	haloacid dehalogenase-like hydrolase domain-containing protein
13421041	4.66	4.61	1.03	0.787585	0.862346	OEP37	chloroplast outer envelope protein 37
13386753	4.66	4.64	1.01	0.978983	0.987552	GER1	GDP-L-fucose synthase
13377233	4.66	4.69	-1.02	0.868971	0.918557	AT1G48860	putative 5-enolpyruvylshikimate-3-phosphate synthase
13426614	4.66	4.69	-1.03	0.858885	0.911917	AT3G10820	transcription elongation factor-like protein
13374457	4.66	4.79	-1.1	0.861433	0.91382	KUF1	F-box/kelch-repeat protein SKIP25

13385547	4.66	4.8	-1.1	0.429186	0.622763	SHW1	short hypocotyl in white light1 protein
13385317	4.66	4.88	-1.16	0.53157	0.687186	AT1G69330	RING/U-box domain-containing protein
13395122	4.66	4.89	-1.17	0.237836	0.531954	AT2G20635	catalytic domain of protein kinase and Mad3-BUB1-I domain-containing protein
13397113	4.66	4.96	-1.23	0.035597	0.356207	HCS1	holocarboxylase synthase 1
13432702	4.66	4.97	-1.24	0.532541	0.687596	AT3G24240	receptor-like protein kinase 2
13402304	4.66	5.01	-1.28	0.141914	0.468094	AT2G38330	MATE efflux family protein
13478849	4.66	5.04	-1.31	0.33538	0.576654	CYCD5;1	cyclin-D5-1
13511698	4.66	5.05	-1.31	0.482778	0.653594	AT5G47455	hypothetical protein
13535298	4.66	5.05	-1.31	0.399867	0.605723	AT5G44260	zinc finger CCCH domain-containing protein 61
13522864	4.66	5.15	-1.41	0.463447	0.643306	AT5G06770	zinc finger CCCH domain-containing protein 52
13490589	4.66	5.22	-1.47	0.084941	0.419394	BGLU10	beta glucosidase 10
13428724	4.66	5.22	-1.48	0.198219	0.508011	AT3G15550; AT3G15570	hypothetical protein; Phototropic-responsive NPH3 family protein
13387741	4.66	5.38	-1.65	0.121555	0.452563	SRS5	SHI-related sequence 5
13512961	4.66	5.42	-1.68	0.075637	0.410503	AT5G50100	putative thiol-disulfide oxidoreductase DCC
13439330	4.66	5.49	-1.78	0.173909	0.490907	EP3	chitinase
13525494	4.66	5.67	-2.01	0.094811	0.431164	EXO70C1	exocyst complex component 7
13452407	4.66	5.96	-2.47	0.163982	0.485532	AT3G21680	hypothetical protein
13456358	4.66	6	-2.53	0.260291	0.542969	AT3G45410	concanavalin A-like lectin kinase-like protein
13471022	4.65	3.21	2.71	0.036522	0.359373	AT4G20030; AT4G20040	RNA recognition motif-containing protein; Pectin lyase-like protein
13533457	4.65	3.36	2.45	0.043371	0.371935	AT5G39130	germin-like protein subfamily 1 member 16
13394901	4.65	3.74	1.87	0.018053	0.319749	AT2G20150	hypothetical protein
13361745	4.65	3.88	1.7	0.038152	0.363017	AT1G80890	GAG1At-like protein
13429440	4.65	3.89	1.69	0.131512	0.461561		
13496389	4.65	4.02	1.55	0.014388	0.313095	AT5G02060	hypothetical protein
13479961	4.65	4.03	1.54	0.070027	0.406528	PLDBETA2	phospholipase D beta 2
13465517	4.65	4.12	1.45	0.270403	0.548501	AT4G04180	AAA-type ATPase family protein
13377435	4.65	4.19	1.38	0.046306	0.377124	ELP2; GGPS6	elongator protein 2; geranylgeranyl pyrophosphate synthase 1
13426459	4.65	4.25	1.32	0.385329	0.598088	AT3G10440	shugoshin-like protein
13514231	4.65	4.37	1.21	0.237816	0.531954	AT5G52990	vesicle-associated membrane protein-like protein
13357605	4.65	4.39	1.19	0.396795	0.604163	AT1G70800	Calcium-dependent lipid-binding domain-containing protein
13373194	4.65	4.49	1.11	0.227489	0.525653	AT1G28150	hypothetical protein
13522125	4.65	4.51	1.1	0.835121	0.895796	SUVH1	histone-lysine N-methyltransferase, H3 lysine-9 specific SUVH1
13443256	4.65	4.52	1.09	0.349559	0.581308	AT3G01410	RNase H domain-containing protein
13436206	4.65	4.68	-1.02	0.863967	0.915124	UGT76E12	UDP-glucosyl transferase 76E12
13467868	4.65	4.69	-1.03	0.862501	0.914356	AT4G12680	hypothetical protein
13381916	4.65	4.73	-1.06	0.141176	0.467636	AT1G61430	putative S-locus protein kinase
13494833	4.65	4.78	-1.1	0.211229	0.516561	BT5	BTB and TAZ domain protein 5
13388055	4.65	4.84	-1.14	0.724421	0.819298	CYCB2;4	cyclin-B2-4
13494797	4.65	4.84	-1.14	0.617871	0.745299	CYCB1;1	cyclin-B1-1
13337313	4.65	4.88	-1.17	0.189862	0.503555	AT1G08340	Rho GTPase activating protein with PAK-box/P21-Rho-binding domain

13337905	4.65	4.9	-1.19	0.409274	0.610961	CRB	RNA binding protein
13491401	4.65	4.91	-1.2	0.105866	0.437609	emb1353	protein embryo defective 1353
13361481	4.65	4.98	-1.26	0.177295	0.493375	AT1G80290	nucleotide-diphospho-sugar transferase
13431540	4.65	5.01	-1.28	0.525978	0.683213	SGP2	Ras-related small GTP-binding family protein
13445401	4.65	5.01	-1.28	0.254863	0.540094	AT3G06140	RING/U-box domain-containing protein
13345681	4.65	5.08	-1.35	0.357197	0.584844	AT1G29000	heavy-metal-associated domain-containing protein
13394079	4.65	5.25	-1.52	0.196188	0.507008	AT2G18100	hypothetical protein
13518849	4.65	5.36	-1.63	0.331193	0.576012	AT5G63680	pyruvate kinase
13490544	4.65	5.53	-1.83	0.016367	0.315398	AT4G27700	rhodanese-like domain-containing protein
13355048	4.65	8.92	-19.23	0.003274	0.253459	AT1G64370	hypothetical protein
13343645	4.64	3.55	2.14	0.018442	0.321469	TH1	thiamine-phosphate pyrophosphorylase
13438657	4.64	3.54	2.14	0.184844	0.499427	BGAL2	beta-galactosidase 2
13475267	4.64	3.61	2.04	0.170466	0.488611	AT4G29540	UDP-N-acetylglucosamine O-acyltransferase domain-containing protein
13427414	4.64	3.74	1.87	0.007418	0.289247	AT3G12977	no apical meristem-domain containing transcriptional regulator
13519681	4.64	3.76	1.84	0.130564	0.460628	AT5G65400	esterase/lipase domain-containing protein
13492405	4.64	3.86	1.72	0.04853	0.37767	AT4G32290	Core-2/I-branching beta-1,6-N-acetylglucosaminyltransferase family protein
13340737	4.64	3.95	1.62	0.059113	0.394681	AT1G16220	putative protein phosphatase 2C 6
13351054	4.64	3.97	1.59	0.146896	0.470962	IAA18	auxin-responsive protein IAA18
13442529	4.64	4.1	1.45	0.124623	0.453788	AT3G62050	Putative endonuclease or glycosyl hydrolase
13494850	4.64	4.15	1.41	0.189465	0.503111	NAGS2; AT4G37660	N-acetyl-l-glutamate synthase 2; Ribosomal protein L12/ ATP-dependent Clp protease adaptor protein
13344795	4.64	4.29	1.28	0.102687	0.435908	AT1G26730	phosphate transporter PHO1-7
13509268	4.64	4.3	1.27	0.39607	0.603844	AT5G41740	TIR-NBS-LRR class disease resistance protein
13488744	4.64	4.34	1.24	0.418565	0.616426	AT4G23880	hypothetical protein
13527360	4.64	4.35	1.22	0.18486	0.499427	UGP2	UTP--glucose-1-phosphate uridylyltransferase 1
13381093	4.64	4.39	1.19	0.248592	0.53653	AT1G59780	NB-ARC domain-containing disease resistance protein
13430168	4.64	4.41	1.18	0.761315	0.843636	AT3G18510	hypothetical protein
13423766	4.64	4.45	1.14	0.827859	0.89067	AT3G03430	putative calcium-binding protein CML28
13526172	4.64	4.46	1.14	0.478415	0.651324	AT5G14580	polyribonucleotide nucleotidyltransferase
13388686	4.64	4.47	1.12	0.843867	0.90149	AT1G77620	P-loop containing nucleoside triphosphate hydrolase-like protein
13393980	4.64	4.56	1.06	0.630784	0.754223	ARAC1	Rac-like GTP-binding protein ARAC1
13504719	4.64	4.6	1.03	0.894337	0.9351	AT5G23070	Thymidine kinase
13421204	4.64	4.66	-1.01	0.966731	0.980556	AT2G44300	xylogen-like protein 10
13334842	4.64	4.67	-1.02	0.758913	0.842118	AT1G02380	hypothetical protein
13402031	4.64	4.72	-1.05	0.28758	0.557153	ACT1; ACT3	actin 1; actin 3
13377463	4.64	4.74	-1.07	0.127317	0.457028	ICK5	cyclin-dependent kinase inhibitor 7
13437262	4.64	4.74	-1.07	0.757596	0.841338	AT3G48980	hypothetical protein
13451326	4.64	4.83	-1.14	0.25554	0.540324	AT3G19500	transcription factor bHLH113
13426144	4.64	4.84	-1.15	0.610429	0.740164	HCF152	pentatricopeptide repeat-containing protein
13445744	4.64	4.93	-1.23	0.189436	0.503111	AT3G06680	60S ribosomal protein L29-2

13509816	4.64	4.99	-1.28	0.355188	0.584506	AT5G42770	Maf-like protein
13459146	4.64	5.06	-1.34	0.354384	0.5843	AT3G52610	hypothetical protein
13364821	4.64	5.15	-1.43	0.424006	0.619536	AT1G07705	CCR4-NOT transcription complex subunit 2
13364595	4.64	5.24	-1.52	0.030099	0.350098	UGT71C3	UDP-glucosyl transferase 71C3
13464377	4.64	5.34	-1.63	0.124048	0.453788	AT4G01410	late embryogenesis abundant hydroxyproline-rich glycoprotein
13492934	4.64	5.69	-2.08	0.239272	0.532475	CDC20.1	cell division cycle 20, cofactor of APC complex
13545183	4.64	7.2	-5.88	0.372543	0.592018	ArthMp064	hypothetical protein
13335903	4.64	7.29	-6.27	0.315263	0.568201		
13338616	4.64	7.29	-6.27	0.315263	0.568201		
13371239	4.64	7.29	-6.27	0.315263	0.568201		
13374938	4.64	7.29	-6.27	0.315263	0.568201		
13388906	4.64	7.29	-6.27	0.315263	0.568201		
13400979	4.64	7.29	-6.27	0.315263	0.568201		
13416199	4.64	7.29	-6.27	0.315263	0.568201		
13512367	4.64	7.29	-6.27	0.315263	0.568201		
13543729	4.64	7.29	-6.27	0.315263	0.568201		
13520216	4.63	3.37	2.4	0.170126	0.48812	DAR6	protein DA1-related 6
13421537	4.63	3.78	1.8	0.35989	0.586536	GAE4	UDP-D-glucuronate 4-epimerase 4
13533772	4.63	3.79	1.79	0.065188	0.401596	AT5G40210	nodulin MtN21 /EamA-like transporter family protein
13356158	4.63	3.83	1.74	0.00427	0.262292	AT1G67470	protein kinase domain-containing protein
13447776	4.63	3.87	1.7	0.165419	0.485944	ATE2	arginine-tRNA protein transferase 2
13385378	4.63	3.88	1.69	0.184569	0.499178	AT1G69485	ribosomal L.2 family protein
13433397	4.63	3.93	1.63	0.025648	0.33601	AT3G26080	putative plastid-lipid-associated protein 5
13533519	4.63	3.96	1.59	0.144793	0.470007	AT5G39380	calmodulin-binding protein-like protein
13498210	4.63	4.02	1.53	0.28596	0.556747	MYB33	myb domain protein 33
13466354	4.63	4.1	1.45	0.281222	0.554581	AT4G08450	TIR-NBS-LRR class disease resistance protein
13537110	4.63	4.14	1.4	0.083136	0.417856	AT5G48690	hypothetical protein
13543442	4.63	4.14	1.4	0.36262	0.588339	AT5G64580	AAA-type ATPase family protein
13433977	4.63	4.18	1.36	0.355976	0.584638	AT3G27520	hypothetical protein
13444258	4.63	4.21	1.34	0.07401	0.410257	AT3G03770	leucine-rich repeat protein kinase-like protein
13443654	4.63	4.3	1.25	0.192674	0.505579	AT3G02450	putative cell division protein ftsH
13537162	4.63	4.4	1.17	0.111784	0.443131	AT5G48790	hypothetical protein
13345119	4.63	4.44	1.14	0.446389	0.633684	AT1G27410	DNA repair metallo-beta-lactamase family protein
13476699	4.63	4.48	1.11	0.748664	0.83515	AT4G32700	DNA polymerase theta subunit
13466954	4.63	4.55	1.06	0.498151	0.663899	ELP6	elongator protein 6
13540976	4.63	4.68	-1.03	0.291907	0.559371	PMR5	hypothetical protein
13495090	4.63	4.69	-1.04	0.893756	0.934698	AT4G38140	RING-H2 finger protein ATL18
13405201	4.63	4.7	-1.05	0.855421	0.909346	cycp3;1	cyclin-U2-1
13438034	4.63	4.7	-1.05	0.825801	0.889034	AT3G51325	RING/U-box domain-containing protein
13477120	4.63	4.72	-1.06	0.35498	0.58447	AT4G33610	glycine-rich protein
13374088	4.63	4.75	-1.09	0.341214	0.57855	AT1G30475; DRT111; AT1G30473	hypothetical protein; DNA-damage-repair/toleration protein DRT111; heavy-metal-associated domain-containing protein
13543848	4.63	4.79	-1.12	0.041114	0.366422	AT5G65560	pentatricopeptide repeat-containing protein

13424602	4.63	4.81	-1.13	0.552716	0.701398	AT3G05410	Photosystem II reaction center PsbP family protein
13527454	4.63	4.87	-1.18	0.631271	0.754521	RGL3	DELLA protein RGL3
13483041	4.63	4.95	-1.25	0.267913	0.546492	AT4G10955; UGE5	GDSL esterase/lipase; UDP-D-glucose/UDP-D-galactose 4-epimerase 5
13373372	4.63	5	-1.29	0.417427	0.61595	AT1G28570	GDSL esterase/lipase
13372724	4.63	5.11	-1.39	0.011211	0.297771	AT1G26720	hypothetical protein
13395798	4.63	5.15	-1.44	0.185294	0.499807	AT2G22230	3R-hydroxymyristoyl ACP dehydrase
13427730	4.63	5.27	-1.55	0.206143	0.512828	AT3G13610; AT3G13620	oxidoreductase, 2OG-Fe(II) oxygenase family protein; Amino acid permease family protein
13528249	4.63	5.35	-1.65	0.060189	0.395762	AT5G19410	ABC transporter G family member 23
13404531	4.63	5.39	-1.68	0.115643	0.446371	AT2G43500	RWP-RK domain-containing protein
13465636	4.63	5.6	-1.96	0.715148	0.812776	AT4G04423	hypothetical protein
13496208	4.63	6.11	-2.8	0.028758	0.347331	LHCB4.1	chlorophyll a-b binding protein CP29.1
13398082	4.62	3.62	1.99	0.083666	0.417946	AT2G28150	hypothetical protein
13489308	4.62	3.72	1.87	0.030773	0.350296	AT4G25150	HAD superfamily, subfamily IIIB acid phosphatase
13442232	4.62	3.78	1.79	0.143202	0.469019	PIP1A	aquaporin PIP1-1
13337007	4.62	3.86	1.69	0.113516	0.444631	AT1G07560	leucine-rich repeat protein kinase-like protein
13380518	4.62	3.97	1.56	0.103992	0.436474	AT1G57540	hypothetical protein
13360534	4.62	4.02	1.52	0.311878	0.567183	AT1G78100	F-box protein
13450966	4.62	4.06	1.47	0.000995	0.238633	PGSIP1	plant glycogenin-like starch initiation protein 1
13449841	4.62	4.07	1.46	0.19857	0.508119	AT3G15590	pentatricopeptide repeat-containing protein
13370202	4.62	4.1	1.44	0.228822	0.526598	AT1G19840	SAUR-like auxin-responsive protein
13510632	4.62	4.1	1.43	0.018778	0.321499	AT5G44780	hypothetical protein
13361113	4.62	4.11	1.43	0.066142	0.403288	AtkdsA1; AT1G79510	2-dehydro-3-deoxyphosphooctonate aldolase; hypothetical protein
13509632	4.62	4.15	1.38	0.024726	0.333752	AT5G42460	F-box and associated interaction domain-containing protein
13397210	4.62	4.2	1.34	0.492172	0.659734	ATCTH	zinc finger CCCH domain-containing protein 23
13483801	4.62	4.19	1.34	0.115887	0.446616	AT4G12990	hypothetical protein
13365352	4.62	4.28	1.26	0.40866	0.610785	emb2411; CSD1	DNA replication ATP-dependent helicase Dna2; Superoxide dismutase [Cu-Zn]
13403058	4.62	4.35	1.21	0.64498	0.763574	NRPD1B	nuclear RNA polymerase D1B
13524534	4.62	4.47	1.11	0.212711	0.517793	AT5G10800	RNA recognition motif (RRM)-containing protein
13396306	4.62	4.48	1.1	0.48197	0.653238	WRKY15	putative WRKY transcription factor 15
13511468	4.62	4.48	1.1	0.754944	0.839698	AT5G46910	transcription factor jumonji and C5HC2 type zinc finger domain-containing protein
13365216	4.62	4.51	1.09	0.616887	0.744723	SSL3	strictosidine synthase-like 3
13374940	4.62	4.5	1.09	0.778373	0.855751	MYC2	transcription factor MYC2
13504763	4.62	4.55	1.05	0.838919	0.898453	AT5G23130	Peptidoglycan-binding LysM domain-containing protein
13441875	4.62	4.56	1.04	0.552342	0.701172	AT3G60680	hypothetical protein
13475554	4.62	4.57	1.03	0.751872	0.8374	AT4G30400	RING-H2 finger protein ATL13
13479500	4.62	4.58	1.03	0.895917	0.935965	AT4G39320	microtubule-associated protein-like protein

13339779	4.62	4.59	1.02	0.902886	0.940513	AT1G13810	restriction endonuclease, type II-like protein
13527524	4.62	4.59	1.02	0.787702	0.862418	AT5G17660	tRNA (guanine-N-7) methyltransferase
13518392	4.62	4.66	-1.02	0.86276	0.914495	SRO5	RCD one 5-like protein
13533944	4.62	4.67	-1.03	0.875886	0.923375	AT5G40610	glycerol-3-phosphate dehydrogenase [NAD+]
13459199	4.62	4.8	-1.13	0.521444	0.679947	FTSZ2-2	Tubulin/FtsZ family protein
13437595	4.62	4.93	-1.23	0.115539	0.446371	AT3G49930	C2H2 and C2HC zinc finger-containing protein
13442415	4.62	5.14	-1.43	0.209718	0.514898	AT3G61770	Acid phosphatase/vanadium-dependent haloperoxidase-related protein
13500121	4.62	5.17	-1.46	0.33369	0.576298	AT5G10990	SAUR-like auxin-responsive protein
13418416	4.62	5.36	-1.67	0.126324	0.455497	DET2	putative steroid reductase DET2
13488079	4.62	5.52	-1.86	0.036766	0.359764	AT4G22530	S-adenosyl-L-methionine-dependent methyltransferase domain-containing protein
13379870	4.62	6.39	-3.43	0.013606	0.30942		
13345431	4.61	3	3.05	0.023364	0.330182	AT1G28080	RING finger protein
13453014	4.61	3.17	2.72	0.049026	0.377942	AT3G23910	hypothetical protein
13433740	4.61	3.34	2.42	0.188877	0.502829	AT3G26840; AT3G26850	acyltransferase-like protein; histone-lysine N-methyltransferase
13402677	4.61	3.39	2.33	0.180934	0.496382		
13457143	4.61	3.44	2.24	0.161569	0.483432	AT3G47560	esterase/lipase/thioesterase family protein
13363265	4.61	3.66	1.93	0.071983	0.408294	AT1G04620	coenzyme F420 hydrogenase beta subunit
13345488	4.61	3.73	1.84	0.310774	0.566973	ATJ1	chaperone protein dnaJ 1
13339704	4.61	3.87	1.68	0.010036	0.296261	AT1G13635	DNA-3-methyladenine glycosylase I
13486709	4.61	3.87	1.67	0.295643	0.561114	AT4G19010	4-coumarate--CoA ligase-like 6
13474254	4.61	3.94	1.59	0.24398	0.534763	AT4G27490	3'-5'-exoribonuclease family protein
13483422	4.61	3.94	1.59	0.238844	0.532292	NUDX14	nudix hydrolase 14
13371378	4.61	3.98	1.56	0.183889	0.498487	AT1G22700	tetratricopeptide repeat-containing protein
13380073	4.61	4	1.52	0.122689	0.45286	AT1G55805	BolA-like-like protein
13366988	4.61	4.03	1.49	0.396438	0.604018	AT1G12280	LRR and NB-ARC domain-containing disease resistance protein
13364645	4.61	4.09	1.44	0.291648	0.559363	AT1G07360	pre-mRNA-splicing factor RBM22/SLT11
13381624	4.61	4.2	1.34	0.023496	0.330343	RECQ4B	RECQ helicase L4B
13334251	4.61	4.21	1.32	0.226056	0.524988	AT1G01260	transcription factor bHLH13
13522996	4.61	4.23	1.3	0.482108	0.653323	AT5G07150	leucine-rich repeat protein kinase-like protein
13469577	4.61	4.28	1.25	0.307495	0.565925	AT4G16530	hypothetical protein
13504977	4.61	4.29	1.25	0.321776	0.571427	AT5G23600	tRNA 2'phosphotransferase
13419452	4.61	4.31	1.23	0.090648	0.427844	AT2G40590	40S ribosomal protein S26-1
13334518	4.61	4.37	1.18	0.304115	0.564633	KEA1	K(+) efflux antiporter 1
13426857	4.61	4.41	1.14	0.570738	0.713034	AT3G11460	pentatricopeptide repeat-containing protein
13392156	4.61	4.43	1.13	0.556267	0.703517	AT2G07170	armadillo/beta-catenin-like repeat-containing protein
13528089	4.61	4.43	1.13	0.314771	0.568201	AT5G18980	ARM repeat protein-like protein
13472821	4.61	4.5	1.08	0.651707	0.768946	VEP1; ACBP3	WcaG domain-containing protein; acyl-CoA-binding domain 3
13407995	4.61	4.52	1.06	0.89771	0.936817	PGR5	protein PROTON GRADIENT REGULATION 5
13411096	4.61	4.52	1.06	0.672169	0.782654	AT2G20830	folic acid binding / transferase
13413037	4.61	4.56	1.04	0.93041	0.957572	ALPHA-VPE	vacuolar-processing enzyme alpha-isozyme

13414729	4.61	4.62	-1.01	0.959675	0.976066	ZIP6	zinc transporter 6
13528026	4.61	4.62	-1.01	0.948688	0.969306	AT5G18748; AT5G18750	hypothetical protein; DNAJ heat shock N-terminal domain-containing protein
13487937	4.61	4.67	-1.04	0.056287	0.389049	AT4G22250	RING/U-box domain-containing protein
13496182	4.61	4.69	-1.06	0.833651	0.894712	RUS5	hypothetical protein
13508496	4.61	4.75	-1.1	0.649204	0.766594	AT5G39840	putative ATP-dependent RNA helicase
13430899	4.61	4.86	-1.18	0.394039	0.602623	AT3G20150	Kinesin motor family protein
13501302	4.61	4.88	-1.21	0.380205	0.595633	NAC084	NAC domain containing protein 84
13500925	4.61	4.95	-1.26	0.306863	0.565657	AT5G13250	RING finger protein
13434780	4.61	4.98	-1.3	0.033672	0.354018	GDU6	glutamine dumper 6
13496317	4.61	5.11	-1.41	0.163038	0.484829	AT5G01830	U-box domain-containing protein 16
13432135	4.61	5.21	-1.51	0.283503	0.555903	MYB15	myb domain protein 15
13504801	4.61	5.28	-1.59	0.111903	0.443131	SCPL34	carboxypeptidase D
13339486	4.61	5.4	-1.72	0.071551	0.408234	RSH2	root hair specific 2
13349541	4.61	5.47	-1.82	0.1758	0.492347	AT1G48330	hypothetical protein
13361847	4.61	5.53	-1.89	0.407336	0.61015	AT1G01080	RNA recognition motif-containing protein
13442949	4.61	6.23	-3.08	0.055884	0.388357	CKX6	cytokinin oxidase/dehydrogenase 6
13364059	4.61	6.48	-3.65	0.017701	0.319218	AT1G06000	UDP-glycosyltransferase-like protein
13520537	4.61	6.55	-3.83	0.008307	0.293015	AT5G67430	GCN5-related N-acetyltransferase (GNAT) family protein
13545295	4.61	6.58	-3.9	0.500767	0.665461	AT2G07714; ArthMp048	transcription factor-related protein; hypothetical protein
13392274	4.61	6.72	-4.33	0.375244	0.593207	AT2G07667	hypothetical protein
13339195	4.6	3.38	2.33	0.045838	0.376634	AT1G12244	putative holliday junction resolvase
13428707	4.6	3.66	1.92	0.080073	0.414323	AT3G15518	hypothetical protein
13521131	4.6	3.74	1.81	0.046407	0.377124	CK1	choline kinase 1
13462285	4.6	3.78	1.76	0.073728	0.410046	AT3G59980; MTHFR1	Nucleic acid-binding, OB-fold-like protein; methylenetetrahydrofolate reductase 1
13518591	4.6	3.91	1.61	0.375164	0.593207	AT5G62910	RING/U-box domain-containing protein
13421164	4.6	3.93	1.59	0.14194	0.468106	AT2G44260	hypothetical protein
13356380	4.6	3.95	1.57	0.065036	0.401596	AT1G67900	phototropic-responsive NPH3-like protein
13517246	4.6	3.95	1.57	0.186584	0.500853	ULI3	cysteine/histidine-rich C1 domain-containing protein
13507614	4.6	4.01	1.5	0.53328	0.687982	AT5G36960	hypothetical protein
13346062	4.6	4.08	1.43	0.108015	0.439862	AT1G29960	peptidase-S24/S26 domain-containing protein
13484476	4.6	4.13	1.39	0.420653	0.617542	AT4G14305	Peroxisomal membrane 22 kDa (Mpv17/PMP22) family protein
13339886	4.6	4.22	1.3	0.194656	0.505856	AT1G14020; AT1G14030	O-fucosyltransferase family protein; [ribulose-bisphosphate carboxylase]-lysine N-methyltransferase
13410322	4.6	4.22	1.3	0.270529	0.548501	AT2G19340; PIRL6	Oligosaccharyltransferase complex/magnesium transporter family protein; ras group-related protein LRR 6
13432215	4.6	4.25	1.28	0.276788	0.551433	AT3G23330	pentatricopeptide repeat-containing protein
13521872	4.6	4.27	1.26	0.492035	0.659733	SYTC	calcium-dependent lipid-binding domain-containing protein
13477002	4.6	4.27	1.25	0.200578	0.509845	AT4G33310	hypothetical protein
13415649	4.6	4.28	1.24	0.491385	0.659278	TEJ	Poly(ADP-ribose) glycohydrolase 1
13516038	4.6	4.29	1.24	0.539742	0.692057	AT5G57060	hypothetical protein

13362247	4.6	4.31	1.23	0.27061	0.548501	AT1G02180	ferredoxin-like protein
13339276	4.6	4.36	1.18	0.232058	0.528375	AT1G12400	basal transcription factor complex TTD-A subunit
13499165	4.6	4.42	1.13	0.362243	0.587961	AT5G08320	hypothetical protein
13467054	4.6	4.44	1.11	0.810617	0.878797	AT4G10300	cupin domain-containing protein
13345518	4.6	4.54	1.04	0.799892	0.871154	AT1G28281	hypothetical protein
13464525	4.6	4.54	1.04	0.880055	0.926556	AT4G01730	DHHC-type zinc finger protein
13348818	4.6	4.55	1.03	0.798042	0.870063	AT1G44780	hypothetical protein
13468155	4.6	4.65	-1.03	0.652792	0.769624	AT4G13440	EF-hand, calcium binding motif-containing protein
13415913	4.6	4.73	-1.09	0.661839	0.775682	AT2G32590	condensin complex subunit 2
13465084	4.6	4.78	-1.14	0.553695	0.702005	AT4G02730	transducin/WD40 domain-containing protein
13335128	4.6	4.8	-1.15	0.533252	0.687982	AT1G03070	transmembrane BAX inhibitor motif-containing protein
13539934	4.6	4.92	-1.25	0.243977	0.534763	AT5G56050	hypothetical protein
13336448	4.6	5	-1.31	0.49814	0.663899	MYB13	myb proto-oncogene protein
13463365	4.6	5.06	-1.37	0.44023	0.629816	ATL5	RING-H2 finger protein ATL5
13482274	4.6	5.09	-1.4	0.396402	0.604018	ORTHL	E3 ubiquitin-protein ligase ORTHRUS-LIKE 1
13395956	4.6	5.17	-1.48	0.259797	0.542583	AT2G22610	Di-glucose binding protein with Kinesin motor domain
13458956	4.6	5.2	-1.51	0.009702	0.296261	AT3G52110; AT3G52105	hypothetical protein
13347891	4.6	5.23	-1.54	0.103893	0.436382	AT1G34520	putative long-chain-alcohol O-fatty-acyltransferase 8
13496896	4.6	5.25	-1.56	0.034878	0.355472		
13472703	4.6	5.36	-1.69	0.460736	0.641932	AT4G24026; AT4G24030	hypothetical protein
13409601	4.6	5.54	-1.92	0.003811	0.257741	AT2G17300	hypothetical protein
13401902	4.6	5.71	-2.15	0.049029	0.377942	ALS3	protein aluminum sensitive 3
13395055	4.6	6.14	-2.9	0.073722	0.410046	FLA6	fasciclin-like arabinogalactan protein 6
13481354	4.6	6.31	-3.26	0.00583	0.279573	AT4G03292	RNase H domain-containing protein
13530480	4.6	7.52	-7.58	0.033859	0.354028	LSU2	response to low sulfur 2
13358304	4.59	2.66	3.81	0.018034	0.319749	HRE1	ethylene-responsive transcription factor ERF073
13483970	4.59	3.56	2.03	0.262628	0.543746	AT4G13400	dioxygenase domain-containing protein
13502591	4.59	3.79	1.74	0.214232	0.518668	AT5G17233	hypothetical protein
13339726	4.59	3.81	1.72	0.098476	0.433275	ATE1	ATPase E1
13405878	4.59	3.88	1.63	0.021984	0.326278	LAC6	laccase 6
13485638	4.59	3.94	1.57	0.099278	0.433828	AT4G16765; AT4G16770	oxidoreductase, 2OG-Fe(II) oxygenase family protein; iron ion binding / oxidoreductase
13496793	4.59	3.97	1.54	0.281832	0.555062	AT5G02970	hydrolase, alpha/beta fold family protein
13362057	4.59	4.02	1.49	0.010414	0.296261	AT1G01670	U-box domain-containing protein 56
13463944	4.59	4.03	1.47	0.021962	0.326278	AT4G00355	hypothetical protein
13400638	4.59	4.07	1.44	0.27134	0.548926	AT2G34380	Putative adipose-regulatory protein (Seipin)
13449261	4.59	4.07	1.43	0.312435	0.567546	AT3G14075	lipase class 3 family protein
13523372	4.59	4.14	1.36	0.216981	0.520001	AT5G08110	UBQ, helicase-c and DEAD-like helicase domain-containing protein
13513536	4.59	4.21	1.3	0.386416	0.598595	AT5G51440	heat shock protein 23.5

13515490	4.59	4.24	1.28	0.196092	0.507008	AT5G55820	hypothetical protein
13414333	4.59	4.25	1.27	0.008639	0.293015	PUB12	plant U-box 24 protein
13545445	4.59	4.29	1.24	0.741099	0.829799		
13545567	4.59	4.29	1.24	0.741099	0.829799		
13490940	4.59	4.31	1.21	0.595698	0.730264	AT4G28890	E3 ubiquitin-protein ligase ATL42
13537866	4.59	4.33	1.2	0.601535	0.733237	AT5G50420	peptide-O-fucosyltransferase
13432370	4.59	4.53	1.04	0.839584	0.898863	RNR2A	Ribonucleoside-diphosphate reductase small chain A
13393824	4.59	4.56	1.02	0.902565	0.940367	AT2G17530	putative protein kinase
13499332	4.59	4.62	-1.02	0.710968	0.809866	AT5G08565	transcription elongation factor SPT4-1
13495919	4.59	4.64	-1.04	0.837233	0.89722	AT4G40000; RABA4B	S-adenosyl-L-methionine-dependent methyltransferase-like protein; RAB GTPase homolog A4B
13467100	4.59	4.66	-1.05	0.269799	0.548092	AT4G10470	hypothetical protein
13478859	4.59	4.7	-1.08	0.435822	0.626961	SHR	protein SHORT-ROOT
13368650	4.59	4.72	-1.09	0.7318	0.824675	AT1G16022	hypothetical protein
13419008	4.59	4.79	-1.15	0.460903	0.641973	AT2G39445	Phosphatidylinositol N-acetylglucosaminyltransferase, GPI19/PIG-P subunit
13430352	4.59	4.78	-1.15	0.744792	0.832358	POK2	phragmoplast orienting kinesin 2
13457447	4.59	4.82	-1.18	0.239729	0.532669	WNK3	putative serine/threonine-protein kinase WNK3
13352372	4.59	4.85	-1.19	0.326187	0.573783	FRUCT5	beta-fructofuranosidase, insoluble isoenzyme CWINV3
13442302	4.59	4.87	-1.22	0.159289	0.481801	AT3G61490	polygalacturonase-like protein
13531349	4.59	4.92	-1.26	0.319053	0.570076	AT5G26960	F-box/kelch-repeat protein
13473641	4.59	4.96	-1.29	0.417481	0.615953	AT4G25980	peroxidase 43
13530918	4.59	5.4	-1.74	0.128979	0.459106	RD22	dehydration-responsive protein RD22
13533848	4.59	7.31	-6.55	0.305224	0.565001		
13531174	4.59	9.31	-26.44	0.005058	0.26945	AT5G26220	ChaC-like family protein
13375059	4.58	3.34	2.36	0.067832	0.405954	AT1G33030; AT1G33020	O-methyltransferase-like protein; F-box and associated interaction domain-containing protein
13447274	4.58	3.4	2.27	0.032161	0.352847	LYC; AT3G10220	lycopene beta cyclase; tubulin folding cofactor B
13502845	4.58	3.62	1.94	0.035289	0.355898	AT5G18040	hypothetical protein
13466126	4.58	3.76	1.77	0.083248	0.417856	AT4G06598	hypothetical protein
13525919	4.58	3.85	1.67	0.181926	0.496988	NAP14	ABC transporter I family member 11
13508231	4.58	3.88	1.63	0.273071	0.54985	AT5G38895	RING/U-box domain-containing protein
13501101	4.58	3.91	1.59	0.089527	0.426419	AT5G13610	hypothetical protein
13450289	4.58	3.95	1.55	0.207372	0.513526	AT3G16730	condensin-2 complex subunit H2
13446219	4.58	4	1.49	0.11807	0.448003	AT3G07580	hypothetical protein
13477697	4.58	4.04	1.45	0.140279	0.466502	MTN2	5'-methylthioadenosine nucleosidase
13429937	4.58	4.11	1.38	0.419848	0.61724	MYB4R1	myb domain protein 4r1
13485596	4.58	4.18	1.32	0.458472	0.64015	PSD1	phosphatidylserine decarboxylase
13363407	4.58	4.22	1.28	0.098193	0.433275	UBP2	ubiquitin carboxyl-terminal hydrolase 2
13434445	4.58	4.23	1.28	0.232807	0.528669	AT3G28880; RLP43	Ankyrin repeat family protein; receptor like protein 43
13543829	4.58	4.24	1.27	0.081054	0.41589	AT5G65520	tetratricopeptide repeat domain-containing protein

13358191	4.58	4.25	1.26	0.127864	0.457732	AT1G72125	putative peptide/nitrate transporter
13340904	4.58	4.26	1.24	0.433784	0.625509	REV7	mitotic spindle assembly checkpoint protein MAD2B
13464786	4.58	4.28	1.24	0.538951	0.691822	AT4G02180	DC1 domain-containing protein
13428373	4.58	4.29	1.23	0.425	0.620259	HEME1	uroporphyrinogen decarboxylase 1
13521796	4.58	4.28	1.22	0.591421	0.727674	AT5G04020	calmodulin-binding protein
13491958	4.58	4.36	1.16	0.019824	0.322692		
13367860	4.58	4.4	1.13	0.676169	0.785425	AT1G14460	AAA-type ATPase family protein
13502577	4.58	4.4	1.13	0.726619	0.820869	AT5G17210	hypothetical protein
13543042	4.58	4.41	1.12	0.707905	0.80794	AT5G63690	Nucleic acid-binding, OB-fold-like protein
13437802	4.58	4.46	1.08	0.22916	0.52681	IDD2	indeterminate-domain 2 protein
13543965	4.58	4.49	1.07	0.828843	0.891269	AT5G65920	U-box domain-containing protein 31
13417224	4.58	4.51	1.05	0.439606	0.629459	AT2G35450	catalytic/ hydrolase
13457445	4.58	4.57	1.01	0.942777	0.965716	AT3G48250	pentatricopeptide repeat-containing protein
13490612	4.58	4.64	-1.04	0.90523	0.942024	CRF4	ethylene-responsive transcription factor CRF4
13472522	4.58	4.71	-1.1	0.621457	0.747876	AT4G23740	putative inactive receptor kinase
13438719	4.58	4.85	-1.2	0.472081	0.647729	AT3G52960	peroxiredoxin-2E
13400176	4.58	4.86	-1.22	0.484397	0.654407	AT2G33250	hypothetical protein
13396819	4.58	4.91	-1.26	0.149534	0.472476	AT2G24990	RIO kinase 1
13339109	4.58	4.94	-1.29	0.116569	0.446833	BAG5	BCL-2-associated athanogene 5
13424719	4.58	5.04	-1.37	0.069222	0.406403	AT3G05550	hypoxia-responsive-like protein
13354173	4.58	5.05	-1.38	0.397698	0.60452	AT1G61795	PAK-box/P21-Rho-binding family protein
13541003	4.58	5.17	-1.51	0.288154	0.557599	PLC1	phosphoinositide phospholipase C 1
13456057	4.58	5.23	-1.57	0.027403	0.342328	AT3G44510	alpha/beta-hydrolases family protein
13457500	4.58	5.27	-1.61	0.024067	0.332187	CYP94B3	cytochrome P450, family 94, subfamily B, polypeptide 3
13467341	4.58	5.31	-1.66	0.016077	0.315398	AT4G11175	translation initiation factor IF-1
13405196	4.58	5.36	-1.72	0.106612	0.43902	GATA2	GATA transcription factor 2
13355274	4.58	5.62	-2.05	0.01576	0.315212	SIGA	sigma factor A
13484659	4.58	5.99	-2.66	0.063016	0.398838	APS3	3'-phosphoadenosine 5'-phosphosulfate synthase
13415903	4.58	6.03	-2.73	0.040091	0.365591	MAPKKK17	mitogen-activated protein kinase kinase kinase 17
13439720	4.58	6.06	-2.8	0.324124	0.57294	AT3G55390	hypothetical protein
13377260	4.58	6.18	-3.03	0.069245	0.406403	GH9C1	endoglucanase 5
13373301	4.57	3.63	1.92	0.202202	0.510403	ERF11	ethylene-responsive transcription factor 11
13388351	4.57	3.64	1.9	0.079318	0.414078	AT1G76980	hypothetical protein
13345125	4.57	3.7	1.83	0.125084	0.454106	AT1G27420	kelch repeat-containing F-box protein
13350440	4.57	3.73	1.78	0.007756	0.290374	CYP705A27	cytochrome P450, family 705, subfamily A, polypeptide 27
13386640	4.57	3.74	1.77	0.168132	0.487067	AT1G73020	hypothetical protein
13389580	4.57	3.86	1.64	0.133081	0.462568	AT1G79540	pentatricopeptide repeat-containing protein
13336634	4.57	3.87	1.63	0.347465	0.58045	AT1G06510	hypothetical protein
13517248	4.57	3.91	1.58	0.274288	0.550583	AT5G59930	cysteine/histidine-rich C1 domain-containing protein
13512450	4.57	3.92	1.57	0.201681	0.510189	AT5G49015	hypothetical protein
13386043	4.57	3.93	1.56	0.239183	0.532442	AT1G71360	Galactose-binding protein
13532442	4.57	3.95	1.55	0.138686	0.46568	AT5G35930	AMP-dependent synthetase and ligase family protein

13500477	4.57	3.98	1.51	0.28998	0.558181	TIM17-3	translocase inner membrane subunit 17-3
13428971	4.57	4.05	1.43	0.460869	0.641973	AT3G16170	putative long-chain acyl-CoA synthetase
13475861	4.57	4.08	1.4	0.082062	0.417191	AT4G31100	wall-associated receptor kinase-like 17
13371632	4.57	4.13	1.36	0.313512	0.568024	MENG	S-adenosylmethionine-dependent methyltransferase domain-containing protein
13359187	4.57	4.16	1.33	0.228663	0.526466	AT1G74680	exostosin-like protein
13518192	4.57	4.22	1.28	0.351951	0.582786	AT5G62030	diphthamide synthesis DPH2 family protein
13362499	4.57	4.25	1.25	0.046355	0.377124	TPK1	thiamin pyrophosphokinase1
13467813	4.57	4.28	1.22	0.311786	0.567087	AT4G12545	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13376756	4.57	4.32	1.19	0.593908	0.729071	AT1G48040	putative protein phosphatase 2C 13
13512568	4.57	4.39	1.14	0.897781	0.936817	RLP56	receptor like protein 56
13472187	4.57	4.41	1.12	0.617427	0.745141	PGR5-LIKE A	PGR5-like protein 1A
13419705	4.57	4.44	1.1	0.590765	0.727202	AT2G41120; CAM2; CAM3; CAM5	hypothetical protein; calmodulin 2; calmodulin 3; calmodulin 5
13379615	4.57	4.5	1.05	0.478022	0.651036	ACP3	acyl carrier protein 3
13391691	4.57	4.65	-1.05	0.607085	0.737449	FLA7	fasciclin-like arabinogalactan protein 7
13397532	4.57	4.64	-1.05	0.534274	0.688574	BAS1	PHYB activation tagged suppressor 1 protein
13457993	4.57	4.67	-1.07	0.564323	0.70892	AT3G49744	hypothetical protein
13528001	4.57	4.73	-1.12	0.559668	0.705802	AT5G18661	hypothetical protein
13429560	4.57	4.83	-1.2	0.006496	0.282667	CRSH	Ca2+-activated RelA/spot-like protein
13411302	4.57	4.91	-1.27	0.377174	0.593752	SULA	Rossmann-fold NAD(P)-binding domain-containing protein
13510574	4.57	4.98	-1.32	0.185853	0.500307	AT5G44660	hypothetical protein
13345282	4.57	4.99	-1.34	0.247985	0.536315	RSL4	transcription factor bHLH54
13527443	4.57	5.07	-1.41	0.148537	0.471967	AT5G17460	hypothetical protein
13418725	4.57	5.13	-1.48	0.46081	0.641973	AT2G38790	hypothetical protein
13409204	4.57	5.24	-1.59	0.027207	0.34139	AT2G16230	O-Glycosyl hydrolases family 17 protein
13462966	4.57	5.36	-1.72	0.139694	0.466238	AT3G61750	Cytochrome b561/ferric reductase transmembrane with DOMON related domain
13388016	4.57	5.45	-1.85	0.372086	0.591916	AT1G76250	hypothetical protein
13393334	4.57	5.9	-2.51	0.126879	0.456634	AT2G16340	hypothetical protein
13389143	4.57	6.03	-2.76	0.0675	0.405582		
13341228	4.57	7.12	-5.87	0.015889	0.315398	GSTU25	glutathione S-transferase TAU 25
13428584	4.56	3.56	2	0.052312	0.382608	AT3G15358	hypothetical protein
13363215	4.56	3.63	1.91	0.097154	0.433165	AT1G04490	hypothetical protein
13420661	4.56	3.71	1.8	0.096738	0.43273	AT2G43140	transcription factor bHLH129
13477663	4.56	3.71	1.8	0.333113	0.576298	GATA3	GATA transcription factor 3
13545473	4.56	3.71	1.79	0.383759	0.597749		
13402096	4.56	3.87	1.61	0.059885	0.395174	AT2G37820	cysteine/histidine-rich C1 domain-containing protein
13464031	4.56	3.88	1.6	0.132315	0.46234	AT4G00590	putative isoaspartyl peptidase/L-asparaginase 4 subunit beta
13410746	4.56	3.89	1.59	0.076753	0.411511	AT2G20210	leucine-rich repeats-ribonuclease inhibitor domain-containing protein
13534991	4.56	3.99	1.49	0.361987	0.587911	CK1	choline kinase 1
13337025	4.56	4.14	1.33	0.533502	0.688042	PLL5	putative protein phosphatase 2C 4
13466527	4.56	4.15	1.33	0.274982	0.550583	FBW2	F-box protein FBW2

13368077	4.56	4.15	1.32	0.329018	0.574751	AT1G14820	sec.4-like phosphatidylinositol transfer protein
13436132	4.56	4.2	1.29	0.291668	0.559363	AT3G46490	iron ion binding / oxidoreductase/ oxidoreductase protein
13382385	4.56	4.24	1.24	0.363143	0.588585	AT1G62680	pentatricopeptide repeat-containing protein
13346964	4.56	4.26	1.23	0.025821	0.33601	AT1G32120	hypothetical protein
13363463	4.56	4.31	1.19	0.045242	0.375052	AT1G04930	hydroxyproline-rich glycoprotein family protein
13459878	4.56	4.36	1.15	0.750792	0.836708	AT3G54380	SAC3/GANP/Nin1/mts3/eIF-3 p25 family protein
13496677	4.56	4.36	1.15	0.279375	0.553724	AT5G02710; AT5G02720	hypothetical protein
13511770	4.56	4.35	1.15	0.221574	0.522805	NF-YB2	nuclear transcription factor Y subunit B-2
13387748	4.56	4.37	1.14	0.544695	0.695513	AT1G75560	CCHC-type zinc knuckle protein
13412729	4.56	4.38	1.13	0.50659	0.669961	AT2G25290	octicosapeptide/Phox/Be.1 domain-containing protein
13391939	4.56	4.39	1.12	0.023412	0.330182	AT2G05760	nucleobase-ascorbate transporter 1
13478944	4.56	4.39	1.12	0.751882	0.8374	EDA40	Zinc finger (C3HC4-type RING finger) family protein
13493379	4.56	4.52	1.03	0.542886	0.69434	01-Sep	stress enhanced protein 1
13462638	4.56	4.61	-1.04	0.873074	0.921463	AT3G60980	pentatricopeptide repeat-containing protein
13428855	4.56	4.69	-1.1	0.834173	0.895014	AT3G15890	protein kinase family protein
13541643	4.56	4.7	-1.1	0.837068	0.897076	RIP5	interactor of constitutive active ROPs 3
13394222	4.56	4.72	-1.12	0.414817	0.614208	AT2G18570	UDP-glycosyltransferase-like protein
13528418	4.56	4.76	-1.15	0.471351	0.64746	AT5G19850	hydrolase, alpha/beta fold family protein
13402027	4.56	4.78	-1.17	0.211374	0.516651	DOF2.4	Dof zinc finger protein DOF2.4
13525222	4.56	4.79	-1.17	0.382852	0.597198	AT5G12360; AT5G12350	hypothetical protein; Regulator of chromosome condensation-like protein with FYVE zinc finger domain-containing protein
13432428	4.56	4.82	-1.2	0.65946	0.77445	IPT7	adenylate isopentenyltransferase 7
13451644	4.56	4.85	-1.22	0.749137	0.835449	AT3G20230; AT3G20220; DELTA-VPE	Ribosomal L18p/L5e family protein; SAUR-like auxin-responsive protein; legumain
13435887	4.56	4.92	-1.28	0.564169	0.70885	PHOT1	non-specific serine/threonine protein kinase
13336011	4.56	4.98	-1.34	0.186206	0.500453	GLR3.4	glutamate receptor 3.4
13468830	4.56	4.99	-1.35	0.085267	0.419913	AT4G15120	VQ motif-containing protein
13376240	4.56	5.02	-1.38	0.485557	0.655211	CYCA1;1	cyclin-A1-1
13397520	4.56	5.08	-1.44	0.139398	0.466238		
13518187	4.56	5.45	-1.86	0.103789	0.436308	HSFB2A	heat stress transcription factor B-2a
13528592	4.56	5.78	-2.32	0.002113	0.253459	HHP1	heptahelical transmembrane protein1
13387009	4.56	5.8	-2.36	0.020851	0.324125	AT1G73810	core-2/I-branching beta-1,6-N-acetylglucosaminyltransferase-like protein
13544413	4.56	6.72	-4.45	0.009932	0.296261	AT5G66650	hypothetical protein
13339607	4.55	2.55	3.98	0.027516	0.343147	RAV1	AP2/ERF and B3 domain-containing transcription factor RAV1
13360638	4.55	3.38	2.25	0.021566	0.325381	AT1G78410	VQ motif-containing protein
13473339	4.55	3.6	1.93	0.005716	0.279573	AT4G25310	protein SRG1
13433324	4.55	3.65	1.86	0.083307	0.417856	AT3G25940	TFIIB zinc-binding protein
13491189	4.55	3.8	1.69	0.074472	0.410455	NFC5	histone-binding protein RBBP4
13481966	4.55	3.83	1.65	0.132315	0.46234	AT4G05460	F-box protein SKIP19

13403380	4.55	3.88	1.6	0.082228	0.417449	GLY1	NAD-dependent glycerol-3-phosphate dehydrogenase-like protein
13427689	4.55	3.88	1.59	0.021145	0.324494	AT3G13510	hypothetical protein
13414590	4.55	3.91	1.56	0.27923	0.553698	AT2G29590; AT2G29600	thioesterase-like protein; F-box/kelch-repeat protein
13439937	4.55	3.91	1.56	0.385099	0.598088	AT3G55750	60S ribosomal protein L35a-4
13342343	4.55	3.94	1.52	0.473347	0.648252	AT1G19710	glycosyl transferase family protein
13501781	4.55	4.04	1.42	0.507751	0.670904	AT5G15280	pentatricopeptide repeat-containing protein
13543332	4.55	4.06	1.4	0.479127	0.651671	AT5G64320	pentatricopeptide repeat-containing protein
13398695	4.55	4.09	1.37	0.32767	0.574416	JOSL	Josephin-like protein
13403175	4.55	4.15	1.32	0.333082	0.576298	AT2G40240	pentatricopeptide repeat-containing protein
13369011	4.55	4.19	1.28	0.161634	0.483463	CYP72C1	cytochrome p450 72c1
13399296	4.55	4.2	1.28	0.309794	0.566973	AT2G31290	ubiquitin carboxyl-terminal hydrolase-like protein
13364156	4.55	4.2	1.27	0.081314	0.416553	AT1G06260	cysteine proteinase-like protein
13507804	4.55	4.28	1.21	0.213981	0.518411	EMB2656	condensin complex subunit 3
13457737	4.55	4.33	1.17	0.177304	0.493375	DMS3	protein defective in meristem silencing 3
13544736	4.55	4.33	1.16	0.352252	0.582967	AT5G67460	O-Glycosyl hydrolases family 17 protein
13439927	4.55	4.6	-1.04	0.681579	0.788824	PROT2	proline transporter 2
13409995	4.55	4.77	-1.17	0.557371	0.704081	AT2G18210	hypothetical protein
13468223	4.55	4.8	-1.19	0.515973	0.675959	AT4G13620	ethylene-responsive transcription factor ERF062
13519774	4.55	5.04	-1.41	0.0452	0.375052	AT5G65610	hypothetical protein
13442343	4.55	5.21	-1.57	0.034917	0.355472	HWS	F-box/kelch-repeat protein
13358911	4.55	5.62	-2.1	0.295872	0.561265	UGT89B1	UDP-glucosyl transferase 89B1
13387000	4.54	3.11	2.71	0.073461	0.409624	AT1G73805	calmodulin binding protein-like protein
13407722	4.54	3.5	2.06	0.046989	0.377465	AT2G04230	F-box/FBD/LRR-repeat protein
13416857	4.54	3.54	2	0.043912	0.373332	AT2G34670	hypothetical protein
13495010	4.54	3.83	1.64	0.023872	0.331575	AT4G38050	nucleobase-ascorbate transporter 11
13449614	4.54	3.86	1.6	0.008457	0.293015	AT3G14980; AT3G14981	Acyl-CoA N-acyltransferase with RING/FYVE/PHD-type zinc finger domain; hypothetical protein
13365151	4.54	3.92	1.54	0.140266	0.466502	WIP3	WIP domain protein 3
13544029	4.54	3.97	1.48	0.038004	0.362606	AT5G66000	hypothetical protein
13400642	4.54	4.05	1.41	0.362707	0.588447	AT2G34400	pentatricopeptide repeat-containing protein
13495347	4.54	4.08	1.38	0.267739	0.546492	AT4G38670	pathogenesis-related thaumatin-like protein
13486009	4.54	4.2	1.27	0.371554	0.591914	AT4G17360	Formyl transferase
13399175	4.54	4.21	1.26	0.110924	0.442308	AT2G31010	protein kinase domain-containing protein
13403882	4.54	4.27	1.21	0.447255	0.634216	HSFB3	heat stress transcription factor B-3
13430564	4.54	4.34	1.14	0.624313	0.749307	AT3G19440	RNA pseudourine synthase 4
13337810	4.54	4.38	1.12	0.728513	0.822072	AT1G09040	hypothetical protein
13341245	4.54	4.37	1.12	0.801444	0.872009	FUG1	translation initiation factor IF-2
13421608	4.54	4.56	-1.01	0.956527	0.97434	AUR3	serine/threonine-protein kinase aurora-3
13527171	4.54	4.56	-1.01	0.963623	0.978557	AT5G16940; AT5G16930	carbon-sulfur lyase; AAA-type ATPase family protein
13528293	4.54	4.6	-1.04	0.930383	0.957572	AT5G19490	histone 2A domain-containing protein
13510002	4.54	4.66	-1.08	0.637291	0.758609	AT5G43420	RING-H2 finger protein ATL16
13383032	4.54	4.67	-1.09	0.6253	0.750113	AT1G64150	hypothetical protein
13529908	4.54	4.74	-1.15	0.582098	0.721482	CXE18	carboxyesterase 18
13367895	4.54	4.81	-1.2	0.260685	0.542969	THH1	hypothetical protein

13344471	4.54	4.86	-1.25	0.476656	0.65023	AT1G25360	pentatricopeptide repeat-containing protein
13463715	4.54	4.9	-1.29	0.232292	0.528375	AT3G63450	RNA-binding (RRM/RBD/RNP motifs) family protein
13516213	4.54	4.93	-1.31	0.592005	0.728016	AT5G57391	hypothetical protein
13428825	4.54	5.02	-1.39	0.595244	0.730084	AT3G15800	glycosyl hydrolase family 17 protein
13521052	4.54	5.04	-1.41	0.196499	0.507317	AT5G01910	hypothetical protein
13512378	4.54	5.12	-1.49	0.418804	0.616615	AT5G48900	putative pectate lyase 20
13419643	4.54	5.13	-1.51	0.058443	0.393422	AT2G40925	F-box protein
13481449	4.54	5.18	-1.56	0.477124	0.650508	AT4G03480	Ankyrin repeat family protein
13358988	4.54	5.26	-1.64	0.118299	0.448273	MYB122	myb domain protein 122
13410203	4.54	5.4	-1.81	0.540651	0.692668	AT2G18940	pentatricopeptide repeat-containing protein
13384935	4.54	5.95	-2.65	0.006114	0.280665	AT1G68470	Exostosin family protein
13356862	4.54	6.12	-2.99	0.03536	0.355898	AT1G69050	hypothetical protein
13504982	4.54	6.24	-3.24	0.023333	0.330182		
13492692	4.53	3.28	2.37	0.11658	0.446833	AT4G32960	hypothetical protein
13461811	4.53	3.41	2.18	0.000056	0.14124	AT3G58930	F-box/LRR-repeat protein
13525951	4.53	3.77	1.69	0.160512	0.482937	CHC1	SWI/SNF complex component SNF12-like protein
13360587	4.53	3.89	1.56	0.109771	0.440987		
13499630	4.53	3.93	1.52	0.179355	0.494894	AT5G09580	hypothetical protein
13398059	4.53	3.96	1.48	0.009032	0.295711	AT2G28120	major facilitator protein
13386943	4.53	3.97	1.48	0.307319	0.565803	AT1G73655	FKBP-like peptidyl-prolyl cis-trans isomerase-like protein
13490453	4.53	3.98	1.47	0.107554	0.439522	AT4G27610	hypothetical protein
13539968	4.53	4	1.44	0.240779	0.53343	WIP2	WPP domain-interacting protein 2
13415759	4.53	4.14	1.31	0.143166	0.469019	AT2G32060	40S ribosomal protein S12-2
13420352	4.53	4.15	1.31	0.155428	0.47818	AT2G42440	LOB domain-containing protein 17
13340952	4.53	4.17	1.28	0.476612	0.6502	AT1G16690	Enhancer of polycomb-like transcription factor protein
13443781	4.53	4.17	1.28	0.072583	0.408352	AT3G02770	Regulator of ribonuclease-like protein 1
13408757	4.53	4.21	1.25	0.112601	0.443738	AT2G14095	hypothetical protein
13419302	4.53	4.31	1.17	0.240679	0.53343	AT2G40120	protein kinase-like protein
13428886	4.53	4.33	1.15	0.37598	0.593207	AT3G16010	pentatricopeptide repeat-containing protein
13397527	4.53	4.44	1.07	0.345011	0.579915	PID2	protein pinoid2
13478835	4.53	4.52	1.01	0.935692	0.961077	HLS1	hookless 1 / N-acetyltransferase
13424383	4.53	4.62	-1.07	0.49507	0.661768	AT3G04950	hypothetical protein
13519843	4.53	4.63	-1.07	0.290584	0.5586	HSL2	LRR receptor-like serine/threonine-protein kinase HSL2
13527596	4.53	4.62	-1.07	0.54682	0.697134	VAR3	zinc finger protein VAR3
13336900	4.53	4.73	-1.15	0.790021	0.864084	UGT71C5	UDP-glucosyl transferase 71C5
13374931	4.53	4.83	-1.23	0.772104	0.851495	AT1G32610; AT1G32600	hydroxyproline-rich glycoprotein-like protein; F-box associated ubiquitination effector family protein
13450102	4.53	5.07	-1.45	0.442855	0.631085	AT3G16180	major facilitator protein
13492249	4.53	5.17	-1.55	0.106488	0.438708	AT4G32000	protein kinase family protein
13401627	4.53	5.35	-1.76	0.22117	0.522379	AT2G36650	hypothetical protein
13357721	4.53	5.94	-2.65	0.025713	0.33601	AT1G71140	MATE efflux family protein
13521663	4.53	6.22	-3.22	0.027566	0.343339	ATCSLA09	glucomannan 4-beta-mannosyltransferase 9
13408390	4.53	7.18	-6.28	0.323435	0.572607	AT2G07738	hypothetical protein
13533191	4.52	3.46	2.09	0.01031	0.296261		

13435206	4.52	3.47	2.07	0.029254	0.348027	ZIFL2	zinc induced facilitator-like 2 protein
13505869	4.52	3.48	2.06	0.035169	0.355472	AT5G26160	hypothetical protein
13478439	4.52	3.68	1.78	0.075921	0.410503	BEE2	transcription factor BEE 2
13441274	4.52	3.72	1.74	0.275479	0.550666	AT3G59350	protein kinase family protein
13435671	4.52	3.77	1.68	0.032754	0.353721	AT3G44960	hypothetical protein
13425979	4.52	3.9	1.54	0.08419	0.418216	AT3G09085	hypothetical protein
13470974	4.52	3.9	1.54	0.341027	0.578456	AT4G19950	hypothetical protein
13521738	4.52	3.9	1.54	0.070676	0.407344	ATH12; AT5G03905	ABC transporter B family member 29; Iron-sulfur assembly protein IscA-like 2
13390327	4.52	3.93	1.51	0.093353	0.430177	AT2G01090	ubiquinol-cytochrome c reductase subunit 6
13387247	4.52	3.97	1.47	0.552114	0.701069	AT1G74350	intron maturase, type II-like protein
13361555	4.52	3.99	1.45	0.020061	0.322692	AT1G80510	transmembrane amino acid transporter-like protein
13504924	4.52	4.11	1.33	0.101863	0.435397	AT5G23510	hypothetical protein
13367795	4.52	4.16	1.29	0.238133	0.532053	AT1G14330	F-box/kelch-repeat protein SKIP11
13379058	4.52	4.2	1.25	0.022664	0.328499	AT1G53450	hypothetical protein
13533755	4.52	4.2	1.25	0.540037	0.692192	EMB506	ankyrin repeat domain-containing protein EMB506
13414988	4.52	4.23	1.23	0.03581	0.356829	RPT2	Root phototropism protein 2
13340379	4.52	4.26	1.2	0.519014	0.678077	AT1G15410; AT1G15415	aspartate-glutamate racemase-like protein; hypothetical protein
13499488	4.52	4.27	1.19	0.092732	0.429659	SRT2	sirtuin 2
13483860	4.52	4.29	1.17	0.489802	0.658225	AT4G13190	protein kinase family protein
13376479	4.52	4.32	1.15	0.008958	0.295337	AT1G45248	Nucleolar histone methyltransferase-related protein
13431473	4.52	4.32	1.15	0.068908	0.406403	AT3G21390	Mitochondrial substrate carrier family protein
13375118	4.52	4.35	1.13	0.558033	0.704548	AT1G33350	pentatricopeptide repeat-containing protein
13488887	4.52	4.36	1.12	0.426965	0.62132	AT4G24390; AT4G24380	F-box protein FBX14; hypothetical protein
13356966	4.52	4.44	1.06	0.724272	0.819212	AT1G69400	transducin/WD-40 repeat-containing protein
13432217	4.52	4.46	1.04	0.776314	0.85439	ckl10	casein kinase 1
13360195	4.52	4.49	1.03	0.879767	0.926441	AT1G77405	pentatricopeptide repeat-containing protein
13343950	4.52	4.49	1.02	0.920594	0.952002	AT1G23880	NHL domain-containing protein
13411412	4.52	4.5	1.01	0.94481	0.967072	AT2G21510	DNAJ heat shock N-terminal domain-containing protein
13401365	4.52	4.65	-1.09	0.295278	0.561066	E2F3	E2F transcription factor 3
13532934	4.52	4.67	-1.11	0.911261	0.946225	AT5G37440	chaperone DnaJ-domain containing protein
13345249	4.52	4.69	-1.13	0.224414	0.524988	APL2	glucose-1-phosphate adenylyltransferase large subunit 2
13541533	4.52	4.8	-1.22	0.42521	0.620343	AT5G59900	pentatricopeptide repeat-containing protein
13411560	4.52	4.85	-1.26	0.031678	0.352545	AT2G22100	RNA-binding (RRM/RBD/RNP motifs) family protein
13342351	4.52	5.06	-1.45	0.207184	0.513526	AT1G19740	ATP-dependent protease La domain-containing protein
13506692	4.52	5.22	-1.63	0.350418	0.582019	AT5G27820	Ribosomal L18p/L5e family protein
13444123	4.52	6.2	-3.21	0.003775	0.256913	NPC4	phospholipase C
13467352	4.52	7.05	-5.79	0.002282	0.253459	AT4G11210	disease resistance-responsive, dirigent domain-containing protein
13450073	4.51	3.3	2.32	0.071519	0.408234	AT3G16070	hypothetical protein

13473116	4.51	3.42	2.13	0.128304	0.45839	AT4G24880	snurportin-1
13434325	4.51	3.59	1.9	0.043144	0.37115	AT3G28580	AAA-type ATPase family protein
13381220	4.51	3.59	1.88	0.053185	0.383613	AT1G60080	3' exoribonuclease domain 1-containing protein
13472912	4.51	3.68	1.78	0.246186	0.535608	AT4G24430	Rhamnogalacturonate lyase family protein
13498453	4.51	3.7	1.74	0.105625	0.437428	SPC98	spindle pole body component 98
13425779	4.51	3.91	1.52	0.206311	0.513093	AT3G08620	RNA-binding KH domain-containing protein
13396584	4.51	3.92	1.51	0.064789	0.401596	AT2G24240	BTB/POZ domain with WD40/YVTN repeat-containing protein
13440059	4.51	3.97	1.45	0.417171	0.615846	AT3G56030	pentatricopeptide repeat-containing protein
13493727	4.51	4.16	1.28	0.49796	0.6638	AT4G35140	WD repeat-containing protein 42A
13537916	4.51	4.16	1.28	0.321356	0.571227	AT5G50520; AT5G50630	major facilitator protein
13479344	4.51	4.18	1.26	0.412993	0.613625	AT4G38960	B-box type zinc finger-containing protein
13422185	4.51	4.22	1.22	0.122495	0.45286	AT2G46915; AT2G46910	hypothetical protein; putative plastid-lipid-associated protein 10
13429956	4.51	4.26	1.19	0.032028	0.352653	PEX3-1	peroxin-3
13451834	4.51	4.31	1.15	0.720061	0.81637	AT3G20620	F-box family protein-like protein
13453091	4.51	4.33	1.14	0.381932	0.59674	AT3G24090	putative glucosamine-fructose-6-phosphate aminotransferase
13378504	4.51	4.36	1.11	0.776219	0.854352	AT1G52050	jacalin-like lectin domain-containing protein
13378087	4.51	4.41	1.07	0.819678	0.884608	AT1G51130	Nse4, component of Smc5/6 DNA repair complex
13433847	4.51	4.45	1.04	0.552327	0.701172	PHB4	prohibitin 4
13533901	4.51	4.54	-1.02	0.942305	0.965477	AT5G40470	RNI-like superfamily protein
13378212	4.51	4.56	-1.04	0.93983	0.963805	AT1G51550; AT1G51540	F-box/kelch-repeat protein; kelch-like motif-containing protein
13439399	4.51	4.62	-1.08	0.576085	0.716859	AT3G54630	kinetochore protein NDC80
13343661	4.51	4.64	-1.1	0.655504	0.77158	AT1G23000	heavy-metal-associated domain-containing protein
13439038	4.51	4.72	-1.15	0.761377	0.843636	MEE40	pentatricopeptide repeat-containing protein
13375245	4.51	4.84	-1.26	0.170158	0.48812	AT1G33640	hypothetical protein
13406747	4.51	4.87	-1.28	0.289374	0.557997	AT2G01310	hypothetical protein
13477745	4.51	4.88	-1.29	0.322948	0.572134	AT4G34920	1-phosphatidylinositol phosphodiesterase-related protein
13377980	4.51	4.92	-1.33	0.220335	0.52188	AT1G50660	hypothetical protein
13379824	4.51	4.94	-1.34	0.69775	0.800987	AT1G55380	cysteine/histidine-rich C1 domain-containing protein
13496061	4.51	4.98	-1.39	0.119096	0.449468	AT5G01200	duplicated SANT DNA-binding domain-containing protein
13431049	4.51	5	-1.41	0.071103	0.408032	AT3G20460	putative sugar transporter ERD6-like 13
13351887	4.51	5.26	-1.68	0.302364	0.563905	GLIP5	GDSL esterase/lipase 5
13444361	4.51	5.54	-2.04	0.070175	0.406528	AT3G04030	myb family transcription factor
13344997	4.51	6.2	-3.22	0.070946	0.407802	GSTU14	glutathione S-transferase tau 14
13335719	4.5	3.33	2.25	0.024542	0.333211	AT1G04420	NAD(P)-linked oxidoreductase-like protein
13426204	4.5	3.65	1.81	0.000809	0.218176	AT3G09830	protein kinase domain-containing protein
13489400	4.5	3.75	1.68	0.141413	0.467925	SHB1	phosphate transporter PHO1-4
13358414	4.5	3.78	1.64	0.089648	0.426725	AT1G72690	hypothetical protein
13522966	4.5	3.83	1.59	0.519511	0.678602	AT5G07050	nodulin MtN21 /EamA-like transporter family protein

13455581	4.5	3.89	1.53	0.42324	0.619069	AT3G42628	phosphoenolpyruvate carboxylase-related protein
13460452	4.5	3.9	1.52	0.190656	0.50408	AT3G55573	hypothetical protein
13351133	4.5	4.05	1.36	0.223724	0.524399	AT1G52320; AT1G52325	hypothetical protein; Initiation factor eIF-4 gamma, MA3
13414708	4.5	4.05	1.36	0.05383	0.3842	NDA2	NADH dehydrogenase
13387879	4.5	4.18	1.25	0.437013	0.627847	AT1G75860	hypothetical protein
13393881	4.5	4.18	1.25	0.074419	0.410455	AT2G17670	pentatricopeptide repeat-containing protein
13419057	4.5	4.18	1.25	0.639692	0.760106	AT2G39530	UPF0497 membrane protein
13452318	4.5	4.23	1.21	0.221175	0.522379	AT3G21580	protein ABCI12
13369865	4.5	4.25	1.19	0.461838	0.642527	AT1G18850	hypothetical protein
13415891	4.5	4.29	1.16	0.209894	0.515103	AT2G32500	Stress responsive alpha-beta barrel domain protein
13400797	4.5	4.34	1.12	0.191641	0.504716	MEE22	maternal effect embryo arrest 22
13498113	4.5	4.33	1.12	0.463294	0.643207	AT5G05830	RING/FYVE/PHD zinc finger-containing protein
13350154	4.5	4.36	1.1	0.215806	0.519661	AT1G49880	Erv1/Alr-like protein
13410239	4.5	4.37	1.1	0.629194	0.753015	SLP3	subtilisin-like serine protease 3
13433405	4.5	4.38	1.09	0.638139	0.759076	AT3G26085	CAAX amino terminal protease family protein
13354987	4.5	4.39	1.08	0.688547	0.793951	AT1G64210	leucine-rich repeat transmembrane protein kinase-like protein
13405985	4.5	4.4	1.07	0.482473	0.653509	AT2G46850	probably inactive receptor-like protein kinase
13532812	4.5	4.43	1.05	0.795232	0.867893	AT5G37010	hypothetical protein
13361706	4.5	4.47	1.02	0.886888	0.930765	AT1G80810	Tudor/PWWP/MBT superfamily protein
13541410	4.5	4.53	-1.02	0.936914	0.961746	AT5G59550	C3H4 type zinc finger protein
13465945	4.5	4.55	-1.04	0.891314	0.933265	ATK5	kinesin 5
13444421	4.5	4.58	-1.06	0.552432	0.701184	AT3G04184	hypothetical protein
13339270	4.5	4.6	-1.07	0.32642	0.573808	AT1G12390	protein cornichon-4
13420616	4.5	4.65	-1.11	0.704543	0.805513	AT2G42960	putative receptor-like protein kinase
13388931	4.5	4.67	-1.12	0.762933	0.844607	GSTU22	glutathione S-transferase TAU 22
13544378	4.5	4.73	-1.17	0.641126	0.760776	AT5G66550	Maf-like protein
13516311	4.5	4.81	-1.24	0.295587	0.561114	CER3	protein WAX2
13470786	4.5	4.91	-1.33	0.31139	0.566973		
13391358	4.5	5.05	-1.46	0.42718	0.621501	RGF8	hypothetical protein
13455968	4.5	5.41	-1.87	0.204754	0.511575	NAC060	NAC domain containing protein 60
13357869	4.5	5.57	-2.09	0.149961	0.47284	AT1G71480; AT1G71490	nuclear transport factor 2-like protein; pentatricopeptide repeat-containing protein
13404525	4.5	5.59	-2.13	0.061279	0.398106	AT2G43480	peroxidase
13425716	4.5	5.59	-2.14	0.108808	0.440715	QRT2	Polygalacturonase QRT2
13512701	4.5	6.04	-2.9	0.37677	0.59355	AT5G49640	hypothetical protein
13411047	4.49	2.93	2.94	0.00239	0.253459		
13540259	4.49	3.37	2.18	0.127847	0.457732	CKX3	cytokinin dehydrogenase 3
13524814	4.49	3.68	1.74	0.074177	0.410257	AT5G11460	hypothetical protein
13430341	4.49	3.79	1.62	0.248332	0.536392	ETP1	EIN2 targeting protein1
13350210	4.49	3.82	1.59	0.05785	0.39275	AT1G49980	DNA polymerase kappa subunit
13446176	4.49	3.83	1.57	0.135617	0.464846	GLR1.4	glutamate receptor 1.4
13478863	4.49	3.88	1.53	0.051758	0.382313	AT4G37660	Ribosomal protein L12/ ATP-dependent Clp protease adaptor protein

13530680	4.49	3.97	1.44	0.033131	0.354018	CYP714A1	cytochrome P450, family 714, subfamily A, polypeptide 1
13545687	4.49	4.01	1.4	0.044325	0.374445	AT1G66345; ETR1	pentatricopeptide repeat-containing protein; ethylene receptor 1
13358369	4.49	4.02	1.38	0.042588	0.369544	AT1G72600; GER1	hydroxyproline-rich glycoprotein family protein; germin-like protein subfamily 3 member 1
13389676	4.49	4.08	1.33	0.113051	0.444281	AT1G79640	protein kinase domain-containing protein
13376190	4.49	4.16	1.26	0.216984	0.520001	AT1G43910	P-loop containing nucleoside triphosphate hydrolase-like protein
13346629	4.49	4.22	1.21	0.245355	0.535223	IMPL1	myo-inositol monophosphatase like 1
13509749	4.49	4.28	1.15	0.712028	0.810381	AT5G42670	Agenet domain-containing protein
13337452	4.49	4.34	1.11	0.620856	0.747466	NPQ1	Violaxanthin de-epoxidase
13514985	4.49	4.36	1.09	0.026907	0.340085		
13415799	4.49	4.38	1.08	0.591962	0.728016	PRORP1	proteinaceous RNase P 1
13480736	4.49	4.41	1.06	0.86165	0.913928	AT4G01880	methyltransferase
13466885	4.49	4.46	1.02	0.9579	0.975066	AT4G09890	hypothetical protein
13372749	4.49	4.51	-1.01	0.957177	0.974725	GALT1	beta-1,3-galactosyltransferase 15
13461376	4.49	4.52	-1.02	0.949653	0.96998	SPL15	squamosa promoter-binding-like protein 15
13488883	4.49	4.56	-1.05	0.916526	0.949591	AT4G24370; AT4G24350	hypothetical protein; phosphorylase family protein
13495765	4.49	4.74	-1.2	0.404177	0.608529	AT4G39560	F-box/kelch-repeat protein
13443292	4.49	4.77	-1.22	0.695498	0.799204	AT3G01450	ARM repeat-containing protein-like protein
13483958	4.49	4.79	-1.23	0.314477	0.568148	AT4G13370; AT4G13360	hypothetical protein; 3-hydroxyisobutyryl-CoA hydrolase-like protein 3
13372361	4.49	4.94	-1.36	0.19902	0.508467	AT1G25510	aspartyl protease-like protein
13432711	4.49	5.11	-1.53	0.451199	0.635865	AT3G24255	RNA-directed DNA polymerase (reverse transcriptase)-related protein
13393330	4.49	5.14	-1.57	0.165895	0.486235	KCS9	3-ketoacyl-CoA synthase 9
13508275	4.49	5.21	-1.64	0.040321	0.365622	AT5G39030	putative receptor-like protein kinase
13474825	4.49	5.57	-2.11	0.070544	0.407016	AT4G28703	cupin domain-containing protein
13367007	4.49	6.13	-3.11	0.003317	0.253459	PHR1	photolyase 1
13526112	4.48	2.81	3.17	0.020015	0.322692	AT5G14510	armadillo/beta-catenin-like repeat-containing protein
13436381	4.48	3.2	2.42	0.093726	0.430403	HSD3	hydroxysteroid dehydrogenase 3
13457976	4.48	3.8	1.6	0.254718	0.539965	AT3G49725	GTP-binding protein, HflX
13525530	4.48	3.81	1.59	0.246041	0.535608	RARE1	pentatricopeptide repeat-containing protein
13448826	4.48	3.87	1.53	0.114669	0.445848	AT3G13226	regulatory protein RecX family protein
13471380	4.48	3.91	1.48	0.109955	0.441206	AT4G20960	diaminohydroxyphosphoribosylaminopyrimidine deaminase / 5-amino-6-(5-phosphoribosylamino)uracil reductase
13450973	4.48	3.95	1.44	0.058118	0.392903	AT3G18670	ankyrin repeat-containing protein
13494092	4.48	3.99	1.41	0.083771	0.417946	ARO3	armadillo repeat-containing protein
13453972	4.48	4.08	1.33	0.503671	0.6678	AT3G26540	pentatricopeptide repeat-containing protein
13336856	4.48	4.11	1.3	0.176817	0.493215		
13340204	4.48	4.2	1.21	0.49046	0.658717	scpl50	serine carboxypeptidase-like 50
13341723	4.48	4.28	1.15	0.362967	0.588585	AT1G18440	Peptidyl-tRNA hydrolase
13542361	4.48	4.28	1.15	0.660299	0.775053	AT5G61990	pentatricopeptide repeat-containing protein
13471341	4.48	4.29	1.14	0.623109	0.748884	AT4G20740	pentatricopeptide repeat-containing protein
13426079	4.48	4.35	1.1	0.691294	0.796134	AT3G09430	hypothetical protein

13410913	4.48	4.36	1.09	0.764068	0.845569	AT2G20480	hypothetical protein
13480748	4.48	4.44	1.03	0.850323	0.905746	AT4G01897; AT4G01895	hypothetical protein; systemic acquired resistance (SAR) regulator protein NIMIN-1-like protein
13466015	4.48	4.45	1.02	0.938035	0.96262	AT4G05400	copper ion binding protein
13379987	4.48	4.47	1.01	0.954111	0.972623	AT1G55710	hypothetical protein
13366503	4.48	4.52	-1.03	0.491613	0.659429	ZIP4	zinc transporter 4 precursor
13496340	4.48	4.62	-1.1	0.311352	0.566973	AT5G01880; AT5G01881	RING-H2 finger protein ATL74; hypothetical protein
13469801	4.48	4.62	-1.11	0.589038	0.726681	AT4G17085	Putative membrane lipoprotein
13465606	4.48	4.76	-1.21	0.284902	0.556338	EMB2369	leucyl-tRNA synthetase
13533678	4.48	4.75	-1.21	0.199613	0.508965	AT5G39865	glutaredoxin-like protein
13437396	4.48	4.87	-1.32	0.33853	0.577393	AT3G49330	invertase/pectin methylesterase inhibitor family protein
13394778	4.48	4.94	-1.38	0.361382	0.5879	HXK2	hexokinase 2
13524819	4.48	5.02	-1.45	0.311506	0.566975	AT5G11470	bromo-adjacent homology (BAH) domain-containing protein
13458539	4.48	5.09	-1.53	0.00723	0.288531	AT3G51070	putative methyltransferase PMT27
13355311	4.48	5.11	-1.55	0.121824	0.452662	CYP89A6	cytochrome P450, family 87, subfamily A, polypeptide 6
13426406	4.48	5.13	-1.57	0.072338	0.408352	PAL4	phenylalanine ammonia-lyase 4
13503924	4.48	5.14	-1.58	0.18083	0.496366	BCB	blue copper protein
13353885	4.48	5.41	-1.91	0.615801	0.743948		
13404103	4.48	5.41	-1.91	0.615801	0.743948		
13390690	4.48	5.59	-2.16	0.250613	0.537865	AT2G02020	putative peptide/nitrate transporter
13405469	4.48	5.66	-2.26	0.099748	0.434356	AT2G45750	putative methyltransferase PMT16
13544930	4.48	6.76	-4.86	0.437123	0.627847		
13545047	4.48	6.76	-4.86	0.437123	0.627847		
13457061	4.47	3.37	2.14	0.042701	0.369746	AT3G47200	hypothetical protein
13396643	4.47	3.55	1.89	0.004233	0.262292	AT2G24395	chaperone protein dnaJ-related protein
13493014	4.47	3.72	1.68	0.081603	0.416797	ATNAP13	ABC transporter I family member 10
13368804	4.47	3.79	1.59	0.370402	0.591914	MYB58	myb domain protein 58
13399217	4.47	3.8	1.59	0.095673	0.431773	CLE5	protein CLAVATA3/ESR-related 5
13462332	4.47	3.86	1.53	0.117652	0.447676	AT3G60050	pentatricopeptide repeat-containing protein
13422084	4.47	3.88	1.5	0.344689	0.579681	LAC6	laccase 6
13409718	4.47	4	1.38	0.334483	0.576537	AT2G17556	hypothetical protein
13381150	4.47	4.04	1.35	0.05458	0.386003	AT1G59990	DEAD-box ATP-dependent RNA helicase 22
13379155	4.47	4.05	1.34	0.202798	0.510485	CID8	CTC-interacting domain 8 protein
13456132	4.47	4.05	1.34	0.201756	0.510189	AT3G44740	ATP binding / aminoacyl-tRNA ligase/ glycine-tRNA ligase/ nucleotide binding protein
13490648	4.47	4.08	1.31	0.327677	0.574416	AT4G28025	hypothetical protein
13362927	4.47	4.13	1.26	0.302222	0.563905	AT1G03830	guanylate-binding protein
13545541	4.47	4.15	1.24	0.761322	0.843636		
13457071	4.47	4.26	1.15	0.628103	0.751984	SELT	SelT-like protein
13444506	4.47	4.28	1.13	0.487309	0.656578	AT3G04310	hypothetical protein
13526725	4.47	4.39	1.06	0.893068	0.934218	PCME	prenylcysteine methylesterase
13336346	4.47	4.42	1.03	0.830563	0.892481	NTH2	endonuclease III
13413228	4.47	4.43	1.03	0.913998	0.947902	Iqd4	protein IQ-domain 4

13522313	4.47	4.49	-1.01	0.979557	0.987852	AT5G05430	RNA-binding protein
13438366	4.47	4.5	-1.03	0.935693	0.961077	AT3G52105	hypothetical protein
13437693	4.47	4.62	-1.11	0.759295	0.842374	OBP1	Dof zinc finger protein DOF3.4
13476049	4.47	4.63	-1.11	0.559794	0.705867	CTF7	N-acetyltransferase
13334945	4.47	4.69	-1.17	0.545951	0.696524	BXL2	beta-glucosidase
13538419	4.47	4.71	-1.18	0.682434	0.789686	AT5G51795	DNA/RNA-binding protein Kin17, conserved region-containing protein
13519593	4.47	4.73	-1.19	0.567806	0.711138	AT5G65120	hypothetical protein
13358648	4.47	4.75	-1.21	0.529853	0.686372	MYB54	myb domain protein 54
13369502	4.47	4.77	-1.23	0.211679	0.517085	CDKD1;3	cyclin-dependent kinase D-3
13533506	4.47	4.97	-1.41	0.478019	0.651036	EXPA25	expansin A25
13455233	4.47	5.03	-1.47	0.004967	0.268309	AT3G29680	HXXXD-type acyl-transferase-like protein
13377391	4.47	5.03	-1.48	0.708177	0.808033		
13477771	4.47	5.03	-1.48	0.708177	0.808033		
13364165	4.47	5.05	-1.49	0.496035	0.662501	AT1G06270	pentatricopeptide repeat-containing protein
13475091	4.47	5.21	-1.67	0.07501	0.410503	AT4G29110	hypothetical protein
13483085	4.47	5.2	-1.67	0.177274	0.493375	GH9C3	endoglucanase 19
13385282	4.47	5.69	-2.34	0.009971	0.296261	MES15	methyl esterase 15
13378165	4.47	5.79	-2.51	0.185223	0.499807	AT1G51400; NFU5	Photosystem II 5 kD protein; NifU-like protein 5
13492686	4.46	3.19	2.41	0.10309	0.435908	AT4G32950	putative protein phosphatase 2C 61
13515680	4.46	3.23	2.34	0.115918	0.446616	AT5G56200	C2H2 type zinc finger transcription factor-like protein
13512790	4.46	3.28	2.27	0.012185	0.301412	AT5G49770	putative leucine-rich repeat receptor-like protein kinase
13456355	4.46	3.53	1.91	0.094984	0.431354	AT3G45390	concanavalin A-like lectin kinase-like protein
13451262	4.46	3.58	1.84	0.05924	0.39493	FUT11	glycoprotein 3-alpha-L-fucosyltransferase A
13529653	4.46	3.73	1.66	0.052659	0.382994	AT5G22840; MGT10	protein kinase family protein; magnesium transporter MRS2-11
13485318	4.46	3.75	1.64	0.201648	0.510189	AT4G16240	hypothetical protein
13480348	4.46	3.82	1.56	0.035425	0.356116	MEE47	hypothetical protein
13520817	4.46	3.9	1.47	0.009298	0.296261	AT5G01390	putative DNAJ heat shock protein
13477104	4.46	3.94	1.43	0.290639	0.5586	AT4G33565	RING-finger domain-containing protein
13493751	4.46	3.95	1.42	0.600962	0.732944	AT4G35200	hypothetical protein
13521908	4.46	3.99	1.38	0.164187	0.485763	AT5G04310	pectate lyase family protein
13354058	4.46	4.08	1.31	0.33115	0.576012	AT1G61280	phosphatidylinositol N-acetylglucosaminyltransferase subunit P
13393337	4.46	4.08	1.3	0.408395	0.610666	AT2G16365	F-box protein
13489827	4.46	4.09	1.29	0.282664	0.555512	AT4G26310	elongation factor P (EF-P) family protein
13438551	4.46	4.13	1.26	0.010391	0.296261	PAD4	protein PHYTOALEXIN DEFICIENT 4
13479686	4.46	4.18	1.22	0.600344	0.732503	AT4G39700	heavy metal transport/detoxification domain-containing protein
13382626	4.46	4.24	1.17	0.358785	0.585867	AT1G63250	putative DEAD-box ATP-dependent RNA helicase 48
13500119	4.46	4.23	1.17	0.229809	0.52734	AT5G10970	C2H2 and C2HC zinc finger-containing protein
13402561	4.46	4.27	1.14	0.50243	0.666827	NF-YB1	nuclear transcription factor Y subunit B-1
13379069	4.46	4.29	1.12	0.23391	0.529404	AT1G53460	hypothetical protein
13345508	4.46	4.32	1.1	0.829997	0.89204	AT1G28250	hypothetical protein
13455089	4.46	4.42	1.03	0.065329	0.402005	AT3G29185	hypothetical protein

13340507	4.46	4.43	1.02	0.928951	0.956907	TRFL5	protein TRF-like 5
13418237	4.46	4.44	1.01	0.87776	0.924835	AT2G37600	60S ribosomal protein L36-1
13514642	4.46	4.44	1.01	0.939292	0.96355	AT5G53750	CBS domain-containing protein
13512259	4.46	4.53	-1.05	0.841459	0.900196	AT5G48590	hypothetical protein
13524337	4.46	4.61	-1.1	0.557447	0.704094	AT5G10400; AT1G09200; AT5G65360; AT5G10390; AT3G27360	histone H3
13456353	4.46	4.64	-1.13	0.654186	0.77044	AT3G45330	concanavalin A-like lectin kinase-like protein
13448605	4.46	4.7	-1.18	0.196517	0.507317	AT3G12870	hypothetical protein
13434542	4.46	4.71	-1.19	0.503219	0.667404	AT3G29230	pentatricopeptide repeat-containing protein
13499679	4.46	4.97	-1.42	0.156417	0.479127	AT5G09760	Putative pectinesterase/pectinesterase inhibitor 51
13443500	4.46	5.07	-1.53	0.040714	0.366076	AK3	aspartokinase 3
13416683	4.46	5.07	-1.54	0.343387	0.579024	AT2G34140	Dof zinc finger protein DOF2.3
13486861	4.46	5.18	-1.65	0.010114	0.296261	AT4G19370	hypothetical protein
13490882	4.46	5.37	-1.89	0.434936	0.626354	AT4G28564	hypothetical protein
13496053	4.46	5.38	-1.9	0.236859	0.530992	LAC10	laccase 10
13364409	4.46	5.43	-1.96	0.59775	0.731118		
13364411	4.46	5.43	-1.96	0.59775	0.731118		
13381402	4.46	5.43	-1.96	0.59775	0.731118		
13381564	4.46	5.43	-1.96	0.59775	0.731118		
13398916	4.46	5.43	-1.96	0.59775	0.731118		
13398918	4.46	5.43	-1.96	0.59775	0.731118		
13414923	4.46	5.43	-1.96	0.59775	0.731118		
13439121	4.46	5.43	-1.96	0.59775	0.731118		
13440878	4.46	5.43	-1.96	0.59775	0.731118		
13442413	4.46	5.43	-1.96	0.59775	0.731118		
13476548	4.46	5.43	-1.96	0.59775	0.731118		
13503306	4.46	5.43	-1.96	0.59775	0.731118		
13522994	4.46	5.43	-1.96	0.59775	0.731118		
13544462	4.46	5.43	-1.96	0.59775	0.731118		
13515927	4.46	5.79	-2.51	0.070127	0.406528	BGAL4	beta-galactosidase 4
13395165	4.46	6.1	-3.11	0.000204	0.180656	EXPB1	expansin B1
13467311	4.45	3.51	1.91	0.146938	0.470962	RDR2	RNA-dependent RNA polymerase 2
13494937	4.45	3.53	1.9	0.002037	0.253459	AT4G37900	hypothetical protein
13372304	4.45	3.55	1.86	0.004037	0.262292	AT1G25375	Metallo-beta-lactamase domain-containing protein
13349890	4.45	3.71	1.67	0.057844	0.39275	AT1G49245	Prefoldin chaperone subunit family protein
13366678	4.45	3.71	1.66	0.264825	0.545628	SD1-13	G-type lectin S-receptor-like serine/threonine-protein kinase SD1-13
13382999	4.45	3.74	1.64	0.099331	0.433926	AT1G64080	hypothetical protein
13532880	4.45	3.88	1.48	0.018423	0.321469	AT5G37340	ZPR1 zinc-finger domain protein
13359408	4.45	3.89	1.47	0.311614	0.566992	AT1G75335	hypothetical protein
13518786	4.45	3.92	1.44	0.220798	0.522049	FP3	farnesylated protein 3
13430663	4.45	4.14	1.24	0.410794	0.612058	AT3G19663	hypothetical protein
13426322	4.45	4.15	1.23	0.691793	0.796485	AT3G10120	hypothetical protein
13348524	4.45	4.2	1.19	0.356961	0.584844	AT1G42699	hypothetical protein
13420711	4.45	4.21	1.18	0.378116	0.594318	AT2G43260	F-box/kelch-repeat protein

13516505	4.45	4.24	1.16	0.370819	0.591914	PHOT2; AT5G58150	phototropin 2; probably inactive leucine-rich repeat receptor-like protein kinase
13520145	4.45	4.24	1.15	0.255354	0.540321	AT5G66360	Ribosomal RNA adenine dimethylase family protein
13413991	4.45	4.28	1.13	0.364186	0.589241	CKS1	cyclin-dependent kinases regulatory subunit 1
13475215	4.45	4.28	1.13	0.730997	0.823965	AT4G29400	hypothetical protein
13358570	4.45	4.29	1.12	0.465121	0.644046	AT1G73066	Leucine-rich repeat family protein
13540582	4.45	4.28	1.12	0.255504	0.540321	BIO1	adenosylmethionine-8-amino-7-oxononanoate aminotransferase
13539520	4.45	4.3	1.11	0.756823	0.840806	AT5G54910	DEAD-box ATP-dependent RNA helicase 32
13403950	4.45	4.33	1.09	0.639848	0.760123	AT2G41950	hypothetical protein
13481398	4.45	4.34	1.08	0.240533	0.53337	DFL2	auxin-responsive GH3 family protein
13450825	4.45	4.36	1.07	0.741202	0.829871	AT3G18310	hypothetical protein
13488234	4.45	4.38	1.05	0.869654	0.91894	NYE1	non-yellowing protein 1
13544650	4.45	4.49	-1.03	0.861806	0.913957	AT5G67265	hypothetical protein
13460897	4.45	4.54	-1.07	0.273445	0.549997	AT3G56770	putative transcription factor bHLH107
13506809	4.45	4.54	-1.07	0.836479	0.896681	AT5G28070	hypothetical protein
13399468	4.45	4.58	-1.09	0.567347	0.710969	AT2G31790	UDP-glucosyl transferase 74c1-like protein
13360292	4.45	4.6	-1.11	0.03274	0.353721	AT1G77630	LysM domain-containing GPI-anchored protein 2
13510021	4.45	4.64	-1.13	0.284986	0.556338	ARP9	actin-related protein 9
13479952	4.45	4.64	-1.14	0.265404	0.545915	LBD31	LOB domain-containing protein 31
13534448	4.45	4.67	-1.16	0.192252	0.505352	BG_PPAP	glucan endo-1,3-beta-glucosidase 10
13368493	4.45	4.69	-1.18	0.053574	0.383984	GA3OX1	gibberellin 3-beta-dioxygenase 1
13464877	4.45	4.8	-1.27	0.397291	0.604224	AT4G02360	hypothetical protein
13541798	4.45	4.81	-1.28	0.434035	0.625808	AT5G60800	heavy metal transport/detoxification domain-containing protein
13516961	4.45	5.04	-1.5	0.372572	0.592018	AT5G59250	D-xylose-proton symporter-like 3
13483384	4.45	5.07	-1.53	0.068559	0.406403	AT4G11870	hypothetical protein
13478537	4.45	5.08	-1.55	0.219848	0.521702	RAP2.10	ethylene-responsive transcription factor RAP2-10
13335709	4.45	5.38	-1.9	0.599553	0.731926		
13368368	4.45	5.49	-2.06	0.113698	0.444631	ATHSRP54A	Signal recognition particle protein 1
13426592	4.45	5.96	-2.85	0.078914	0.414078	RHS12	pectinesterase 24
13533592	4.45	6.63	-4.55	0.011273	0.297771	AT5G39580	peroxidase 62
13475000	4.45	6.79	-5.08	0.014661	0.313095	AT4G28940	Phosphorylase-like protein protein
13414040	4.44	2.45	3.97	0.011432	0.297771		
13369090	4.44	3.29	2.22	0.044322	0.374445	RLP3	receptor like protein 3
13494331	4.44	3.56	1.83	0.124708	0.453788	AT4G36470	S-adenosyl-L-methionine-dependent methyltransferase-like protein
13422476	4.44	3.73	1.64	0.032875	0.354018	AT2G47670	plant invertase/pectin methylesterase inhibitor domain-containing protein
13366799	4.44	3.81	1.55	0.038964	0.364658	MED32	hypothetical protein
13494078	4.44	3.82	1.54	0.053546	0.383984	AT4G36000	pathogenesis-related thaumatin family protein
13352183	4.44	3.86	1.5	0.000102	0.153934	AT1G54680	hypothetical protein
13502961	4.44	3.87	1.49	0.104767	0.437078	AT5G18390	pentatricopeptide repeat-containing protein

13482343	4.44	3.87	1.48	0.018992	0.321499	AT4G08790	Nitrilase/cyanide hydratase and apolipoprotein N-acyltransferase family protein
13505177	4.44	3.88	1.48	0.177194	0.493375	MIND	septum site-determining protein (MIND)
13389968	4.44	3.9	1.45	0.17202	0.489678	AT1G80210; AT1G80200	BRCA1/BRCA2-containing complex subunit 3; hypothetical protein
13424956	4.44	4.06	1.31	0.079134	0.414078	AT3G06270	putative protein phosphatase 2C 35
13389113	4.44	4.14	1.23	0.367173	0.590549	AT1G78810	hypothetical protein
13530937	4.44	4.16	1.22	0.560228	0.706213	AT5G25640	Rhomboid-related intramembrane serine protease family protein
13408055	4.44	4.16	1.21	0.443845	0.631825	AT2G05910	LURP-one-related 6 protein
13510922	4.44	4.17	1.21	0.210339	0.515531	AT5G45550	maintenance of ploidy protein MOB1 (MPS1 binder 1)
13450189	4.44	4.26	1.13	0.560371	0.706252	UGT88A1	UDP-glucosyl transferase 88A1
13477942	4.44	4.31	1.09	0.754733	0.839526	AT4G35410	AP-1 complex subunit sigma-2
13415514	4.44	4.39	1.04	0.888806	0.931997	ATX1	histone-lysine N-methyltransferase ATX1
13472868	4.44	4.4	1.03	0.81537	0.881934	AT4G24350; AT4G24370	phosphorylase family protein; hypothetical protein
13427403	4.44	4.42	1.01	0.94907	0.969593	AT3G12930	Lojap-related protein
13444684	4.44	4.43	1.01	0.884295	0.929491	RPSAb	40S ribosomal protein Sa-2
13507925	4.44	4.49	-1.04	0.882866	0.928609	AT5G38050	RNA polymerase II transcription elongation factor
13452631	4.44	4.61	-1.13	0.787711	0.862418	AT3G22570	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13340063	4.44	4.63	-1.14	0.587371	0.725595	AT1G14480	Ankyrin repeat family protein
13531545	4.44	4.63	-1.14	0.580981	0.720723	AT5G27660	putative protease Do-like 14
13456713	4.44	4.66	-1.17	0.602131	0.733713	AT3G46310	hypothetical protein
13463330	4.44	4.73	-1.22	0.171368	0.489309	AT3G62590	lipase class 3 family protein
13486943	4.44	4.77	-1.26	0.350846	0.582019	AT4G19520	TIR-NBS-LRR class disease resistance protein
13405238	4.44	4.91	-1.38	0.325249	0.573176	CDS4	cytidinediphosphate diacylglycerol synthase 4
13387415	4.44	5.07	-1.54	0.06396	0.400418	PTAC2	plastid transcriptionally active 2
13509085	4.44	5.11	-1.59	0.479299	0.651723	PUP12	putative purine permease 12
13436294	4.44	5.31	-1.83	0.343028	0.579024	AT3G46990	hypothetical protein
13377156	4.44	5.36	-1.9	0.455353	0.638525	AT1G48700	oxidoreductase
13475608	4.44	5.43	-1.98	0.029075	0.347859	BRS1	carboxypeptidase D
13502157	4.44	5.61	-2.26	0.057688	0.39275	AT5G16170	Core-2/I-branching beta-1,6-N-acetylglucosaminyltransferase family protein
13422612	4.44	5.71	-2.41	0.06902	0.406403	AT2G48030	endonuclease/exonuclease/phosphatase domain-containing protein
13528920	4.44	5.78	-2.53	0.001367	0.242634	AT5G20860	Putative pectinesterase/pectinesterase inhibitor 54
13342869	4.44	5.8	-2.56	0.048014	0.37767	AT1G21140	Vacuolar iron transporter-like protein
13365663	4.43	3.38	2.08	0.104716	0.437012	AT1G09440	protein kinase family protein
13338459	4.43	3.48	1.94	0.026494	0.338732	AT1G10610	transcription factor bHLH90
13517085	4.43	3.75	1.6	0.225398	0.524988	RTFL5	protein rotundifolia like 5
13382491	4.43	3.78	1.57	0.06726	0.405555	ACS10; AT1G62950	putative aminotransferase ACS10; putative leucine-rich repeat transmembrane protein kinase

13356230	4.43	3.89	1.45	0.126741	0.456331	AT1G67660	Restriction endonuclease, type II-like protein
13391753	4.43	4.02	1.33	0.158809	0.481364	AT2G05140	phosphoribosylaminoimidazole carboxylase-like protein
13493506	4.43	4.04	1.31	0.349509	0.581308	THY-2	thymidylate synthase
13486237	4.43	4.06	1.29	0.043645	0.372891	AT4G17740; SYP23	Peptidase S41 family protein; syntaxin-23
13374315	4.43	4.14	1.23	0.020592	0.324125	AT1G30960	GTP-binding protein ERG
13455057	4.43	4.15	1.21	0.497815	0.663761	AT3G29130	hypothetical protein
13431483	4.43	4.2	1.17	0.589381	0.726742	AT3G21420	oxidoreductase, 2OG-Fe(II) oxygenase family protein
13401236	4.43	4.23	1.16	0.094394	0.430944		
13454297	4.43	4.21	1.16	0.672884	0.783136	AT3G27180; CLC-B	S-adenosylmethionine-dependent methyltransferase-domain containing protein; chloride channel protein CLC-b
13529630	4.43	4.21	1.16	0.497547	0.663564	EMB1030	alanyl-tRNA synthetase
13460270	4.43	4.38	1.04	0.911591	0.946356	AT3G55060	hypothetical protein
13422861	4.43	4.4	1.02	0.738659	0.828482	CYP38	peptidyl-prolyl cis-trans isomerase CYP38
13353828	4.43	4.41	1.01	0.969349	0.982139	AT1G60650	RNA recognition motif-containing protein
13542416	4.43	4.48	-1.04	0.888128	0.931539	AT5G62130	Per1-like family protein
13533660	4.43	4.51	-1.05	0.746222	0.83337	AT5G39790	5'-AMP-activated protein kinase-like protein
13529045	4.43	4.54	-1.07	0.774758	0.853302	FBX2	F-box protein 2
13417421	4.43	4.9	-1.38	0.425648	0.620603	AT2G35910	RING-H2 finger protein ATL70
13351468	4.43	5.03	-1.51	0.197852	0.507784	AT1G53070	legume lectin-like protein
13442190	4.43	5.1	-1.59	0.121214	0.45228	AT3G61320	Bestrophin-like protein
13398367	4.43	5.12	-1.61	0.403512	0.608023	AT2G28671; AT2G28670	hypothetical protein; Disease resistance-responsive (dirigent-like protein) family protein
13438291	4.43	5.2	-1.7	0.115076	0.446247	AT3G51990	serine/threonine-protein kinase-like protein
13456146	4.43	5.26	-1.77	0.348821	0.58093	AT3G44785	Zinc finger C-x8-C-x5-C-x3-H type family protein
13458752	4.43	5.33	-1.86	0.002686	0.253459	AT3G51660	macrophage migration inhibitory factor family protein
13490390	4.43	5.33	-1.87	0.005232	0.271751	AT4G27480	Core-2/I-branching beta-1,6-N-acetylglucosaminyltransferase family protein
13460001	4.43	5.52	-2.12	0.267879	0.546492	AT3G54580	Proline-rich extensin-like family protein
13427922	4.43	5.79	-2.55	0.076904	0.411576	AT3G13950	hypothetical protein
13386757	4.43	6.66	-4.7	0.008853	0.293015	KTI1	kunitz trypsin inhibitor 1
13339784	4.42	3.35	2.1	0.15938	0.481801	AT1G13820	alpha/beta-hydrolase-like protein
13478273	4.42	3.38	2.06	0.100373	0.434607	bHLH11	transcription factor bHLH11
13385116	4.42	3.72	1.63	0.146231	0.470765	AT1G68862	hypothetical protein
13403981	4.42	3.76	1.58	0.002256	0.253459	AT2G42130	putative plastid-lipid-associated protein 13
13490600	4.42	3.79	1.55	0.165309	0.485944	AT4G27840	SNARE-like family protein
13505672	4.42	3.8	1.54	0.031314	0.351689	AT5G25450	ubiquinol-cytochrome c reductase subunit 7
13399215	4.42	3.82	1.51	0.060843	0.396781	CLE7	protein CLAVATA3/ESR-related 7
13438181	4.42	3.84	1.49	0.070454	0.406937	AT3G51640	hypothetical protein
13516892	4.42	3.87	1.46	0.124549	0.453788	GIL1	hypothetical protein
13401425	4.42	3.91	1.42	0.508291	0.671222	AT2G36170; UBQ1	60S ribosomal protein L40-2
13353195	4.42	4.02	1.33	0.222527	0.523798	RLP9	receptor like protein 9
13514829	4.42	4	1.33	0.082935	0.417856	AT5G54165	hypothetical protein
13356326	4.42	4.11	1.24	0.007729	0.290374	AT1G67820	putative protein phosphatase 2C 14
13373312	4.42	4.14	1.21	0.151107	0.473698	AT1G28395	hypothetical protein

13366107	4.42	4.16	1.2	0.656705	0.772393	AT1G10340	ankyrin repeat-containing protein
13350756	4.42	4.27	1.11	0.636854	0.758435	AT1G51370	F-box/FBD/LRR-repeat protein
13504280	4.42	4.28	1.1	0.381377	0.596438	CKX7	cytokinin dehydrogenase 7
13479545	4.42	4.29	1.09	0.183413	0.498183	UBP27	ubiquitin carboxyl-terminal hydrolase 27
13354015	4.42	4.33	1.06	0.8394	0.898767	AT1G61230	jacalin-like lectin domain-containing protein
13496818	4.42	4.34	1.05	0.746792	0.83384	AT5G03080	dolichyldiphosphatase
13397055	4.42	4.4	1.01	0.924628	0.954551	AT2G25580	pentatricopeptide repeat-containing protein
13527212	4.42	4.46	-1.03	0.538478	0.691496	AT5G17010	D-xylose-proton symporter-like 2
13521770	4.42	4.52	-1.07	0.495119	0.661772	IQD12	IQ-domain 12 protein
13456836	4.42	4.67	-1.18	0.413633	0.613917	AT3G46666	hypothetical protein
13444965	4.42	4.76	-1.26	0.391182	0.600674	ATN	cyclin family protein
13518819	4.42	4.84	-1.34	0.476207	0.649834	FLS2	flavonol synthase 2
13435367	4.42	4.89	-1.39	0.273261	0.54985	AT3G44220	late embryogenesis abundant hydroxyproline-rich glycoprotein
13524860	4.42	4.95	-1.44	0.156236	0.478985	AT5G11550	ARM repeat-containing protein-like protein
13524213	4.42	5.05	-1.55	0.297727	0.562453	ANNAT7	annexin D7
13410456	4.42	5.15	-1.66	0.10035	0.434607	AT2G19660	cysteine/histidine-rich C1 domain-containing protein
13453963	4.42	5.25	-1.78	0.125028	0.454106	AT3G26511	hypothetical protein
13378833	4.42	5.5	-2.11	0.035183	0.355472	CDT1	cadmium tolerance 1
13387633	4.42	5.65	-2.35	0.21204	0.517359	DHAR2	glutathione S-transferase DHAR2
13457482	4.42	5.84	-2.66	0.004766	0.26592	AT3G48450	RPM1-interacting protein 4 (RIN4)
13397862	4.41	3.43	1.97	0.017741	0.319218	AT2G27480	putative calcium-binding protein CML48
13378148	4.41	3.45	1.94	0.191443	0.504474	AT1G51310	tRNA (5-methylaminomethyl-2-thiouridylate)-methyltransferase
13482882	4.41	3.76	1.57	0.17487	0.491983	UBP9	ubiquitin carboxyl-terminal hydrolase 10
13381572	4.41	3.79	1.54	0.105128	0.43719	ATRPAC42	DNA-directed RNA polymerase subunit
13535752	4.41	3.86	1.47	0.421538	0.618047		
13353284	4.41	3.93	1.4	0.314069	0.568024	XW6	40S ribosomal protein S2-1
13430965	4.41	3.93	1.39	0.125509	0.454739	AT3G20240	Mitochondrial substrate carrier family protein
13517606	4.41	3.93	1.39	0.324	0.572935	AT5G60680	hypothetical protein
13497649	4.41	4.02	1.31	0.03715	0.360541	AT5G04895	DEA(D/H)-box RNA helicase family protein
13504794	4.41	4.07	1.27	0.621295	0.747757	AT5G23200	hypothetical protein
13491561	4.41	4.07	1.26	0.030653	0.350098	GAE1	UDP-D-glucuronate 4-epimerase 1
13453928	4.41	4.07	1.26	0.168181	0.487067	AT3G26480; AT3G26470	transducin/WD40 domain-containing protein; RPW8 domain-containing powdery mildew resistance protein
13545413	4.41	4.08	1.26	0.742831	0.831077		
13482358	4.41	4.1	1.24	0.103437	0.436198	AT4G08850	Leucine-rich repeat-containing protein
13533294	4.41	4.1	1.24	0.051754	0.382313	AT5G38550	jacalin lectin family protein
13442197	4.41	4.15	1.19	0.364038	0.589155	SKIP4; AT3G61360	SKP1 interacting partner 4; pentatricopeptide repeat-containing protein
13497560	4.41	4.17	1.18	0.450497	0.635781	BIOF	8-amino-7-oxononanoate synthase
13385293	4.41	4.19	1.16	0.415218	0.614362	AT1G69280; AT1G69290	hypothetical protein; pentatricopeptide repeat-containing protein
13489349	4.41	4.19	1.16	0.33513	0.576654	AT4G25260	plant invertase/pectin methylesterase inhibitor domain-containing protein
13499143	4.41	4.19	1.16	0.520666	0.679366	AT5G08270	hypothetical protein

13442096	4.41	4.23	1.14	0.192996	0.505638	HDG1	homeobox-leucine zipper protein HDG1
13433582	4.41	4.28	1.09	0.738154	0.828222	ERF1-3	peptide chain release factor eRF subunit 1
13466211	4.41	4.29	1.09	0.219293	0.521439		
13383750	4.41	4.48	-1.05	0.823117	0.886857	AT1G65920	Regulator of chromosome condensation (RCC1) family with FYVE zinc finger domain
13432067	4.41	4.49	-1.06	0.813572	0.880746	CFM3A	CRM family member 3A
13357647	4.41	4.51	-1.07	0.794993	0.867731	HB18	homeobox-leucine zipper protein ATHB-X
13458654	4.41	4.53	-1.09	0.625087	0.74989	AT3G51350	aspartyl protease family protein
13358984	4.41	4.62	-1.16	0.60129	0.733158	AT1G74055	hypothetical protein
13544393	4.41	4.64	-1.17	0.551476	0.70053	AT5G66600	hypothetical protein
13483450	4.41	4.73	-1.25	0.222374	0.523514	AT4G12000	SNARE associated Golgi family protein
13335471	4.41	4.74	-1.26	0.09701	0.433165	AT1G03905	ABC transporter I family member 19
13450062	4.41	4.77	-1.28	0.005703	0.279573	MFP1	MAR-binding filament-like protein 1
13411249	4.41	4.92	-1.42	0.062207	0.398248	AT2G21185	hypothetical protein
13404550	4.41	5.05	-1.56	0.449532	0.635283	AT2G43530	defensin-like protein 194
13429067	4.41	5.07	-1.58	0.217643	0.520626	AT3G16330	hypothetical protein
13508681	4.41	5.06	-1.58	0.243199	0.534289	SIP1	putative galactinol--sucrose galactosyltransferase 5
13387582	4.41	5.08	-1.59	0.287113	0.557153	AT1G75150	hypothetical protein
13424481	4.41	5.2	-1.73	0.155985	0.478792	AT3G05170	phosphoglycerate mutase-like protein
13468983	4.41	5.26	-1.81	0.03408	0.354099	CYP705A2	cytochrome P450, family 705, subfamily A, polypeptide 2
13495711	4.41	5.29	-1.84	0.291715	0.559371	WRKY13	putative WRKY transcription factor 13
13453900	4.41	5.5	-2.12	0.103766	0.436308	AT3G26350	hypothetical protein
13356917	4.41	5.52	-2.16	0.038443	0.363842	AFP1	Ninja-family protein AFP1
13359816	4.41	6.33	-3.79	0.020861	0.324125	AT1G76520	auxin efflux carrier-like protein
13363892	4.4	2.8	3.04	0.157323	0.479961	AT1G05575	hypothetical protein
13534997	4.4	3.4	2	0.048853	0.377942	AT5G43590	acyl transferase/acyl hydrolase/lysophospholipase-like protein
13503366	4.4	3.57	1.78	0.034993	0.355472	AT5G19210	DEAD-box ATP-dependent RNA helicase 58
13542960	4.4	3.73	1.59	0.096801	0.43273	AT5G63520	hypothetical protein
13528015	4.4	3.74	1.58	0.060143	0.395762	RUK	Protein kinase family protein with ARM repeat domain
13351492	4.4	3.83	1.48	0.188312	0.50257	AT1G53120	RNA-binding S4 domain-containing protein
13508008	4.4	3.94	1.37	0.032937	0.354018	AT5G38290	chloroplastic group IIB intron splicing facilitator CRS2-A
13439501	4.4	3.95	1.37	0.094928	0.431309	AT3G54826	Zim17-type zinc finger protein
13393589	4.4	4.08	1.25	0.353106	0.583563	AT2G17030	F-box protein SKIP23
13340571	4.4	4.29	1.09	0.883474	0.928907	AT1G15890	CC-NBS-LRR class disease resistance protein
13353682	4.4	4.29	1.08	0.751832	0.8374	ARL2	chaperone protein dnaJ 39
13349090	4.4	4.42	-1.01	0.956715	0.974443	CYCA3;2	cyclin-A3-2
13544817	4.4	4.46	-1.04	0.674729	0.784469	AT5G67640	hypothetical protein
13370566	4.4	4.54	-1.1	0.729499	0.822828	AT1G20720	RAD3-like DNA-binding helicase protein
13456633	4.4	4.64	-1.18	0.069842	0.406403	HRS1	Histidyl-tRNA synthetase 1
13449677	4.4	4.66	-1.19	0.131154	0.461047	HPY2	E3 SUMO-protein ligase MMS21
13499313	4.4	4.66	-1.2	0.191341	0.504418	AT5G08510	pentatricopeptide repeat-containing protein
13455879	4.4	4.72	-1.25	0.175222	0.492147	AT3G43970	hypothetical protein

13334298	4.4	4.78	-1.3	0.387217	0.598681	HTR12	histone H3
13381307	4.4	4.92	-1.44	0.046337	0.377124	AT1G60360	RING/U-box domain-containing protein
13534485	4.4	5.31	-1.88	0.193673	0.505856	AT5G42280	cysteine/histidine-rich C1 domain-containing protein
13525829	4.4	5.37	-1.96	0.129639	0.459736	AT5G13900	Lipid transfer-like protein VAS
13398374	4.4	5.55	-2.22	0.223243	0.524399	AT2G28720	histone H2B
13343614	4.4	5.58	-2.28	0.333984	0.576298	AT1G22890	hypothetical protein
13502855	4.39	3.23	2.23	0.018694	0.321499	AT5G18065	hypothetical protein
13413721	4.39	3.35	2.05	0.093405	0.430253	AT2G27290	hypothetical protein
13506510	4.39	3.51	1.83	0.051511	0.382129	AT5G27560	hypothetical protein
13343334	4.39	3.53	1.81	0.047466	0.37767	ZYP1b	synaptonemal complex protein 2
13502926	4.39	3.63	1.69	0.000135	0.167423	AT5G18210; AT5G18220	Rossmann-fold NAD(P)-binding domain-containing protein; O-Glycosyl hydrolases family 17 protein
13504287	4.39	3.65	1.68	0.079847	0.414251	AT5G21900	RNI-like family protein-like protein
13522186	4.39	3.8	1.51	0.229471	0.526993	AT5G05060	cystatin/monellin-related protein
13440708	4.39	3.86	1.45	0.024921	0.33454	AT3G57810	Cysteine proteinases-like protein
13410230	4.39	3.96	1.35	0.097338	0.433165	AT2G19120	tRNA-splicing endonuclease positive effector-related protein
13523503	4.39	3.97	1.34	0.322212	0.571523	AT5G08305	pentatricopeptide repeat (PPR) family protein
13450881	4.39	4.01	1.31	0.272872	0.549686	MSH2	DNA mismatch repair protein Msh2
13366636	4.39	4.01	1.3	0.380066	0.595571	AT1G11280	S-locus lectin protein kinase-like protein
13404283	4.39	4.02	1.29	0.533409	0.688042	AT2G42950	Magnesium transporter CorA-like family protein
13339513	4.39	4.04	1.28	0.476746	0.650261	AT1G13040	pentatricopeptide repeat-containing protein
13522249	4.39	4.05	1.26	0.263616	0.544692	AT5G05240	hypothetical protein
13383805	4.39	4.17	1.17	0.53643	0.689889	VIM4; VIM2; VIM3	putative E3 ubiquitin-protein ligase ORTHRUS 4; E3 ubiquitin-protein ligase ORTHRUS 5; E3 ubiquitin-protein ligase ORTHRUS 1
13409181	4.39	4.21	1.13	0.512589	0.673965	PMT1	polyol/monosaccharide transporter 1
13490319	4.39	4.23	1.12	0.31718	0.568791	AT4G27340	Met-10+ like family protein
13381476	4.39	4.28	1.07	0.612106	0.741325	AT1G60700	SMAD/FHA domain-containing protein
13508692	4.39	4.41	-1.01	0.974221	0.984938	AT5G40405	pentatricopeptide repeat-containing protein
13522954	4.39	4.48	-1.06	0.738432	0.828387	AT5G07020	proline-rich family protein
13335205	4.39	4.48	-1.07	0.686234	0.792414	AT1G03180	hypothetical protein
13357214	4.39	4.5	-1.07	0.543341	0.694489	AT1G69910	protein kinase domain-containing protein
13401988	4.39	4.5	-1.08	0.691678	0.796384	AT2G37470	histone H2B
13499175	4.39	4.54	-1.1	0.384578	0.597873	ATSTE14B	protein-S-isoprenylcysteine O-methyltransferase B
13408088	4.39	4.54	-1.11	0.693517	0.797827	OPR3	12-oxophytodienoate reductase 3
13512121	4.39	4.54	-1.11	0.574582	0.716032	AT5G48330	regulator of chromosome condensation repeat-containing protein
13502310	4.39	4.55	-1.12	0.420732	0.617625	LRR1	putative inactive receptor kinase
13376588	4.39	4.7	-1.24	0.418528	0.616426	AT1G47340	F-box protein
13505181	4.39	4.82	-1.35	0.207946	0.513672	AT5G24100	leucine-rich repeat protein kinase-like protein
13366741	4.39	4.97	-1.5	0.04896	0.377942	XTH8	xyloglucan:xyloglucosyl transferase

13496213	4.39	5.02	-1.55	0.589486	0.726742	LECRKA4.1	Lectin-domain containing receptor kinase A4.1
13463321	4.39	5.18	-1.73	0.413787	0.614016	AT3G62470	pentatricopeptide repeat-containing protein
13378194	4.39	5.29	-1.87	0.142178	0.468311	CER5	ABC transporter G family member 12
13416597	4.39	5.46	-2.11	0.095829	0.431773	AT2G34020	calcium-binding EF-hand-containing protein
13493287	4.39	5.98	-3	0.234618	0.529692	AT4G33930	glycine-rich protein
13392209	4.39	6.31	-3.77	0.342667	0.579024	AT2G07749; AT2G07798; ArthMp096	Mitovirus RNA-dependent RNA polymerase; hypothetical protein
13453214	4.38	2.99	2.62	0.132438	0.462428	AMT1;3	ammonium transporter 1;3
13531309	4.38	3.36	2.03	0.020144	0.322692	AT5G26770	hypothetical protein
13450811	4.38	3.58	1.73	0.070507	0.406965	AT3G18260	reticulon-like protein B9
13434692	4.38	3.62	1.69	0.325764	0.573485	AT3G29970	B12D protein
13426692	4.38	3.71	1.59	0.064826	0.401596	DREB2B	dehydration-responsive element-binding protein 2B
13384193	4.38	3.79	1.5	0.061275	0.398106	AT1G67050	hypothetical protein
13400372	4.38	3.84	1.45	0.173912	0.490907	AT2G33680	pentatricopeptide repeat-containing protein
13414925	4.38	3.84	1.45	0.061422	0.398106	AT2G30460	Nucleotide/sugar transporter family protein
13456367	4.38	3.84	1.45	0.361236	0.5879	AT3G45443	hypothetical protein
13488111	4.38	3.88	1.42	0.023708	0.331326	AT4G22580	Exostosin family protein
13426589	4.38	3.91	1.38	0.01957	0.322448	AT3G10680	heat shock-related protein
13524007	4.38	3.92	1.37	0.046722	0.377465	AT5G09770	Ribosomal protein L17 family protein
13379625	4.38	3.96	1.34	0.283146	0.555735	AT1G54650	Methyltransferase family protein
13415626	4.38	3.95	1.34	0.103276	0.435969	AT2G31840	TRX fold-containing protein
13424006	4.38	3.97	1.33	0.295781	0.561217	AT3G04020	hypothetical protein
13449491	4.38	3.98	1.32	0.382202	0.596998	AT3G14510	geranylgeranyl diphosphate synthase, type II
13386119	4.38	4.01	1.29	0.73386	0.825823	AGL12	agamous-like MADS-box protein AGL12
13485126	4.38	4.08	1.23	0.053416	0.383838	AT4G15810	GTP binding protein
13509854	4.38	4.09	1.23	0.118443	0.448631	AT5G42840	cysteine/histidine-rich C1 domain-containing protein
13336915	4.38	4.09	1.22	0.089155	0.426142	RPL4	50S ribosomal protein L4
13452179	4.38	4.1	1.22	0.537066	0.690462	AT3G21300	RNA methyltransferase family protein
13542061	4.38	4.11	1.2	0.523444	0.681464	AT5G61280	Remorin family protein
13438709	4.38	4.23	1.11	0.525741	0.683118	AT3G52950	CBS / octicosapeptide/Phox/Bemp1 domain-containing protein
13363732	4.38	4.25	1.1	0.732536	0.82521	AT1G05310	putative pectinesterase 8
13477474	4.38	4.27	1.08	0.790526	0.864375	AT4G34360	S-adenosyl-L-methionine-dependent methyltransferase-like protein
13399827	4.38	4.48	-1.07	0.686452	0.79257	AXL	amyloid beta precursor protein binding protein 1
13411478	4.38	4.48	-1.07	0.649624	0.766933	AT2G21860	violaxanthin de-epoxidase-related protein
13459560	4.38	4.54	-1.11	0.584044	0.723023	AT3G53680	Acyl-CoA N-acyltransferase with RING/FYVE/PHD-type zinc finger domain-containing protein
13442913	4.38	4.56	-1.13	0.798997	0.870706	OTP86	pentatricopeptide repeat-containing protein
13439117	4.38	4.57	-1.14	0.079627	0.414219	AT3G53950	glyoxal oxidase-related protein
13416840	4.38	4.64	-1.2	0.608695	0.738657	PTAC12	plastid transcriptionally active 12
13487996	4.38	4.72	-1.26	0.210323	0.515531	AT4G22320	hypothetical protein
13381566	4.38	4.78	-1.32	0.290834	0.558747	AT1G60830	RNA recognition motif-containing protein
13383728	4.38	4.87	-1.41	0.090076	0.427018	AT1G65900	hypothetical protein

13360341	4.38	4.89	-1.42	0.080808	0.41589	AT1G77765; AT1G77770	hypothetical protein
13444135	4.38	5.13	-1.67	0.199605	0.508965	AT3G03550	RING-H2 finger protein ATL51
13341660	4.38	5.27	-1.86	0.079806	0.414251	AT1G18180	hypothetical protein
13413757	4.38	5.8	-2.67	0.014415	0.313095	AT2G27370	hypothetical protein
13500182	4.38	6.79	-5.3	0.016029	0.315398	SPS2F	sucrose phosphate synthase 2F
13425275	4.37	3.15	2.32	0.166627	0.486784	AT3G06920	pentatricopeptide repeat-containing protein
13473890	4.37	3.36	2	0.160138	0.482731	AT4G26540	putative LRR receptor-like serine/threonine-protein kinase
13412738	4.37	3.44	1.91	0.114794	0.446051	AT2G25300	putative beta-1,3-galactosyltransferase 9
13496280	4.37	3.44	1.9	0.207413	0.513526		
13528861	4.37	3.48	1.86	0.001187	0.242634	AT5G20820	SAUR-like auxin-responsive protein family
13526709	4.37	3.55	1.76	0.146751	0.470962	AT5G15802	hypothetical protein
13415548	4.37	3.62	1.68	0.034093	0.354099	AT2G31710	Vacuolar ATPase assembly integral membrane protein VMA21-like domain
13496775	4.37	3.68	1.61	0.094549	0.431058	AT5G02910	F-box/LRR-repeat protein
13341520	4.37	3.7	1.6	0.261313	0.543266	VPS46.1	vacuolar protein sorting 46.1
13410710	4.37	3.71	1.59	0.126183	0.455497	PIL5; AT2G20170	transcription factor PIF1; hypothetical protein
13429640	4.37	3.71	1.58	0.193695	0.505856	AT3G17670	tetratricopeptide repeat-containing protein
13505508	4.37	3.71	1.58	0.052015	0.382443	CYP71B12	cytochrome P450 71B12
13425314	4.37	3.76	1.52	0.049184	0.378316	emb1974	NHL domain-containing protein
13342424	4.37	3.81	1.47	0.240472	0.533359	AT1G19980	cytomatrix protein-like protein
13367656	4.37	3.81	1.47	0.448928	0.635124	DRL1	protein KTI12-like protein
13420336	4.37	3.89	1.39	0.190964	0.504187	AT2G42395	hypothetical protein
13440853	4.37	3.96	1.33	0.2505	0.537742	XIJ	P-loop containing nucleoside triphosphate hydrolase-like protein
13346822	4.37	3.99	1.3	0.327935	0.574416	CYP97A3	cytochrome P450, family 97, subfamily A, polypeptide 3
13435435	4.37	4.03	1.27	0.414773	0.614208	HIRA	protein HIRA/HIR1
13516158	4.37	4.04	1.26	0.315014	0.568201	AT5G57310	hypothetical protein
13442566	4.37	4.07	1.23	0.671438	0.782049	AT3G62130	epimerase-related protein
13364896	4.37	4.15	1.16	0.525022	0.682557	ATMPK13	mitogen-activated protein kinase 13
13540542	4.37	4.19	1.13	0.862612	0.91444	AT5G57510	hypothetical protein
13473946	4.37	4.3	1.05	0.17855	0.494539	FIM1	fimbrin 1
13386191	4.37	4.34	1.02	0.897763	0.936817	AT1G71850	ubiquitin carboxyl-terminal hydrolase-like protein
13530908	4.37	4.33	1.02	0.641813	0.761281	AT5G25590	hypothetical protein
13383638	4.37	4.43	-1.05	0.630763	0.754223	SMP1	Pre-mRNA-splicing factor SLU7-A
13488602	4.37	4.5	-1.09	0.846604	0.903299	AT4G23515	Toll-Interleukin-Resistance domain-containing protein
13449734	4.37	4.59	-1.16	0.397018	0.604224	SPA3	ubiquitin-protein ligase RFWD2
13535456	4.37	4.61	-1.18	0.668079	0.779512	MCM6	minichromosome maintenance protein 6
13536564	4.37	4.66	-1.22	0.501724	0.666234	AT5G47500	putative pectinesterase 68
13449687	4.37	4.67	-1.23	0.34241	0.579015	AT3G15200; AT3G15190	pentatricopeptide repeat-containing protein; 30S ribosomal protein S20
13335347	4.37	4.89	-1.44	0.380683	0.596105	AT1G03440	leucine-rich repeat-containing protein
13372189	4.37	4.9	-1.44	0.421179	0.617806	AT1G24822; AT1G25097; AT1G24996	hypothetical protein

13372215	4.37	4.9	-1.44	0.421179	0.617806	AT1G24822; AT1G25097; AT1G24996	hypothetical protein
13386659	4.37	4.92	-1.46	0.064951	0.401596	AT1G73040; VPS46.2	jacalin-like lectin domain-containing protein; SNF7-like protein
13386897	4.37	4.94	-1.48	0.031766	0.352572	MKK9	MAP kinase kinase 9
13387030	4.37	5	-1.55	0.145989	0.470604	AT1G73860	putative Kinesin motor protein-related protein
13525701	4.37	5.17	-1.74	0.212065	0.517359	GUN5	magnesium chelatase subunit H
13345921	4.37	5.27	-1.87	0.091124	0.428315	AT1G29630	exonuclease 1
13387833	4.37	6.29	-3.81	0.018493	0.321499	TUB1	tubulin beta
13404541	4.37	6.9	-5.77	0.023147	0.330182	TI1	defensin-like protein 195
13507422	4.37	7	-6.19	0.058883	0.394551	AT5G35940	jacalin lectin family protein
13464360	4.36	3.25	2.16	0.070106	0.406528	AT4G01350	cysteine/histidine-rich C1 domain-containing protein
13394528	4.36	3.78	1.49	0.254216	0.539615	AT2G19260	RING/FYVE/PHD zinc finger-containing protein
13450988	4.36	3.8	1.47	0.128303	0.45839	PUB29	U-box domain-containing protein 29
13369255	4.36	3.82	1.46	0.055548	0.388007	GLYR2	glyoxylate reductase 2
13529531	4.36	3.9	1.38	0.12318	0.453558	RAD5	DNA/RNA helicase protein RAD5
13406718	4.36	3.96	1.32	0.380691	0.596105	AT2G01260	hypothetical protein
13494663	4.36	4.01	1.27	0.335032	0.576654	AT4G37170	pentatricopeptide repeat-containing protein
13361609	4.36	4.05	1.24	0.515445	0.675675	RTL1	RNAse THREE-like protein 1
13470455	4.36	4.16	1.15	0.664785	0.777318	AT4G18593	dual specificity protein phosphatase-like protein
13400599	4.36	4.17	1.14	0.485824	0.655417	AT2G34355	major facilitator protein
13397815	4.36	4.19	1.13	0.555577	0.703082	AT2G27340	N-acetylglucosaminylphosphatidylinositol de-N-acetylase family protein
13361474	4.36	4.2	1.11	0.684021	0.790858	PPR596	pentatricopeptide repeat-containing protein
13392203	4.36	4.22	1.1	0.879622	0.926356	AT2G07521	hypothetical protein
13503379	4.36	4.24	1.09	0.618849	0.745944		
13434528	4.36	4.24	1.08	0.826057	0.889243	AT3G29140	hypothetical protein
13395663	4.36	4.34	1.01	0.942066	0.965439	EME1A	essential meiotic endonuclease 1A
13413926	4.36	4.45	-1.07	0.780724	0.85733	AT2G27775	hypothetical protein
13373462	4.36	4.56	-1.14	0.843562	0.901298	AT1G28680	N-hydroxycinnamoyl/benzoyltransferase-like protein
13373651	4.36	4.57	-1.15	0.528564	0.685385	COR314-TM2	cold regulated 314 thylakoid membrane 2
13474911	4.36	4.6	-1.18	0.703928	0.805008	AT4G28790	transcription factor bHLH23
13487485	4.36	4.65	-1.22	0.370931	0.591914	ATK1	kinesin 1
13350084	4.36	4.72	-1.28	0.412105	0.613209	AT1G49680; AT4G28870	hypothetical protein
13434264	4.36	4.74	-1.3	0.141298	0.467756	AT3G28260	hypothetical protein
13542239	4.36	4.86	-1.41	0.096664	0.43273	AT5G61680	putative pectinesterase 63
13518968	4.36	4.94	-1.49	0.112472	0.443735	TOP3A	DNA topoisomerase III
13458388	4.36	5	-1.55	0.069497	0.406403	AT3G50685	hypothetical protein
13465192	4.36	4.99	-1.55	0.256148	0.540533	AT4G03010	leucine-rich repeat family protein
13493835	4.36	5.06	-1.62	0.022683	0.328607	DRL1	dihydroflavonol 4-reductase-like1
13485180	4.36	5.53	-2.25	0.239759	0.532669	AT4G15990	hypothetical protein
13358250	4.36	5.71	-2.55	0.032025	0.352653	AT1G72240	hypothetical protein
13463398	4.36	6.2	-3.59	0.072943	0.408583	ATGSTF13	Glutathione S-transferase-like protein

13484515	4.35	3.08	2.4	0.274144	0.550583	AT4G14342	splicing factor 3B subunit 5
13337815	4.35	3.63	1.64	0.284283	0.556132	AT1G09050	hypothetical protein
13475583	4.35	3.71	1.56	0.151188	0.473698	AT4G30500	hypothetical protein
13394332	4.35	3.79	1.47	0.009503	0.296261	AT2G18850	SET domain-containing protein
13495543	4.35	3.8	1.47	0.097099	0.433165	AT4G38980	hypothetical protein
13391308	4.35	3.92	1.35	0.093185	0.429815	SPR1; AT2G03690	spiral1; ubiquinone biosynthesis protein COQ4-like protein
13535420	4.35	3.92	1.35	0.386401	0.598595	AT5G44520	ribose 5-phosphate isomerase A
13384090	4.35	3.92	1.34	0.467117	0.645076	AT1G66810	zinc finger CCCH domain-containing protein 14
13445467	4.35	3.99	1.28	0.104411	0.43666	AT3G06340	DnaJ domain-containing protein
13450449	4.35	3.99	1.28	0.213426	0.518061	RFC3	Translation elongation factor EF1B/ribosomal protein S6 family protein
13465089	4.35	4.04	1.25	0.38937	0.599704	AT4G02790	GTP-binding protein
13483217	4.35	4.04	1.23	0.370679	0.591914	AT4G11550	cysteine/histidine-rich C1 domain-containing protein
13455175	4.35	4.08	1.2	0.04228	0.368598	EXO70E1	exocyst complex component 7
13504815	4.35	4.09	1.2	0.062773	0.398525	AT5G23250	Succinyl-CoA ligase [GDP-forming] subunit alpha-2
13456152	4.35	4.1	1.19	0.542848	0.69434	AT3G44820	Phototropic-responsive NPH3 family protein
13544117	4.35	4.09	1.19	0.631155	0.754445	AT5G66080	putative protein phosphatase 2C 79
13473092	4.35	4.15	1.15	0.427384	0.621602	AT4G24790	AAA-type ATPase family protein
13474674	4.35	4.15	1.14	0.402302	0.607024	AT4G28430	reticulon-like protein B18
13535499	4.35	4.19	1.12	0.19389	0.505856	AT5G44730	haloacid dehalogenase-like hydrolase domain-containing protein
13457240	4.35	4.23	1.08	0.543773	0.694799	CHL	chloroplastic lipocalin
13479710	4.35	4.25	1.07	0.688893	0.794104	AT4G39830	putative L-ascorbate oxidase
13403535	4.35	4.29	1.04	0.777306	0.854989	AT2G41040	uncharacterized methyltransferase
13368287	4.35	4.32	1.02	0.804484	0.874219	AT1G15165	RING/FYVE/PHD zinc finger-containing protein
13455227	4.35	4.32	1.02	0.901351	0.939512		
13495205	4.35	4.34	1.01	0.94888	0.969434	AT4G38370; AT4G38360	phosphoglycerate mutase-like protein; hypothetical protein
13378724	4.35	4.38	-1.02	0.810395	0.878653	AT1G52550	hypothetical protein
13477495	4.35	4.58	-1.17	0.792854	0.866044	AT4G34380	transducin/WD40 domain-containing protein
13544915	4.35	4.6	-1.18	0.759167	0.842297		
13371264	4.35	4.62	-1.21	0.636429	0.758209		
13484983	4.35	4.72	-1.3	0.588269	0.726234	CYP705A1	cytochrome P450, family 705, subfamily A, polypeptide 1
13357031	4.35	4.77	-1.33	0.003103	0.253459	AT1G69520	S-adenosylmethionine-dependent methyltransferase domain-containing protein
13411822	4.35	4.76	-1.33	0.225241	0.524988	AT2G22900	putative glycosyltransferase 7
13533497	4.35	4.84	-1.41	0.036493	0.359373	EXPA22	expansin A22
13344864	4.35	5.12	-1.7	0.22933	0.526986	FEZ	no apical meristem-domain containing transcriptional regulator
13443329	4.35	5.21	-1.81	0.101542	0.435335	LSF1	protein like SEX4 1
13517415	4.35	5.21	-1.81	0.192285	0.505383	AT5G60310	concanavalin A-like lectin kinase-like protein
13483523	4.35	5.51	-2.24	0.318977	0.57007	AT4G12220	hypothetical protein
13363166	4.35	5.61	-2.39	0.033191	0.354018	AT1G04360	RING-H2 finger protein ATL1
13335729	4.35	5.76	-2.66	0.025812	0.33601		

13538329	4.35	6.09	-3.35	0.069705	0.406403	AT5G51500	Putative pectinesterase/pectinesterase inhibitor 60
13349517	4.34	3.12	2.33	0.180245	0.495833		
13344460	4.34	3.5	1.79	0.047965	0.37767	AT1G25320	leucine-rich repeat protein kinase-like protein
13354982	4.34	3.51	1.79	0.101658	0.435397	AT1G64185; AT1G64190	lactoylglutathione lyase / glyoxalase I-like protein; 6-phosphogluconate dehydrogenase
13516357	4.34	3.52	1.76	0.054479	0.385908	MPS1; AT5G57887	multipolar spindle 1; hypothetical protein
13412831	4.34	3.53	1.75	0.028541	0.346553	AT2G25570	binding protein
13424227	4.34	3.74	1.52	0.216528	0.519792	AT3G04650	FAD/NAD(P)-binding oxidoreductase domain-containing protein
13414352	4.34	3.85	1.4	0.083137	0.417856	emb1997	para-aminobenzoate synthetase
13402918	4.34	3.9	1.35	0.553291	0.701761	AT2G39795; P5CS1	glycoprotein-like protein; Gamma-glutamyl phosphate reductase
13480933	4.34	3.91	1.34	0.275243	0.550583	PMS1	DNA mismatch repair protein PMS2
13389216	4.34	3.94	1.32	0.491492	0.659318	AT1G78950	beta-amyrin synthase
13526839	4.34	4.04	1.23	0.418123	0.616351	AT5G16200	50S ribosomal protein-like protein
13437633	4.34	4.06	1.22	0.365021	0.589592	SDN1	small RNA degrading nuclease 1
13451202	4.34	4.08	1.2	0.49056	0.658772	RAD54	Rad54-like protein
13460500	4.34	4.08	1.2	0.183426	0.498183	AT3G55840; EPC1	Hs1pro-1 protein; nucleotide-diphospho-sugar transferase-like protein
13522474	4.34	4.09	1.19	0.368069	0.590874	DHS	deoxyhypusine synthase
13445238	4.34	4.11	1.17	0.575814	0.716785	GLP8; AT3G05935	germin-like protein subfamily 2 member 3; hypothetical protein
13521775	4.34	4.2	1.1	0.020979	0.324281	AT5G03970	F-box associated ubiquitination effector-like protein
13487039	4.34	4.22	1.08	0.685005	0.791603	AT4G19830	FKBP-like peptidyl-prolyl cis-trans isomerase family protein
13448289	4.34	4.45	-1.08	0.665339	0.777712	SCPL15	serine carboxypeptidase-like 15
13536239	4.34	4.48	-1.1	0.682715	0.789883	KCO2	putative calcium-activated outward-rectifying potassium channel 2
13525809	4.34	4.49	-1.11	0.318108	0.569548	XTH5	xyloglucan:xyloglucosyl transferase
13523093	4.34	4.5	-1.12	0.028775	0.347331	RBOHA	Respiratory burst oxidase-A
13453362	4.34	4.5	-1.12	0.590453	0.727137	UBC37	putative ubiquitin-conjugating enzyme E2 37
13475024	4.34	4.52	-1.13	0.494317	0.661101	AT4G28990	RNA-binding-related protein
13397654	4.34	4.67	-1.25	0.515816	0.675845	ENODL20	early nodulin-like protein 20
13515881	4.34	4.67	-1.25	0.145415	0.470097	AT5G56720	malate dehydrogenase
13521886	4.34	4.77	-1.35	0.156113	0.47898	AT5G04238	hypothetical protein
13358224	4.34	4.82	-1.39	0.429837	0.622872	AT1G72175	C3HC4-type RING finger protein
13458299	4.34	4.86	-1.43	0.492681	0.660087	AT3G50420	pentatricopeptide repeat-containing protein
13416642	4.34	4.87	-1.44	0.210804	0.5161	TBL37	trichome birefringence-like 37 protein
13473505	4.34	4.89	-1.47	0.247945	0.536315	GDU2	glutamine dumper 2
13495451	4.34	4.9	-1.48	0.06387	0.400174	AT4G38781	hypothetical protein
13501519	4.34	4.92	-1.49	0.331228	0.576012	AT5G14650	polygalacturonase
13498617	4.34	4.93	-1.51	0.178913	0.494636	AT5G07140	protein kinase family protein
13363098	4.34	4.95	-1.52	0.290234	0.558411	SHY2	auxin-responsive protein IAA3
13486146	4.34	5.03	-1.61	0.288942	0.557782	AT4G17585	aluminum activated malate transporter family protein

13541551	4.34	5.05	-1.64	0.241083	0.533477	AT5G59970; AT1G07820; AT1G07660; AT5G59690; AT3G53730; AT3G46320; AT3G45930; HIS4	histone H4
13357318	4.34	5.08	-1.67	0.157994	0.480485		
13456307	4.34	5.08	-1.67	0.110945	0.442308	AT3G45260	C2H2-like zinc finger protein
13380699	4.34	5.32	-1.98	0.065788	0.402744	AT1G58037	Cysteine/Histidine-rich C1 domain family protein
13351179	4.34	5.6	-2.39	0.254591	0.539889	AT1G52370	Ribosomal protein L.2/L17e family protein
13455541	4.34	5.87	-2.87	0.121742	0.452619	AT3G42130; AT2G03570	glycine-rich protein; hypothetical protein
13339731	4.34	6.13	-3.45	0.384371	0.597873		
13359541	4.34	6.13	-3.45	0.384371	0.597873		
13517714	4.34	6.13	-3.45	0.384371	0.597873		
13432176	4.34	6.48	-4.41	0.024518	0.333211	LSH4	hypothetical protein
13528330	4.34	7.39	-8.29	0.006335	0.282486	SULTR3;5	putative sulfate transporter 3.5
13477693	4.33	3.28	2.08	0.395652	0.603529	AT4G34800	SAUR-like auxin-responsive protein
13407558	4.33	3.31	2.02	0.009554	0.296261		
13505303	4.33	3.52	1.76	0.166893	0.486855	AT5G24352	serine/threonine-protein kinase-like protein
13491063	4.33	3.53	1.74	0.030156	0.350098	AT4G29360	glucan endo-1,3-beta-glucosidase 12
13426443	4.33	3.65	1.6	0.019802	0.322692	AT3G10400	small nuclear ribonucleoprotein 31 kDa protein
13543821	4.33	3.84	1.4	0.488168	0.657244	AT5G65500	U-box domain-containing protein kinase family protein
13502356	4.33	4.02	1.24	0.10779	0.439775	ORC3	origin recognition complex subunit 3
13442656	4.33	4.04	1.22	0.680563	0.788382	AT3G62510	protein disulfide isomerase-like protein
13339550	4.33	4.07	1.2	0.089822	0.427018	AT1G13130	Cellulase (glycosyl hydrolase family 5) protein
13470287	4.33	4.09	1.18	0.071844	0.408234	AT4G18280	glycine-rich cell wall protein-like protein
13460909	4.33	4.18	1.11	0.758346	0.84168	AT3G56830; AT3G56820	hypothetical protein
13372851	4.33	4.2	1.1	0.425127	0.620343	AT1G27190	putative inactive receptor kinase
13382498	4.33	4.19	1.1	0.716484	0.813735	AT1G62978	hypothetical protein
13485745	4.33	4.2	1.1	0.830896	0.892737	RPP5	TIR-NBS-LRR class disease resistance protein
13487295	4.33	4.23	1.07	0.796669	0.869063	CML42	calcium-binding protein CML42
13542105	4.33	4.24	1.06	0.666299	0.778483	AT5G61390	exonuclease-like protein
13473942	4.33	4.39	-1.04	0.878047	0.925004	AT4G26680	pentatricopeptide repeat-containing protein
13431673	4.33	4.5	-1.13	0.314072	0.568024	AT3G22070	proline-rich family protein
13382029	4.33	4.55	-1.16	0.166822	0.486855	AT1G61640	aarF domain-containing kinase
13364296	4.33	4.56	-1.17	0.360134	0.586803	AT1G06690	NAD(P)-linked oxidoreductase-like protein
13340640	4.33	4.71	-1.3	0.038638	0.364475	AT1G16020	hypothetical protein
13336933	4.33	4.72	-1.31	0.100779	0.434702	PCNA1	proliferating cellular nuclear antigen 1
13379259	4.33	4.86	-1.44	0.410567	0.611816	AT1G53800	hypothetical protein
13506954	4.33	4.89	-1.47	0.025064	0.334806	AT5G28781	hypothetical protein
13460016	4.33	4.88	-1.47	0.58429	0.723164	AT3G54630	kinetochore protein NDC80
13511879	4.33	4.89	-1.48	0.107866	0.439862	AT5G47800	Phototropic-responsive NPH3 family protein

13358915	4.33	5.11	-1.72	0.188812	0.502829	AT1G73885	hypothetical protein
13397034	4.33	5.48	-2.21	0.00118	0.242634	AT2G25530	AFG1-like protein
13532131	4.33	5.52	-2.28	0.057286	0.392016	AT5G35110	hypothetical protein
13393458	4.33	5.65	-2.5	0.239937	0.532794	AT2G16835	aquaporin-like protein
13398407	4.32	3.11	2.32	0.079097	0.414078	PK1B	protein kinase APK1B
13522688	4.32	3.29	2.04	0.151335	0.473698	AT5G06450	DnaQ-like exonuclease domain-containing protein
13452409	4.32	3.63	1.62	0.061579	0.398106	ICL	isocitrate lyase
13486041	4.32	3.8	1.43	0.002325	0.253459	AT4G17430	O-fucosyltransferase family protein
13453231	4.32	4.01	1.23	0.139332	0.466238	MSH1	MUTL protein-like protein 1
13418310	4.32	4.04	1.21	0.146833	0.470962	ZFP10	zinc-finger protein 10
13476899	4.32	4.05	1.21	0.59085	0.72723	AT4G32930	hypothetical protein
13350844	4.32	4.07	1.19	0.103091	0.435908	AT1G51520	RNA recognition motif-containing protein
13373685	4.32	4.12	1.15	0.500828	0.665469	PAI3	phosphoribosylanthranilate isomerase 3
13367918	4.32	4.13	1.14	0.461696	0.642455	AT1G14590	putative myb DNA binding protein
13495625	4.32	4.19	1.09	0.458336	0.640085	SEC14	Sec14p-like phosphatidylinositol transfer family protein
13416016	4.32	4.22	1.07	0.794326	0.867289	AT2G32840	proline-rich uncharacterized protein
13524333	4.32	4.3	1.01	0.9397	0.963756	AT5G10390; AT1G09200; AT5G65360; AT5G10400; AT3G27360	histone H3
13369517	4.32	4.44	-1.08	0.23169	0.52827	AT1G18060	hypothetical protein
13453916	4.32	4.63	-1.23	0.430408	0.623283	AT3G26445	beta-1,3-N-Acetylglucosaminyltransferase family protein
13506359	4.32	4.71	-1.31	0.120196	0.451527	AT5G27280; AT5G27290	Zim17-type zinc finger protein; putative stress regulated protein
13507755	4.32	4.76	-1.35	0.076497	0.410843	AT5G37478	TPX2 (targeting protein for Xklp2) family protein
13405404	4.32	4.96	-1.56	0.548725	0.698598	AT2G45590	protein kinase-like protein
13542434	4.32	5.09	-1.71	0.123448	0.453558	AT5G62170	hypothetical protein
13343359	4.32	5.29	-1.95	0.289434	0.558007	AT1G22330	RNA recognition motif-containing protein
13478963	4.32	5.28	-1.95	0.095621	0.431773	CAD6	cinnamyl-alcohol dehydrogenase
13408932	4.32	5.33	-2.01	0.005601	0.278891	AT2G14860	protein Mpv17
13537948	4.32	5.45	-2.19	0.07144	0.408234	AT5G50570; AT5G50670; AT5G50665; AT5G50565	squamosa promoter-binding-like protein 13; hypothetical protein
13501035	4.32	5.67	-2.56	0.067997	0.406175	AAC2	ADP,ATP carrier protein 2
13504166	4.32	5.68	-2.58	0.047225	0.377622	AT5G21050	hypothetical protein
13545196	4.32	6.23	-3.75	0.417457	0.61595	ArthMp074	hypothetical protein
13349190	4.31	2.38	3.8	0.004481	0.262292	AT1G47400	hypothetical protein
13347540	4.31	2.98	2.5	0.062988	0.398838	AT1G33770	protein kinase-like protein
13407045	4.31	3.24	2.11	0.014833	0.313095	BPC1	basic pentacysteine1
13425480	4.31	3.27	2.05	0.098547	0.433275	AT3G07550	F-box/LRR-repeat protein 12
13508326	4.31	3.35	1.95	0.052976	0.383093	AT5G39250	F-box family protein
13481590	4.31	3.64	1.6	0.039148	0.364658	AT4G04614	hypothetical protein
13406436	4.31	3.78	1.44	0.125789	0.454936	AT2G47820	hypothetical protein

13481285	4.31	3.81	1.42	0.160979	0.483224	AT4G03115; AT4G03113	Mitochondrial substrate carrier family protein; hypothetical protein
13443220	4.31	3.91	1.31	0.367907	0.590874	AT3G01340	transducin/WD-40 repeat-containing protein
13356320	4.31	3.98	1.26	0.258887	0.541592	AT1G67790	hypothetical protein
13374153	4.31	4.13	1.14	0.72663	0.820869	AT1G30550	S-adenosyl-L-methionine-dependent methyltransferase domain-containing protein
13457835	4.31	4.19	1.08	0.646009	0.764325	AT3G49400	transducin/WD40 domain-containing protein
13473728	4.31	4.25	1.05	0.806871	0.876066	ACS7	1-aminocyclopropane-1-carboxylate synthase 7
13431681	4.31	4.42	-1.08	0.772421	0.851648	AT3G22104	Phototropic-responsive NPH3 family protein
13400708	4.31	4.48	-1.12	0.814346	0.881217	AT2G34610	hypothetical protein
13342052	4.31	4.49	-1.14	0.046998	0.377465	AT1G19010	hypothetical protein
13349760	4.31	4.5	-1.14	0.333145	0.576298	TBL7	protein trichome berefringence-like 7
13463599	4.31	4.51	-1.14	0.667098	0.778908	AT3G63220	F-box/kelch-repeat protein SKIP30
13486206	4.31	4.51	-1.15	0.693093	0.797531	KAN3	protein kanadi 3
13429239	4.31	4.56	-1.19	0.284751	0.55631	AT3G16710	pentatricopeptide repeat-containing protein
13496232	4.31	4.64	-1.26	0.03449	0.355201		
13405782	4.31	4.66	-1.28	0.389895	0.599985	AT2G46380	hypothetical protein
13530437	4.31	5.05	-1.67	0.140242	0.466502	AT5G24580	heavy metal transport/detoxification domain-containing protein
13454940	4.31	5.17	-1.82	0.043165	0.371172	HB34	homeobox protein 34
13399496	4.31	5.33	-2.03	0.350687	0.582019	AT2G31850	hypothetical protein
13422994	4.31	5.43	-2.16	0.114311	0.445324	AT3G01750	ankyrin repeat-containing protein
13538042	4.31	5.43	-2.18	0.007579	0.290374	AT5G50800	nodulin MtN3-like protein
13509036	4.31	5.44	-2.2	0.120163	0.451527	AT5G41080	glycerophosphoryl diester phosphodiesterase family protein
13334490	4.31	5.59	-2.44	0.166145	0.486235	ADF11	actin depolymerizing factor 11
13370848	4.31	5.83	-2.86	0.426204	0.620795		
13371009	4.31	5.83	-2.86	0.426204	0.620795		
13388370	4.31	5.83	-2.86	0.426204	0.620795		
13388623	4.31	5.83	-2.86	0.426204	0.620795		
13437134	4.31	5.83	-2.86	0.426204	0.620795		
13513234	4.31	5.83	-2.86	0.426204	0.620795		
13434119	4.3	2.35	3.87	0.018697	0.321499	AT3G27970	exonuclease-like protein
13432927	4.3	3.12	2.27	0.00035	0.181987	VAMP728	vesicle-associated membrane protein 728
13404968	4.3	3.35	1.93	0.130036	0.459898	AT2G44510	protein BCCIP-like protein
13508166	4.3	3.36	1.91	0.164329	0.485779	AT5G38730	pentatricopeptide repeat-containing protein
13336866	4.3	3.38	1.89	0.010082	0.296261	AT1G07170; AT2G30000	PHF5-like protein; PHD finger-like domain-containing protein 5A
13436685	4.3	3.44	1.81	0.157006	0.479661	HA4	H(+)-ATPase 4
13405950	4.3	3.65	1.57	0.200703	0.509845	ZAT	metal tolerance protein 1 short form
13380420	4.3	3.73	1.49	0.14359	0.469269	AT1G56420	hypothetical protein
13419691	4.3	3.84	1.38	0.092501	0.429659	AT2G41050	PQ loop repeat-containing protein
13485072	4.3	4	1.23	0.158739	0.481364	AT4G15730	CW-type zinc-finger protein
13526479	4.3	4.02	1.22	0.445807	0.633419	AT5G15340	pentatricopeptide repeat-containing protein
13403619	4.3	4.05	1.19	0.10043	0.434607	AT2G41200	hypothetical protein
13360463	4.3	4.08	1.17	0.408444	0.610666	AT1G78010	putative tRNA modification GTPase
13442639	4.3	4.11	1.14	0.651833	0.769002	CP12-2	CP12 domain-containing protein 2
13545639	4.3	4.14	1.12	0.508952	0.671534	AT5G09580	hypothetical protein
13456820	4.3	4.23	1.05	0.656709	0.772393	AT3G46630	hypothetical protein

13341491	4.3	4.25	1.03	0.892909	0.934126	AT1G17630	pentatricopeptide repeat-containing protein
13529238	4.3	4.27	1.02	0.879664	0.926366	DPB2	DNA polymerase epsilon subunit B2
13524593	4.3	4.34	-1.03	0.818713	0.884068	AT5G10900	serine/threonine-protein phosphatase 7 inactive-like protein
13344418	4.3	4.39	-1.07	0.767833	0.848454	IDD16	ribonuclease P subunit RPR2
13446140	4.3	4.39	-1.07	0.455972	0.638899	AT3G07380	hypothetical protein
13360325	4.3	4.4	-1.08	0.778665	0.855957	AT1G77730	Pleckstrin homology (PH) domain-containing protein
13458667	4.3	4.47	-1.12	0.635886	0.757993	AT3G51360	aspartyl protease family protein
13437534	4.3	4.5	-1.15	0.646958	0.765079	AT3G49710	pentatricopeptide repeat-containing protein
13343161	4.3	4.52	-1.16	0.491945	0.659692	AT1G21790	TRAM, LAG1 and CLN8 (TLC) lipid-sensing domain containing protein
13492924	4.3	4.59	-1.22	0.495653	0.662146	CDC20.2	cell division cycle 20, cofactor of APC complex
13396312	4.3	4.7	-1.32	0.362071	0.587911	AT2G23321	hypothetical protein
13432761	4.3	4.73	-1.34	0.643486	0.762362	AT3G24535	hypothetical protein
13416425	4.3	4.75	-1.37	0.370295	0.591914	BUBR1	checkpoint serine/threonine-protein kinase
13336387	4.3	4.81	-1.42	0.404232	0.608534	AT1G06000	UDP-glycosyltransferase-like protein
13493175	4.3	4.81	-1.42	0.110528	0.441725	AT4G33770	inositol-tetrakisphosphate 1-kinase 3
13404335	4.3	4.82	-1.43	0.215861	0.51971	IBH1	ILI1 binding bHLH 1 protein
13444441	4.3	4.89	-1.51	0.452358	0.636652	AT3G04230	40S ribosomal protein S16-2
13425446	4.3	5.11	-1.75	0.201496	0.510189	YLMG1-1	YGGT family protein
13376141	4.3	5.35	-2.08	0.001363	0.242634	AT1G43650	nodulin MtN21 /EamA-like transporter protein
13527434	4.3	5.43	-2.18	0.029705	0.349008	BBM	AP2-like ethylene-responsive transcription factor BBM
13387986	4.29	3.5	1.73	0.034759	0.355335	AT1G76170	2-thiocytidine tRNA biosynthesis protein, TtcA
13519452	4.29	3.52	1.7	0.22368	0.524399	PROPEP3	elicitor peptide 3
13511745	4.29	3.59	1.62	0.142717	0.468771	AT5G47510	Sec14p-like phosphatidylinositol transfer family protein
13536509	4.29	3.61	1.59	0.022452	0.32775	AT5G47360	pentatricopeptide repeat-containing protein
13494746	4.29	3.74	1.47	0.227087	0.525508	AT4G37380	Tetratricopeptide repeat (TPR)-like superfamily protein
13488875	4.29	3.83	1.37	0.017704	0.319218	AT4G24320	ubiquitin carboxyl-terminal hydrolase-like protein
13408073	4.29	3.9	1.31	0.266112	0.546291	AT2G06000	pentatricopeptide repeat-containing protein
13465899	4.29	3.94	1.28	0.373315	0.592428	AT4G05040	ankyrin repeat-containing protein
13442465	4.29	4.03	1.2	0.754316	0.839228	AT3G61898	hypothetical protein
13360067	4.29	4.09	1.16	0.772766	0.85181	PIN6	putative auxin efflux carrier component 6
13464465	4.29	4.13	1.12	0.632093	0.754867	AT4G01600	GEM-like protein 2
13364740	4.29	4.14	1.11	0.460487	0.641655	APK1A	protein kinase APK1A
13509480	4.29	4.14	1.11	0.81583	0.882212	AT5G42210	major facilitator protein
13445840	4.29	4.2	1.07	0.633949	0.756449	ULP1A	UB-like protease 1A
13529882	4.29	4.31	-1.01	0.940565	0.964385	FTRA1	ferredoxin/thioredoxin reductase subunit A (variable subunit) 1
13407447	4.29	4.32	-1.02	0.522575	0.680831	AT2G03280	O-fucosyltransferase-like protein
13352988	4.29	4.34	-1.03	0.220317	0.52188	AT1G56570	pentatricopeptide repeat-containing protein
13342021	4.29	4.34	-1.04	0.780283	0.857109	AT1G18900	pentatricopeptide repeat-containing protein

13372628	4.29	4.41	-1.09	0.035281	0.355898	AT1G26390	FAD-binding and BBE domain-containing protein
13471343	4.29	4.47	-1.13	0.659553	0.774496	AT4G20760	Rossmann-fold NAD(P)-binding domain-containing protein
13419441	4.29	4.53	-1.17	0.833374	0.894611	LBD15	LOB domain-containing protein 15
13361905	4.29	4.58	-1.22	0.198157	0.508011	CYP78A8	cytochrome P450, family 78, subfamily A, polypeptide 8
13445019	4.29	4.59	-1.23	0.381451	0.596475	AT3G05470	formin-like protein 11
13447871	4.29	4.58	-1.23	0.555176	0.703052	CYCB1;3	cyclin-B1-3
13467276	4.29	4.68	-1.31	0.618732	0.745865	WRKY41	putative WRKY transcription factor 41
13369600	4.29	4.77	-1.39	0.46456	0.643727	ATLP-1	Thaumatin-like protein
13444373	4.29	4.8	-1.42	0.447073	0.634115	NAC047	NAC domain containing protein 47
13353013	4.29	4.82	-1.44	0.197111	0.507663	AT1G56670	GDSL esterase/lipase LIP-4
13540544	4.29	4.89	-1.51	0.373233	0.592428	XTH12	xyloglucan:xyloglucosyl transferase
13402761	4.29	5.1	-1.75	0.121435	0.452303	AT2G39430	Disease resistance-responsive (dirigent-like protein) family protein
13488748	4.29	5.24	-1.93	0.037235	0.360653	AT4G23890; AT4G23885	hypothetical protein
13341372	4.29	5.32	-2.05	0.105535	0.437428	LOX3	lipoxygenase 3
13418729	4.29	5.33	-2.05	0.297363	0.56231	HTA8	histone H2A 8
13436540	4.29	5.49	-2.29	0.082759	0.417856	BNQ3	protein banquo 3
13437253	4.29	5.69	-2.64	0.066347	0.403288	MYB45	myb domain protein 45
13360133	4.28	3.59	1.61	0.225227	0.524988	AT1G77290	glutathione S-transferase-like protein
13358348	4.28	3.66	1.53	0.061205	0.398106	AT1G72530	putative plastid developmental protein DAG
13508382	4.28	3.67	1.52	0.14507	0.470007	AT5G39450	F-box protein
13386278	4.28	3.69	1.5	0.049008	0.377942	AT1G72220	RING-H2 finger protein ATL54
13435298	4.28	3.87	1.33	0.308541	0.566484	AT3G44050	kinesin motor protein-like protein
13386820	4.28	3.91	1.29	0.048328	0.37767	AT1G73320	S-adenosylmethionine-dependent methyltransferase domain-containing protein
13402242	4.28	3.95	1.26	0.257417	0.541247	AT2G38185	RING-finger domain-containing protein
13420494	4.28	3.96	1.24	0.603764	0.734932	AT2G42660	myb family transcription factor
13335249	4.28	3.98	1.23	0.547863	0.697935	AT1G03270	CBS domain-containing protein
13441566	4.28	3.99	1.22	0.107943	0.439862	AT3G60080	RING/U-box domain-containing protein
13383780	4.28	4	1.21	0.611802	0.741169	TPX2; GAD2	peroxiredoxin-2C; glutamate decarboxylase 2
13543019	4.28	4.06	1.16	0.569203	0.711889	AT5G63630	DEAD-box ATP-dependent RNA helicase 31
13500634	4.28	4.1	1.14	0.688043	0.793606	AT5G12100	pentatricopeptide repeat-containing protein
13526944	4.28	4.08	1.14	0.826385	0.889529	TRXF2	thioredoxin F2
13472808	4.28	4.13	1.1	0.488283	0.657306	AT4G24175	hypothetical protein
13344037	4.28	4.16	1.09	0.698799	0.801741	AT1G24095	Putative thiol-disulfide oxidoreductase DCC
13485934	4.28	4.19	1.06	0.865532	0.916142	FPS2	farnesyl diphosphate synthase 2
13437536	4.28	4.33	-1.04	0.838192	0.897978	AT3G49740	pentatricopeptide repeat-containing protein
13362729	4.28	4.44	-1.12	0.83934	0.898767	AT1G03400	putative 1-aminocyclopropane-1-carboxylate oxidase
13456690	4.28	4.46	-1.14	0.543981	0.694962	AT3G46260	protein kinase-like protein
13338801	4.28	4.61	-1.25	0.050156	0.380143	AT1G11410	putative S-locus lectin protein kinase
13543793	4.28	4.62	-1.26	0.279424	0.553724		
13473925	4.28	4.71	-1.35	0.428542	0.622395	AT4G26660	hypothetical protein
13476020	4.28	4.73	-1.37	0.005962	0.280665	AT4G31360	selenium binding protein

13504240	4.28	4.77	-1.4	0.121206	0.45228	AT5G21222	SNF1-like protein kinase
13412067	4.28	5.17	-1.86	0.081673	0.416797	sks16	protein SKU5 similar 16
13540568	4.28	5.28	-2	0.359924	0.586536	AT5G57570	GCK domain-containing protein
13507825	4.28	5.41	-2.2	0.283985	0.556068	AT5G37670	heat shock protein 15.7
13459218	4.28	5.44	-2.25	0.000534	0.207323	PAP20	putative purple acid phosphatase 20
13482221	4.28	5.57	-2.45	0.25329	0.539237	AT4G08380	Proline-rich extensin-like family protein
13464250	4.28	6.34	-4.18	0.002229	0.253459	TROL	thylakoid rhodanese-like protein
13381750	4.27	3.45	1.77	0.085247	0.419888	AT1G61080	hydroxyproline-rich glycoprotein-like protein
13409981	4.27	3.48	1.72	0.330267	0.575506	AT2G18193	P-loop containing nucleoside triphosphate hydrolase-like protein
13532487	4.27	3.65	1.54	0.332382	0.576298	AT5G36001	RING/U-box domain-containing protein-like protein
13441005	4.27	3.84	1.35	0.109961	0.441206	AT3G58690	protein kinase family protein
13458427	4.27	3.85	1.34	0.125715	0.454851	AT3G50780	hypothetical protein
13349551	4.27	3.86	1.33	0.233432	0.529162	AT1G48360	fanconi-associated nuclease 1-like protein
13545569	4.27	3.86	1.33	0.631816	0.754762		
13375430	4.27	3.87	1.31	0.201939	0.510189	AT1G34270	exostosin-like protein
13339937	4.27	3.93	1.27	0.369226	0.591437	AT1G14185	glucose-methanol-choline (GMC) oxidoreductase-like protein
13350815	4.27	4.03	1.19	0.318413	0.569572	TRO	TRAUCO protein
13436921	4.27	4.36	-1.06	0.736617	0.827623	CYP71A23	cytochrome P450 71A23
13536972	4.27	4.38	-1.08	0.765718	0.846968	sks3	protein SKU5 similar 3
13348136	4.27	4.47	-1.15	0.068127	0.406286	AT1G35614	hypothetical protein
13417028	4.27	4.73	-1.38	0.069652	0.406403	AT2G35000	E3 ubiquitin-protein ligase ATL9
13491418	4.27	4.92	-1.56	0.207339	0.513526	HMA2	Cd2+/Zn2+-exporting ATPase
13444627	4.27	4.93	-1.58	0.036235	0.358377	AT3G04640	glycine-rich protein
13396501	4.27	4.94	-1.6	0.309051	0.566591	AT2G23970	glutamine amidotransferase class-I domain-containing protein
13525220	4.27	5.16	-1.86	0.149584	0.472476	AT5G12340	hypothetical protein
13434307	4.27	5.19	-1.88	0.0482	0.37767	AT3G28510	AAA-type ATPase family protein
13434313	4.27	5.21	-1.91	0.102125	0.435546	AT3G28530	UDP-glucose 4-epimerase
13485169	4.27	5.56	-2.44	0.007957	0.290374	AT4G15960	epoxide hydrolase-related protein
13521213	4.27	5.75	-2.79	0.003499	0.253459	AT5G02350	cysteine/histidine-rich C1 domain-containing protein
13544513	4.27	5.84	-2.97	0.246398	0.535608	AT5G66940	Dof zinc finger protein DOF5.8
13392009	4.26	3.33	1.9	0.138429	0.46568		
13358105	4.26	3.55	1.63	0.020839	0.324125	VND7	vascular related NAC-domain protein 7
13414033	4.26	3.6	1.58	0.372675	0.592085	AT2G28030	aspartyl protease-like protein
13345986	4.26	3.61	1.56	0.0527	0.382994	AT1G29820	Magnesium transporter CorA-like family protein
13494337	4.26	3.62	1.56	0.345223	0.580035	AT4G36500	hypothetical protein
13431459	4.26	3.64	1.53	0.112658	0.443786	AT3G21360	clavaminate synthase-like protein
13344447	4.26	3.67	1.5	0.005888	0.279573	RBL10	RHOMBOID-like protein 10
13425558	4.26	3.75	1.42	0.262312	0.543595	AT3G07670	rubisco methyltransferase-like protein
13492803	4.26	3.8	1.37	0.47841	0.651324	AT4G33130	hypothetical protein
13482592	4.26	3.82	1.36	0.462675	0.643006	AT4G09840	hypothetical protein
13410050	4.26	3.88	1.3	0.489194	0.657945	AT2G18400; TTN5	large subunit ribosomal protein L6; ADP-ribosylation factor-like 2
13353440	4.26	3.92	1.27	0.142671	0.468771	ZCF61	E3 Ubiquitin ligase family protein
13545451	4.26	3.92	1.27	0.680699	0.788444		

13368506	4.26	3.93	1.25	0.382988	0.597346	AT1G15730; TRFL5	Cobalamin biosynthesis CobW-like protein; protein TRF-like 5
13502434	4.26	3.95	1.24	0.422911	0.618789	HSF3	heat stress transcription factor A-1b
13461281	4.26	4.02	1.18	0.136307	0.465036	NAGK	acetylglutamate kinase
13487140	4.26	4.03	1.17	0.336442	0.576994	EMB1025	pentatricopeptide repeat-containing protein
13487798	4.26	4.05	1.15	0.270966	0.548723	AT4G21920	hypothetical protein
13527652	4.26	4.16	1.08	0.761491	0.84372	AT5G17960	cysteine/histidine-rich C1 domain-containing protein
13389720	4.26	4.15	1.07	0.864732	0.9156	WAKL10	wall-associated receptor kinase-like 10
13512073	4.26	4.2	1.04	0.849748	0.905369	AT5G48220	indole-3-glycerol phosphate synthase
13357410	4.26	4.22	1.03	0.818279	0.883733	KNAT2	homeobox protein knotted-1-like 2
13417135	4.26	4.24	1.01	0.915822	0.949128	EXL1	protein exordium like 1
13382415	4.26	4.31	-1.03	0.935361	0.960945	SCO1; AT1G62740	elongation factor EF-G; putative stress-inducible protein
13422156	4.26	4.3	-1.03	0.944771	0.967068	AT2G46760	D-arabinono-1,4-lactone oxidase family protein
13492989	4.26	4.33	-1.05	0.621559	0.747876	AT4G33400	Vacuolar import/degradation, Vid27-related protein
13531628	4.26	4.45	-1.14	0.637296	0.758609	AT5G27930	putative protein phosphatase 2C 73
13540448	4.26	4.56	-1.24	0.036402	0.359034	AT5G57345	hypothetical protein
13468455	4.26	4.59	-1.26	0.206604	0.513242	AT4G14330	phragmoplast-associated kinesin-related protein 2
13533327	4.26	4.64	-1.31	0.778023	0.855481	AT5G38610; AT5G38600	plant invertase/pectin methylesterase inhibitor domain-containing protein; zinc finger CCHC domain-containing protein 8
13349201	4.26	4.66	-1.32	0.203564	0.510839	AT1G47480	alpha/beta-hydrolase domain-containing protein
13459892	4.26	4.78	-1.44	0.142507	0.468651	AT3G54390	sequence-specific DNA binding transcription factor
13437528	4.26	4.8	-1.45	0.480612	0.652419	MYB84	transcription factor RAX3
13482794	4.26	4.92	-1.57	0.200432	0.509842	AT4G10390	protein kinase family protein
13437561	4.26	5.19	-1.92	0.256078	0.540533	AT3G49845	hypothetical protein
13394955	4.26	5.45	-2.27	0.104225	0.4366	AT2G20340	Tyrosine decarboxylase 1
13442944	4.26	5.49	-2.35	0.038662	0.364475	AT3G63430	hypothetical protein
13467112	4.26	5.65	-2.62	0.1381	0.46568	AT4G10500	oxidoreductase, 2OG-Fe(II) oxygenase family protein
13358753	4.26	6.02	-3.38	0.026004	0.337071	AT1G73600; CPuORF32	putative phosphoethanolamine N-methyltransferase 3; conserved peptide upstream open reading frame 32
13408359	4.26	6.33	-4.2	0.410401	0.61176	AT2G07714	transcription factor-related protein
13359385	4.26	7.1	-7.12	0.001322	0.242634	AT1G75290	isoflavone reductase-like protein
13433094	4.25	3.36	1.84	0.026498	0.338732	AT3G25440	uncharacterized CRM domain-containing protein
13347120	4.25	3.58	1.59	0.192253	0.505352	NAC011	NAC domain containing protein 11
13534310	4.25	3.62	1.55	0.228916	0.526734	AT5G41690	RNA recognition motif-containing protein
13380247	4.25	3.64	1.52	0.298188	0.562461	AT1G56130	putative LRR receptor-like serine/threonine-protein kinase
13467002	4.25	3.68	1.49	0.062951	0.398838	AT4G10170	synaptobrevin-related family protein
13541098	4.25	3.72	1.45	0.432076	0.624526	AT5G58784	dehydrodolichyl diphosphate synthase 5
13378047	4.25	3.72	1.44	0.064386	0.400947	AT1G50910	hypothetical protein

13479029	4.25	3.73	1.43	0.387375	0.598693	FRS9; FRS5	FAR1-related sequence 9; protein FAR1-related sequence 5
13420300	4.25	3.76	1.41	0.354144	0.584238	AT2G42330	GC-rich sequence DNA-binding factor-like protein with Tuftelin interacting domain
13433010	4.25	3.76	1.41	0.190458	0.503959	AT3G25210	pentatricopeptide repeat-containing protein
13470816	4.25	3.77	1.4	0.246146	0.535608	AT4G19500	P-loop NTPase and Toll/interleukin-1 receptor (TIR) homology domain protein
13524659	4.25	3.87	1.3	0.041023	0.366381	AT5G11020	ser/thr specific protein kinase-like protein
13523899	4.25	4.12	1.1	0.540967	0.692945	AT5G09630	LisH/CRA/RING-U-box domain-containing protein
13335496	4.25	4.13	1.08	0.654385	0.770643	AT1G03920	putative protein kinase MK6
13408431	4.25	4.15	1.07	0.610675	0.74026	AT2G09838	hypothetical protein
13426776	4.25	4.17	1.06	0.900517	0.938853	MEE34	26S proteasome regulatory subunit N8
13449668	4.25	4.16	1.06	0.752358	0.8378	AT3G15140	uncharacterized exonuclease domain-containing protein
13516161	4.25	4.17	1.06	0.68372	0.790597	AT5G57320	gelsolin
13399244	4.25	4.27	-1.02	0.953928	0.972574	LSH3	hypothetical protein
13404276	4.25	4.29	-1.03	0.80769	0.876669	AT2G42920; AT2G42940; AT2G42930	pentatricopeptide repeat-containing protein; AT-hook DNA-binding-like protein; carbohydrate-binding X8 domain-containing protein
13479768	4.25	4.29	-1.03	0.851044	0.906007	AT4G39880	Ribosomal protein L23/L15e family protein
13538580	4.25	4.34	-1.07	0.440324	0.629859	AT5G52180	hypothetical protein
13356893	4.25	4.36	-1.08	0.716273	0.813698	FLN2; AT2G45180	fructokinase-like 2; protease inhibitor/seed storage/lipid transfer protein (LTP) family protein
13400819	4.25	4.37	-1.09	0.74496	0.83246	AT2G34840	coatomer subunit epsilon-2
13383134	4.25	4.39	-1.1	0.766839	0.847683	AT1G64580	pentatricopeptide repeat-containing protein
13513645	4.25	4.38	-1.1	0.812087	0.879805	AT5G51610	ribosomal protein L11
13535822	4.25	4.41	-1.11	0.708176	0.808033	AT5G45470	hypothetical protein
13400861	4.25	4.47	-1.16	0.449135	0.635232	AT2G34970	translation initiation factor eIF-2B epsilon subunit
13452586	4.25	4.46	-1.16	0.261427	0.543291	AT3G22410	Sec14p-like phosphatidylinositol transfer family protein
13487093	4.25	4.51	-1.19	0.066079	0.403288	AT4G19920	Toll-Interleukin-Resistance domain-containing protein
13519770	4.25	4.54	-1.22	0.249786	0.537218	AT5G65570	pentatricopeptide repeat-containing protein
13416460	4.25	4.6	-1.27	0.588962	0.726681	AT2G33710	ethylene-responsive transcription factor ERF112
13411893	4.25	4.66	-1.33	0.317102	0.568722	AT2G23118	hypothetical protein
13340200	4.25	4.74	-1.4	0.202783	0.510485	GAI	DELLA protein GAI
13475566	4.25	5.19	-1.92	0.11063	0.441823	AT4G30470	Rossmann-fold NAD(P)-binding domain-containing protein
13532184	4.25	5.27	-2.03	0.194835	0.505856	AT5G35290	hypothetical protein
13520763	4.25	5.88	-3.1	0.006446	0.282486	AT5G01280	hypothetical protein
13468200	4.25	5.91	-3.16	0.061978	0.398248	AT4G13580	disease resistance-responsive, dirigent domain-containing protein
13531184	4.25	6.03	-3.44	0.025486	0.335542	AT5G26230	hypothetical protein
13530607	4.25	8.56	-19.87	0.002185	0.253459	VSP1	vegetative storage protein 1
13420836	4.24	3.06	2.28	0.084518	0.418673	AT2G43470	hypothetical protein

13438280	4.24	3.19	2.06	0.087932	0.423861	HSFA7A	heat stress transcription factor A-7a
13521201	4.24	3.48	1.69	0.351294	0.582427	MYB3R-5	myb domain protein 3r-5
13407533	4.24	3.6	1.56	0.363051	0.588585	MGT3; AT2G03630	magnesium transporter MRS2-5; hypothetical protein
13411763	4.24	3.62	1.54	0.275118	0.550583	AT2G22690	zinc ion binding protein
13408270	4.24	3.64	1.51	0.498307	0.663965	AT2G07440	putative two-component response regulator protein
13385947	4.24	3.67	1.48	0.278706	0.553383	AT1G71060	pentatricopeptide repeat-containing protein
13464601	4.24	3.68	1.48	0.22972	0.527312	AT4G01915	hypothetical protein
13450303	4.24	3.72	1.43	0.253408	0.539247	AT3G16750	hypothetical protein
13394035	4.24	3.77	1.39	0.148884	0.471967	AT2G18030	peptide methionine sulfoxide reductase A5
13485840	4.24	3.76	1.39	0.255963	0.54042	CT-BMY	beta-amylase 3
13415196	4.24	3.87	1.29	0.456536	0.639006	AT2G30960	hypothetical protein
13492219	4.24	3.9	1.26	0.346642	0.58045	AT4G31930	Mitochondrial glycoprotein family protein
13357401	4.24	3.94	1.24	0.662038	0.775846	AT1G70505	hypothetical protein
13496046	4.24	3.95	1.23	0.266651	0.546291	AT5G01170	hypothetical protein
13480467	4.24	3.96	1.21	0.270653	0.548501	AT4G01220	rhamnogalacturonan II specific xylosyltransferase
13543738	4.24	4.01	1.18	0.416512	0.615562	AT5G65320	transcription factor bHLH99
13383388	4.24	4.03	1.16	0.314287	0.568148	AT1G65120	Ubiquitin carboxyl-terminal hydrolase-related protein
13451661	4.24	4.03	1.16	0.686813	0.79276	AT3G20260	hypothetical protein
13437863	4.24	4.04	1.15	0.363768	0.588965	ZAR1	disease resistance RPP13-like protein 4
13496946	4.24	4.06	1.13	0.233174	0.529048	AT5G03360	DC1 domain-containing protein
13489352	4.24	4.08	1.12	0.037054	0.360245	AT4G25270	pentatricopeptide repeat-containing protein
13457959	4.24	4.09	1.11	0.738456	0.828387	BAM2	receptor-like kinase BAM2
13466668	4.24	4.12	1.09	0.627819	0.75181	AT4G09260; AT4G09210	hypothetical protein
13472499	4.24	4.28	-1.03	0.911432	0.946225		
13505748	4.24	4.28	-1.03	0.911432	0.946225		
13538694	4.24	4.28	-1.03	0.911432	0.946225		
13347193	4.24	4.34	-1.07	0.724771	0.819629	AT1G32730	hypothetical protein
13335022	4.24	4.36	-1.08	0.740103	0.829128	AT1G02816	hypothetical protein
13441998	4.24	4.53	-1.22	0.531302	0.687058	AT3G60960	pentatricopeptide repeat-containing protein
13495694	4.24	4.54	-1.23	0.196422	0.507314	AT4G39380	hypothetical protein
13342265	4.24	4.67	-1.34	0.418428	0.616376	AT1G19480	DNA glycosylase domain-containing protein
13540090	4.24	4.66	-1.34	0.306532	0.565397	MKK6	mitogen-activated protein kinase kinase 6
13395730	4.24	4.68	-1.36	0.227406	0.525653	PROPEP6	elicitor peptide 6
13479121	4.24	4.72	-1.4	0.012028	0.301412	RHS17	protein root hair specific 17
13423768	4.24	4.87	-1.54	0.041811	0.368059	AT3G03440	armadillo/beta-catenin-like repeat-containing protein
13383281	4.24	5.31	-2.09	0.06912	0.406403	AT1G64920	UDP-glycosyltransferase-like protein
13480773	4.24	5.49	-2.37	0.023367	0.330182	GPAT3	glycerol-3-phosphate acyltransferase
13372791	4.24	5.5	-2.41	0.292541	0.559559	AT1G26921	hypothetical protein
13406330	4.24	5.95	-3.27	0.003974	0.262292	AT2G47530	Pollen Ole e 1 allergen and extensin family protein
13388936	4.23	2.12	4.34	0.008625	0.293015	GSTU21	glutathione S-transferase TAU 21
13456858	4.23	2.96	2.42	0.028259	0.345627	AT3G46720	UDP-glycosyltransferase-like protein
13498666	4.23	3.32	1.87	0.021471	0.325381	IQD24	IQ-domain 24 protein
13422999	4.23	3.36	1.83	0.096249	0.432425	AT3G01760	Lysine histidine transporter-like 4

13406510	4.23	3.53	1.62	0.147813	0.471903	AT2G47970	NPL4-like protein 2
13483837	4.23	3.66	1.48	0.182381	0.497376	AT4G13150	hypothetical protein
13339669	4.23	3.68	1.46	0.500107	0.665111	AT1G13460	protein phosphatase 2 (formerly 2A), regulatory subunit B'
13510998	4.23	3.72	1.42	0.298559	0.562461	RHA1	heat stress transcription factor A-4c
13428575	4.23	3.8	1.34	0.433307	0.625225	AT3G15351	hypothetical protein
13352338	4.23	3.83	1.32	0.347662	0.580585	AT1G55040	Zn-finger in Ran binding domain-containing protein
13497233	4.23	3.84	1.32	0.379784	0.595417	AT5G04050	RNA-directed DNA polymerase (reverse transcriptase)
13346567	4.23	3.84	1.31	0.257347	0.541247	TO2	thioredoxin O2
13348021	4.23	3.84	1.31	0.050777	0.381425	AT1G35340	ATP-dependent protease La (LON) domain-containing protein
13429527	4.23	3.84	1.31	0.277912	0.552556	AT3G17380	TRAF-like family protein
13434605	4.23	3.95	1.22	0.156475	0.479127	AT3G29375	XH domain-containing protein
13423416	4.23	3.97	1.2	0.340108	0.578064	AT3G02650	pentatricopeptide repeat-containing protein
13505936	4.23	3.97	1.19	0.33704	0.577005	AT5G26270	hypothetical protein
13454083	4.23	3.99	1.18	0.461355	0.642168	AT3G26890	hypothetical protein
13392585	4.23	4.08	1.11	0.484994	0.654822	AT2G11891	hypothetical protein
13410783	4.23	4.09	1.11	0.185569	0.500105	AT2G20270; PSAE-2	monothiol glutaredoxin-S12; photosystem I reaction center subunit IV B
13447235	4.23	4.09	1.1	0.566682	0.710763	AT3G10180	centromeric protein E
13439610	4.23	4.12	1.07	0.846053	0.903015	AT3G55140	pectate lyase
13436262	4.23	4.18	1.04	0.895669	0.93574	AT3G46870	pentatricopeptide repeat-containing protein
13345782	4.23	4.28	-1.03	0.833829	0.894712	AT1G29270	hypothetical protein
13513049	4.23	4.43	-1.15	0.799176	0.870801	PIMT2	protein-l-isoaspartate methyltransferase 2
13386305	4.23	4.47	-1.18	0.54075	0.692733	ERO1	endoplasmic oxidoreductin-1
13366523	4.23	4.53	-1.24	0.157683	0.480231	MLO4	MLO-like protein 4
13387134	4.23	4.58	-1.28	0.267932	0.546492	SS2	strictosidine synthase 1
13375669	4.23	4.72	-1.4	0.275573	0.55078	AT1G35430	hypothetical protein
13375399	4.23	4.73	-1.41	0.643238	0.762132	PAB1	poly(A) binding protein 1
13445781	4.23	4.87	-1.55	0.096789	0.43273	AT3G06778	DnaJ-domain-containing protein
13516053	4.23	4.91	-1.6	0.335085	0.576654	AT5G57080	hypothetical protein
13422374	4.23	5.05	-1.77	0.00008	0.14124	AT2G47200	hypothetical protein
13406739	4.23	5.29	-2.09	0.206749	0.513335	RPI2	ribose 5-phosphate isomerase A
13416226	4.23	5.3	-2.11	0.017451	0.319218	AT2G33205	Serinc-domain containing serine and sphingolipid biosynthesis protein
13405137	4.23	5.35	-2.18	0.005735	0.279573	AT2G44940	ethylene-responsive transcription factor ERF034
13471355	4.23	6.55	-5	0.037893	0.362165	AT4G20820	FAD-binding and BBE domain-containing protein
13497858	4.22	3.19	2.04	0.083925	0.417946	DREB2A	dehydration-responsive element-binding protein 2A
13354262	4.22	3.36	1.82	0.129371	0.459395	AT1G61960	Mitochondrial transcription termination factor family protein
13433368	4.22	3.41	1.75	0.030601	0.350098	AT3G26040	HXXXD-type acyl-transferase-like protein
13384077	4.22	3.56	1.57	0.011956	0.301412	PXMT1	S-adenosylmethionine-dependent methyltransferase domain-containing protein
13512136	4.22	3.73	1.4	0.242712	0.534256	AT5G48340	hypothetical protein
13440994	4.22	3.76	1.38	0.074641	0.410456	AT3G58660	ribosomal protein L1p/L10e family protein

13510213	4.22	3.76	1.37	0.331149	0.576012	AT5G43820	pentatricopeptide repeat-containing protein
13483405	4.22	3.84	1.31	0.244672	0.535223	AT4G11950	hypothetical protein
13347000	4.22	3.88	1.27	0.302731	0.563999	AT1G32220	NAD(P)-binding Rossmann-fold-containing protein
13363238	4.22	4.02	1.15	0.317563	0.569156	AT1G04570	integral membrane transporter family protein
13430845	4.22	4.16	1.05	0.843056	0.901128	ATHXK4	hexokinase-4
13346625	4.22	4.27	-1.03	0.904539	0.941609	AT1G31175	hypothetical protein
13369052	4.22	4.27	-1.04	0.891536	0.933401	ICR1; AT1G17130	interactor of constitutive active ROPs 1; hypothetical protein
13496829	4.22	4.28	-1.04	0.805834	0.875386	AT5G03110	hypothetical protein
13531517	4.22	4.35	-1.09	0.600149	0.732328	AT5G27550	ATP binding / microtubule motor
13515158	4.22	4.49	-1.21	0.546075	0.696588	AT5G54970	hypothetical protein
13368858	4.22	4.53	-1.24	0.117025	0.446922	AT1G16630	hypothetical protein
13503500	4.22	4.56	-1.27	0.662885	0.77624	AT5G19430	RING/U-box domain-containing protein
13425704	4.22	4.61	-1.3	0.102504	0.435736	AT3G07960	phosphatidylinositol-4-phosphate 5-kinase 6
13436441	4.22	4.68	-1.38	0.237077	0.531149	AT3G47490	HNH endonuclease
13457161	4.22	4.68	-1.38	0.07984	0.414251	MYB94	myb domain protein 94
13349585	4.22	4.72	-1.41	0.06208	0.398248	AT1G48460	hypothetical protein
13493648	4.22	4.75	-1.44	0.054711	0.386003	SLP2	subtilisin-like serine protease 2
13462224	4.22	4.79	-1.49	0.251925	0.538651	AT3G59850	polygalacturonase
13470919	4.22	4.86	-1.56	0.065134	0.401596	IRT2	Fe(2+) transport protein 2
13406443	4.22	5.14	-1.89	0.243604	0.534747	AT2G47844	hypothetical protein
13466656	4.22	5.68	-2.76	0.370492	0.591914	AT4G09220; AT4G09270	hypothetical protein
13466673	4.22	5.68	-2.76	0.370492	0.591914	AT4G09220; AT4G09270	hypothetical protein
13514353	4.22	5.8	-2.99	0.050999	0.381901	TRY	transcription factor TRY
13514247	4.22	5.85	-3.09	0.134049	0.463251		
13458072	4.21	3.12	2.13	0.029298	0.348027	AT3G50010	cysteine/histidine-rich C1 domain-containing protein
13453809	4.21	3.2	2.02	0.092686	0.429659	AT3G26130	Cellulase (glycosyl hydrolase family 5) protein
13519493	4.21	3.26	1.93	0.030166	0.350098	AT5G64950	Mitochondrial transcription termination factor family protein
13466912	4.21	3.29	1.9	0.161258	0.483302	AT4G09970	hypothetical protein
13502272	4.21	3.33	1.85	0.185742	0.500307	AT5G16450	Regulator of ribonuclease-like protein 2
13383111	4.21	3.54	1.59	0.210091	0.515364	CBL8	calcineurin B-like protein 8
13545537	4.21	3.56	1.58	0.468706	0.645919		
13517899	4.21	3.57	1.56	0.035179	0.355472	AT5G61490; AT5G61495	hypothetical protein
13536955	4.21	3.61	1.51	0.023381	0.330182	AT5G48430	aspartyl protease family protein
13404327	4.21	3.66	1.46	0.048558	0.37767	AT2G43030	50S ribosomal protein L3-1
13444288	4.21	3.74	1.39	0.131824	0.461869	AT3G03820	SAUR-like auxin-responsive protein
13468673	4.21	3.84	1.29	0.246717	0.535608	AT4G14830	hypothetical protein
13494326	4.21	3.9	1.25	0.055123	0.387213	MPK14	mitogen-activated protein kinase 14
13347936	4.21	3.92	1.22	0.516273	0.676165	AT1G34770	NON-SMC ELEMENT 3-like protein
13461367	4.21	3.96	1.19	0.164103	0.485666	AT3G57880	calcium-dependent lipid-binding domain-containing plant phosphoribosyltransferase-like protein
13482644	4.21	3.95	1.19	0.253606	0.539386	AT4G10000	thioredoxin family protein

13450411	4.21	3.96	1.18	0.262847	0.543826	AT3G17030	nucleic acid-binding-like protein
13484473	4.21	3.98	1.17	0.032456	0.353134	AT4G14301	hypothetical protein
13364350	4.21	3.99	1.17	0.457432	0.639458	DRIP1	E3 ubiquitin protein ligase DRIP1
13503888	4.21	3.98	1.17	0.237675	0.531849	AT5G20180	Ribosomal protein L36
13411683	4.21	3.99	1.16	0.017773	0.319293		
13544675	4.21	4.05	1.11	0.200743	0.509845	AT5G67350	hypothetical protein
13370276	4.21	4.29	-1.05	0.850759	0.905873		
13483124	4.21	4.29	-1.05	0.850759	0.905873		
13509225	4.21	4.29	-1.05	0.850759	0.905873		
13541824	4.21	4.29	-1.06	0.7711	0.850848	AT5G60870	regulator of chromosome condensation repeat-containing protein
13488196	4.21	4.89	-1.61	0.152968	0.475771	AT4G22800	hypothetical protein
13362969	4.21	5.16	-1.94	0.121888	0.452662	AT1G03940	HXXXD-type acyl-transferase family protein
13506910	4.21	5.18	-1.97	0.42015	0.617335	AT5G28560	hypothetical protein
13529779	4.21	5.4	-2.28	0.072593	0.408352	CYP86B1	cytochrome P450 86B1
13376891	4.21	5.45	-2.36	0.231155	0.527791	CIPK17	CBL-interacting serine/threonine-protein kinase 17
13502640	4.21	5.56	-2.56	0.051538	0.382129	AT5G17390	universal stress protein (USP) family protein
13415000	4.21	6.18	-3.94	0.001506	0.249401	PSBW	photosystem II reaction center W protein
13504456	4.21	6.5	-4.87	0.023318	0.330182	RHS18	peroxidase 60
13345906	4.2	2.83	2.58	0.054316	0.385747	AT1G29600	putative zinc finger CCCH domain-containing protein 10
13355799	4.2	3.19	2.01	0.00638	0.282486	AT1G66450	cysteine/histidine-rich C1 domain-containing protein
13533748	4.2	3.19	2.01	0.182202	0.497223	AT5G40090	TIR-NBS-LRR class disease resistance protein
13523973	4.2	3.4	1.74	0.076408	0.410833	AT5G09720	magnesium transporter MRS2-8
13374716	4.2	3.46	1.67	0.002233	0.253459	NSI	acetyltransferase NSI
13500692	4.2	3.49	1.64	0.050295	0.380289	AT5G12220	las1-like family protein
13354828	4.2	3.58	1.54	0.321244	0.571176	AT1G63750	TIR-NBS-LRR class disease resistance protein
13404682	4.2	3.61	1.5	0.090134	0.427018	AT2G43990	hypothetical protein
13341894	4.2	3.69	1.43	0.225638	0.524988	AT1G18690	putative glycosyltransferase 4
13485728	4.2	3.73	1.38	0.321789	0.571427	AT4G16920	TIR-NBS-LRR class disease resistance protein
13513280	4.2	3.76	1.35	0.447301	0.634243	AT5G50890	lipase domain-containing protein
13336862	4.2	3.79	1.33	0.503287	0.667445	STN1	CST complex subunit STN1
13359160	4.2	3.81	1.31	0.10319	0.435922	AT1G74580	pentatricopeptide repeat-containing protein
13439836	4.2	3.87	1.25	0.730512	0.823579	AT3G55600	Membrane fusion protein Use1
13400940	4.2	3.89	1.24	0.26439	0.54536	AT2G35170	histone H3 K4-specific methyltransferase SET7/9-like protein
13408551	4.2	3.9	1.24	0.257695	0.541251	AT2G12170	hypothetical protein
13412896	4.2	4.01	1.15	0.453695	0.637327	AT2G25690	hypothetical protein
13436009	4.2	4.01	1.14	0.364112	0.589155	NUDT9	nudix hydrolase 9
13402353	4.2	4.05	1.1	0.532748	0.687669	AT2G38420	pentatricopeptide repeat-containing protein
13542287	4.2	4.06	1.1	0.792626	0.865932	AT5G61810	Mitochondrial substrate carrier family protein
13426771	4.2	4.08	1.08	0.640563	0.760374	WOX5	WUSCHEL-related homeobox 5

13524157	4.2	4.15	1.03	0.632668	0.755306	AT5G10090	tetratricopeptide repeat domain-containing protein
13493725	4.2	4.18	1.02	0.929747	0.95721	AT4G35130	pentatricopeptide repeat-containing protein
13411286	4.2	4.25	-1.04	0.813217	0.880549	AT2G21250	NAD(P)-linked oxidoreductase domain-containing protein
13363586	4.2	4.31	-1.08	0.405434	0.609069	CLE20	CLAVATA3/ESR-related protein 20
13427495	4.2	4.36	-1.12	0.407948	0.610546	AT3G13190	hypothetical protein
13366366	4.2	4.48	-1.21	0.329682	0.575101	AT1G10780	F-box/RNI-like protein
13505735	4.2	4.68	-1.4	0.338755	0.577413	AT5G25580	hypothetical protein
13334349	4.2	4.69	-1.41	0.32909	0.574751	AT1G01500	Erythronate-4-phosphate dehydrogenase-like protein
13491826	4.2	4.7	-1.42	0.309641	0.566863	AT4G31020; AT4G31010	esterase/lipase domain-containing protein; CRS2-associated factor 1
13362424	4.2	4.71	-1.43	0.339496	0.577996	AT1G02660	alpha/beta-hydrolase domain-containing protein
13431404	4.2	4.9	-1.63	0.006205	0.280665	DOF2	Dof zinc finger protein DOF3.1
13340539	4.2	4.96	-1.7	0.013739	0.309482	AT1G15830	hypothetical protein
13532568	4.2	5.24	-2.05	0.043482	0.372571	CYP81D1	cytochrome P450 81D1
13528375	4.2	5.31	-2.15	0.129289	0.459395	AT5G19729	hypothetical protein
13458757	4.2	5.6	-2.63	0.003421	0.253459	AT3G51680	Rossmann-fold NAD(P)-binding domain-containing protein
13454733	4.2	6.63	-5.35	0.033364	0.354018	AT3G28345	ABC transporter B family member 15
13432141	4.19	2.94	2.38	0.006013	0.280665	AT3G23255	hypothetical protein
13497176	4.19	3.25	1.92	0.169582	0.48788	AT5G03830	CDK inhibitor P21 binding protein
13458398	4.19	3.29	1.87	0.004599	0.262483	AT3G50710	putative FBD-associated F-box protein
13437547	4.19	3.37	1.76	0.007069	0.287755	AT3G49830	P-loop containing nucleoside triphosphate hydrolase-like protein
13477718	4.19	3.42	1.7	0.06133	0.398106	AT4G34880	Amidase family protein
13491428	4.19	3.43	1.7	0.05834	0.393329	HMA3	cadmium/zinc-transporting ATPase 4
13341046	4.19	3.46	1.66	0.257846	0.541251	AT1G16790	ribosomal protein-like protein
13396401	4.19	3.46	1.66	0.116764	0.446833	AT2G23680	cold acclimation protein WCOR413-like protein
13429694	4.19	3.68	1.42	0.501366	0.665856	NAC057	NAC domain containing protein 57
13427473	4.19	3.74	1.36	0.23266	0.528589	SRF4; AT3G13062	STRUBBELIG-receptor family 4; lipid-binding START domain-containing protein
13538278	4.19	3.79	1.32	0.299783	0.56286	AT5G51350	putative leucine-rich repeat transmembrane protein kinase
13454811	4.19	3.83	1.28	0.247302	0.535937	AT3G28460	methyltransferase
13372831	4.19	3.87	1.25	0.184227	0.49884	AT1G27110	StaR-like protein domain-containing protein
13462323	4.19	3.94	1.19	0.28816	0.557599	AT3G60040	F-box/LRR-repeat protein
13512057	4.19	4	1.14	0.722096	0.81761	AT5G48175	hypothetical protein
13543908	4.19	4	1.14	0.560151	0.706192	AT5G65740	zinc ion binding protein
13394562	4.19	4.08	1.08	0.782704	0.858679	AT2G19380	RNA recognition motif (RRM)-containing protein
13386587	4.19	4.1	1.06	0.61116	0.740617	AT1G72860	TIR-NBS-LRR class disease resistance protein
13445056	4.19	4.12	1.05	0.744888	0.832432	AT3G05620	pectinesterase 22
13359412	4.19	4.21	-1.01	0.953714	0.972493	emb2184	50S ribosomal protein L31
13437398	4.19	4.26	-1.05	0.682748	0.789883	AT3G49410	Transcription factor IIIC, subunit 5
13443883	4.19	4.33	-1.1	0.378584	0.594492	MCC1	meiotic control of crossovers1 protein

13462068	4.19	4.33	-1.1	0.580559	0.720424	AT3G59570	RabGAP/TBC domain-containing protein
13509344	4.19	4.33	-1.1	0.670588	0.781386	POLA3	DNA primase small subunit
13537358	4.19	4.36	-1.13	0.631347	0.754561	AT5G49320	hypothetical protein
13339203	4.19	4.37	-1.14	0.584082	0.723023	AT1G12250	Pentapeptide repeat-containing protein
13462515	4.19	4.39	-1.15	0.314239	0.568148	HAM2	scarecrow-like protein 22
13425666	4.19	4.42	-1.17	0.601515	0.733237	AT3G07900	O-fucosyltransferase-like protein
13352034	4.19	4.44	-1.19	0.745716	0.832977	AT1G54300	hypothetical protein
13352438	4.19	4.49	-1.24	0.185691	0.500294	AT1G55240	hypothetical protein
13463520	4.19	4.82	-1.55	0.013127	0.305539	AT3G63050	hypothetical protein
13492152	4.19	4.89	-1.63	0.095861	0.431773	ENP	Phototropic-responsive NPH3 family protein
13400119	4.19	5.01	-1.76	0.322723	0.571879	AT2G32960	phosphotyrosine protein phosphatase-like protein
13435149	4.19	5.04	-1.8	0.267249	0.546492	AT3G43580	Beta-galactosidase related protein
13495825	4.19	5.06	-1.82	0.044759	0.374597	AT4G39770	haloacid dehalogenase-like hydrolase domain-containing protein
13497011	4.19	5.13	-1.92	0.193	0.505638	AT5G03490	UDP-glycosyltransferase-like protein
13397090	4.19	5.16	-1.96	0.098606	0.433275	AT2G25625	hypothetical protein
13519442	4.19	5.3	-2.17	0.022901	0.329835	PROPEP2	elicitor peptide 2
13456813	4.19	5.42	-2.36	0.112629	0.443738	AT3G46616	hypothetical protein
13530348	4.18	2.79	2.63	0.003494	0.253459	PGL4	6-phosphogluconolactonase 4
13363780	4.18	3.31	1.83	0.189245	0.503111	AT1G05410	hypothetical protein
13383829	4.18	3.49	1.61	0.023079	0.330115	AT1G66080	hypothetical protein
13345825	4.18	3.53	1.57	0.117616	0.447676	AT1G29380	carbohydrate-binding X8 domain-containing protein
13429872	4.18	3.53	1.56	0.123343	0.453558	AT3G18020	pentatricopeptide repeat-containing protein
13516917	4.18	3.56	1.54	0.069667	0.406403	AT5G59070	glycosyl transferase family 1 protein
13382165	4.18	3.73	1.37	0.394292	0.602714	AT1G62110	Mitochondrial transcription termination factor family protein
13487367	4.18	3.78	1.31	0.20892	0.51438	HEN1	RNA methylase HUA ENHANCER 1
13365258	4.18	3.81	1.29	0.439192	0.629244	AT1G08610	pentatricopeptide repeat-containing protein
13467535	4.18	3.9	1.22	0.656022	0.771935	AT4G11655	hypothetical protein
13395192	4.18	4	1.13	0.596961	0.731118	AT2G20815	hypothetical protein
13407403	4.18	4.02	1.12	0.679745	0.788041	FT1	xyloglucan fucosyltransferase
13544764	4.18	4.04	1.1	0.736066	0.827286	AT5G67550	hypothetical protein
13369415	4.18	4.06	1.09	0.549095	0.698881	GER2	GDP-L-fucose synthase
13382101	4.18	4.06	1.09	0.690631	0.795649	AT1G61860	protein kinase domain-containing protein
13350449	4.18	4.08	1.07	0.739984	0.829115	AT1G50580	UDP-glycosyltransferase-like protein
13334554	4.18	4.14	1.02	0.928697	0.956781	SBTI1.1	subtilase-like protein
13531919	4.18	4.16	1.01	0.962739	0.977985	AT5G28920; AT5G28919	hypothetical protein
13382614	4.18	4.19	-1.01	0.967114	0.980673	AT1G63240	hypothetical protein
13424081	4.18	4.2	-1.02	0.961121	0.977016	SUVR4	histone-lysine N-methyltransferase SUVR4
13360589	4.18	4.29	-1.08	0.834577	0.895313	AT1G78230	Outer arm dynein light chain 1 protein
13451992	4.18	4.32	-1.1	0.823058	0.88685		
13470326	4.18	4.4	-1.16	0.767303	0.848066	NCED2	9-cis-epoxycarotenoid dioxygenase NCED2
13346750	4.18	4.4	-1.17	0.347361	0.58045	AT1G31490	HXXXD-type acyl-transferase-like protein
13510215	4.18	4.72	-1.45	0.195511	0.506402	CLH2	chlorophyllase 2
13468349	4.18	4.83	-1.57	0.450122	0.635507	AT4G14100; AT4G14090	transferase-like protein; anthocyanin 5-O-glucosyltransferase

13430874	4.18	5.03	-1.8	0.044684	0.374597	CYP705A19	cytochrome P450, family 705, subfamily A, polypeptide 19
13538525	4.18	5.14	-1.96	0.473637	0.648287	AT5G52010	C2H2-like zinc finger protein
13449648	4.18	5.28	-2.15	0.406188	0.609452	AT3G15110	hypothetical protein
13412050	4.17	3.26	1.88	0.196912	0.507617	ACL	acetone-cyanohydrin lyase
13357334	4.17	3.58	1.5	0.138422	0.46568	TBL27	trichome birefringence-like 27 protein
13496272	4.17	3.66	1.42	0.338557	0.577393	SCAR4	protein SCAR4
13407634	4.17	3.69	1.4	0.364537	0.589408	AT2G04050	MATE efflux family protein
13359261	4.17	3.75	1.34	0.208985	0.51438	AT1G74860	hypothetical protein
13399621	4.17	3.79	1.3	0.354898	0.584465	AT2G32090	lactoylglutathione lyase / glyoxalase I-like protein
13488826	4.17	3.96	1.16	0.182603	0.497424	MLO13	MLO-like protein 13
13508707	4.17	3.96	1.15	0.076441	0.410833	AT5G40460	hypothetical protein
13367524	4.17	3.98	1.14	0.435018	0.626372	AT1G13540	hypothetical protein
13358577	4.17	4	1.12	0.493701	0.660815	AT1G73090	hypothetical protein
13428210	4.17	4.03	1.1	0.569297	0.711939	CYP72A11	cytochrome P450, family 72, subfamily A, polypeptide 11
13379596	4.17	4.07	1.07	0.795122	0.867821	AT1G54590	splicing factor Prp18 domain-containing protein
13343311	4.17	4.14	1.02	0.905695	0.942323	AT1G22220	F-box protein
13345270	4.17	4.14	1.02	0.85122	0.906149	AT1G27695	glycine-rich protein
13507843	4.17	4.18	-1.01	0.972469	0.984036	AT5G37750	Chaperone DnaJ domain-containing protein
13539919	4.17	4.21	-1.03	0.930306	0.957572	AT5G55950	Nucleotide/sugar transporter family protein
13493696	4.17	4.27	-1.08	0.783275	0.859141	AT4G35060	heavy metal transport/detoxification domain-containing protein
13438013	4.17	4.33	-1.11	0.542682	0.694251	AT3G51280	tetratricopeptide repeat domain-containing protein
13365672	4.17	4.33	-1.12	0.475096	0.649368	AT1G09470; AT1G09460	hypothetical protein; carbohydrate-binding X8 domain-containing protein
13532169	4.17	4.37	-1.15	0.132697	0.462428	EGY1	Peptidase M50 family protein
13459226	4.17	4.41	-1.18	0.794368	0.867289	AT3G52790	peptidoglycan-binding LysM domain-containing protein
13521915	4.17	4.5	-1.25	0.64061	0.760374	AT5G04330	ferulate-5-hydroxylase
13408574	4.17	4.77	-1.51	0.017569	0.319218	AT2G12405	hypothetical protein
13511133	4.17	4.98	-1.75	0.025839	0.33601	AT5G46090	hypothetical protein
13381110	4.17	4.98	-1.75	0.116833	0.446833	AT1G59850; CCB4	ARM repeat-containing protein; cofactor assembly of complex C
13495214	4.17	5.05	-1.84	0.060085	0.395762	AT4G38380	mate efflux domain-containing protein
13539346	4.17	5.11	-1.92	0.178655	0.494539	AT5G54300	hypothetical protein
13384349	4.17	5.36	-2.28	0.084578	0.418673		
13429108	4.17	5.82	-3.14	0.009821	0.296261	AT3G16370	GDSL esterase/lipase APG
13392468	4.16	2.88	2.43	0.105776	0.437428	AT2G09990	40S ribosomal protein S16-1
13419000	4.16	3.26	1.87	0.144945	0.470007	AT2G39440	ribonuclease H2 subunit C
13376280	4.16	3.3	1.81	0.053599	0.384062	AT1G44180	aminoacylase
13437091	4.16	3.34	1.76	0.124171	0.453788	IDN2	XH/XS domain-containing protein
13381368	4.16	3.37	1.73	0.056113	0.388722		
13460216	4.16	3.42	1.67	0.078372	0.414078	AT3G54970	D-aminoacid aminotransferase-like PLP-dependent enzyme-like protein
13467444	4.16	3.51	1.57	0.217979	0.520652	AT4G11390	cysteine/histidine-rich C1 domain-containing protein

13469330	4.16	3.52	1.56	0.164596	0.485865	NRPD4	RNA polymerase II, Rpb4, core protein
13400847	4.16	3.56	1.52	0.351348	0.582477	VSR5	vacuolar-sorting receptor 5
13379713	4.16	3.57	1.51	0.014869	0.313095	AT1G55152	hypothetical protein
13422511	4.16	3.58	1.49	0.492183	0.659734		
13442727	4.16	3.58	1.49	0.492183	0.659734		
13467206	4.16	3.58	1.49	0.492183	0.659734		
13539047	4.16	3.58	1.49	0.492183	0.659734		
13505453	4.16	3.61	1.46	0.067321	0.405555	GDU5	glutamine dumper 5
13494507	4.16	3.63	1.45	0.42176	0.61815	GGPS1	geranylgeranyl pyrophosphate synthase 11
13363763	4.16	3.64	1.43	0.176658	0.49304	AT1G05370	Sec.4-like phosphatidylinositol transfer family protein
13487443	4.16	3.64	1.43	0.176167	0.492524	AT4G21170	pentatricopeptide repeat-containing protein
13356003	4.16	3.69	1.38	0.306573	0.565398	ZFP6	zinc finger protein 6
13433084	4.16	3.76	1.33	0.010339	0.296261	AT3G25430	Poly(A)-specific ribonuclease PARN-like protein
13390533	4.16	3.78	1.3	0.307872	0.56602	AT2G01640	hypothetical protein
13438932	4.16	3.8	1.29	0.108382	0.440354	AT3G53440	DNA binding protein
13403331	4.16	3.8	1.28	0.117139	0.447046	AT2G40570	initiator tRNA phosphoribosyl transferase-like protein
13491136	4.16	3.86	1.23	0.396615	0.604147	AT4G29560	hypothetical protein
13451900	4.16	3.88	1.21	0.577964	0.718014	AT3G20710	F-box protein
13488766	4.16	3.9	1.19	0.450846	0.635828	AT4G24030; AT4G24026	hypothetical protein
13353420	4.16	4.08	1.06	0.803154	0.873071	ZCF125	P-loop containing nucleoside triphosphate hydrolase-like protein
13399238	4.16	4.08	1.06	0.831259	0.89304	AT2G31150; AT2G31141	ATP binding / ATPase; hypothetical protein
13463905	4.16	4.07	1.06	0.576639	0.717121	AT4G00305	RING/U-box domain-containing protein
13368810	4.16	4.09	1.05	0.954424	0.972758	AT1G16510	SAUR-like auxin-responsive protein
13481931	4.16	4.09	1.05	0.74045	0.829451	AGD13	putative ADP-ribosylation factor GTPase-activating protein AGD13
13442892	4.16	4.11	1.04	0.815613	0.88212	AT3G63290	2OG-Fe(II) oxygenase domain-containing protein
13457941	4.16	4.28	-1.08	0.777662	0.855248	AT3G49650	P-loop containing nucleoside triphosphate hydrolase-like protein
13353099	4.16	4.44	-1.21	0.635213	0.757491	AT1G57660; AT1G57860	60S ribosomal protein L21-2
13361034	4.16	4.49	-1.26	0.19316	0.505856	MC7	metacaspase 7
13409137	4.16	4.62	-1.37	0.302486	0.563952	AT2G15930	hypothetical protein
13416539	4.16	4.64	-1.39	0.392213	0.601493	AT2G33847; AT2G33845	hypothetical protein; OB-fold nucleic acid binding domain-containing protein
13424117	4.16	4.76	-1.51	0.367521	0.59069	AT3G04440	Plasma-membrane choline transporter family protein
13374447	4.16	4.83	-1.59	0.255458	0.540321	AT1G31335	hypothetical protein
13362860	4.16	4.9	-1.68	0.253345	0.539247	AT1G03660	Ankyrin-repeat containing protein
13403813	4.16	5.39	-2.35	0.045989	0.376714	CKX1	cytokinin dehydrogenase 1
13476993	4.16	5.61	-2.73	0.004558	0.262483	PME44	pectinesterase 44
13515188	4.16	6.03	-3.66	0.007356	0.288531	AT5G55050	GDSL esterase/lipase
13441620	4.16	9.09	-30.44	0.003883	0.25935	DIN2	beta-glucosidase 30
13344069	4.15	3.32	1.78	0.020264	0.322692	AT1G24240	Ribosomal protein L19 family protein

13441085	4.15	3.42	1.65	0.00576	0.279573	AT3G58900	F-box/LRR-repeat protein
13471375	4.15	3.6	1.46	0.03986	0.365591	AT4G20940	leucine-rich receptor-like protein kinase
13439559	4.15	3.71	1.36	0.279866	0.554052	AT3G54980	pentatricopeptide repeat-containing protein
13405452	4.15	3.73	1.34	0.133259	0.462782	AT2G45720	armadillo/beta-catenin repeat-containing protein
13476222	4.15	3.77	1.3	0.340297	0.578077	GPX7	glutathione peroxidase 7
13349622	4.15	3.78	1.29	0.343934	0.579276	AT1G48510	Surfeit locus 1 cytochrome c oxidase biogenesis protein
13478112	4.15	3.99	1.12	0.411756	0.612949	AT4G35710	hypothetical protein
13339930	4.15	4.05	1.08	0.635842	0.757993	AT1G14180	RING/U-box domain-containing protein
13437618	4.15	4.06	1.06	0.747313	0.834328	VFB2	F-box/LRR-repeat protein 16
13484108	4.15	4.08	1.05	0.498137	0.663899	AT4G13630	hypothetical protein
13473157	4.15	4.09	1.04	0.702073	0.80382	AT4G24970	histidine kinase-like ATPase domain-containing protein
13430335	4.15	4.14	1.01	0.981369	0.989052	AT3G18960; MEF20	AP2/B3 domain-containing transcription factor; mitochondrial editing factor 20
13432079	4.15	4.17	-1.01	0.966109	0.980099	XRCC4	DNA repair protein XRCC4
13449538	4.15	4.18	-1.02	0.789622	0.863875	AT3G14730	pentatricopeptide repeat-containing protein
13537844	4.15	4.2	-1.03	0.928648	0.956766	AT5G50390	pentatricopeptide repeat-containing protein
13449516	4.15	4.25	-1.08	0.715648	0.813205	GGPS3	geranylgeranyl diphosphate synthase 3
13400929	4.15	4.27	-1.09	0.50066	0.665443	AT2G35140	DCD (Development and Cell Death) domain protein
13506635	4.15	4.28	-1.09	0.747551	0.834495	AT5G27730	heparan-alpha-glucosaminide N-acetyltransferase
13495565	4.15	4.43	-1.22	0.384701	0.597921	AT4G39040; EDS5	putative RNA-binding protein containing KH domain protein; enhanced disease susceptibility 5
13544104	4.15	4.47	-1.25	0.589461	0.726742	AT5G66052; AT5G66053	hypothetical protein
13432457	4.15	4.51	-1.29	0.082295	0.417507	KINESIN-12B	putative phragmoplast-associated kinesin-related protein
13488585	4.15	4.6	-1.36	0.309353	0.566775	AT4G23493	hypothetical protein
13444678	4.15	5	-1.8	0.293064	0.559559	AT3G04760	pentatricopeptide repeat-containing protein
13533674	4.15	5.5	-2.55	0.059462	0.39495	NAC094	NAC domain containing protein 94
13402017	4.15	5.62	-2.77	0.087549	0.42349	AT2G37580	RING-H2 finger protein ATL33
13417375	4.15	6.03	-3.68	0.015319	0.313468	scpl28	serine carboxypeptidase-like 28
13492179	4.14	2.83	2.48	0.000094	0.148918		
13339913	4.14	3.02	2.18	0.113409	0.444631	FUT6	Fucosyltransferase 6
13466331	4.14	3.15	2	0.158548	0.481284	AT4G08360	KOW domain-containing protein
13386834	4.14	3.43	1.63	0.135119	0.463827	AT1G73350	hypothetical protein
13536726	4.14	3.47	1.59	0.012488	0.301412	AT5G47920	hypothetical protein
13398746	4.14	3.52	1.53	0.119694	0.450635	UGT71C2	UDP-glucosyl transferase 71C2
13540679	4.14	3.61	1.44	0.08666	0.422315	AT5G57790	hypothetical protein
13447060	4.14	3.66	1.39	0.141101	0.467636	AT3G09800	coatomer subunit zeta-2
13425269	4.14	3.7	1.36	0.277797	0.552487	AT3G06890	hypothetical protein
13403976	4.14	3.76	1.3	0.361248	0.5879	AT2G42100	putative actin-5
13456113	4.14	3.76	1.3	0.413911	0.614047	AT3G44690	hypothetical protein
13543525	4.14	3.9	1.18	0.528823	0.685594	AT5G64780	hypothetical protein
13349633	4.14	3.91	1.17	0.556906	0.70384	GATB	aspartyl-tRNA(Asn)/glutamyl-tRNA (Gln) amidotransferase subunit B

13478934	4.14	3.92	1.17	0.339054	0.577785	AT4G37820	hypothetical protein
13465100	4.14	4.01	1.09	0.683697	0.790597	AT4G02800	hypothetical protein
13389836	4.14	4.06	1.06	0.546523	0.696908	RPS17; GL2	30S ribosomal protein S17; homeobox-leucine zipper protein GLABRA 2
13444183	4.14	4.06	1.06	0.863043	0.914524	CS26	cysteine synthase A
13385393	4.14	4.07	1.05	0.712529	0.81067	AT1G69550	TIR-NBS-LRR class disease resistance protein
13488283	4.14	4.06	1.05	0.887322	0.930967	AT4G22980	hypothetical protein
13474562	4.14	4.12	1.01	0.964938	0.979392	ULT1	protein ULTRAPETALA 1
13436670	4.14	4.17	-1.02	0.743724	0.831848	AT3G47840	pentatricopeptide repeat-containing protein
13532092	4.14	4.25	-1.08	0.176983	0.4933	GUS3	Heparanase-like protein 3
13356461	4.14	4.27	-1.1	0.462738	0.643006	AT1G68080	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase domain-containing protein
13459655	4.14	4.28	-1.1	0.421646	0.61811	UPP	uracil phosphoribosyltransferase
13510996	4.14	4.46	-1.25	0.375823	0.593207	AT5G45700	haloacid dehalogenase-like hydrolase domain-containing protein
13380881	4.14	4.56	-1.34	0.069093	0.406403	AT1G58280	phosphoglycerate mutase-like protein
13342933	4.14	4.6	-1.37	0.289716	0.558085	GLTP2	glycolipid transfer protein 2
13339470	4.14	4.8	-1.57	0.085596	0.420651	NUDT12	nudix hydrolase 12
13451304	4.14	4.82	-1.6	0.111805	0.443131	PUB25	U-box domain-containing protein 25
13537526	4.14	4.86	-1.65	0.09051	0.42768	AT5G49690	UDP-glycosyltransferase-like protein
13346517	4.14	5.06	-1.9	0.203847	0.511039	AT1G30870	peroxidase 7
13487271	4.14	5.1	-1.94	0.02695	0.340162	AT4G20460; AT4G20470	putative UDP-arabinose 4-epimerase 3; hypothetical protein
13434576	4.14	5.57	-2.68	0.183615	0.498367	AT3G29300	hypothetical protein
13392804	4.14	5.67	-2.88	0.334132	0.576298	AT2G13950	Cysteine/Histidine-rich C1 domain family protein
13496963	4.13	2.87	2.4	0.043927	0.373351	AT5G03406	ATP binding / aminoacyl-tRNA ligase/ histidine-tRNA ligase/ nucleotide binding protein
13506054	4.13	3.1	2.05	0.0096	0.296261	AT5G26690	heavy-metal-associated domain-containing protein
13537292	4.13	3.41	1.64	0.013905	0.310827	AT5G49140	TIR-NBS-LRR class disease resistance protein
13377369	4.13	3.51	1.53	0.039816	0.365591	AT1G49180	protein kinase-like protein
13402294	4.13	3.63	1.42	0.021569	0.325381	TBL34	trichome birefringence-like 34 protein
13439647	4.13	3.67	1.38	0.019438	0.321499	AT3G55250	hypothetical protein
13455934	4.13	3.7	1.35	0.340091	0.578064	AT3G44160	Outer membrane OMP85 family protein
13423942	4.13	3.72	1.32	0.519731	0.678735	AT3G03870; PYK10	hypothetical protein; beta-glucosidase 23
13519638	4.13	3.73	1.32	0.349302	0.581187	AT5G65220	50S ribosomal protein L29
13484788	4.13	3.75	1.3	0.238123	0.532053	AT4G14905	F-box/kelch-repeat protein
13359192	4.13	3.77	1.28	0.56645	0.71067	TRZ1	nuclear ribonuclease Z
13374423	4.13	3.81	1.25	0.507773	0.670904	AT1G31240	Bromodomain transcription factor
13513334	4.13	3.92	1.16	0.260642	0.542969	AT5G50990	pentatricopeptide repeat-containing protein
13490272	4.13	3.93	1.15	0.327079	0.574063	HTA2	histone H2A 2
13423575	4.13	4.02	1.08	0.780661	0.857327	AT3G03030	F-box/LRR-repeat protein
13457799	4.13	4.06	1.05	0.771649	0.851289	PGL2	6-phosphogluconolactonase 2
13395807	4.13	4.09	1.03	0.557945	0.704524	AT2G22260	oxidoreductase, 2OG-Fe(II) oxygenase-like protein
13486518	4.13	4.11	1.01	0.757669	0.841371	AT4G18440	adenylosuccinate lyase

13505761	4.13	4.11	1.01	0.880071	0.926556	AT5G25754; AT5G25757	RNA polymerase I-associated factor PAF67
13356820	4.13	4.18	-1.03	0.932766	0.959211	AT1G68935; AT1G68940	hypothetical protein; putative U-box domain-containing protein 42
13474506	4.13	4.2	-1.05	0.656146	0.772008	AT4G28010	pentatricopeptide repeat-containing protein
13455368	4.13	4.22	-1.07	0.488969	0.657839	PDR10	ABC transporter G family member 38
13504388	4.13	4.24	-1.08	0.72627	0.820708	AT5G22200	late embryogenesis abundant hydroxyproline-rich glycoprotein
13511193	4.13	4.24	-1.08	0.333527	0.576298	AT5G46390	Peptidase S41 family protein
13434468	4.13	4.29	-1.11	0.852815	0.907386	AT3G28918	hypothetical protein
13369774	4.13	4.34	-1.15	0.527487	0.68447	AT1G18550	ATP binding microtubule motor family protein
13495601	4.13	4.33	-1.15	0.82336	0.88705	AT4G39110	putative receptor-like protein kinase
13394256	4.13	4.36	-1.17	0.144591	0.46975	AT2G18721	hypothetical protein
13434104	4.13	4.4	-1.21	0.156231	0.478985	AT3G27880	hypothetical protein
13353308	4.13	4.54	-1.33	0.003077	0.253459	RXW8	lipase/hydrolase
13441521	4.13	4.55	-1.33	0.497551	0.663564	AT3G59940	F-box/kelch-repeat protein SKIP20
13444532	4.13	4.55	-1.34	0.351552	0.582655	AT3G04360	Calcium-dependent lipid-binding (CaLB domain) family protein
13505758	4.13	4.55	-1.35	0.099973	0.434356	AT5G25750	hypothetical protein
13468233	4.13	4.65	-1.44	0.064257	0.400717	PTAC5	protein plastid transcriptionally active 5
13370343	4.13	4.79	-1.58	0.121144	0.45228	EXPA11	expansin-A11
13358498	4.13	4.91	-1.71	0.105875	0.437609	AT1G72920	Toll-Interleukin-Resistance domain-containing protein
13419321	4.13	4.97	-1.78	0.033829	0.354028	AT2G40230	HXXXD-type acyl-transferase-like protein
13520188	4.13	5.74	-3.05	0.040064	0.365591	PSBO1	oxygen-evolving enhancer protein 1-1
13383205	4.13	7.22	-8.48	0.000242	0.180656	AMT1;2	ammonium transporter 1;2
13412683	4.12	2.75	2.59	0.011578	0.299497	AT2G25200	hypothetical protein
13457028	4.12	2.81	2.48	0.10514	0.43719	AT3G47090	leucine-rich repeat protein kinase-like protein
13344966	4.12	3.09	2.04	0.015651	0.315212	AT1G27060	regulator of chromosome condensation-like protein
13504582	4.12	3.15	1.96	0.145276	0.470051	AT5G22690	TIR-NBS-LRR class disease resistance protein
13389735	4.12	3.2	1.88	0.094446	0.430979	AT1G79720; AT1G79710	aspartyl protease-like protein; major facilitator protein
13382394	4.12	3.22	1.87	0.114966	0.446247	ANAC026	NAC domain containing protein 26
13353302	4.12	3.36	1.7	0.001877	0.253459	RBP1	RNA-binding protein 1
13478841	4.12	3.51	1.52	0.102294	0.435554	AT4G37608	hypothetical protein
13356818	4.12	3.72	1.32	0.098084	0.433275	AT1G68930	pentatricopeptide repeat-containing protein
13359027	4.12	3.74	1.3	0.267761	0.546492	AT1G74150	kelch motif-containing protein
13466415	4.12	3.8	1.25	0.092801	0.4297	AT4G08580	microfibrillar-associated protein-like protein
13451094	4.12	3.81	1.24	0.145178	0.470007	MEF20; AT3G18960	mitochondrial editing factor 20; AP2/B3 domain-containing transcription factor
13400405	4.12	3.85	1.21	0.484076	0.654325	AT2G33793; AT2G33796	hypothetical protein; FBD-like domain family protein
13397354	4.12	3.9	1.16	0.066417	0.403288	AT2G26267	hypothetical protein
13412686	4.12	3.9	1.16	0.509879	0.672017	AT2G25220	protein kinase domain-containing protein
13392706	4.12	3.95	1.12	0.663067	0.776281	AT2G13600	pentatricopeptide repeat-containing protein
13512352	4.12	4.03	1.07	0.59902	0.731685	AT5G48780	TIR-NBS class disease resistance protein

13346079	4.12	4.04	1.06	0.709476	0.80899	AT1G30010; AT1G30020	Intron maturase, type II-like protein; hypothetical protein
13407183	4.12	4.04	1.06	0.854693	0.908775	ISPD	2-C-methyl-D-erythritol 4-phosphate cytidylyltransferase
13467625	4.12	4.05	1.05	0.093	0.429815	AT4G11876	hypothetical protein
13498896	4.12	4.07	1.03	0.717442	0.81437	AT5G07670	F-box protein
13534282	4.12	4.09	1.02	0.91048	0.945821	CHX18	cation/H(+) antiporter 18
13378825	4.12	4.19	-1.05	0.85046	0.905828	AT1G52790	oxidoreductase, 2OG-Fe(II) oxygenase family protein
13519993	4.12	4.19	-1.05	0.649345	0.76673	AT5G66010	RNA recognition motif-containing protein
13415885	4.12	4.26	-1.1	0.788342	0.862877	ARASP; AT2G32470	serine protease; F-box associated ubiquitination effector family protein
13444756	4.12	4.3	-1.13	0.093455	0.430293	AT3G04980	DNAJ heat shock N-terminal domain-containing protein
13513980	4.12	4.35	-1.17	0.318992	0.57007	AT5G52420; AT5G52430	hypothetical protein; hydroxyproline-rich glycoprotein family protein
13493519	4.12	4.44	-1.25	0.115062	0.446247	BLH6	BEL1-like homeodomain 6
13430288	4.12	4.87	-1.68	0.034525	0.355201	AT3G18880	Nucleic acid-binding, OB-fold-like protein
13420734	4.12	5.02	-1.86	0.589716	0.726828		
13465647	4.12	6.17	-4.12	0.020005	0.322692	AT4G04460	phytepsin
13545313	4.12	7.06	-7.66	0.424071	0.619568	ArthMp066	hypothetical protein
13360686	4.11	2.98	2.19	0.104244	0.4366	AT1G78500	pentacyclic triterpene synthase 6
13342632	4.11	3.14	1.96	0.370197	0.591914	AT1G20600	AP2/B3 domain-containing protein
13345996	4.11	3.16	1.93	0.082576	0.417856	AT1G29830	Magnesium transporter CorA-like family protein
13358484	4.11	3.23	1.84	0.025256	0.335081	AT1G72890	TIR-NBS class of disease resistance protein
13349373	4.11	3.43	1.61	0.382457	0.597016	AT1G47813	hypothetical protein
13356070	4.11	3.46	1.57	0.013078	0.30516	AT1G67210	proline-rich domain-containing protein
13356757	4.11	3.55	1.47	0.146604	0.470962	RAV2	AP2/ERF and B3 domain-containing transcription factor RAV2
13515291	4.11	3.68	1.35	0.391509	0.600828	AT5G55220	trigger factor type chaperone family protein
13382703	4.11	3.72	1.31	0.266541	0.546291	AT1G63390	FAD/NAD(P)-binding oxidoreductase family protein
13350749	4.11	3.82	1.22	0.662845	0.77624	AT1G51355	hypothetical protein
13469570	4.11	3.84	1.2	0.097726	0.433275	AT4G16510	YbaK/aminoacyl-tRNA synthetase-associated domain-containing protein
13337937	4.11	3.87	1.18	0.265026	0.545766	AT1G09410	pentatricopeptide repeat-containing protein
13447068	4.11	3.9	1.16	0.003215	0.253459	AT3G09850	D111/G-patch domain-containing protein
13396561	4.11	3.96	1.11	0.248745	0.536581	AT2G24130	putative leucine-rich repeat transmembrane protein kinase
13454776	4.11	3.99	1.09	0.781637	0.857901	AT3G28420	Putative membrane lipoprotein
13337337	4.11	4.08	1.03	0.932994	0.959341	AT1G08390	hypothetical protein
13430202	4.11	4.06	1.03	0.607412	0.737628	AT3G18560	hypothetical protein
13395172	4.11	4.18	-1.05	0.852549	0.907204	GCL2; AT2G20780	protein GCR2-LIKE 2; putative polyol transporter 4
13495786	4.11	4.27	-1.12	0.193241	0.505856	AT4G39630	hypothetical protein
13406564	4.11	4.41	-1.23	0.060543	0.396632	RPH1; AT2G48075	resistance to phytophthora 1 protein; hypothetical protein
13487869	4.11	4.41	-1.23	0.232584	0.528538	SCRL14	putative defensin-like protein 234
13385090	4.11	4.52	-1.32	0.224963	0.524988	RTFL15	protein ROTUNDIFOLIA like 15

13427137	4.11	4.69	-1.5	0.060343	0.395999	ACT11	actin-11
13434329	4.11	4.88	-1.7	0.567239	0.71093	AT3G28590	hypothetical protein
13478898	4.11	4.97	-1.82	0.062718	0.398459	ANT	AP2-like ethylene-responsive transcription factor ANT
13422756	4.11	5.64	-2.89	0.157161	0.479776	RP2	pyruvate, phosphate dikinase regulatory protein 2
13465108	4.1	3.04	2.08	0.021071	0.324489	AT4G02810	hypothetical protein
13382691	4.1	3.14	1.94	0.084701	0.418724	AT1G63350	CC-NBS-LRR class disease resistance protein
13422439	4.1	3.29	1.74	0.027865	0.344226	HRE2	ethylene-responsive transcription factor ERF071
13529813	4.1	3.37	1.66	0.033053	0.354018	AT5G23350	GEM-like protein 6
13405459	4.1	3.4	1.62	0.032325	0.353134	PEX11D	peroxisomal membrane protein 11D
13525892	4.1	3.52	1.49	0.105197	0.43719	AT5G14020	Endosomal targeting BRO1-like domain-containing protein
13487248	4.1	3.58	1.44	0.185949	0.500322	smB	small nuclear ribonucleoprotein associated protein B
13354266	4.1	3.59	1.42	0.065564	0.402176	AT1G61970	Mitochondrial transcription termination factor family protein
13340061	4.1	3.62	1.39	0.456455	0.639006	AT1G14470	pentatricopeptide repeat-containing protein
13429743	4.1	3.78	1.24	0.378174	0.594377	AT3G17830	molecular chaperone Hsp40/DnaJ family protein
13365530	4.1	3.93	1.13	0.567963	0.711172	AT1G09190	pentatricopeptide repeat-containing protein
13381047	4.1	3.95	1.11	0.687601	0.793288	BPEp	transcription factor BPE
13342979	4.1	4.04	1.04	0.638721	0.759393	AT1G21560	hypothetical protein
13370278	4.1	4.04	1.04	0.815379	0.881934	AT1G20060	ATP binding microtubule motor family protein
13342573	4.1	4.06	1.03	0.803757	0.873563	AT1G20300; AT1G20290	pentatricopeptide repeat-containing protein; SWI-SNF-related chromatin binding protein
13346788	4.1	4.06	1.03	0.824919	0.888269	AT1G31720	hypothetical protein
13475064	4.1	4.06	1.03	0.936758	0.961654	emb2726	elongation factor Ts family protein
13540370	4.1	4.43	-1.25	0.638079	0.759072	AT5G57170	macrophage migration inhibitory factor family protein
13335173	4.1	4.48	-1.3	0.163256	0.484932	RAB28	responsive to abscisic acid 28
13454438	4.1	4.55	-1.36	0.574445	0.716007	AT3G27473	cysteine/histidine-rich C1 domain-containing protein
13413855	4.1	4.57	-1.38	0.016102	0.315398	AT2G27610	pentatricopeptide repeat-containing protein
13408864	4.1	4.61	-1.42	0.039247	0.364658	AT2G14520	CBS and transporter associated domain-containing protein
13338470	4.1	4.62	-1.43	0.042852	0.369928	AT1G10652	hypothetical protein
13469805	4.1	4.7	-1.51	0.137938	0.46568	AT4G17100	hypothetical protein
13539206	4.1	4.74	-1.56	0.5298	0.686334	AT5G54030	cysteine/histidine-rich C1 domain-containing protein
13358464	4.1	4.86	-1.69	0.015246	0.313468	AT1G72800	RNA-binding (RRM/RBD/RNP motifs) family protein
13541214	4.1	5.05	-1.94	0.3755	0.593207	AT5G59060	hypothetical protein
13376380	4.1	5.07	-1.95	0.401877	0.606941	AT1G44990	hypothetical protein
13418587	4.1	5.14	-2.06	0.139835	0.466381	AT2G38500	hypothetical protein
13544246	4.1	5.23	-2.19	0.444243	0.63204	AT5G66330	leucine-rich repeat-containing protein
13503687	4.1	5.3	-2.3	0.027954	0.344388	AT5G19730	pectinesterase

13530750	4.1	5.54	-2.71	0.00842	0.293015	ENODL13	early nodulin-like protein 3
13545221	4.1	6.5	-5.27	0.366126	0.590066	AT2G07692; ArthMp106	hypothetical protein
13414084	4.09	3.18	1.88	0.151715	0.473983	AT2G28330	hypothetical protein
13353171	4.09	3.26	1.78	0.348078	0.580705	AT1G58070	hypothetical protein
13532532	4.09	3.48	1.53	0.169597	0.48788	HCF109	high chlorophyll fluorescent 109 protein
13441818	4.09	3.51	1.5	0.151215	0.473698	AT3G60580	C2H2-like zinc finger protein
13469826	4.09	3.55	1.45	0.214152	0.518562	AT4G17180	O-Glycosyl hydrolases family 17 protein
13405106	4.09	3.56	1.44	0.034144	0.354242	AT2G44850	hypothetical protein
13434571	4.09	3.66	1.35	0.030115	0.350098	emb2076	pentatricopeptide repeat-containing protein
13537185	4.09	3.69	1.32	0.016631	0.316275	AT5G48830	hypothetical protein
13514848	4.09	3.74	1.28	0.184926	0.499503	MRE11	double-strand break repair protein MRE11
13504299	4.09	3.74	1.27	0.02506	0.334806	PAA2	P-type ATPase
13523124	4.09	3.78	1.24	0.596646	0.730925	AT5G07475	plastocyanin-like domain-containing protein
13450361	4.09	3.81	1.22	0.439867	0.629612	PPR40	pentatricopeptide repeat-containing protein
13529743	4.09	3.86	1.18	0.480053	0.652001	CaS	calcium sensing receptor
13528693	4.09	3.95	1.1	0.64485	0.763568	AT5G20450	hypothetical protein
13431269	4.09	3.96	1.09	0.808788	0.87745	AT3G20890	RNA-binding (RRM/RBD/RNP motifs) family protein
13525067	4.09	4.04	1.04	0.620536	0.747387	HSP17.6A	heat shock protein 17.6A
13529982	4.09	4.05	1.03	0.902109	0.940028	AT5G23680	Sterile alpha motif (SAM) domain-containing protein
13456619	4.09	4.06	1.02	0.965026	0.979392	HTB11	histone H2B
13491950	4.09	4.08	1.01	0.989061	0.993824	AT4G31355	hypothetical protein
13538980	4.09	4.11	-1.01	0.902637	0.940375	AT5G53205	hypothetical protein
13544600	4.09	4.13	-1.03	0.297353	0.56231	EPS1	HXXXD-type acyl-transferase-like protein
13387542	4.09	4.21	-1.09	0.768896	0.849236	AT1G75090; BZR1	DNA-3-methyladenine glycosylase I; brassinazole-resistant 1 protein
13350319	4.09	4.27	-1.13	0.197069	0.507663	AT1G50350	hypothetical protein
13458893	4.09	4.31	-1.17	0.461949	0.642617	AT3G51940	hypothetical protein
13464019	4.09	4.39	-1.23	0.722552	0.817896	AT4G00525	hypothetical protein
13354426	4.09	4.43	-1.26	0.439023	0.62918	AT1G62600; AT1G62610	flavin-containing monooxygenase-like protein; Rossmann-fold NAD(P)-binding domain-containing protein
13525945	4.09	4.47	-1.3	0.521899	0.680261	AT5G14150	hypothetical protein
13539844	4.09	4.54	-1.36	0.155116	0.477992	FLA1	fasciclin-like arabinogalactan protein 1
13341621	4.09	4.62	-1.45	0.093327	0.430177	AT1G18090	5'-3' exonuclease family protein
13512430	4.09	4.71	-1.53	0.145795	0.470399	AT5G48990	F-box/kelch-repeat protein
13420275	4.09	4.72	-1.55	0.284358	0.556165	CYP712A1	cytochrome P450, family 712, subfamily A, polypeptide 1
13472153	4.09	4.74	-1.57	0.304516	0.564977		
13343592	4.09	4.76	-1.59	0.11475	0.44594	CEL5	endoglucanase 3
13530071	4.09	4.89	-1.75	0.047191	0.377622	PEL3	BAHD acyltransferase DCR
13524907	4.09	5.12	-2.05	0.377086	0.59368	AT5G11620	RING zinc-finger domain-containing protein
13493118	4.09	5.14	-2.07	0.31498	0.568201	AT4G33660	hypothetical protein
13532309	4.09	5.71	-3.06	0.220239	0.52188	AT5G35604	hypothetical protein
13438558	4.09	5.73	-3.12	0.028212	0.345491	AT3G52460	hydroxyproline-rich glycoprotein family protein
13538764	4.09	5.91	-3.54	0.010399	0.296261	AT5G52790	CBS domain-containing protein with a domain of unknown function (DUF21)

13342073	4.08	3.21	1.83	0.065181	0.401596	TTN10; AT3G55490; AT1G19070	GINS complex protein; F-box protein
13359991	4.08	3.28	1.74	0.284731	0.55631	AT1G76870	hypothetical protein
13530220	4.08	3.28	1.74	0.113157	0.444281	AT5G24240	phosphatidylinositol 3- and 4-kinase family protein / ubiquitin family protein
13492742	4.08	3.41	1.59	0.109306	0.440715	EDA39	calmodulin-binding protein
13449069	4.08	3.54	1.46	0.203744	0.511039	LDL2	Lysine-specific histone demethylase 1-2
13348327	4.08	3.57	1.42	0.067419	0.405555	AT1G36675	glycine-rich protein
13369092	4.08	3.67	1.33	0.281538	0.554731	AT1G17270	peptide-O-fucosyltransferase
13373479	4.08	3.77	1.24	0.160792	0.483101	AT1G28710	nucleotide-diphospho-sugar transferase domain-containing protein
13388600	4.08	3.78	1.23	0.343216	0.579024	AT1G77540	Acyl-CoA N-acyltransferase-like protein
13381845	4.08	3.89	1.14	0.56621	0.71054	AT1G61310	LRR and NB-ARC domain-containing disease resistance protein
13416473	4.08	3.96	1.09	0.375014	0.593207	AT2G33735	chaperone DnaJ-domain containing protein
13432867	4.08	3.97	1.08	0.645296	0.763811	AT3G24760	F-box/kelch-repeat protein
13421455	4.08	3.98	1.07	0.857875	0.911345		
13466651	4.08	3.99	1.06	0.742572	0.830949	AT4G09210; AT4G09260	hypothetical protein
13384108	4.08	4.01	1.05	0.91137	0.946225	AT1G66870	carbohydrate-binding X8 domain-containing protein
13502168	4.08	4.01	1.05	0.888415	0.931703	AT5G16230	acyl-[acyl-carrier-protein] desaturase
13347312	4.08	4.04	1.03	0.883059	0.92871	AT1G33080	MATE efflux family protein
13456432	4.08	4.05	1.03	0.938321	0.96281	AT3G45610	Dof zinc finger protein DOF3.2
13479784	4.08	4.11	-1.02	0.934542	0.960415	POR	C-CAP/cofactor C-like domain-containing protein
13531321	4.08	4.15	-1.05	0.630074	0.753878	AT5G26840	hypothetical protein
13531802	4.08	4.26	-1.14	0.499008	0.664402	BGLU24	beta glucosidase 24
13509580	4.08	4.29	-1.16	0.33168	0.576146	AT5G42330	hypothetical protein
13334999	4.08	4.31	-1.17	0.368138	0.590886	GATL5	galacturonosyltransferase 5
13346095	4.08	4.38	-1.23	0.365523	0.589801	NCED5	9-cis-epoxycarotenoid dioxygenase
13406244	4.08	4.57	-1.4	0.0421	0.368598	AT2G47440	tetratricopeptide repeat-containing protein
13453774	4.08	4.58	-1.42	0.200427	0.509842	NIMIN-2	NIM1-interacting 2 protein
13335550	4.08	4.62	-1.44	0.325676	0.57345	BARD1	BRCA1-associated RING domain protein 1
13427742	4.08	4.63	-1.46	0.606143	0.736694	AT3G13650	disease resistance-responsive, dirigent domain-containing protein
13420511	4.08	4.78	-1.62	0.208553	0.51419	AT2G42690	alpha/beta-hydrolase domain-containing protein
13435643	4.08	4.79	-1.63	0.025088	0.334806	ACD1	pheophorbide a oxygenase
13418256	4.08	4.82	-1.67	0.077157	0.412413	AT2G37660	NAD(P)-binding Rossmann-fold-containing protein
13457589	4.08	4.82	-1.67	0.145155	0.470007	PHT3;2	phosphate transporter 3;2
13351581	4.08	4.87	-1.74	0.163072	0.484829	AT1G53270	ABC transporter G family member 10
13343814	4.08	4.95	-1.82	0.030945	0.351017	AT1G23410	40S ribosomal protein S27a-1
13413073	4.08	4.97	-1.86	0.02516	0.335081	PYL2	abscisic acid receptor PYL2
13359139	4.08	5.02	-1.92	0.013924	0.310939	AT1G74470	geranylgeranyl diphosphate reductase
13361406	4.08	5.07	-1.99	0.274115	0.550583	PP2-B11	F-box protein PP2-B11
13460646	4.08	5.44	-2.57	0.044234	0.374287	MRLK	putative leucine-rich repeat receptor-like protein kinase IMK3

13545329	4.08	5.55	-2.78	0.523846	0.681693	AT2G07771; ccb256; ArthMp078	putative cytochrome c biosynthesis ccmC-like mitochondrial protein; cytochrome c biogenesis orf256; hypothetical protein
13499780	4.08	5.65	-2.98	0.00166	0.250556	PROPEP4	elicitor peptide 4
13387713	4.08	6.39	-4.95	0.011057	0.297771	CKX5	cytokinin dehydrogenase 5
13545321	4.08	6.53	-5.44	0.42555	0.620492	ArthMp071	hypothetical protein
13469195	4.07	2.67	2.64	0.155062	0.477992	AT4G15690	monothiol glutaredoxin-S5
13461555	4.07	2.74	2.51	0.013202	0.305797	RTM3	restricted tev movement 3
13483809	4.07	3.13	1.93	0.116086	0.446792	AT4G13070	RNA-binding CRS1 / YhbY (CRM) domain protein
13509256	4.07	3.2	1.83	0.047282	0.377622	UBC8; AT5G41080	ubiquitin-conjugating enzyme E2 8; glycerophosphoryl diester phosphodiesterase family protein
13513525	4.07	3.21	1.81	0.171058	0.489034	AT5G51370	F-box protein
13384754	4.07	3.36	1.64	0.266603	0.546291	AT1G67950; NAP3	RNA recognition motif-containing protein; ABC transporter I family member 17
13509939	4.07	3.41	1.58	0.045351	0.375052	AT5G43120	ARM-repeat/tetratricopeptide repeat-like protein
13463174	4.07	3.45	1.54	0.249587	0.537218	EDA32	Putative endonuclease or glycosyl hydrolase
13392934	4.07	3.53	1.45	0.146138	0.470765	XTH10	xyloglucan:xyloglucosyl transferase
13355569	4.07	3.55	1.43	0.010868	0.297771	EXPB2	putative expansin-B2
13494730	4.07	3.61	1.38	0.299361	0.562613	CYP81D3	cytochrome P450, family 81, subfamily D, polypeptide 3
13502931	4.07	3.6	1.38	0.190775	0.50408	MYR1	myb-related protein 1
13376449	4.07	3.69	1.31	0.010415	0.296261	AT1G45207	remorin-like protein
13475756	4.07	3.68	1.31	0.080666	0.415438		
13350804	4.07	3.69	1.3	0.312479	0.567564	AT1G51430	hypothetical protein
13462116	4.07	3.74	1.26	0.042046	0.368598	IQD13	protein IQ-domain 13
13409929	4.07	3.77	1.23	0.704564	0.805513	VND1	vascular related NAC-domain protein 1
13342544	4.07	3.81	1.2	0.02475	0.333855	SK4	S-phase kinase-associated protein 1
13416509	4.07	3.81	1.2	0.347959	0.580705	AT2G33800	30S ribosomal protein S5
13521598	4.07	3.82	1.19	0.165515	0.485944	AT5G03555	nucleobase:cation symporter-1, NCS1 family
13407872	4.07	3.87	1.15	0.031891	0.352653	AT2G04845	Acyl-CoA N-acyltransferase domain-containing protein
13373785	4.07	3.98	1.06	0.621645	0.747876	AT1G29730	Leucine-rich repeat transmembrane protein kinase
13512187	4.07	3.98	1.06	0.831911	0.893627	AT5G48470	hypothetical protein
13527482	4.07	4.01	1.04	0.764733	0.846076	AT5G17540	HXXXD-type acyl-transferase-like protein
13417036	4.07	4.03	1.03	0.905465	0.942165	URED	urease accessory protein D
13450249	4.07	4.04	1.02	0.964761	0.979322	TOC120; AT3G16610	translocase of chloroplast 120; pentatricopeptide repeat-containing protein
13338084	4.07	4.09	-1.01	0.962117	0.977707	AT1G09710	DNA binding protein
13522135	4.07	4.09	-1.01	0.980443	0.988396	AT5G04970	Putative pectinesterase/pectinesterase inhibitor 47
13339434	4.07	4.09	-1.02	0.962967	0.978092	AT1G12775	pentatricopeptide repeat-containing protein
13424737	4.07	4.11	-1.03	0.776027	0.85426	AT3G05625	tetratricopeptide repeat-containing protein
13387424	4.07	4.16	-1.07	0.658177	0.773567	NDH-O	NAD(P)H:plastoquinone dehydrogenase complex subunit O
13336876	4.07	4.24	-1.12	0.683134	0.790203	AT1G07175	hypothetical protein

13390003	4.07	4.3	-1.17	0.372879	0.592245	AT1G80320; GA3OX4	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase-like protein; gibberellin 3-beta-dioxygenase 4
13395680	4.07	4.3	-1.17	0.309051	0.566591	AT2G21830	Cysteine/Histidine-rich C1 domain family protein
13390831	4.07	4.31	-1.18	0.406569	0.609612	AT2G02440	hypothetical protein
13414745	4.07	4.3	-1.18	0.368027	0.590874	AT2G30120	hypothetical protein
13420295	4.07	4.51	-1.36	0.230888	0.527788	AT2G42290	leucine-rich repeat-like protein
13441448	4.07	4.57	-1.41	0.392944	0.601806	AT3G59680	hypothetical protein
13485761	4.07	4.58	-1.42	0.076625	0.411241	AT4G16970	cell division control protein 7
13521768	4.07	4.6	-1.44	0.613576	0.742468	AT5G03944	hypothetical protein
13527741	4.07	4.6	-1.44	0.243709	0.534763	MYR1	myb-related protein 1
13420220	4.07	4.91	-1.8	0.1143	0.445324	AT2G42110	hypothetical protein
13373267	4.07	5.16	-2.14	0.04955	0.378802	AT1G28310	Dof zinc finger protein DOF1.4
13506970	4.07	5.57	-2.82	0.130282	0.460266	AT5G28821	hypothetical protein
13356922	4.07	5.99	-3.76	0.388081	0.59911		
13390365	4.07	5.99	-3.76	0.388081	0.59911		
13401413	4.07	5.99	-3.76	0.388081	0.59911		
13437842	4.07	5.99	-3.76	0.388081	0.59911		
13533096	4.07	5.99	-3.76	0.388081	0.59911		
13543864	4.07	5.99	-3.76	0.388081	0.59911		
13545229	4.07	6.77	-6.47	0.310219	0.566973	ArthMp111	hypothetical protein
13434456	4.06	3	2.09	0.020748	0.324125	AT3G28899	hypothetical protein
13499591	4.06	3.42	1.56	0.008288	0.292829	AT5G09445	hypothetical protein
13406101	4.06	3.46	1.52	0.046568	0.377399	DUF5	hypothetical protein
13393625	4.06	3.48	1.49	0.389708	0.599938	AT2G17140	pentatricopeptide repeat-containing protein
13441468	4.06	3.56	1.41	0.180677	0.496161	AT3G59780; AT1G05410	rhodanese/Cell cycle control phosphatase-like protein; hypothetical protein
13338735	4.06	3.59	1.39	0.082471	0.417792	AT1G11200	hypothetical protein
13511260	4.06	3.61	1.37	0.126284	0.455497	AT5G46460	pentatricopeptide repeat-containing protein
13502861	4.06	3.72	1.27	0.041448	0.367619	DRT101	phosphoacetylglucosamine mutase
13532461	4.06	3.72	1.26	0.404724	0.608789	AT5G35960	protein kinase-like protein
13423500	4.06	3.78	1.22	0.467309	0.645127		
13418529	4.06	3.81	1.19	0.510396	0.672386	AT2G38300	myb-like HTH transcriptional regulator-like protein
13340385	4.06	3.84	1.16	0.693252	0.797618	AT1G15430	hypothetical protein
13399690	4.06	3.85	1.16	0.467686	0.645349	AT2G32200	hypothetical protein
13520947	4.06	3.95	1.08	0.211052	0.516304	AT5G01660	hypothetical protein
13460474	4.06	3.99	1.05	0.894947	0.935294	ROPGEF6	ROP (rho of plants) guanine nucleotide exchange factor 6
13526289	4.06	4	1.04	0.862366	0.914281	AT5G14770	pentatricopeptide repeat-containing protein
13428641	4.06	4.03	1.02	0.905068	0.94191	ATA20; AT3G15395	anther 20; hypothetical protein
13359532	4.06	4.27	-1.15	0.169194	0.487689	AT1G75710	C2H2-like zinc finger protein
13519425	4.06	4.29	-1.17	0.637157	0.75859	AT5G64816	hypothetical protein
13381439	4.06	4.3	-1.18	0.383151	0.597469	AT1G60630	leucine-rich repeat protein kinase-like protein
13343878	4.06	4.4	-1.27	0.400213	0.60596	AT1G23530	hypothetical protein
13380496	4.06	4.46	-1.32	0.26284	0.543826	AT1G56680	chitinase-like protein
13392099	4.06	4.57	-1.43	0.274749	0.550583	AT2G06908	hypothetical protein
13399685	4.06	4.61	-1.46	0.057958	0.39275	AT2G32190	hypothetical protein

13520871	4.06	4.64	-1.5	0.188165	0.502412	AT5G01445	hypothetical protein
13450445	4.06	4.8	-1.68	0.243206	0.534289	AT3G17130	plant invertase/pectin methylesterase inhibitor domain-containing protein
13345566	4.06	4.83	-1.7	0.270695	0.54852	ERF12	ethylene-responsive transcription factor 12
13355801	4.06	4.93	-1.83	0.079083	0.414078	RHD6	transcription factor bHLH83
13448724	4.06	4.99	-1.91	0.055762	0.388357	MRP7	ABC transporter C family member 7
13372336	4.06	5.41	-2.54	0.156402	0.479127	KCS5	3-ketoacyl-CoA synthase 5
13521486	4.05	2.56	2.81	0.01257	0.301412	AT5G03310	SAUR-like auxin-responsive protein
13364690	4.05	2.98	2.11	0.062144	0.398248	AT1G07480; AT1G07476	Transcription factor IIA, alpha/beta subunit; hypothetical protein
13459985	4.05	2.98	2.1	0.022274	0.326488	AT3G54530	hypothetical protein
13416443	4.05	3.32	1.66	0.300305	0.563239	AT2G33585	hypothetical protein
13482922	4.05	3.35	1.63	0.3907	0.600347	AT4G10695	CDC68-related protein
13359145	4.05	3.41	1.56	0.199531	0.508937	AT1G74510	F-box/kelch-repeat protein
13538208	4.05	3.47	1.49	0.120095	0.451369	AT5G51190	ethylene-responsive transcription factor ERF105
13359794	4.05	3.5	1.46	0.180776	0.496314	AT1G76450	PsbP domain-containing protein 3
13396034	4.05	3.54	1.42	0.135918	0.465036	AT2G22730	major facilitator protein
13454966	4.05	3.56	1.41	0.048518	0.37767	AT3G28956	RNA polymerase II, Rpb4, core protein
13534521	4.05	3.6	1.37	0.36035	0.587053	AT5G42370	calcineurin-like metallo-phosphoesterase-like protein
13446172	4.05	3.74	1.24	0.521388	0.679936	AT3G07510; AT3G07500	hypothetical protein; far-red impaired responsive 1-like protein
13388386	4.05	3.79	1.2	0.475824	0.649777	AT1G77060	putative carboxyvinyl-carboxyphosphonate phosphorylmutase
13369087	4.05	3.8	1.19	0.303	0.564046	RLP2	receptor like protein 2
13369973	4.05	3.81	1.18	0.613963	0.742623	FMO1	putative flavin-containing monooxygenase 1
13414984	4.05	3.86	1.14	0.654163	0.77044	AT2G30505	late embryogenesis abundant hydroxyproline-rich glycoprotein
13374143	4.05	3.88	1.12	0.242388	0.534004	AT1G30540	Actin-like ATPase superfamily protein
13517104	4.05	3.89	1.12	0.528727	0.685555	AT5G59650	leucine-rich repeat protein kinase-like protein
13387765	4.05	3.9	1.11	0.854804	0.908825	AT1G75640	putative leucine-rich receptor-like protein kinase
13423674	4.05	3.93	1.09	0.502835	0.667079	AT3G03210	hypothetical protein
13453595	4.05	3.94	1.08	0.566352	0.710656	AT3G25480	rhodanese-like domain-containing protein
13522013	4.05	4.07	-1.01	0.935618	0.961071	AT5G04680	Ankyrin repeat family protein
13511764	4.05	4.1	-1.04	0.896341	0.936214	mtACP3	acyl carrier protein 3
13530724	4.05	4.13	-1.06	0.680165	0.788336	AT5G25000	hypothetical protein
13363941	4.05	4.19	-1.1	0.613686	0.742521	AT1G05670	uncharacterized UDP-glucosyltransferase
13363323	4.05	4.25	-1.14	0.237096	0.531149	CTF18	chromosome transmission fidelity protein 18
13397081	4.05	4.33	-1.22	0.183765	0.498487	AT2G25605	hypothetical protein
13404466	4.05	4.46	-1.33	0.633031	0.755709	AT2G43310	Ribosomal L18p/L5e family protein
13345713	4.05	4.5	-1.37	0.6867	0.792696	AT1G29070	50S ribosomal protein L34
13434151	4.05	4.55	-1.42	0.13198	0.46218	AT3G28040	probably inactive leucine-rich repeat receptor-like protein kinase
13423094	4.05	4.57	-1.44	0.056893	0.391094	AT3G02030	transferase
13438085	4.05	4.6	-1.46	0.071565	0.408234	AT3G51450	strictosidine synthase family protein
13530433	4.05	4.67	-1.53	0.537613	0.690758	AT5G24570	hypothetical protein
13495771	4.05	4.9	-1.8	0.120995	0.45228	AT4G39570	F-box/kelch-repeat protein

13347010	4.05	5	-1.93	0.210237	0.51547	AT1G32225	hypothetical protein
13528441	4.05	5.04	-1.99	0.2092	0.514593	AT5G19870	hypothetical protein
13408394	4.05	5.07	-2.02	0.106921	0.439124	AT2G07739	Ycf1 protein
13496369	4.05	5.19	-2.21	0.021227	0.324817	RPL	BEL1-like homeodomain protein 9
13460624	4.05	5.2	-2.22	0.024646	0.333244	AT3G56080	dehydration-responsive protein-like protein
13340665	4.05	5.31	-2.39	0.039193	0.364658	ADAP	AP2-like ethylene-responsive transcription factor
13396049	4.04	2.48	2.96	0.038567	0.364412	AT2G22750	transcription factor bHLH18
13450851	4.04	3	2.07	0.030227	0.350098	AT3G18420	tetratricopeptide repeat (TPR)-containing protein
13444956	4.04	3.01	2.05	0.105885	0.437609	AT3G05320	O-fucosyltransferase family protein
13522917	4.04	3.27	1.7	0.131508	0.461561	AT5G06940	probably inactive leucine-rich repeat receptor-like protein kinase
13396633	4.04	3.36	1.6	0.014457	0.313095	AT2G24390	AIG2-like family protein
13378229	4.04	3.39	1.57	0.072833	0.408418	AT1G51570	anthranilate phosphoribosyltransferase-like protein
13432991	4.04	3.43	1.53	0.21907	0.52121	AT3G25130	hypothetical protein
13481562	4.04	3.49	1.47	0.260747	0.542969	AT4G04370	pentatricopeptide repeat-containing protein
13338284	4.04	3.66	1.3	0.301428	0.563858	SK18	S-phase kinase-associated protein 1
13505015	4.04	3.68	1.28	0.314741	0.568201	AT5G23700	hypothetical protein
13498751	4.04	3.73	1.24	0.278733	0.553383	IPK2a	inositol polyphosphate multikinase alpha
13508436	4.04	3.77	1.2	0.100958	0.434702	EMB2745	pentatricopeptide repeat-containing protein
13371362	4.04	3.8	1.18	0.505009	0.668582	AT1G22650	putative neutral invertase
13463157	4.04	3.81	1.17	0.336534	0.576994	AT3G62160	HXXXD-type acyl-transferase-like protein
13370486	4.04	3.84	1.15	0.348427	0.580705	AT1G20550; AT1G20540	O-fucosyltransferase-like protein; transducin/WD-40 repeat-containing protein
13377469	4.04	3.97	1.05	0.559914	0.705956	PREP2	presequence protease 2
13368654	4.04	4.01	1.02	0.807224	0.87623	Hsp70b	heat shock protein 70B
13498760	4.04	4.03	1.01	0.98621	0.992041	AT5G07380; RBOHA	hypothetical protein; Respiratory burst oxidase-A
13426301	4.04	4.1	-1.04	0.792165	0.865663	AT3G10060	FKBP-like peptidyl-prolyl cis-trans isomerase-like protein
13472198	4.04	4.09	-1.04	0.692171	0.796791	AT4G22900	hypothetical protein
13398498	4.04	4.2	-1.12	0.168012	0.487067	RTFL2	ROTUNDIFOLIA like 2
13367883	4.04	4.37	-1.25	0.359101	0.586044	MIOX1	inositol oxygenase 1
13341596	4.04	4.45	-1.33	0.354326	0.5843	AT1G17990; AT1G18020	putative 12-oxophytodienoate reductase-like protein 2
13435915	4.04	4.46	-1.34	0.634032	0.756493	AT3G45870	nodulin MtN21 /EamA-like transporter family protein
13505503	4.04	4.48	-1.36	0.555331	0.703052	CYP71B11	cytochrome P450 71B11
13458487	4.04	4.49	-1.37	0.050565	0.380985	AT3G50920	Phosphatidic acid phosphatase (PAP2) family protein
13437916	4.04	4.62	-1.5	0.315452	0.568259	GATA6	GATA transcription factor 6
13534734	4.04	4.99	-1.94	0.017317	0.319218	AT5G42930	lipase class 3-like protein
13436512	4.04	5.01	-1.96	0.006237	0.280665	AT3G47650	DnaJ/Hsp40 cysteine-rich domain-containing protein
13482093	4.04	5.06	-2.03	0.258379	0.541251	AT4G07524	Ras-related small GTP-binding family protein
13342173	4.04	5.19	-2.22	0.027217	0.34139	AT1G19190	alpha/beta-hydrolase-like protein

13353342	4.04	5.29	-2.38	0.035509	0.356207	AT1G58807; AT1G59124; AT1G58848; AT1G59218	putative disease resistance protein RDL5/RF45; putative disease resistance protein RDL6/RF9
13408954	4.04	5.41	-2.59	0.014432	0.313095	GH3.1	putative indole-3-acetic acid-amido synthetase GH3.1
13361209	4.04	5.56	-2.89	0.202798	0.510485	AT1G79780	hypothetical protein
13420194	4.04	5.75	-3.27	0.225727	0.524988		
13522814	4.04	5.75	-3.27	0.225727	0.524988		
13473293	4.04	6.13	-4.27	0.020645	0.324125	RHS15	root hair specific 15 protein
13464848	4.04	6.15	-4.31	0.08937	0.426265	SUS3	sucrose synthase 3
13540038	4.03	3.16	1.83	0.026077	0.337071	AT5G56380	FBD-associated F-box protein
13501449	4.03	3.32	1.64	0.105024	0.43719	AT5G14360	ubiquitin family protein
13379826	4.03	3.51	1.43	0.288193	0.557599	AT1G55390	cysteine/histidine-rich C1 domain-containing protein
13352785	4.03	3.63	1.33	0.408507	0.610666	AT1G56050	putative GTP-binding protein
13360224	4.03	3.67	1.28	0.114695	0.445848	AT1G77460	armadillo/beta-catenin-like repeat and C2 domain-containing protein
13415844	4.03	3.94	1.06	0.754633	0.839454	GLR3.5	glutamate receptor 3.5
13534290	4.03	3.95	1.06	0.812221	0.879916	AT5G41614	hypothetical protein
13461840	4.03	4.01	1.01	0.948114	0.969066	AT3G58980	F-box/LRR-repeat protein
13518727	4.03	4.05	-1.01	0.978278	0.987189	AT5G63300	ribosomal protein S21 family protein
13442649	4.03	4.15	-1.08	0.896763	0.936438	AT3G62500	hypothetical protein
13379279	4.03	4.16	-1.09	0.674638	0.784469	AT1G53860	remorin-like protein
13538712	4.03	4.16	-1.09	0.608035	0.738044	AT5G52547	hypothetical protein
13336529	4.03	4.48	-1.36	0.660108	0.774957	AT1G06320	hypothetical protein
13479340	4.03	4.49	-1.37	0.474126	0.648712	AT4G38940	F-box/kelch-repeat protein
13491945	4.03	4.61	-1.49	0.427404	0.621602	AT4G31280; AT4G31290	hypothetical protein; chaC-like protein
13338235	4.03	4.63	-1.52	0.140441	0.466825	AT1G10110	F-box family protein
13511621	4.03	5	-1.95	0.308781	0.566484	AT5G47306	hypothetical protein
13543659	4.03	5.73	-3.25	0.018617	0.321499	AT5G65160	tetratricopeptide repeat (TPR)-containing protein
13459344	4.03	5.98	-3.85	0.005062	0.26945	AT3G53100	GDSL esterase/lipase
13420581	4.03	6.34	-4.96	0.006841	0.285606	PDF1	protodermal factor 1
13471997	4.02	2.86	2.24	0.04016	0.365591	AT4G22160	hypothetical protein
13453607	4.02	3	2.03	0.02059	0.324125	AT3G25510	putative TIR-NBS-LRR class disease resistance protein
13361578	4.02	3.09	1.91	0.033595	0.354018	AT1G80570	F-box/LRR-repeat protein 14
13460870	4.02	3.26	1.7	0.018249	0.320589	SIB1	sigma factor binding protein 1
13412207	4.02	3.4	1.54	0.063027	0.398838	AT2G24070	hypothetical protein
13349969	4.02	3.46	1.48	0.327887	0.574416	AT1G49380	cytochrome c biogenesis protein CCS1
13422114	4.02	3.51	1.42	0.104174	0.4366	CYP78A6	cytochrome P450, family 78, subfamily A, polypeptide 6
13532794	4.02	3.54	1.4	0.127003	0.456777	AT5G36930	TIR-NBS-LRR class disease resistance protein
13409099	4.02	3.58	1.36	0.025155	0.335081	OTP51	pentatricopeptide repeat-containing protein
13412574	4.02	3.66	1.28	0.146876	0.470962	AT2G24860	DnaJ/Hsp40 cysteine-rich domain-containing protein
13415794	4.02	3.68	1.27	0.17957	0.495168	PTAC18	plastid transcriptionally active 18

13451519	4.02	3.75	1.21	0.109625	0.440961	AT3G19810	hypothetical protein
13383120	4.02	3.77	1.19	0.378966	0.594748	AT1G64510	30S ribosomal protein S6 alpha
13527333	4.02	3.9	1.09	0.783536	0.859238	NAC086	NAC domain containing protein 86
13515721	4.02	3.97	1.03	0.868214	0.917995	EXPA14	expansin A14
13467648	4.02	4.01	1.01	0.937761	0.962442	AT4G11910	protein STAY-GREEN2
13396580	4.02	4.07	-1.04	0.799816	0.871154	PUP5	purine permease 5
13494438	4.02	4.1	-1.06	0.133594	0.463251	AT4G36680	pentatricopeptide repeat-containing protein
13530767	4.02	4.14	-1.09	0.617085	0.7448	CIPK25	CBL-interacting serine/threonine-protein kinase 25
13379653	4.02	4.16	-1.11	0.669927	0.780955	AT1G54790; TLP18.3	GDSL esterase/lipase; thylakoid lumen 18.3 kDa protein
13400339	4.02	4.27	-1.18	0.266718	0.546327	AT2G33640	putative S-acyltransferase
13455553	4.02	4.3	-1.21	0.089945	0.427018	AT3G42180	putative glycosyltransferase
13393004	4.02	4.35	-1.26	0.635953	0.757993	NPY2	Phototropic-responsive NPH3-like protein
13490880	4.02	4.36	-1.27	0.536255	0.689889	RIC7	ROP-interactive CRIB motif-containing protein 7
13448925	4.02	4.4	-1.3	0.212454	0.51774	AT3G13404	hypothetical protein
13529793	4.02	4.47	-1.37	0.170289	0.488298	AT5G23240	DNAJ heat shock N-terminal domain-containing protein
13532824	4.02	4.53	-1.42	0.746818	0.83384	AT5G37050	hypothetical protein
13414889	4.02	4.55	-1.44	0.155134	0.477992	FC2	ferrochelatase 2
13417363	4.02	4.74	-1.65	0.16105	0.483253	INT3	putative inositol transporter 3
13470324	4.02	5.03	-2.01	0.417242	0.615886	AT4G18335	hypothetical protein
13360960	4.02	5.21	-2.28	0.407827	0.610439	AT1G79170	hypothetical protein
13526018	4.02	5.26	-2.36	0.029772	0.349332	AT5G14330	hypothetical protein
13540551	4.02	5.3	-2.43	0.207353	0.513526	XTH13	xyloglucan:xyloglucosyl transferase
13347201	4.02	5.54	-2.87	0.239778	0.532669	AT1G32740; HAF01	SBP (S-ribonuclease binding protein) family protein; transcription initiation factor TFIID subunit 1-A
13443380	4.02	5.57	-2.92	0.409261	0.610961	AT3G01572	hypothetical protein
13489762	4.01	3.22	1.73	0.076788	0.411555	AT4G26180	Mitochondrial substrate carrier family protein
13366459	4.01	3.25	1.7	0.039242	0.364658	LOV1	NB-ARC domain-containing disease resistance protein
13418272	4.01	3.27	1.67	0.184839	0.499427	FHY1	far-red elongated hypocotyl 1 protein
13407128	4.01	3.31	1.63	0.221748	0.52294	PSKR1	phytosulfokin receptor 1
13441100	4.01	3.48	1.44	0.158663	0.481364	AT3G59000	F-box protein
13456874	4.01	3.48	1.44	0.262677	0.543749	CRR2	pentatricopeptide repeat-containing protein
13365873	4.01	3.54	1.39	0.369577	0.591602	AT1G09890	rhamnogalacturonate lyase-like protein
13462029	4.01	3.57	1.36	0.282518	0.555512	AT3G59430	hypothetical protein
13402699	4.01	3.63	1.3	0.104425	0.43666	LOJ	lateral organ junction protein
13344818	4.01	3.72	1.23	0.506185	0.669645	EXPA10	expansin A10
13406866	4.01	3.76	1.19	0.184434	0.498967	AT2G01510	pentatricopeptide repeat-containing protein
13367633	4.01	3.85	1.11	0.335508	0.576654	AT1G13800	pentatricopeptide repeat-containing protein
13438418	4.01	3.86	1.11	0.72061	0.816824	AT3G52150	RNA recognition motif-containing protein
13368862	4.01	3.99	1.02	0.952448	0.971706		
13443435	4.01	4.03	-1.02	0.861073	0.913554	AT3G01840	protein kinase domain-containing protein
13507864	4.01	4.08	-1.04	0.772627	0.85181	NIP4;2	putative aquaporin NIP4-2
13418321	4.01	4.09	-1.05	0.759726	0.842526	AT2G37890	Mitochondrial substrate carrier family protein

13344667	4.01	4.09	-1.06	0.849158	0.90501	AT1G26500	pentatricopeptide repeat-containing protein
13400507	4.01	4.17	-1.12	0.595772	0.730324	AT2G34200	RING/FYVE/PHD zinc finger-containing protein
13362715	4.01	4.19	-1.13	0.468865	0.646015	ATDUF1	hypothetical protein
13450736	4.01	4.24	-1.17	0.563851	0.708544	WOX1	WUSCHEL-related homeobox 1
13452961	4.01	4.23	-1.17	0.581508	0.72121	AT3G23740	hypothetical protein
13393554	4.01	4.38	-1.3	0.461821	0.642527	AT2G16980	major facilitator protein
13347776	4.01	4.51	-1.41	0.225992	0.524988	AT1G34340	alpha/beta-hydrolase domain-containing protein
13410063	4.01	4.61	-1.51	0.188035	0.502321	SDH1-2	succinate dehydrogenase [ubiquinone] flavoprotein subunit 2
13393269	4.01	4.66	-1.57	0.031062	0.351113	AT2G15830	hypothetical protein
13461817	4.01	4.68	-1.6	0.316147	0.568464	AT3G58940	F-box/LRR-repeat protein
13501617	4.01	4.94	-1.91	0.12091	0.45228	AT5G14920	gibberellin-regulated protein
13411463	4.01	5.06	-2.06	0.101019	0.434702	AT2G21740	hypothetical protein
13480974	4.01	5.07	-2.09	0.245654	0.535365	AT4G02489	hypothetical protein
13468844	4.01	5.25	-2.36	0.104681	0.437012	AT4G15160	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13387433	4	2.76	2.36	0.0964	0.43261	ARR15	two-component response regulator ARR15
13349726	4	3.1	1.87	0.083171	0.417856	AT1G48770	hypothetical protein
13412289	4	3.1	1.86	0.116661	0.446833	AT2G24230	putative LRR receptor-like serine/threonine-protein kinase
13444087	4	3.37	1.54	0.002744	0.253459	RGL2	DELLA protein RGL2
13355762	4	3.61	1.31	0.588269	0.726234	RGL1	DELLA protein RGL1
13431881	4	3.72	1.21	0.127212	0.456893	AT3G22450	50S ribosomal protein L18-like protein
13475149	4	3.73	1.21	0.71431	0.812169	GGT4	gamma-glutamyl transpeptidase 4
13450978	4	3.75	1.19	0.56252	0.707644	MKS1; AT3G18680	protein MKS1; uridylate kinase
13504320	4	3.82	1.14	0.192581	0.505579	AT5G21970	ubiquitin carboxyl-terminal hydrolase-like protein
13431205	4	3.84	1.12	0.359208	0.586108	AT3G20730	pentatricopeptide repeat-containing protein
13539694	4	3.85	1.11	0.458895	0.640177	AT5G55380	putative long-chain-alcohol O-fatty-acyltransferase 1
13336021	4	3.92	1.06	0.832646	0.894114	AT1G05210	putative transmembrane protein 97
13454884	4	3.93	1.05	0.758715	0.841992	AT3G28760	hypothetical protein
13450992	4	3.95	1.03	0.747757	0.834573	AT3G18720	F-box protein
13427778	4	3.99	1.01	0.969834	0.982274	AT3G13686	hypothetical protein
13522721	4	4.07	-1.05	0.836433	0.896665	AT5G06540	pentatricopeptide repeat-containing protein
13433210	4	4.13	-1.1	0.078299	0.414063	AT3G25700	aspartyl protease family protein
13433719	4	4.14	-1.1	0.890376	0.932559	AT3G26820	Esterase/lipase/thioesterase family protein
13484297	4	4.15	-1.11	0.398771	0.605002	AT4G14050	pentatricopeptide repeat-containing protein
13521139	4	4.27	-1.2	0.203243	0.510622	AT5G02070	wall-associated receptor kinase-like 20
13341584	4	4.34	-1.26	0.127296	0.457028	AT1G17970	RING/U-box domain-containing protein
13516499	4	4.38	-1.3	0.559113	0.705327	AT5G58120	TIR-NBS-LRR class disease resistance protein
13526920	4	4.52	-1.44	0.083498	0.417888	AT5G16360	NC domain-containing protein-like protein
13386963	4	4.55	-1.46	0.357286	0.584844	ALPHA DOX2	alpha dioxygenase
13525167	4	4.58	-1.5	0.026705	0.339318	AT5G12270	oxidoreductase, 2OG-Fe(II) oxygenase family protein
13521035	4	4.59	-1.51	0.114461	0.445522	AT5G01790	hypothetical protein
13379296	4	4.7	-1.62	0.154301	0.477263	AT1G53950	ubiquitin-like protein

13544464	4	4.78	-1.72	0.071156	0.408157	AT5G66840	SAP domain-containing protein
13510300	4	4.8	-1.74	0.029853	0.349787	AT5G44050	mate efflux domain-containing protein
13339337	4	4.8	-1.74	0.234807	0.529692	AT1G12550	D-isomer specific 2-hydroxyacid dehydrogenase-like protein
13524690	4	5.21	-2.32	0.103109	0.435908	AT5G11070	hypothetical protein
13458420	4	5.3	-2.46	0.239701	0.532669	BEH1	BES1/BZR1 homolog 1
13477800	4	5.3	-2.47	0.000321	0.181632	AT4G35070	SBP (S-ribonuclease binding protein) family protein
13352632	4	5.41	-2.65	0.355594	0.584538		
13445956	4	5.41	-2.65	0.355594	0.584538		
13489518	4	5.41	-2.65	0.355594	0.584538		
13538641	4	5.41	-2.65	0.355594	0.584538		
13462417	4	5.62	-3.05	0.001683	0.250556	UCC3	uclacyanin 3
13525886	4	5.68	-3.19	0.011283	0.297771	EXO70C2	exocyst complex component 7
13389987	4	6.14	-4.42	0.018937	0.321499	AT1G80240; NIA2; GDI1	hypothetical protein; Nitrate reductase (NADH); guanosine nucleotide diphosphate dissociation inhibitor 1
13503360	3.99	3.06	1.9	0.25011	0.53747	AT5G19200	Rossmann-fold NAD(P)-binding domain-containing protein
13362075	3.99	3.31	1.6	0.337782	0.577243	ROPGEF2	Rop guanine nucleotide exchange factor 2
13434793	3.99	3.37	1.54	0.385934	0.598511	AT3G30841	Cofactor-independent phosphoglycerate mutase
13502636	3.99	3.37	1.53	0.124589	0.453788	AT5G17360	hypothetical protein
13416179	3.99	3.59	1.32	0.216053	0.519774	VAMP723	vesicle-associated membrane protein 723
13366981	3.99	3.62	1.3	0.110161	0.441206	NAC007	NAC domain-containing protein 7
13397663	3.99	3.67	1.26	0.270599	0.548501	AT2G27060	Leucine-rich repeat protein kinase-like protein
13525477	3.99	3.68	1.24	0.044514	0.374597	AT5G13090	hypothetical protein
13511080	3.99	3.71	1.21	0.344613	0.579681	RAC2	Rac-like GTP-binding protein ARAC2
13432756	3.99	3.76	1.18	0.289741	0.558085	HSFC1	heat stress transcription factor C-1
13421886	3.99	3.76	1.17	0.206197	0.512899	MPK12	mitogen-activated protein kinase 12
13369222	3.99	3.83	1.12	0.770035	0.850037	HLL	large subunit ribosomal protein L14
13487037	3.99	3.83	1.12	0.061891	0.398248	AT4G19829	hypothetical protein
13543247	3.99	4.01	-1.02	0.922349	0.953127	AT5G64110	peroxidase 70
13411801	3.99	4.09	-1.07	0.46695	0.645054	AT2G22820	hypothetical protein
13443665	3.99	4.09	-1.07	0.780561	0.857282	AT3G02510	regulator of chromosome condensation domain-containing protein
13506037	3.99	4.12	-1.1	0.408682	0.610785	AT5G26730	Fasciclin-like arabinogalactan family protein
13336258	3.99	4.15	-1.11	0.127814	0.457732	SPPL5	signal peptide peptidase-like 5
13438269	3.99	4.15	-1.12	0.753326	0.838584	AT3G51870	putative envelope ADP,ATP carrier protein
13396519	3.99	4.25	-1.19	0.649549	0.766907	scpl23	carboxypeptidase D
13466260	3.99	4.23	-1.19	0.602591	0.733926	AT4G08250	scarecrow-like protein 26
13410547	3.99	4.3	-1.24	0.210249	0.51547	AT2G19910	RNA-dependent RNA polymerase-like protein
13464098	3.99	4.36	-1.3	0.500283	0.665212	AT4G00750	putative methyltransferase PMT15
13424911	3.99	4.43	-1.35	0.167023	0.486855		
13428804	3.99	4.51	-1.43	0.043839	0.373171	AT3G15760	hypothetical protein
13501953	3.99	4.51	-1.43	0.6037	0.734904	AT5G15760	30S ribosomal protein 3-2
13337411	3.99	4.56	-1.48	0.28669	0.557153	ENODL18	early nodulin-like protein 18
13365089	3.99	4.56	-1.49	0.230495	0.527651	AT1G08165	hypothetical protein

13356726	3.99	4.97	-1.98	0.187055	0.501503	AGP19	arabinogalactan protein 19
13350017	3.99	5.1	-2.16	0.195808	0.50668	AT1G49470	hypothetical protein
13477244	3.99	5.3	-2.48	0.107411	0.4394	OST1	serine/threonine-protein kinase SRK2E
13385568	3.99	5.61	-3.07	0.021288	0.325044	CLE26	CLAVATA3/ESR-related 26 protein
13420626	3.99	6.29	-4.93	0.032345	0.353134	NAC042	NAC domain-containing protein 42
13404669	3.98	2.84	2.2	0.04626	0.377124	AT2G43890	putative polygalacturonase /pectinase
13425985	3.98	2.93	2.06	0.063223	0.399267	HY2	phytochromobilin:ferredoxin oxidoreductase
13365741	3.98	3.04	1.92	0.040544	0.365846	AT1G09680	pentatricopeptide repeat-containing protein
13453417	3.98	3.11	1.83	0.166953	0.486855		
13383579	3.98	3.23	1.69	0.019001	0.321499	AT1G65560	2-alkenal reductase
13449288	3.98	3.39	1.5	0.364609	0.589444	AT3G14130	Aldolase-type TIM barrel family protein
13390175	3.98	3.47	1.42	0.038289	0.363017	AT1G80630	leucine-rich repeats-containing protein
13358646	3.98	3.52	1.38	0.469231	0.646394	AT1G73400	pentatricopeptide repeat-containing protein
13515503	3.98	3.57	1.33	0.191221	0.504398	AT5G55840	pentatricopeptide repeat-containing protein
13440090	3.98	3.57	1.32	0.226152	0.525061	AT3G56140	hypothetical protein
13515095	3.98	3.69	1.22	0.409359	0.610961	AT5G54830	DOMON and dopamine beta-monooxygenase N-terminal domain-containing protein
13502472	3.98	3.71	1.21	0.442597	0.630991	AT5G16900	putative LRR receptor-like serine/threonine-protein kinase
13489365	3.98	3.74	1.18	0.550479	0.699957	AT4G25290	DNA photolyase
13522605	3.98	3.74	1.17	0.620878	0.747466	AT5G06190	hypothetical protein
13448772	3.98	3.78	1.15	0.255111	0.540321	AT3G13180	ribosomal RNA small subunit methyltransferase B
13524465	3.98	3.84	1.11	0.669944	0.780955	AT5G10620	putative RNA methyltransferase
13481467	3.98	3.84	1.1	0.794633	0.867465	RMA1; AT4G03505	E3 ubiquitin-protein ligase RMA1; hypothetical protein
13509417	3.98	3.85	1.09	0.473441	0.648287	AT5G41980	hypothetical protein
13399944	3.98	3.89	1.06	0.874074	0.922178	CSLB02	cellulose synthase-like protein B2
13434470	3.98	3.93	1.03	0.912289	0.946771	AT3G28925	hypothetical protein
13534097	3.98	4.08	-1.07	0.681441	0.788759	AT5G41130	Esterase/lipase/thioesterase-containing protein
13468328	3.98	4.18	-1.15	0.806798	0.876033	AT4G13990	Exostosin family protein
13415216	3.98	4.21	-1.17	0.465138	0.644046	AT2G30990	hypothetical protein
13373397	3.98	4.22	-1.18	0.028523	0.346553	AT1G28600	GDSL esterase/lipase
13430152	3.98	4.31	-1.26	0.531417	0.687067	AT3G18500	carbon catabolite repressor protein 4-like 3
13508360	3.98	4.35	-1.29	0.192092	0.50525	cdc2cAt	cyclin-dependent kinase CDC2C
13488286	3.98	4.36	-1.3	0.039385	0.364658	AT4G22990	SPX domain-containing membrane protein
13379831	3.98	4.43	-1.37	0.094063	0.430637	AT1G55430	cysteine/histidine-rich C1 domain-containing protein
13355300	3.98	4.44	-1.38	0.060224	0.39581	AT1G64890	integral membrane transporter family protein
13393442	3.98	4.49	-1.42	0.42004	0.617243	AT2G16760	calcium-dependent phosphotriesterase-like protein
13522668	3.98	4.56	-1.49	0.191189	0.504398	AT5G06430	thioredoxin-related protein
13508753	3.98	4.62	-1.56	0.038815	0.364658	AT5G40500	hypothetical protein
13478362	3.98	4.67	-1.61	0.009092	0.296244	ALDH3F1	aldehyde dehydrogenase 3F1
13509996	3.98	4.67	-1.61	0.166915	0.486855	PHT1;3	putative inorganic phosphate transporter 1-3
13461644	3.98	4.68	-1.63	0.271161	0.548793	AT3G58520	ubiquitin thiolesterase
13352166	3.98	4.85	-1.83	0.255964	0.54042	AT1G54530	calcium-binding EF-hand-containing protein

13445766	3.98	4.88	-1.87	0.084134	0.41808	AT3G06750	hydroxyproline-rich glycoprotein family protein
13539837	3.98	4.96	-1.96	0.225552	0.524988	AT5G55680	glycine-rich protein
13505656	3.98	4.96	-1.97	0.163566	0.485314	AT5G25425	glycine-rich protein
13429370	3.98	5.04	-2.08	0.479983	0.652001	NRPB9A	DNA-directed RNA polymerase II subunit I
13414535	3.98	5.31	-2.52	0.016571	0.316275	GSTU5	glutathione S-transferase 103-1A
13442851	3.98	5.42	-2.71	0.299783	0.56286	AT3G63095	tetratricopeptide repeat-containing protein-like protein
13365095	3.97	2.98	1.99	0.031686	0.352545	AT1G08180	hypothetical protein
13545423	3.97	3.22	1.68	0.463488	0.643316		
13540714	3.97	3.32	1.57	0.099666	0.434356	AT5G57890	anthranilate synthase component II
13351291	3.97	3.34	1.54	0.25988	0.542622	FRS6	FAR1-related sequence 6 protein
13543077	3.97	3.47	1.42	0.072945	0.408583	AT5G63830	HIT-type Zinc finger family protein
13379222	3.97	3.59	1.3	0.262067	0.543595	AT1G53770	peptide-O-fucosyltransferase
13449666	3.97	3.61	1.29	0.374304	0.59299	AT3G15130	pentatricopeptide repeat-containing protein
13542939	3.97	3.6	1.29	0.088169	0.424413	NF-YC4	nuclear transcription factor Y subunit C-4
13533228	3.97	3.63	1.27	0.347219	0.58045	AT5G38360	esterase/lipase domain-containing protein
13364911	3.97	3.64	1.26	0.256447	0.540807	AT1G07940; AT1G07930; AT1G07920; AT5G60390	Elongation factor 1-alpha
13346910	3.97	3.72	1.19	0.715531	0.813105		
13373004	3.97	3.77	1.15	0.521487	0.679972	AT1G27640; ATU2AF35A	hypothetical protein; splicing factor U2af small subunit A
13523241	3.97	3.81	1.12	0.564421	0.709011	AT5G07810	SNF2 and helicase domain-containing protein
13351748	3.97	3.91	1.04	0.622547	0.748444	AT1G53600	pentatricopeptide repeat-containing protein
13385999	3.97	3.91	1.04	0.704315	0.805354	AT1G71280	DEAD-box ATP-dependent RNA helicase 55
13376206	3.97	4.06	-1.06	0.568029	0.711175	AT1G44000	hypothetical protein
13422750	3.97	4.14	-1.12	0.76865	0.849061	AT3G01175	hypothetical protein
13500524	3.97	4.2	-1.18	0.56796	0.711172	AT5G11780	hypothetical protein
13416687	3.97	4.27	-1.23	0.143759	0.469269	WAVE1	protein SCAR1
13452464	3.97	4.29	-1.24	0.777643	0.855248	SK10	S-phase kinase-associated protein 1
13442329	3.97	4.31	-1.27	0.373435	0.592501	AT3G61560	reticulon-like protein B6
13466187	3.97	4.32	-1.28	0.580111	0.720051	AT4G07932	hypothetical protein
13418455	3.97	4.56	-1.51	0.155139	0.477992	AT2G38160	hypothetical protein
13411467	3.97	4.63	-1.58	0.057897	0.39275	AT2G21820	hypothetical protein
13463317	3.97	4.64	-1.58	0.392516	0.601642	AT3G62460	Putative endonuclease or glycosyl hydrolase
13384904	3.97	4.64	-1.59	0.072447	0.408352	AT1G68400	leucine-rich repeat transmembrane protein kinase family protein
13500329	3.97	4.69	-1.64	0.15063	0.473426	AT5G11420	hypothetical protein
13351922	3.97	4.75	-1.72	0.334252	0.576336	AT1G54070	Dormancy/auxin associated family protein
13463350	3.97	4.98	-2.02	0.07695	0.411576	AT3G62630	hypothetical protein
13355313	3.97	5.04	-2.1	0.132726	0.462428	CYP89A5	cytochrome P450, family 89, subfamily A, polypeptide 5
13348604	3.97	5.86	-3.7	0.004202	0.262292	RAP2.6	ethylene-responsive transcription factor RAP2-6
13434647	3.97	6.16	-4.57	0.010672	0.297744	AT3G29670	HXXXD-type acyl-transferase-like protein
13378351	3.97	8.4	-21.59	0.000447	0.207323	AT1G51830	putative leucine-rich repeat protein kinase

13545703	3.96	2.76	2.3	0.15842	0.481067	AT1G12290	CC-NBS-LRR class disease resistance protein
13445966	3.96	3.36	1.52	0.06517	0.401596	AT3G07150	hypothetical protein
13436658	3.96	3.37	1.51	0.25089	0.537953	AT3G47830	HhH-GPD base excision DNA repair protein-related protein
13485331	3.96	3.49	1.39	0.398318	0.604949	NRPB9B	RNA polymerases M/15 Kd subunit
13514998	3.96	3.51	1.37	0.317892	0.569516	AT5G54585	hypothetical protein
13541194	3.96	3.57	1.32	0.24077	0.53343	AT5G59020	hypothetical protein
13399351	3.96	3.59	1.3	0.253718	0.539541	STH	Salt tolerance-like protein
13334545	3.96	3.68	1.21	0.407646	0.610422	AT1G01810	hypothetical protein
13441432	3.96	3.69	1.2	0.709874	0.80925	AT3G59650	mitochondrial ribosomal protein L51/S25/CI-B8 family protein
13481423	3.96	3.7	1.19	0.515127	0.675561	AT4G03440	ankyrin repeat-containing protein
13408193	3.96	3.73	1.17	0.060752	0.396635		
13468878	3.96	3.78	1.14	0.398973	0.605115	PDR13	ABC transporter G family member 41
13431171	3.96	3.81	1.11	0.457178	0.639333	NDR1	late embryogenesis abundant hydroxyproline-rich glycoprotein
13498731	3.96	3.88	1.06	0.900285	0.938744	AT5G07320	Mitochondrial substrate carrier family protein
13457709	3.96	3.93	1.02	0.958876	0.975636	AT3G49190; RID3	O-acyltransferase (WSD1-like) family protein; root initiation defective 3 protein
13501506	3.96	4.08	-1.09	0.709772	0.809166	AT5G14610	DEAD-box ATP-dependent RNA helicase 46
13514275	3.96	4.15	-1.14	0.437042	0.627847	AT5G53080	kinesin light chain-related protein
13372891	3.96	4.22	-1.19	0.185358	0.499807	RIC2	ROP-interactive CRIB motif-containing protein 2
13450123	3.96	4.35	-1.31	0.109595	0.440957	AT3G16210	F-box protein
13437545	3.96	4.42	-1.38	0.123256	0.453558	AT3G49820	hypothetical protein
13358088	3.96	4.44	-1.39	0.068687	0.406403	AT1G71910	hypothetical protein
13361229	3.96	4.51	-1.46	0.137163	0.46568	GL2; RPS17	homeobox-leucine zipper protein GLABRA 2; 30S ribosomal protein S17
13430247	3.96	4.73	-1.7	0.393805	0.602479	AT3G18800	hypothetical protein
13544204	3.96	4.73	-1.7	0.226399	0.525194	AT5G66270	zinc finger CCCH domain-containing protein 68
13501431	3.96	4.78	-1.76	0.016639	0.316275	AT5G14280	DNA-binding storekeeper protein-like protein
13466148	3.96	4.85	-1.85	0.394748	0.60291	AT4G06688	hypothetical protein
13387474	3.96	4.9	-1.93	0.241309	0.533548	AT1G74929	hypothetical protein
13525392	3.96	5.16	-2.3	0.000275	0.181632	AT5G12930	hypothetical protein
13508296	3.96	5.46	-2.82	0.008143	0.291978	AT5G39050	HXXXD-type acyl-transferase-like protein
13386633	3.96	5.63	-3.19	0.052494	0.382994	PS2	phosphate starvation-induced protein 2
13519528	3.96	5.67	-3.27	0.542524	0.694165	AT2G24390	AIG2-like family protein
13458138	3.96	6.14	-4.53	0.035666	0.356207	AT3G50130	hypothetical protein
13505856	3.96	6.21	-4.75	0.03213	0.352818	AT5G26080	proline-rich family protein
13512390	3.95	3.03	1.88	0.094009	0.430617	TED7	tracheary element differentiation-like protein 7
13368800	3.95	3.33	1.54	0.058059	0.392874	AT1G16480	PPR repeat domain-containing protein
13542073	3.95	3.35	1.51	0.218624	0.520838	AT5G61310	putative cytochrome c oxidase subunit 5C-3
13484908	3.95	3.56	1.31	0.259139	0.541852	AT4G15140; CCT2	hypothetical protein; phosphorylcholine cytidylyltransferase2

13375376	3.95	3.58	1.29	0.528396	0.685279	SAMC2	S-adenosylmethionine carrier 2
13504391	3.95	3.59	1.28	0.003293	0.253459	AT5G22210	hypothetical protein
13523892	3.95	3.61	1.26	0.232274	0.528375	AT5G09540	chaperone DnaJ-domain containing protein
13534800	3.95	3.79	1.12	0.466579	0.645004	AT5G43030	cysteine/histidine-rich C1 domain-containing protein
13453853	3.95	3.85	1.08	0.787165	0.862063	AT3G26240	cysteine/histidine-rich C1 domain-containing protein
13474753	3.95	3.98	-1.02	0.483541	0.654109	AT4G28570	Long-chain-alcohol oxidase FAO4B
13465214	3.95	4.01	-1.04	0.802998	0.873002	AT4G03100	Rho GTPase activating protein with PAK-box/P21-Rho-binding domain
13453819	3.95	4.06	-1.07	0.734139	0.826007	AT3G26147	hypothetical protein
13365017	3.95	4.1	-1.11	0.714189	0.81208	ACA7	carbonic anhydrase
13388786	3.95	4.18	-1.17	0.324064	0.572935	AT1G77855	hypothetical protein
13446972	3.95	4.23	-1.21	0.166966	0.486855	MCM8; HCF152	minichromosome maintenance 8; pentatricopeptide repeat-containing protein
13461342	3.95	4.26	-1.24	0.217821	0.520626	AT3G57790	glycoside hydrolase family 28 protein / polygalacturonase (pectinase) family protein
13383198	3.95	4.37	-1.33	0.25086	0.537953	AT1G64760	glucan endo-1,3-beta-glucosidase 8
13384112	3.95	4.37	-1.34	0.508814	0.671483	AT1G66910	protein kinase domain-containing protein
13394970	3.95	4.5	-1.47	0.350429	0.582019	AT2G20350	ethylene-responsive transcription factor ERF120
13524297	3.95	4.63	-1.6	0.334931	0.576654	HPA1; HISN6B	Histidinol-phosphate aminotransferase
13407778	3.95	4.83	-1.83	0.057543	0.39275	AT2G04480	hypothetical protein
13400668	3.95	4.83	-1.84	0.014468	0.313095	AT2G34460	NAD(P)-binding Rossmann-fold-containing protein
13513605	3.95	5.2	-2.38	0.038986	0.364658	AT5G51520	plant invertase/pectin methylesterase inhibitor domain-containing protein
13522859	3.95	5.36	-2.65	0.10127	0.434953	LEA4-5; EMB175	late embryogenesis abundant protein 4-5; pentatricopeptide repeat-containing protein
13398273	3.95	5.4	-2.72	0.021724	0.325596	AT2G28440	proline-rich protein
13437811	3.95	5.53	-2.99	0.003057	0.253459	GATL2	putative galacturonosyltransferase-like 2
13392066	3.94	2.86	2.11	0.053693	0.384062	ELF4-L3	protein ELF4-like 3
13524029	3.94	2.99	1.94	0.34257	0.579024	AT5G09800	U-box domain-containing protein 28
13393487	3.94	3.05	1.85	0.041631	0.368024	AT2G16930	Ribosomal protein L27 family protein
13370724	3.94	3.17	1.7	0.008781	0.293015	AT1G21070	nucleotide-sugar transporter-like protein
13486295	3.94	3.33	1.52	0.000541	0.207323	ATL4H	putative RING-H2 finger protein ATL53
13349376	3.94	3.37	1.49	0.343546	0.579057	AT1G47820	hypothetical protein
13499180	3.94	3.37	1.49	0.078677	0.414078	AT5G08340	riboflavin biosynthesis protein-like protein
13424002	3.94	3.57	1.29	0.080309	0.41472	AT3G04000	3-oxoacyl-[acyl-carrier protein] reductase
13366999	3.94	3.59	1.28	0.15293	0.47575	AT1G12300	pentatricopeptide repeat-containing protein
13344779	3.94	3.59	1.27	0.534336	0.688582	MLO14	MLO-like protein 14
13543587	3.94	3.65	1.22	0.556894	0.70384	AT5G64970	Mitochondrial substrate carrier family protein
13340560	3.94	3.71	1.17	0.62073	0.747434	AT1G15870	Mitochondrial glycoprotein family protein
13371064	3.94	3.75	1.14	0.659776	0.774726	AT1G21928	Plant thionin family protein
13481905	3.94	3.84	1.07	0.507834	0.670954	AT4G05170	basic helix-loop-helix domain-containing protein
13350769	3.94	3.86	1.06	0.012296	0.301412	AT1G51380	DEAD-box ATP-dependent RNA helicase 34
13356587	3.94	3.9	1.03	0.949844	0.970072	AT1G68330	hypothetical protein

13426007	3.94	3.91	1.02	0.936492	0.961554	MYB1	myb domain protein 1
13472644	3.94	3.92	1.01	0.948343	0.969195	AT4G23950	Galactose-binding protein
13382295	3.94	3.95	-1.01	0.973598	0.984744	AT1G62320	ERD (early-responsive to dehydration stress) family protein
13544515	3.94	3.99	-1.03	0.637835	0.758939	AT5G66960	Prolyl oligopeptidase family protein
13394218	3.94	4	-1.04	0.883137	0.928712	AT2G18560	UDP-glycosyltransferase-like protein
13468703	3.94	4.11	-1.12	0.46415	0.643538	AO1	amine oxidase 1
13514750	3.94	4.12	-1.13	0.69442	0.798576	AT5G53970	tyrosine aminotransferase
13489742	3.94	4.14	-1.15	0.670687	0.78147	BGAL12	beta-galactosidase 12
13495516	3.94	4.16	-1.16	0.412704	0.613383	AT4G38950	ATP binding microtubule motor family protein
13347864	3.94	4.17	-1.17	0.336624	0.576994	CYCB1;5	cyclin B
13467597	3.94	4.17	-1.18	0.573604	0.715329	AT4G11780	hypothetical protein
13533509	3.94	4.2	-1.2	0.404957	0.609014	EXPA24	expansin A24
13395139	3.94	4.23	-1.22	0.070721	0.407377	AT2G20680	mannan endo-1,4-beta-mannosidase 2
13449201	3.94	4.36	-1.34	0.217547	0.520618	APG12B	ubiquitin-like protein ATG12B
13368725	3.94	4.39	-1.37	0.092278	0.429659	CYCB3;1	cyclin B3-1
13402731	3.94	4.41	-1.38	0.316496	0.568491	AT2G39400	alpha/beta-hydrolase domain-containing protein
13531947	3.94	4.41	-1.39	0.466653	0.645004	AT5G29070	hypothetical protein
13523860	3.94	4.45	-1.42	0.020797	0.324125	DIC3	dicarboxylate carrier 3
13379580	3.94	4.47	-1.44	0.458717	0.640177	AT1G54570	acyltransferase-like protein
13490908	3.94	4.54	-1.52	0.134126	0.463251	AT4G28650	putative leucine-rich repeat transmembrane protein kinase
13442679	3.94	4.56	-1.54	0.598154	0.731384	AT3G62570	tetratricopeptide repeat-containing protein
13444738	3.94	4.61	-1.59	0.656701	0.772393	AT3G04855	hypothetical protein
13433994	3.94	4.74	-1.74	0.008743	0.293015	AT3G27640	protein denticleless
13449475	3.94	4.78	-1.78	0.063854	0.400174	NCED3	9-cis-epoxycarotenoid dioxygenase NCED3
13528127	3.94	7.23	-9.81	0.025826	0.33601	AT5G19110	Eukaryotic aspartyl protease family protein
13354743	3.93	2.85	2.12	0.129219	0.459395	AT1G63520	hypothetical protein
13536053	3.93	2.99	1.92	0.015237	0.313468	AT5G46100	pentatricopeptide repeat-containing protein
13456877	3.93	3.23	1.63	0.158819	0.481364	AT3G46800	cysteine/histidine-rich C1 domain-containing protein
13373466	3.93	3.32	1.52	0.118151	0.448013	AT1G28690	pentatricopeptide repeat-containing protein
13367712	3.93	3.41	1.43	0.189044	0.50294	AT1G14130	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase-like protein
13509448	3.93	3.5	1.34	0.179804	0.495459	AT5G42146	hypothetical protein
13373050	3.93	3.52	1.33	0.221811	0.522974	ATCSA-1	transducin/WD-40 repeat-containing protein
13395620	3.93	3.61	1.26	0.247778	0.536315	CAD2	cinnamyl alcohol dehydrogenase 2
13364259	3.93	3.66	1.2	0.057683	0.39275	AT1G06580	pentatricopeptide repeat-containing protein
13366944	3.93	3.7	1.18	0.446993	0.634055	AT1G12020	hypothetical protein
13388625	3.93	3.74	1.14	0.5968	0.731051	AT1G77580	filament-like plant protein 1
13345753	3.93	3.81	1.08	0.849866	0.905394	AT1G29179; AT1G29180	hypothetical protein; DC1 domain-containing protein
13483876	3.93	3.83	1.07	0.446095	0.633545	AT4G13220	hypothetical protein
13465230	3.93	3.85	1.06	0.846261	0.903102	AT4G03140; AT4G03150	Rossmann-fold NAD(P)-binding domain-containing protein; hypothetical protein
13463003	3.93	3.89	1.02	0.819431	0.884451	AT3G61820	aspartyl protease-like protein
13478283	3.93	3.91	1.01	0.96625	0.980208	AT4G36100	sec1/munc18-like (SM) family protein
13521675	3.93	3.96	-1.02	0.790483	0.864361	TRFL10	protein TRF-like 10

13425299	3.93	3.96	-1.03	0.932081	0.958744	LCR44	putative defensin-like protein 73
13468766	3.93	3.98	-1.03	0.581661	0.721238	AT4G15020	hAT and BED zinc finger domain-containing protein
13433447	3.93	3.99	-1.04	0.386758	0.598595	AT3G26115	Pyridoxal-5'-phosphate-dependent enzyme family protein
13481101	3.93	4	-1.05	0.841539	0.900247	AT4G02750	pentatricopeptide repeat-containing protein
13346237	3.93	4.06	-1.09	0.760107	0.842851	MRP13	multidrug resistance-associated protein 13
13434828	3.93	4.09	-1.12	0.175269	0.492147	AT3G32047	electron carrier/ heme binding / iron ion binding / monooxygenase protein
13456118	3.93	4.11	-1.13	0.472508	0.648081	AT3G44704	hypothetical protein
13371259	3.93	4.15	-1.16	0.539777	0.692057	UGT85A1	cytokinin-O-glucosyltransferase 2
13428019	3.93	4.16	-1.17	0.023682	0.331326	AT3G14190	hypothetical protein
13353177	3.93	4.2	-1.2	0.843535	0.901298	AT1G58120; CPuORF45	hypothetical protein; conserved peptide upstream open reading frame 45
13398838	3.93	4.27	-1.27	0.034662	0.355201	TBL45	trichome birefringence-like 45 protein
13525197	3.93	4.37	-1.36	0.171534	0.489309	AT5G12300	calcium-dependent lipid-binding domain-containing protein
13485133	3.93	4.46	-1.44	0.381365	0.596438	AT4G15830	ARM repeat protein-like protein
13349397	3.93	4.61	-1.6	0.301891	0.563858	RLP7	receptor like protein 7
13410362	3.93	4.71	-1.71	0.160708	0.483101	AT2G19410	U-box domain-containing protein 34
13508654	3.93	4.84	-1.88	0.034623	0.355201	MYB23	transcription factor MYB23
13456261	3.93	4.98	-2.07	0.038755	0.364658	AT3G45180	ubiquitin family protein
13377838	3.93	5.01	-2.12	0.296913	0.562185	AT1G50290	hypothetical protein
13456115	3.93	5.08	-2.22	0.199547	0.508937	AT3G44700	hypothetical protein
13367506	3.93	5.1	-2.26	0.084153	0.418105	AT1G13500	hypothetical protein
13460545	3.93	6.11	-4.55	0.045228	0.375052	CCR3	putative serine/threonine-protein kinase-like protein CCR3
13495995	3.93	6.43	-5.63	0.06067	0.396635	AGP3	arabinogalactan protein 3
13545260	3.93	6.68	-6.73	0.356733	0.584795	ArthMp021	hypothetical protein
13494630	3.92	2.47	2.75	0.030512	0.350098	AT4G37095	hypothetical protein
13533842	3.92	2.91	2	0.248833	0.536581	AT5G40310	exonuclease-like protein
13527788	3.92	2.97	1.94	0.111287	0.442715	AT5G18340	U-box domain-containing protein 48
13517088	3.92	3.13	1.74	0.133249	0.462782	AT5G59570	myb family transcription factor
13454853	3.92	3.28	1.56	0.277177	0.55187	AT3G28660	pentatricopeptide repeat-containing protein
13489910	3.92	3.33	1.51	0.170723	0.488769	AT4G26540	putative LRR receptor-like serine/threonine-protein kinase
13390955	3.92	3.39	1.44	0.509433	0.671793	WHY3	ssDNA-binding transcriptional regulator
13464947	3.92	3.47	1.38	0.456914	0.639161	AT4G02485	oxidoreductase, 2OG-Fe(II) oxygenase family pro
13479627	3.92	3.57	1.28	0.680853	0.788524	EMB2453	pentatricopeptide repeat-containing protein
13366650	3.92	3.59	1.26	0.248778	0.536581	CRR22	pentatricopeptide repeat-containing protein
13465964	3.92	3.59	1.26	0.539593	0.692057	AT4G05210	trimeric LpxA-like protein
13509341	3.92	3.67	1.19	0.062148	0.398248	AT5G41860	hypothetical protein
13385632	3.92	3.68	1.18	0.59363	0.728948	AT1G70260	nodulin MtN21 /EamA-like transporter protein
13407884	3.92	3.71	1.16	0.581061	0.72076	AT2G04860	pentatricopeptide repeat-containing protein
13486953	3.92	3.81	1.08	0.480977	0.652645	AT4G19550	zinc ion binding / transcription regulator
13381948	3.92	3.85	1.05	0.870426	0.919585	AT1G61480	S-locus lectin protein kinase-like protein
13527938	3.92	3.88	1.03	0.92643	0.955683	EMB269	GTP1/OBG family protein
13446414	3.92	3.89	1.02	0.868104	0.917947	AT3G08490	hypothetical protein

13455726	3.92	3.96	-1.03	0.910105	0.9455	AT3G43291	hypothetical protein
13518287	3.92	4.21	-1.22	0.443934	0.631898	AT5G62280	hypothetical protein
13357737	3.92	4.28	-1.28	0.423549	0.619184	AT1G71170	6-phosphogluconate dehydrogenase-like protein
13393221	3.92	4.35	-1.35	0.438051	0.628329	AT2G15580	RING/U-box domain-containing protein
13456363	3.92	4.38	-1.38	0.090709	0.427844	AT3G45430	concanavalin A-like lectin kinase-like protein
13509130	3.92	4.57	-1.57	0.269164	0.547699	GL3	transcription factor GLABRA 3
13534229	3.92	4.68	-1.7	0.309438	0.566851	AT5G41460	hypothetical protein
13485247	3.92	4.94	-2.03	0.131464	0.461561	AT4G16146	cAMP-regulated phosphoprotein 19-related protein
13447661	3.92	4.95	-2.04	0.013998	0.311611	AZG1	adenine/guanine permease AZG1
13531193	3.92	5.47	-2.92	0.036073	0.35801	MSS1	sugar transport protein 13
13360595	3.92	5.65	-3.32	0.04888	0.377942	AT1G78260	RNA recognition motif-containing protein
13482568	3.91	3.05	1.81	0.141979	0.468108	AT4G09770	TRAF-like family protein
13534802	3.91	3.15	1.69	0.250746	0.537906	AT5G43040	cysteine/histidine-rich C1 domain-containing protein
13347156	3.91	3.24	1.59	0.031265	0.351689	AT1G32583	hypothetical protein
13397736	3.91	3.24	1.59	0.08338	0.417856	AT2G27180	hypothetical protein
13444436	3.91	3.26	1.57	0.045838	0.376634	AT3G04220	TIR-NBS-LRR class disease resistance protein
13440682	3.91	3.36	1.47	0.367302	0.590549	AT3G57710; AT3G57700	protein kinase family protein; putative protein kinase
13446677	3.91	3.5	1.33	0.151126	0.473698	AT3G09060	pentatricopeptide repeat-containing protein
13479306	3.91	3.53	1.3	0.174815	0.491983	CRK26	cysteine-rich receptor-like protein kinase 26
13442695	3.91	3.55	1.28	0.471669	0.64746	AT3G62620	sucrose-phosphatase-like protein
13352998	3.91	3.57	1.27	0.279419	0.553724	AT1G56610	RNI/FBD-like domain-containing protein
13512541	3.91	3.65	1.2	0.082273	0.417507	AT5G49215	glycoside hydrolase family 28 protein / polygalacturonase (pectinase) family protein
13500790	3.91	3.72	1.14	0.651733	0.768946	AT5G12970	calcium-dependent lipid-binding domain-containing plant phosphoribosyltransferase-like protein
13374621	3.91	3.76	1.12	0.153785	0.476554	AT1G31760	SWIB/MDM2 domain-containing protein
13465077	3.91	3.88	1.02	0.929696	0.95721	AT4G02725	hypothetical protein
13467202	3.91	3.9	1.01	0.801285	0.871902	AT4G10800	hypothetical protein
13422904	3.91	3.92	-1.01	0.962759	0.977985	NAC044	NAC domain containing protein 44
13493563	3.91	3.96	-1.03	0.711199	0.809943	AT4G34730	ribosome-binding factor A
13536562	3.91	3.96	-1.04	0.885634	0.930155	AT5G47460	pentatricopeptide repeat-containing protein
13421301	3.91	3.98	-1.05	0.747024	0.834037	AT2G44630	F-box/kelch-repeat protein
13433982	3.91	3.99	-1.05	0.732525	0.82521	AT3G27540	beta-1,4-mannosyl-glycoprotein
13502449	3.91	4.01	-1.07	0.680755	0.788445	AT5G16860	pentatricopeptide repeat-containing protein
13541740	3.91	4.03	-1.08	0.890366	0.932559	AT5G60650	hypothetical protein
13495843	3.91	4.07	-1.12	0.296916	0.562185	AT4G39790	hypothetical protein
13509250	3.91	4.08	-1.13	0.744971	0.83246	AT5G41680; AT5G41685	probably inactive receptor-like protein kinase; mitochondrial import receptor subunit TOM7-1
13423547	3.91	4.14	-1.17	0.639803	0.760123	AT3G02930	hypothetical protein
13380182	3.91	4.23	-1.25	0.084445	0.418462	AT1G56060	hypothetical protein
13435850	3.91	4.31	-1.32	0.32882	0.574596	AT3G45700	major facilitator protein
13498183	3.91	4.32	-1.33	0.265296	0.545853	EIF3G2	translation initiation factor eIF-3 subunit 4
13421960	3.91	4.36	-1.36	0.402201	0.607009	AT2G46290	translation initiation factor eIF-3 subunit 2

13486540	3.91	4.35	-1.36	0.110734	0.441993	CHLI1	magnesium-chelatase subunit chlI
13514219	3.91	4.59	-1.6	0.095862	0.431773	AT5G52970	thylakoid lumenal protein 2
13350451	3.91	4.64	-1.66	0.070366	0.406861	AT1G50603	hypothetical protein
13475543	3.91	4.71	-1.75	0.326296	0.573808	AT4G30320	allergen V5/Tpx-1-related family protein
13437415	3.91	4.8	-1.85	0.301019	0.563852	AT3G49420; AT5G01430	Got1/Sft2-like vescicle transport-like protein; Got1/Sft2-like vescicle transport protein
13351851	3.91	4.84	-1.91	0.203417	0.51074	AT1G53885; AT1G53903	hypothetical protein
13351875	3.91	4.84	-1.91	0.203417	0.51074	AT1G53885; AT1G53903	hypothetical protein
13436407	3.91	5.09	-2.26	0.316144	0.568464	AT3G47400	pectinesterase 33
13537378	3.91	5.12	-2.31	0.088513	0.424955	AT5G49350	glycine-rich protein
13459445	3.91	5.33	-2.66	0.179727	0.495383	AT3G53380	concanavalin A-like lectin kinase-like protein
13421112	3.91	6.01	-4.29	0.01412	0.312376	MLO15; GDI1	MLO-like protein 15; guanosine nucleotide diphosphate dissociation inhibitor 1
13498073	3.9	3.2	1.63	0.068836	0.406403	AT5G05710	pleckstrin homology domain-containing protein
13403297	3.9	3.31	1.51	0.180981	0.496382	AT2G40530	hypothetical protein
13470362	3.9	3.42	1.4	0.152916	0.47575	SNI1	negative regulator of systemic acquired resistance (SNI1)
13509966	3.9	3.47	1.35	0.121707	0.45259	AT5G43210	endo/excinuclease amino terminal domain-containing protein
13497015	3.9	3.53	1.29	0.178475	0.494539	AT5G03510	C2H2-type zinc finger protein
13512439	3.9	3.63	1.21	0.254169	0.539615	SLD5	GINS complex subunit 4
13369699	3.9	3.63	1.2	0.225258	0.524988	AT1G18360	alpha/beta-hydrolase domain-containing protein
13497737	3.9	3.64	1.2	0.170904	0.489004	AT5G05090	myb family transcription factor
13488719	3.9	3.75	1.11	0.617978	0.745367	AT4G23820	glycoside hydrolase family 28 protein / polygalacturonase (pectinase) family protein
13423174	3.9	3.79	1.08	0.828202	0.890781	AT3G02120	hydroxyproline-rich glycoprotein-like protein
13449481	3.9	3.83	1.06	0.586346	0.72477	AT3G14470	putative disease resistance RPP13-like protein 1
13484389	3.9	3.82	1.06	0.505465	0.668937	AT4G14190	pentatricopeptide repeat-containing protein
13496624	3.9	3.85	1.04	0.896926	0.93654	AT5G02580	hypothetical protein
13472393	3.9	4	-1.07	0.801886	0.872258	AT4G23420	Rossmann-fold NAD(P)-binding domain-containing protein
13461348	3.9	4.03	-1.09	0.019519	0.322314	AT3G57800	transcription factor bHLH60
13424017	3.9	4.03	-1.09	0.578081	0.718123	AT3G04040	hypothetical protein
13449630	3.9	4.55	-1.57	0.146355	0.470772	IQD10	protein IQ-domain 10
13447680	3.9	4.59	-1.62	0.214104	0.518562	AT3G10986	LURP-one-like protein 9
13350787	3.9	4.61	-1.64	0.348348	0.580705	AT1G51402; AT1G51400	hypothetical protein; Photosystem II 5 kD protein
13348750	3.9	4.81	-1.88	0.252241	0.538705	AT1G43970	hypothetical protein
13377493	3.9	5.21	-2.49	0.163801	0.485527	AT1G49650	alpha/beta-hydrolase domain-containing protein
13336813	3.9	5.51	-3.05	0.306543	0.565397	CHX14	cation/H(+) antiporter 14
13475981	3.9	7.24	-10.13	0.018705	0.321499	AT4G31330	hypothetical protein
13545477	3.89	3.26	1.55	0.542462	0.694165		
13470048	3.89	3.33	1.48	0.051651	0.382313	AT4G17660	protein kinase family protein
13478453	3.89	3.39	1.41	0.143405	0.469064	AT4G36580	AAA-type ATPase family protein

13419504	3.89	3.44	1.36	0.383848	0.597749	AT2G40711	hypothetical protein
13530706	3.89	3.67	1.16	0.546739	0.697062	AT5G24970	aarF domain-containing kinase
13447478	3.89	3.73	1.12	0.554581	0.702641	CPK2	calmodulin-domain protein kinase cdpk isoform 2
13383983	3.89	3.74	1.1	0.84574	0.902782	PMI2	plastid movement impaired 2 protein
13431506	3.89	3.97	-1.06	0.731567	0.824444	AT3G21470	pentatricopeptide repeat-containing protein
13423710	3.89	4.12	-1.18	0.337725	0.577243	AT3G03350	Rossmann-fold NAD(P)-binding domain-containing protein
13522999	3.89	4.13	-1.18	0.574964	0.716279	AT5G07160	DNA binding protein
13534391	3.89	4.17	-1.21	0.583964	0.723023	BIP2	Luminal-binding protein 2
13460492	3.89	4.19	-1.24	0.018616	0.321499	MYB109	myb domain protein 109
13338657	3.89	4.4	-1.42	0.447136	0.634142	AT1G11125	hypothetical protein
13508995	3.89	4.42	-1.45	0.032652	0.353251	YSL4	putative metal-nicotianamine transporter YSL4
13418421	3.89	4.51	-1.53	0.215266	0.519459	PHT4;2	putative anion transporter 3
13480325	3.89	4.55	-1.57	0.172394	0.489773	AT4G00893	hypothetical protein
13375369	3.89	4.65	-1.69	0.137253	0.46568	AT1G34060	Pyridoxal phosphate-dependent transferase domain-containing protein
13480002	3.89	4.75	-1.82	0.177384	0.49345	ANTR2	putative anion transporter 2
13470419	3.89	4.83	-1.92	0.204121	0.511039	AT4G18501; AT4G18500	hypothetical protein
13388927	3.89	4.86	-1.95	0.112513	0.443735	GSTU23	glutathione S-transferase TAU 23
13408542	3.89	5.59	-3.25	0.281327	0.554599	AT2G11851	hypothetical protein
13500204	3.88	3.28	1.51	0.387292	0.598693	APT5	adenine phosphoribosyltransferase 5
13429350	3.88	3.32	1.48	0.334846	0.576654	AT3G16900	LURP-one-related 13 protein
13445112	3.88	3.41	1.39	0.23411	0.529452	AT3G05685	cystatin-related protein
13380067	3.88	3.57	1.24	0.213443	0.518061	AT1G55800	hypothetical protein
13479801	3.88	3.62	1.19	0.618202	0.745446	AT4G39952	pentatricopeptide repeat-containing protein
13427723	3.88	3.66	1.17	0.528893	0.685594	AT3G13600	calmodulin-binding protein-like protein
13344979	3.88	3.67	1.16	0.037173	0.360541	AT1G27120	putative beta-1,3-galactosyltransferase 17
13416655	3.88	3.69	1.14	0.084373	0.418397	MEE18	maternal effect embryo arrest 18 protein
13419196	3.88	3.7	1.13	0.534704	0.688878	MYB25	myb domain protein 25
13344585	3.88	3.77	1.08	0.395518	0.603454	SOFL1	SOB five-like 1 protein
13466622	3.88	3.8	1.06	0.824411	0.88794	AT4G09160	patellin-5
13496744	3.88	3.83	1.04	0.879379	0.926236	AT5G02850	hydroxyproline-rich glycoprotein family protein
13526950	3.88	3.85	1.02	0.934367	0.960304	AT5G16410	HXXXD-type acyl-transferase-like protein
13405439	3.88	3.92	-1.03	0.876265	0.923637	AT2G45680	transcription factor TCP9
13393819	3.88	3.94	-1.04	0.744167	0.831919	AT2G17525	pentatricopeptide repeat-containing protein
13542137	3.88	3.97	-1.06	0.926586	0.955765	NAC100	NAC domain containing protein 100
13345142	3.88	4	-1.09	0.462206	0.642726	NPGR1	no pollen germination related 1 protein
13343693	3.88	4.03	-1.11	0.375419	0.593207	AT1G23100	GroES-like protein
13340849	3.88	4.05	-1.12	0.624636	0.749568	MYB58	myb domain protein 58
13512177	3.88	4.07	-1.14	0.62372	0.749079	GLR1.3	glutamate receptor 1.3
13536503	3.88	4.27	-1.31	0.418393	0.616376	AT5G47250	putative disease resistance protein
13482914	3.88	4.3	-1.34	0.13618	0.465036	AT4G10650	GTP binding protein
13529684	3.88	4.46	-1.5	0.586319	0.72477	AT5G22870	late embryogenesis abundant hydroxyproline-rich glycoprotein
13486443	3.88	4.57	-1.61	0.227592	0.525679	AT4G18250	putative receptor serine/threonine kinase
13445662	3.88	4.58	-1.62	0.368343	0.590997	AT3G06630	protein kinase family protein

13460757	3.88	4.6	-1.65	0.13094	0.460747	WRKY70	putative WRKY transcription factor 70
13355722	3.88	4.63	-1.69	0.033457	0.354018		
13348572	3.88	4.99	-2.15	0.022581	0.327966	AT1G43020	hypothetical protein
13515486	3.88	5.01	-2.19	0.165314	0.485944	AT5G55780	cysteine/histidine-rich C1 domain-containing protein
13338853	3.88	5.36	-2.8	0.605155	0.735954		
13350252	3.88	5.36	-2.8	0.605155	0.735954		
13350254	3.88	5.36	-2.8	0.605155	0.735954		
13438573	3.88	5.36	-2.8	0.605155	0.735954		
13511186	3.88	5.36	-2.8	0.605155	0.735954		
13522555	3.88	5.36	-2.8	0.605155	0.735954		
13518322	3.88	5.6	-3.3	0.260505	0.542969	AT5G62340	plant invertase/pectin methylesterase inhibitor domain-containing protein
13506746	3.88	5.87	-3.97	0.375183	0.593207	AT5G27967	hypothetical protein
13511036	3.87	3.08	1.73	0.103938	0.43639	CIPK19	CBL-interacting serine/threonine-protein kinase 19
13429787	3.87	3.1	1.7	0.029087	0.347859	AT3G17890	hypothetical protein
13367495	3.87	3.34	1.45	0.429207	0.622763	AT1G13480	hypothetical protein
13425675	3.87	3.33	1.45	0.28883	0.557782	AT3G07930	methyl-CpG-binding domain protein 4
13522983	3.87	3.41	1.38	0.069574	0.406403	CIPK2	CBL-interacting serine/threonine-protein kinase 2
13502246	3.87	3.44	1.35	0.215085	0.519459	FRL1	protein FRIGIDA like 1
13422819	3.87	3.47	1.32	0.49688	0.663222	AT3G01350; AT3G01360	putative peptide/nitrate transporter; hypothetical protein
13531423	3.87	3.55	1.25	0.63838	0.759209	AT5G27210	hypothetical protein
13490067	3.87	3.63	1.18	0.592399	0.728214	AT4G26810	SWIB/MDM2 domain-containing protein
13362210	3.87	3.66	1.16	0.397503	0.604424	AT1G02060	pentatricopeptide repeat-containing protein
13387955	3.87	3.69	1.14	0.086441	0.422075	AT1G76120	pseudouridine synthase-like protein
13482043	3.87	3.69	1.13	0.313604	0.568024		
13378738	3.87	3.71	1.12	0.656165	0.772008	PLDALPHA2	phospholipase D alpha 2
13368503	3.87	3.72	1.11	0.386807	0.598595	ATPC2; AVP1	ATP synthase gamma chain 2; Pyrophosphate-energized vacuolar membrane proton pump 1
13493340	3.87	3.72	1.11	0.45406	0.637478	AT4G34090; AT4G34080	putative cyclin delta-3; hypothetical protein
13503984	3.87	3.75	1.09	0.389715	0.599938	MGD2	Monogalactosyldiacylglycerol synthase 2
13517873	3.87	3.76	1.08	0.46689	0.645035	AT5G61360; AT5G61370	hypothetical protein; pentatricopeptide repeat-containing protein
13369853	3.87	3.79	1.06	0.903939	0.941318	MIF3	mini zinc finger
13375709	3.87	3.82	1.04	0.79363	0.866707	AT1G35560	transcription factor TCP23
13366817	3.87	3.84	1.02	0.950197	0.970362	AT1G11800	endonuclease/exonuclease/phosphatase-like protein
13362139	3.87	3.9	-1.02	0.950412	0.970513	AT1G01880	5'-3' exonuclease-like protein
13411253	3.87	3.9	-1.02	0.848292	0.904526		
13449860	3.87	3.9	-1.02	0.907835	0.943897	UVR3	(6-4)DNA photolyase
13353020	3.87	3.92	-1.03	0.687174	0.792977	AT1G56690	pentatricopeptide repeat-containing protein
13362921	3.87	3.91	-1.03	0.794657	0.867465	ERF10	ethylene-responsive transcription factor 10
13371646	3.87	3.92	-1.03	0.735966	0.827281	KNAT6	homeobox protein knotted-1-like 6
13396233	3.87	3.96	-1.06	0.219999	0.521793	AT2G23093	major facilitator protein

13436985	3.87	3.97	-1.07	0.737618	0.828047	AT3G48425	endonuclease/exonuclease/phosphatase domain-containing protein
13532895	3.87	3.98	-1.08	0.667285	0.778978	AT5G37351	hypothetical protein
13393136	3.87	4.04	-1.13	0.171851	0.489538	AT2G15300	leucine-rich repeat protein kinase-like protein
13427382	3.87	4.08	-1.16	0.356374	0.584728	AT3G12900	oxidoreductase, 2OG-Fe(II) oxygenase family protein
13481730	3.87	4.08	-1.16	0.687808	0.793463	PDF2	homeobox-leucine zipper protein PROTODERMAL FACTOR 2
13394232	3.87	4.13	-1.2	0.504572	0.668436	AT2G18620	geranylgeranyl diphosphate synthase 7
13496607	3.87	4.15	-1.21	0.632099	0.754867	AT5G02540	Rossmann-fold NAD(P)-binding domain-containing protein
13366971	3.87	4.27	-1.32	0.368213	0.590932	AT1G12150; FMO GS-OX5	hypothetical protein; flavin-monooxygenase glucosinolate S-oxygenase 5
13358536	3.87	4.39	-1.43	0.282036	0.555268	HTH	protein HOTHEAD
13353974	3.87	4.59	-1.65	0.38967	0.599938	AT1G61180	LRR and NB-ARC domain-containing disease resistance protein
13505456	3.87	4.8	-1.91	0.029872	0.349787	COL4	protein CONSTANS-like 4
13469610	3.87	5.12	-2.38	0.059344	0.39493	AT4G16600	GT8-glycogenin domain-containing protein
13540107	3.87	5.15	-2.42	0.048817	0.377942	NAC099	NAC domain containing protein 99
13461917	3.87	5.41	-2.91	0.071029	0.407839	MRP14	multidrug resistance-associated protein 14
13337142	3.87	5.49	-3.07	0.151593	0.473912	LBD1	LOB domain-containing protein 1
13401383	3.87	5.52	-3.15	0.171442	0.489309	AT2G36026; AT2G36030	Ovate family protein; hypothetical protein
13525726	3.87	5.53	-3.17	0.000081	0.14124	PAO1	Polyamine oxidase 1
13350723	3.87	5.63	-3.39	0.001308	0.242634	AT1G51340	MATE efflux family protein
13372145	3.87	5.81	-3.84	0.020292	0.322692	AT1G24575	hypothetical protein
13433000	3.87	8.13	-19.14	0.006221	0.280665	AT3G25190	vacuolar iron transporter-like protein
13429928	3.86	2.84	2.04	0.01041	0.296261	NRPD2B	DNA-directed RNA polymerase II subunit B
13348341	3.86	3.07	1.74	0.394161	0.602702	AT1G36920	hypothetical protein
13441572	3.86	3.25	1.52	0.10365	0.436308	CSY5	citrate synthase 5
13457559	3.86	3.26	1.51	0.101974	0.435457	AT3G48770	ATP/DNA binding protein
13421085	3.86	3.42	1.36	0.203344	0.510709	AT2G44020	transcription termination factor domain-containing protein
13352931	3.86	3.43	1.35	0.211557	0.516891	AT1G56500	haloacid dehalogenase-like hydrolase domain-containing protein
13355519	3.86	3.45	1.33	0.095539	0.431678	AT1G65484	hypothetical protein
13384624	3.86	3.54	1.25	0.502362	0.666827	AT1G67600	Acid phosphatase/vanadium-dependent haloperoxidase-related protein
13446048	3.86	3.56	1.24	0.455967	0.638899		
13454741	3.86	3.6	1.2	0.457855	0.639713	PGP16	ABC transporter B family member 16
13457995	3.86	3.6	1.2	0.086535	0.422231	RLP44	receptor like protein 44
13500273	3.86	3.66	1.15	0.287876	0.557432	AT5G11310	pentatricopeptide repeat-containing protein
13507548	3.86	3.73	1.1	0.250445	0.537706	AT5G36740; AT5G36670	Acyl-CoA N-acyltransferase with RING/FYVE/PHD-type zinc finger domain; RING/FYVE/PHD zinc finger-containing protein
13519752	3.86	3.73	1.1	0.695577	0.799263	AIL7	AINTEGUMENTA-like 7 protein
13421246	3.86	3.78	1.06	0.451097	0.635828	GH9B10	endoglucanase 13

13429200	3.86	3.77	1.06	0.766069	0.847127	AT3G16650	protein pleiotropic regulator PRL2
13361109	3.86	3.88	-1.02	0.626956	0.751229	EMB2217	pentatricopeptide repeat-containing protein
13494354	3.86	3.89	-1.02	0.784098	0.859647	AT4G36530	hydrolase, alpha/beta fold family protein
13504520	3.86	3.93	-1.05	0.464395	0.643588	AT5G22555	hypothetical protein
13536283	3.86	4.03	-1.12	0.286042	0.556821	AT5G46600	aluminum activated malate transporter family protein
13446472	3.86	4.05	-1.14	0.508947	0.671534	AT3G08570	phototropic-responsive NPH3-like protein
13451040	3.86	4.19	-1.26	0.03131	0.351689	AT3G18779	hypothetical protein
13501839	3.86	4.19	-1.26	0.448161	0.634839	AT5G15510	TPX2 (targeting protein for Xklp2) family protein
13472103	3.86	4.31	-1.37	0.056027	0.388357	AT4G22666	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13527997	3.86	4.33	-1.38	0.288974	0.557782	PCB2	Rossmann-fold NAD(P)-binding domain-containing protein
13448929	3.86	4.38	-1.43	0.280473	0.554406	AT3G13403	defensin-like protein 302
13417341	3.86	4.39	-1.45	0.079297	0.414078	AT2G35710	nucleotide-diphospho-sugar transferase domain-containing protein
13544683	3.86	4.5	-1.57	0.218701	0.520899	AT5G67370	hypothetical protein
13498728	3.86	4.55	-1.62	0.212157	0.517359	AT5G07310	ethylene-responsive transcription factor ERF115
13365144	3.86	4.59	-1.66	0.571041	0.71319	AT1G08270; TIL1	hypothetical protein; DNA polymerase epsilon subunit 1
13336204	3.86	4.65	-1.73	0.014644	0.313095	AT1G05740	hypothetical protein
13456701	3.86	4.77	-1.87	0.321964	0.571489	AT3G46280	protein kinase-like protein
13455281	3.86	4.87	-2.01	0.40082	0.606291	AT3G30220	hypothetical protein
13376257	3.86	5.55	-3.24	0.000258	0.180656	AT1G44130	aspartyl protease-like protein
13403718	3.86	7.71	-14.45	0.000142	0.167423	AT2G41380	S-adenosyl-L-methionine-dependent methyltransferase-like protein
13462458	3.85	2.69	2.23	0.06468	0.401596	AT3G60370	FKBP-type peptidyl-prolyl cis-trans isomerase 6
13465865	3.85	2.74	2.15	0.026825	0.339715	AT4G04972	hypothetical protein
13509310	3.85	2.97	1.83	0.097813	0.433275	AT5G41780	myosin heavy chain-like protein
13433590	3.85	3.12	1.66	0.107952	0.439862	LWD2	WD repeat-containing protein LWD2
13407253	3.85	3.43	1.33	0.187709	0.50204	AT2G02770	4'-phosphopantetheinyl transferase domain-containing protein
13487060	3.85	3.48	1.3	0.018827	0.321499	AT4G19865	putative F-box/kelch-repeat protein
13530109	3.85	3.56	1.22	0.098922	0.433702	AT5G24040	hypothetical protein
13482780	3.85	3.71	1.1	0.721489	0.81738	NAC070	protein BEARSKIN1
13482584	3.85	3.73	1.09	0.762839	0.844569	AT4G09810	Nucleotide-sugar transporter family protein
13530116	3.85	3.91	-1.04	0.66709	0.778908	AT5G24050	hypothetical protein
13469282	3.85	3.91	-1.05	0.762101	0.844111	AT4G15890	condensin-2 complex subunit D3
13384715	3.85	3.97	-1.09	0.709218	0.808791	FXG1	alpha-L-fucosidase 3
13474117	3.85	3.98	-1.09	0.350603	0.582019	TSB2	tryptophan synthase beta chain
13437649	3.85	4.03	-1.13	0.783997	0.85957	AT3G50230	leucine-rich repeat protein kinase-like protein
13482912	3.85	4.02	-1.13	0.655165	0.771308	AT4G10630	Glutaredoxin family protein
13453377	3.85	4.08	-1.17	0.007315	0.288531	HSFC1	heat stress transcription factor C-1
13365305	3.85	4.09	-1.18	0.702829	0.804296	AT1G08670	ENTH/VHS family protein
13535711	3.85	4.21	-1.28	0.4586	0.640177	AT5G45200	TIR-NBS-LRR class disease resistance protein

13438862	3.85	4.22	-1.3	0.667693	0.779231	AT3G53220	thioredoxin-like 3-3
13413450	3.85	4.24	-1.31	0.403087	0.607607	AT2G26865	hypothetical protein
13425793	3.85	4.33	-1.39	0.551826	0.700797	AT3G08636	hypothetical protein
13417976	3.85	4.34	-1.4	0.055915	0.388357	SIGF	RNApolymerase sigma-subunit F
13419364	3.85	4.82	-1.95	0.047746	0.37767	FER4	ferritin 4
13498037	3.85	4.9	-2.07	0.125706	0.454851	AT5G05600	oxidoreductase, 2OG-Fe(II) oxygenase family protein
13452500	3.85	5.01	-2.24	0.277857	0.552487	AT3G22100	transcription factor bHLH117
13461737	3.85	5.11	-2.4	0.019349	0.321499	AT3G58720	RING/U-box domain-containing protein
13401102	3.85	5.12	-2.42	0.101877	0.435397	AT2G35585	hypothetical protein
13527183	3.85	5.26	-2.66	0.11784	0.447842	AER	2-alkenal reductase
13378071	3.85	6.3	-5.47	0.339986	0.578031	AT1G50954	hypothetical protein
13435032	3.85	6.31	-5.5	0.190761	0.50408	AT3G43148	hypothetical protein
13400587	3.84	2.61	2.35	0.028995	0.347855	AT2G34320	RNase H domain-containing protein
13448456	3.84	3.07	1.7	0.322012	0.57149		
13533686	3.84	3.11	1.66	0.081074	0.41589	AT5G39900	Small GTP-binding protein
13510436	3.84	3.29	1.46	0.181331	0.496788	CML43	putative calcium-binding protein CML43
13523265	3.84	3.38	1.38	0.306509	0.565397	AT5G07820	calmodulin-binding protein-like protein
13495759	3.84	3.44	1.32	0.486898	0.656298	AT4G39530	pentatricopeptide repeat-containing protein
13512306	3.84	3.45	1.31	0.547182	0.69741	AT5G48620	putative disease resistance RPP8-like protein 4
13510644	3.84	3.56	1.22	0.525166	0.682587	AT5G44870	TIR-NBS-LRR class disease resistance protein
13435164	3.84	3.63	1.16	0.358778	0.585867	AT3G43630	vacuolar iron transporter-like protein
13403475	3.84	3.64	1.15	0.621382	0.74783	CYSA	cysteine proteinase inhibitor 3
13447942	3.84	3.65	1.14	0.759382	0.842438	AT3G11680	Aluminum activated malate transporter family protein
13349713	3.84	3.67	1.13	0.240913	0.533477		
13440444	3.84	3.86	-1.01	0.906025	0.942563	AT3G57200	hypothetical protein
13500512	3.84	3.9	-1.04	0.876651	0.92397	AT5G11750	Ribosomal protein L19 family protein
13394008	3.84	3.91	-1.05	0.884517	0.929491	AT2G17972	hypothetical protein
13493027	3.84	3.91	-1.05	0.87844	0.925385	hda14	histone deacetylase 14
13449057	3.84	4.05	-1.16	0.350739	0.582019	AT3G13672	seven in absentia (SINA) domain-containing protein
13431935	3.84	4.09	-1.19	0.482124	0.653323	SOL1	Tesmin/TSO1-like CXC domain-containing protein
13416224	3.84	4.27	-1.35	0.308165	0.566144	AT2G33175	hypothetical protein
13504295	3.84	4.28	-1.35	0.152062	0.474291	AT5G21910; YLMG2	hypothetical protein; YGGT family protein
13353891	3.84	4.4	-1.47	0.066258	0.403288	GA20OX4	gibberellin 20-oxidase 4
13475629	3.84	4.53	-1.61	0.113864	0.444797	AT4G30650	putative low temperature and salt responsive protein
13431363	3.84	4.67	-1.78	0.085355	0.420058	ACA9	Ca2+-transporting ATPase
13337850	3.84	5.23	-2.62	0.193331	0.505856	AT1G09176	hypothetical protein
13449508	3.84	5.28	-2.71	0.109397	0.440715	AT3G14540	terpene cyclase, C1 domain-containing protein
13526744	3.84	5.39	-2.92	0.010853	0.297771	TBL21; AT5G15880	protein trichome birefringence-like 21; hypothetical protein
13530295	3.84	5.88	-4.1	0.013909	0.310827	AT5G24313	hypothetical protein
13381971	3.83	3.26	1.49	0.049098	0.378092	AT1G61550	S-locus lectin protein kinase-like protein

13383544	3.83	3.26	1.49	0.304837	0.565001	AT1G65481	hypothetical protein
13359203	3.83	3.35	1.39	0.020276	0.322692	EDS16	Isochorismate synthase 1
13495863	3.83	3.36	1.38	0.409011	0.610961	AT4G39810	exonuclease/ nucleic acid binding protein
13346470	3.83	3.38	1.36	0.14523	0.470007	AT1G30757	hypothetical protein
13419754	3.83	3.43	1.32	0.372248	0.591916	BHLH100	transcription factor bHLH100
13387200	3.83	3.44	1.3	0.606253	0.736757	RLP16	receptor like protein 16
13466597	3.83	3.54	1.23	0.552449	0.701184	AT4G09110	putative RING-H2 finger protein ATL35
13481686	3.83	3.54	1.22	0.126515	0.455782	AT4G04790	pentatricopeptide repeat-containing protein
13342217	3.83	3.62	1.16	0.41708	0.615806	AT1G19340	methyltransferase MT-A70-like protein
13471547	3.83	3.65	1.14	0.368962	0.591312	RP1	pyruvate, phosphate dikinase regulatory protein 1
13453258	3.83	3.68	1.12	0.53236	0.687596	chr40	chromatin remodeling 40
13428434	3.83	3.69	1.1	0.672099	0.782605	TCP4	transcription factor TCP4
13348684	3.83	3.76	1.05	0.850526	0.905829	AT1G43770	RING/FYVE/PHD zinc finger-containing protein
13373549	3.83	3.78	1.03	0.95786	0.975066		
13458076	3.83	3.8	1.02	0.948386	0.969195	AT3G50020	serine protease inhibitor / potato inhibitor I domain-containing protein
13357163	3.83	3.92	-1.07	0.583595	0.722899	COX19-2; COX19-1	cytochrome c oxidase 19-2; cytochrome c oxidase 19-1
13443197	3.83	3.98	-1.11	0.594643	0.729659	AT3G01329	ECA1-like gametogenesis related family protein
13456065	3.83	4.02	-1.15	0.506373	0.669767	AT3G44580	hypothetical protein
13382169	3.83	4.05	-1.17	0.722328	0.817715	AT1G62120	Mitochondrial transcription termination factor family protein
13514921	3.83	4.08	-1.19	0.510685	0.672452	AT5G54400	S-adenosyl-L-methionine-dependent methyltransferase-like protein
13341267	3.83	4.16	-1.26	0.083852	0.417946	RLP3	receptor like protein 3
13439349	3.83	4.24	-1.33	0.353423	0.583687	AT3G54510	Early-responsive to dehydration stress protein (ERD4)
13480765	3.83	4.32	-1.41	0.276229	0.551185	AT4G01930	cysteine/histidine-rich C1 domain-containing protein
13400051	3.83	4.39	-1.47	0.240119	0.532909	AP4.3A; BGAL9	putative protein kinase; beta galactosidase 9
13415780	3.83	4.4	-1.49	0.087839	0.423768	HSP70T-2	heat-shock protein 70T-2
13463691	3.83	4.65	-1.77	0.057016	0.391414	AT3G63380	Ca2+-transporting ATPase
13395883	3.83	4.83	-1.99	0.083642	0.417946	AT2G22426	hypothetical protein
13370899	3.83	5.1	-2.41	0.062798	0.398525	AT1G21528	hypothetical protein
13511990	3.83	5.19	-2.58	0.015018	0.313319	AT5G47980	BAHD acyltransferase
13508257	3.83	5.33	-2.84	0.358321	0.585786	AT5G38960	putative germin-like protein subfamily 1 member 12
13365420	3.82	2.5	2.5	0.019848	0.322692	NF-YB4	nuclear transcription factor Y subunit B-4
13545715	3.82	2.63	2.29	0.161224	0.483302	AT1G76065	LYR family of Fe/S cluster biogenesis protein
13414633	3.82	2.76	2.09	0.057028	0.391414	CTF2B	CTF2B like oxidoreductase
13431228	3.82	2.83	1.99	0.015965	0.315398	AT3G20810	transcription factor jumonji (jmjC) domain-containing protein
13487465	3.82	3.21	1.52	0.436743	0.627744	AT4G21220	trimeric LpxA-like protein
13484722	3.82	3.25	1.49	0.248102	0.536387	TCX2	TESMIN/TSO1-like CXC 2
13355737	3.82	3.31	1.43	0.255721	0.540325	MYB20	myb domain protein 20
13341196	3.82	3.37	1.36	0.314685	0.568201	CAT8	cationic amino acid transporter 8

13542735	3.82	3.69	1.09	0.673931	0.783971	AT5G63060	Sec14p-like phosphatidylinositol transfer family protein
13494820	3.82	3.71	1.08	0.846467	0.903221	AT4G37550	formamidase
13518887	3.82	3.7	1.08	0.727558	0.821319	SHA1; NAC102	RING/FYVE/PHD zinc finger-containing protein; NAC domain-containing protein 102
13468968	3.82	3.72	1.07	0.891742	0.933547	AT4G15260	UDP-glycosyltransferase-like protein
13538672	3.82	3.73	1.06	0.662996	0.776281	AT5G52450	mate efflux domain-containing protein
13382410	3.82	3.82	-1.01	0.955524	0.97361	AT1G62730; AT1G62720	isoprenoid biosynthesis enzyme domain-containing protein; pentatricopeptide repeat-containing protein
13404001	3.82	3.83	-1.01	0.958455	0.975346	AT2G42170	putative actin
13429050	3.82	3.88	-1.05	0.481716	0.652956	CDC27a	cell division cycle protein 27-A
13458625	3.82	3.89	-1.06	0.929455	0.957079	AT3G51320	pentatricopeptide repeat-containing protein
13463752	3.82	3.91	-1.07	0.150601	0.473426	AT3G63480; scpl40	ATP binding microtubule motor family protein; carboxypeptidase D
13360729	3.82	3.95	-1.09	0.570564	0.713022	POLD3	DNA-directed DNA polymerase
13528043	3.82	3.98	-1.12	0.734336	0.826059	SCL28	SC35-like splicing factor 28
13341592	3.82	4	-1.14	0.636998	0.758511	AT1G18000; AT1G18010	transmembrane transporter-like protein
13411852	3.82	4.14	-1.25	0.440611	0.629916	AT2G23040	hypothetical protein
13375091	3.82	4.17	-1.27	0.279405	0.553724	AT1G33102	hypothetical protein
13490677	3.82	4.32	-1.42	0.150426	0.473213	AT4G28080	tetratricopeptide repeat domain protein
13501560	3.82	4.34	-1.43	0.168536	0.487177	AO	L-aspartate oxidase
13340051	3.82	4.36	-1.45	0.296058	0.561293	AT1G14390	putative leucine-rich repeat transmembrane protein kinase
13426112	3.82	4.35	-1.45	0.252531	0.538793	AT3G09590	putative pathogenesis-related protein
13457443	3.82	4.38	-1.47	0.051855	0.382324	AT3G48237	hypothetical protein
13350791	3.82	4.4	-1.49	0.130231	0.460178	AT1G51405	myosin-related protein
13491933	3.82	4.39	-1.49	0.1839	0.498487	AT4G31250	putative LRR receptor-like serine/threonine-protein kinase
13499886	3.82	4.52	-1.63	0.037943	0.362432	RABH1e	RAB GTPase H1E
13472256	3.82	4.58	-1.69	0.449944	0.63543	AT4G23030	mate efflux domain-containing protein
13334642	3.82	4.65	-1.77	0.504833	0.668458	SPL8	squamosa promoter-binding-like protein 8
13452829	3.82	4.8	-1.97	0.066341	0.403288	AT3G23230	ethylene-responsive transcription factor ERF098
13457699	3.82	5.22	-2.64	0.073951	0.410257	AT3G49160	pyruvate kinase
13405989	3.82	5.43	-3.04	0.09596	0.431873	PPa3	pyrophosphorylase 3
13367213	3.82	5.7	-3.69	0.154698	0.477786	AT1G12845	hypothetical protein
13462364	3.82	6.04	-4.67	0.421139	0.617806		
13545219	3.82	6.11	-4.88	0.329224	0.574796	ArthMp105	hypothetical protein
13336854	3.82	6.77	-7.75	0.301962	0.563858		
13351568	3.82	6.77	-7.75	0.301962	0.563858		
13424847	3.82	6.77	-7.75	0.301962	0.563858		
13449636	3.82	6.77	-7.75	0.301962	0.563858		
13494402	3.82	6.77	-7.75	0.301962	0.563858		
13481428	3.81	2.7	2.16	0.032229	0.352847		
13487530	3.81	2.85	1.93	0.041833	0.368143	CRK28	cysteine-rich receptor-like protein kinase 28
13371444	3.81	3.01	1.74	0.062662	0.398459	AT1G22980	hypothetical protein
13376955	3.81	3.09	1.65	0.040208	0.365591	AT1G48390	RNI-like protein
13357473	3.81	3.16	1.57	0.137664	0.46568		

13469984	3.81	3.21	1.52	0.220861	0.522049	AT4G17560	50S ribosomal protein L19-1
13335362	3.81	3.51	1.23	0.169774	0.48808	AT1G03540	pentatricopeptide repeat-containing protein
13419259	3.81	3.55	1.2	0.159559	0.481832	AT2G40010	60S acidic ribosomal protein P0-1
13520669	3.81	3.57	1.19	0.197232	0.507663	AT5G01070	RING/FYVE/PHD zinc finger-containing protein
13461471	3.81	3.62	1.14	0.554207	0.702374	LBD29	LOB domain-containing protein 29
13371062	3.81	3.63	1.13	0.099172	0.433828	AT1G21925	Plant thionin family protein
13521682	3.81	3.73	1.06	0.81788	0.88355	AT5G03795	putative glycosyltransferase
13464884	3.81	3.75	1.04	0.842468	0.900702	PP	Poly [ADP-ribose] polymerase 2
13367916	3.81	3.86	-1.04	0.889844	0.932245	AT1G14549	hypothetical protein
13395693	3.81	3.87	-1.04	0.674594	0.784469	CAD3	cinnamyl alcohol dehydrogenase 3
13381924	3.81	3.89	-1.06	0.700185	0.802816	AT1G61440	putative S-locus protein kinase
13497603	3.81	3.95	-1.11	0.709585	0.809039	AT5G04780	pentatricopeptide repeat-containing protein
13428840	3.81	4.03	-1.17	0.611157	0.740617	FAD5	palmitoyl-monogalactosyldiacylglycerol delta-7 desaturase
13437332	3.81	4.11	-1.23	0.040548	0.365846	AT3G49130	SWAP (Suppressor-of-White-APricot)/surp RNA-binding domain-containing protein
13517134	3.81	4.13	-1.25	0.396428	0.604018	AT5G59670	Receptor-like protein kinase
13336080	3.81	4.15	-1.27	0.107321	0.4394	AT1G05400	hypothetical protein
13520271	3.81	4.19	-1.31	0.218432	0.52078	AT5G66740	hypothetical protein
13536900	3.81	4.2	-1.31	0.25466	0.539942	AT5G48310	hypothetical protein
13512050	3.81	4.32	-1.43	0.015756	0.315212	AT5G48130	Phototropic-responsive NPH3 family protein
13484288	3.81	4.41	-1.51	0.083159	0.417856	SBP2	selenium-binding protein 2
13443754	3.81	4.56	-1.67	0.081482	0.416711	TRXF1	thioredoxin F1
13494790	3.81	4.64	-1.79	0.065661	0.402488	AT4G37470	hydrolase, alpha/beta fold family protein
13343771	3.81	4.65	-1.8	0.058761	0.394229	AT1G23200	pectinesterase 6
13359953	3.81	4.72	-1.87	0.075597	0.410503	AT1G76800	vacuolar iron transporter-like protein
13488968	3.81	4.85	-2.06	0.009834	0.296261	REN1	Rho GTPase activation protein (RhoGAP) with PH domain
13370155	3.81	5.05	-2.35	0.032083	0.352673	AT1G19715; AT1G19710	mannose-binding lectin-like protein; glycosyl transferase family protein
13420154	3.81	5.14	-2.51	0.09882	0.433682	AT2G41970	putative protein kinase
13532329	3.81	5.14	-2.52	0.463843	0.643437	AT5G35631	hypothetical protein
13459381	3.81	7.41	-12.08	0.005523	0.277927	AT3G53235; RLP45	hypothetical protein; receptor like protein 45
13500269	3.8	2.52	2.43	0.045018	0.374597	AT5G11290	hypothetical protein
13541750	3.8	2.79	2.01	0.115372	0.446294	AT5G60670	60S ribosomal protein L12-3
13451698	3.8	2.99	1.75	0.219611	0.521561	TGD2	trigalactosyldiacylglycerol2
13390611	3.8	3.12	1.6	0.209237	0.514639	EMB975; AT2G01870	pentatricopeptide repeat-containing protein; hypothetical protein
13482213	3.8	3.13	1.59	0.317026	0.568657		
13373006	3.8	3.14	1.57	0.028624	0.346973	AT1G27670	hypothetical protein
13494634	3.8	3.17	1.55	0.468188	0.645611	AT4G37110	Zinc-finger domain of monoamine-oxidase A repressor R1
13401574	3.8	3.27	1.44	0.070832	0.40759	AT2G36430	hypothetical protein
13541434	3.8	3.34	1.37	0.014334	0.313095	AT5G59613; AT3G46430	hypothetical protein
13488256	3.8	3.51	1.22	0.550809	0.700249	ESP	separase
13406111	3.8	3.6	1.15	0.535554	0.689448	DUF6	hypothetical protein
13496648	3.8	3.6	1.15	0.517749	0.677292	AT5G02630	Lung seven transmembrane receptor family protein

13424812	3.8	3.61	1.14	0.238104	0.532053	AT3G05750	hypothetical protein
13420587	3.8	3.62	1.13	0.581324	0.721023	PAR1	phy rapidly regulated 1
13511428	3.8	3.66	1.1	0.621492	0.747876	AT5G46850	phosphatidylinositol glycan, class X
13407110	3.8	3.68	1.08	0.711823	0.81034	AT2G02150	tetratricopeptide repeat-containing protein
13440136	3.8	3.71	1.06	0.700473	0.802994	AT3G56270	hypothetical protein
13352293	3.8	3.82	-1.01	0.04357	0.372891	NP2	NPK1-related protein kinase 2
13506696	3.8	3.82	-1.02	0.851284	0.906161	AT5G27830	hypothetical protein
13519297	3.8	3.83	-1.02	0.95185	0.971357	XND1	xylem NAC domain 1
13342746	3.8	3.94	-1.1	0.717651	0.814396	AT1G20816	hypothetical protein
13435611	3.8	3.95	-1.11	0.235887	0.530405		
13340826	3.8	4	-1.15	0.359459	0.586236	AT1G16445	S-adenosyl-L-methionine-dependent methyltransferase domain-containing protein
13519285	3.8	4.03	-1.17	0.574058	0.715738	XRCC2	DNA repair protein XRCC2-like protein
13348348	3.8	4.04	-1.18	0.862443	0.914329	AT1G36922	hypothetical protein
13358731	3.8	4.13	-1.26	0.399125	0.605136	AT1G73570	HCP-like protein
13348833	3.8	4.18	-1.3	0.494826	0.661566	AT1G44820	aminoacylase
13544418	3.8	4.23	-1.35	0.21349	0.518061	AT5G66660	hypothetical protein
13404808	3.8	4.27	-1.39	0.048147	0.37767	AT2G44230	hypothetical protein
13381825	3.8	4.33	-1.45	0.010598	0.296805	AT1G61255	hypothetical protein
13517420	3.8	4.6	-1.73	0.019386	0.321499	AT5G60350	hypothetical protein
13508186	3.8	5	-2.3	0.067975	0.406175	AT5G38790	hypothetical protein
13482448	3.8	5.09	-2.44	0.316138	0.568464	AT4G09170	hypothetical protein
13334849	3.8	5.66	-3.64	0.111634	0.443047	GPAT2	glycerol-3-phosphate acyltransferase
13437718	3.79	1.63	4.45	0.03657	0.359494	HR3	RPW8-like protein 3
13336198	3.79	2.89	1.87	0.134513	0.463251	AT1G05730	hypothetical protein
13368053	3.79	2.97	1.76	0.331019	0.576012	AT1G14770	RING/FYVE/PHD zinc finger protein
13508168	3.79	3.08	1.64	0.134058	0.463251	AT5G38750	asparaginyl-tRNA synthetase-like protein
13540072	3.79	3.14	1.57	0.073005	0.408824	AT5G56450	solute carrier family 25 protein
13354277	3.79	3.32	1.39	0.41141	0.612607	AT1G61990	Mitochondrial transcription termination factor family protein
13409908	3.79	3.36	1.35	0.281467	0.554685	AT2G17970	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase-like protein
13458170	3.79	3.41	1.31	0.678856	0.78746	AT3G50190	hypothetical protein
13498138	3.79	3.45	1.26	0.330136	0.575506	ROPGEF5	ROP guanine nucleotide exchange factor 5
13523935	3.79	3.45	1.26	0.325599	0.57345	RLF	reduced lateral root formation protein
13524279	3.79	3.5	1.22	0.5696	0.712209	AT5G10320	hypothetical protein
13378624	3.79	3.55	1.18	0.780759	0.857335	RABG3d	RAB GTPase homolog G3D
13504006	3.79	3.55	1.18	0.595998	0.730381	EFR	LRR receptor-like serine/threonine-protein kinase EFR
13489906	3.79	3.57	1.17	0.466183	0.644868	CPSUFE	SufE-like protein
13334609	3.79	3.58	1.15	0.324311	0.573008	AT1G01970	pentatricopeptide repeat-containing protein
13367689	3.79	3.7	1.07	0.630604	0.754197	AT1G14030	[ribulose-bisphosphate carboxylase]-lysine N-methyltransferase
13543938	3.79	3.74	1.04	0.928311	0.956586	AT5G65820	pentatricopeptide repeat-containing protein
13456531	3.79	3.81	-1.01	0.817613	0.883447	AT3G45840	Cysteine/Histidine-rich C1 domain family protein
13510545	3.79	3.85	-1.04	0.748314	0.834893	AT5G44600	S-adenosyl-L-methionine-dependent methyltransferase domain-containing protein
13367241	3.79	3.86	-1.05	0.861452	0.91382	ERF1-2	peptide chain release factor eRF subunit 1
13392941	3.79	3.91	-1.09	0.685437	0.791814	AT2G14660	hypothetical protein

13450754	3.79	3.92	-1.09	0.636161	0.758115	EMB1270	pentatricopeptide repeat-containing protein
13441813	3.79	3.93	-1.1	0.811236	0.879122	EXPB5	expansin B5
13354658	3.79	4.03	-1.18	0.484164	0.654355	AT1G63230	pentatricopeptide repeat-containing protein
13456089	3.79	4.04	-1.18	0.50688	0.670158	hda10	putative histone deacetylase 10
13405790	3.79	4.08	-1.22	0.141251	0.467756	AT2G46420	hypothetical protein
13528541	3.79	4.1	-1.23	0.315355	0.568203	AT5G20140	SOUL heme-binding protein
13354273	3.79	4.14	-1.27	0.557145	0.704018	AT1G61980	Mitochondrial transcription termination factor family protein
13457551	3.79	4.24	-1.37	0.159647	0.481906	AT3G48740	Nodulin MtN3-like protein
13462970	3.79	4.25	-1.37	0.144345	0.46949	DL1B	dynamin-related protein 1B
13396399	3.79	4.36	-1.48	0.230362	0.527515	YCF37	synechocystis YCF37-like protein
13411180	3.79	4.39	-1.51	0.201124	0.510163	MCM10	minichromosome maintenance protein 10
13401244	3.79	4.46	-1.58	0.046178	0.377124	AT2G35760	hypothetical protein
13472239	3.79	4.47	-1.6	0.005748	0.279573	AT4G23000	hydrolase/ protein serine/threonine phosphatase
13354594	3.79	4.54	-1.68	0.254452	0.539781	AT1G63105	hypothetical protein
13448380	3.79	4.94	-2.22	0.314183	0.568085	AT3G12430	DEDDy 3'-5' exonuclease domain-containing protein
13396780	3.79	5.06	-2.42	0.056937	0.391207	AT2G24810	pathogenesis-related thaumatin-like protein
13402391	3.79	5.1	-2.48	0.201729	0.510189	AT2G38510	MATE efflux family protein
13354242	3.79	5.26	-2.77	0.601289	0.733158		
13401415	3.79	5.26	-2.77	0.601289	0.733158		
13486448	3.79	5.26	-2.77	0.601289	0.733158		
13370644	3.79	5.48	-3.23	0.018445	0.321469	PHT1;8	putative inorganic phosphate transporter 1-8
13495533	3.79	6.09	-4.91	0.022011	0.326278	FBA2	fructose-bisphosphate aldolase, class I
13389066	3.78	3.03	1.68	0.115985	0.446616	AT1G78730	FBD, F-box, Skp2-like and leucine rich repeat-containing protein
13474618	3.78	3.08	1.63	0.459163	0.640422		
13424429	3.78	3.15	1.55	0.001263	0.242634	AT3G05080; LRS1	hypothetical protein; transducin/WD-40 repeat-containing protein
13387351	3.78	3.29	1.4	0.418824	0.616615	AT1G74600	pentatricopeptide repeat-containing protein
13462018	3.78	3.3	1.39	0.198514	0.508119	AT3G59370	Vacuolar calcium-binding protein-like protein
13396687	3.78	3.47	1.24	0.165652	0.486123	HA5	H(+)-ATPase 5
13506815	3.78	3.47	1.24	0.144843	0.470007	AT5G28150	hypothetical protein
13483213	3.78	3.48	1.23	0.082144	0.417191	RALFL28	protein ralf-like 28
13349533	3.78	3.54	1.18	0.010286	0.296261		
13404605	3.78	3.57	1.15	0.292667	0.559559	AT2G43690	concanavalin A-like lectin protein kinase-like protein
13427633	3.78	3.66	1.08	0.21686	0.520001	AT3G13430	RING/U-box domain-containing protein
13490884	3.78	3.67	1.08	0.466404	0.645004	AT4G28590	hypothetical protein
13498901	3.78	3.7	1.05	0.658317	0.773617	NAC080	NAC domain containing protein 80
13470175	3.78	3.75	1.02	0.920437	0.95194	PGP9	P-glycoprotein 9
13537781	3.78	3.75	1.02	0.936701	0.961654	AT5G50330	protein kinase-like protein
13446768	3.78	3.77	1.01	0.93904	0.963392	AT3G09190	putative lectin
13522723	3.78	3.77	1.01	0.974478	0.985024	AT5G06550	hypothetical protein
13453079	3.78	3.79	-1.01	0.874046	0.922178	AT3G24060	self-incompatibility S1 family protein
13362855	3.78	3.82	-1.03	0.841926	0.900459	AT1G03650	Acyl-CoA N-acyltransferases -like protein
13439434	3.78	3.83	-1.03	0.873182	0.921544	CDT1B	chromatin licensing and DNA replication factor 1

13522419	3.78	3.82	-1.03	0.801127	0.871869	EGY2	ethylene-dependent gravitropism-deficient and yellow-green-like 2 protein
13385905	3.78	3.84	-1.04	0.560776	0.70643	AT1G70990	proline-rich family protein
13545679	3.78	3.88	-1.07	0.556933	0.703842	AT5G43480; RPP8	hypothetical protein; disease resistance protein RPP8
13337751	3.78	3.9	-1.09	0.427946	0.622032	AT1G08940	Phosphoglycerate mutase-like protein
13375237	3.78	3.93	-1.11	0.649085	0.76655	AT1G33607	putative defensin-like protein 26
13454401	3.78	3.92	-1.11	0.45108	0.635828	SDH2-1; AT3G27360; AT1G09200; AT5G65360; AT5G10400; AT5G10390	succinate dehydrogenase [ubiquinone] iron-sulfur subunit 1; histone H3
13426377	3.78	3.96	-1.13	0.598952	0.731685	AT3G10310	myosin and kinesin motor and CH domain-containing protein
13499067	3.78	4.14	-1.28	0.656673	0.772393	RPA70B	RPA70-kDa subunit B
13484363	3.78	4.15	-1.29	0.174741	0.491936	PAKRP1	phragmoplast-associated kinesin-related protein 1
13408724	3.78	4.17	-1.31	0.06668	0.40382	AT2G13690	putative PRLI-interacting factor
13423502	3.78	4.19	-1.33	0.252473	0.538793	AT3G02840	armadillo/beta-catenin-like repeat-containing protein
13435023	3.78	4.24	-1.38	0.129145	0.459353	AT3G42990	hypothetical protein
13543748	3.78	4.24	-1.38	0.149878	0.472687	HTR11; AT3G27360; AT5G10390; AT5G10400; AT5G65360; AT1G09200	histone H3
13470679	3.78	4.29	-1.43	0.260375	0.542969	AT4G19100	hypothetical protein
13449707	3.78	4.38	-1.52	0.065435	0.402125	AT3G15250	hypothetical protein
13454445	3.78	4.52	-1.67	0.198522	0.508119	AT3G27490	cysteine/histidine-rich C1 domain-containing protein
13481347	3.78	4.55	-1.71	0.026076	0.337071	CYCD6;1	cyclin D6-1
13383981	3.78	4.7	-1.9	0.272641	0.549454	AT1G66475	hypothetical protein
13374505	3.78	4.95	-2.24	0.381339	0.596438	AT1G31450	aspartyl protease-like protein
13508652	3.78	5.05	-2.41	0.105014	0.43719	AT5G40320	cysteine/histidine-rich C1 domain-containing protein
13402170	3.78	5.23	-2.73	0.027597	0.343339	AT2G38010	neutral ceramidase
13509617	3.78	5.89	-4.32	0.19547	0.506402	AT5G42405	hypothetical protein
13490301	3.77	2.6	2.26	0.034598	0.355201	AT4G27300	S-locus lectin protein kinase-like protein
13545527	3.77	3	1.71	0.492341	0.659808		
13545529	3.77	3	1.71	0.492341	0.659808		
13434299	3.77	3.21	1.48	0.22381	0.524399	AT3G28450	leucine-rich repeat protein kinase-like protein
13534939	3.77	3.26	1.43	0.201939	0.510189	TOPP6	serine/threonine-protein phosphatase PP1 isozyme 7
13396088	3.77	3.28	1.41	0.081779	0.416828	EMB2001	GTP-binding protein
13398797	3.77	3.53	1.18	0.648966	0.766531	PS2	Presenilin-2
13446781	3.77	3.61	1.12	0.773031	0.851991	PTAC13	plastid transcriptionally active 13

13508953	3.77	3.73	1.03	0.832538	0.894032	AT5G40880	zinc finger CCCH domain-containing protein 59
13442720	3.77	3.79	-1.01	0.933211	0.95953	XT1	xyloglucan 6-xylosyltransferase
13458939	3.77	3.79	-1.02	0.870564	0.919611	AT3G52070	hypothetical protein
13507667	3.77	3.86	-1.06	0.601604	0.733259	AT5G37140	tRNA-splicing endonuclease positive effector-related protein
13459362	3.77	3.87	-1.07	0.842763	0.90095	UGT73C7	UDP-glucosyl transferase 73C7
13498129	3.77	3.87	-1.07	0.782701	0.858679	AT5G05890	UDP-glucoronosyl/UDP-glucosyl transferase family protein
13399962	3.77	3.88	-1.08	0.841107	0.899887	VAMP725	vesicle-associated membrane protein 725
13511006	3.77	3.93	-1.12	0.507237	0.670475	AT5G45730	cysteine/histidine-rich C1 domain-containing protein
13459360	3.77	3.96	-1.14	0.663295	0.776448	UGT73D1	UDP-glucosyl transferase 73D1
13508985	3.77	3.98	-1.16	0.438009	0.628329	AT5G40970	hypothetical protein
13477783	3.77	4.01	-1.19	0.402716	0.607271	AT4G35030	protein kinase-like protein
13460227	3.77	4.06	-1.22	0.043247	0.37143	SMZ	AP2-like ethylene-responsive transcription factor SMZ
13494674	3.77	4.06	-1.22	0.099223	0.433828	AT4G37230	photosystem II manganese-stabilising protein (PsbO)
13534347	3.77	4.05	-1.22	0.154969	0.477973	AT5G41850; AT5G41860	predicted esterase-like protein; hypothetical protein
13378391	3.77	4.07	-1.23	0.469527	0.646573	AT1G51870	protein kinase-like protein
13377566	3.77	4.24	-1.38	0.119089	0.449468	PUB26	U-box domain-containing protein 26
13422716	3.77	4.33	-1.48	0.167483	0.48688	WRKY58	WRKY DNA-binding protein 58
13505154	3.77	4.45	-1.6	0.023539	0.330743	AT5G23950	calcium-dependent lipid-binding domain-containing protein
13354676	3.77	4.52	-1.68	0.562615	0.707645	AT1G63380	Rossmann-fold NAD(P)-binding domain-containing protein
13372741	3.77	4.58	-1.76	0.586329	0.72477	AT1G26790	Dof-type zinc finger domain-containing protein
13460831	3.77	4.67	-1.87	0.156333	0.479039	AT3G56620	nodulin MtN21 /EamA-like transporter protein
13464452	3.77	4.69	-1.9	0.56681	0.710763	AT4G01580	AP2/B3 domain-containing protein
13379532	3.77	4.91	-2.2	0.318094	0.569548	AT1G54500	rubredoxin-like protein
13473059	3.77	5.18	-2.66	0.202993	0.510604	APPB1	plant invertase/pectin methylesterase inhibitor domain-containing protein
13369553	3.77	5.26	-2.81	0.071105	0.408032	LAC1	laccase 1
13411166	3.77	5.29	-2.86	0.390071	0.599985	AT2G20921	hypothetical protein
13536857	3.77	5.37	-3.02	0.015286	0.313468	SLY2	F-box protein SNE
13363778	3.77	5.39	-3.07	0.458005	0.639717		
13471554	3.77	5.48	-3.28	0.236205	0.530423	AT4G21213	hypothetical protein
13389840	3.77	5.74	-3.91	0.02627	0.337733	ROPGEF12	RHO guanyl-nucleotide exchange factor 12
13420430	3.77	6.11	-5.05	0.016311	0.315398	COR15A	cold-regulated protein 15a
13524274	3.77	6.28	-5.72	0.124429	0.453788	AT5G10310	epidermal patterning factor-like protein 1
13339088	3.77	6.87	-8.55	0.004166	0.262292	LRX1	leucine-rich repeat extensin-like protein 1
13502069	3.77	7.33	-11.8	0.004924	0.268309	KIN2	stress-induced protein KIN2
13501341	3.76	2.31	2.72	0.029258	0.348027	ROXY2	glutaredoxin-C8
13355070	3.76	2.98	1.72	0.197843	0.507784	AT1G64405	hypothetical protein
13545447	3.76	3.02	1.67	0.532514	0.687596		
13545453	3.76	3.02	1.67	0.532514	0.687596		

13545459	3.76	3.02	1.67	0.532514	0.687596		
13545465	3.76	3.02	1.67	0.532514	0.687596		
13545471	3.76	3.02	1.67	0.532514	0.687596		
13545481	3.76	3.02	1.67	0.532514	0.687596		
13545549	3.76	3.02	1.67	0.532514	0.687596		
13545553	3.76	3.02	1.67	0.532514	0.687596		
13545561	3.76	3.02	1.67	0.532514	0.687596		
13421994	3.76	3.05	1.63	0.204281	0.511236	WRKY46	putative WRKY transcription factor 46
13375603	3.76	3.37	1.32	0.160186	0.482731	AT1G35210	hypothetical protein
13432018	3.76	3.37	1.31	0.399183	0.605136	AT3G22961	hypothetical protein
13410302	3.76	3.39	1.29	0.238586	0.532292	AT2G19240	RabGAP/TBC domain-containing protein
13435785	3.76	3.47	1.22	0.001358	0.242634	AT3G45400	exostosin family protein
13458681	3.76	3.47	1.22	0.785007	0.860446	AT3G51400; AT3G51390	hypothetical protein; putative S-acyltransferase
13487133	3.76	3.47	1.22	0.6538	0.770304	EMB1895	integrator complex subunit 7
13489218	3.76	3.52	1.18	0.108562	0.440622	AT4G24910	hypothetical protein
13473453	3.76	3.54	1.17	0.409363	0.610961	AT4G25600	Oxoglutarate/iron-dependent oxygenase
13432789	3.76	3.55	1.16	0.252406	0.538762	RSY3; AT3G24570	protein raspberry 3; Peroxisomal membrane 22 kDa (Mpv17/PMP22) family protein
13429623	3.76	3.59	1.12	0.675594	0.785012	AGD15	putative ADP-ribosylation factor GTPase-activating protein AGD15
13400014	3.76	3.6	1.11	0.737708	0.828049	GT13	galactosyltransferase 13
13517918	3.76	3.62	1.11	0.555486	0.703082	AT5G61540	Isoaspartyl peptidase/L-asparaginase 3 subunit beta
13354623	3.76	3.72	1.02	0.902231	0.940121	AT1G63150	pentatricopeptide repeat-containing protein
13448593	3.76	3.97	-1.16	0.521562	0.680008	AT3G12835	hypothetical protein
13427513	3.76	3.99	-1.17	0.056505	0.389743	AT3G13210	putative crooked neck protein / cell cycle protein
13460056	3.76	4.02	-1.2	0.246803	0.535608	PHT1;7	putative inorganic phosphate transporter 1-7
13352347	3.76	4.03	-1.21	0.066333	0.403288	AT1G55050	hypothetical protein
13417026	3.76	4.09	-1.26	0.611875	0.741226	AT2G34990	RING-H2 finger protein ATL38
13364663	3.76	4.19	-1.35	0.258255	0.541251	HAI2	protein phosphatase 2C 3
13422337	3.76	4.26	-1.42	0.224789	0.524988	AT2G47120	Rossmann-fold NAD(P)-binding domain-containing protein
13403405	3.76	4.29	-1.45	0.118674	0.448983	WRKY55	WRKY transcription factor 55
13370773	3.76	4.36	-1.52	0.149362	0.472258	AT1G21150	Mitochondrial transcription termination factor family protein
13345949	3.76	4.55	-1.73	0.210837	0.5161	AT1G29670; AT1G29680	GDSL esterase/lipase; hypothetical protein
13449970	3.76	4.56	-1.73	0.115937	0.446616	AT3G15900	hypothetical protein
13440984	3.76	4.64	-1.84	0.001476	0.249401	TTL4	tetratricopetide-repeat thioredoxin-like 4 protein
13435241	3.76	4.69	-1.9	0.367229	0.590549	GH9A4	endoglucanase 16
13379737	3.76	4.69	-1.91	0.02508	0.334806	AT1G55210	Disease resistance-responsive (dirigent-like protein) family protein
13342333	3.76	5.13	-2.6	0.2132	0.518061	AT1G19620	hypothetical protein
13507252	3.75	2.71	2.05	0.000158	0.167423	AT5G35375	hypothetical protein
13449371	3.75	2.84	1.88	0.023062	0.330115	GLIP4	GDSL esterase/lipase 4
13455049	3.75	2.88	1.83	0.069152	0.406403	AT3G29110	terpene cyclase, C1 domain-containing protein

13522307	3.75	2.97	1.72	0.045997	0.376714	AT5G05420	peptidylprolyl isomerase
13352803	3.75	3.16	1.5	0.282168	0.555302	AT1G56150	SAUR-like auxin-responsive protein
13446425	3.75	3.37	1.3	0.496265	0.66265	AT3G08505	E3 ubiquitin-protein ligase makorin
13337298	3.75	3.4	1.28	0.3473	0.58045	NVL	no vein-like protein
13428167	3.75	3.42	1.26	0.337737	0.577243	AT3G14580	pentatricopeptide repeat-containing protein
13484674	3.75	3.42	1.25	0.423658	0.619218	PPD1	protein TIFY 4A
13458714	3.75	3.56	1.14	0.680657	0.788444	AT3G51560	TIR-NBS-LRR class disease resistance protein
13380633	3.75	3.58	1.13	0.518716	0.677868	AT1G57860; AT1G57660	60S ribosomal protein L21-2
13460442	3.75	3.67	1.05	0.577766	0.7179	AT3G55550	concanavalin A-like lectin kinase-like protein
13351773	3.75	3.86	-1.08	0.836113	0.896417	RTFL9	ROTUNDIFOLIA like 9 protein
13355224	3.75	3.88	-1.09	0.737442	0.827997	BLT	branchless trichome protein
13440791	3.75	3.97	-1.16	0.734396	0.826059	AT3G57970	Emsy N Terminus and plant Tudor-like domain-containing protein
13417394	3.75	4.02	-1.2	0.134209	0.463251	FLA16	fasciclin-like arabinogalactan protein 16
13348829	3.75	4.13	-1.3	0.592041	0.728021	AT1G44810	DNA-binding storekeeper protein-related transcriptional regulator
13400297	3.75	4.17	-1.34	0.155268	0.478104	AT2G33570	hypothetical protein
13465475	3.75	4.23	-1.39	0.081867	0.416828	AT4G03965	RING/U-box domain-containing protein
13482109	3.75	4.23	-1.4	0.61689	0.744723	AT4G07675	hypothetical protein
13519126	3.75	4.31	-1.47	0.098243	0.433275	AT5G64230	hypothetical protein
13543461	3.75	4.4	-1.56	0.161466	0.483432	AT5G64590	hypothetical protein
13354944	3.75	4.47	-1.65	0.016869	0.3173	AT1G64065	late embryogenesis abundant hydroxyproline-rich glycoprotein
13531850	3.75	4.5	-1.68	0.452059	0.636607	AT5G28642	hypothetical protein
13347236	3.75	4.59	-1.79	0.14858	0.471967	AT1G32910	HXXXD-type acyl-transferase-like protein
13414904	3.75	4.65	-1.87	0.062872	0.398732	OFP17	ovate family protein 17
13428711	3.75	4.69	-1.92	0.268666	0.547386	AT3G15534	hypothetical protein
13496069	3.75	5.27	-2.86	0.016318	0.315398	AT5G01225	hypothetical protein
13538454	3.74	2.05	3.22	0.002772	0.253459	AT5G51860	MADS-box protein
13360123	3.74	2.85	1.85	0.044033	0.373501		
13535814	3.74	2.88	1.82	0.190564	0.503959	AT5G45440	putative disease resistance protein
13475225	3.74	3.2	1.45	0.405813	0.609101	rps15ae	40S ribosomal protein S15a-5
13480799	3.74	3.21	1.44	0.301115	0.563858		
13537727	3.74	3.35	1.31	0.398857	0.605029	AT5G50120	transducin/WD40 domain-containing protein
13360087	3.74	3.37	1.3	0.240086	0.532904		
13389605	3.74	3.44	1.22	0.268665	0.547386	SMB	protein SOMBRERO
13484758	3.74	3.46	1.22	0.170052	0.48812	AT4G14820	pentatricopeptide repeat-containing protein
13370410	3.74	3.54	1.15	0.671512	0.782049	AT1G20370	pseudouridine synthase-like protein
13523231	3.74	3.57	1.12	0.440392	0.629862	AT5G07800	flavin-containing monooxygenase-like protein
13498986	3.74	3.61	1.1	0.698455	0.801507	AT5G07790	hypothetical protein
13453767	3.74	3.7	1.03	0.818437	0.88387	AT3G25870	hypothetical protein
13413773	3.74	3.71	1.02	0.943349	0.966096		
13440253	3.74	3.83	-1.06	0.496622	0.663006	CYP94D2	cytochrome P450, family 94, subfamily D, polypeptide 2
13446828	3.74	3.97	-1.17	0.075099	0.410503	AT3G09310; ORP3B	hypothetical protein; OSBP(oxysterol binding protein)-related protein 3B
13471126	3.74	4.02	-1.22	0.151869	0.47404	AT4G20310	Peptidase M50 family protein

13464566	3.74	4.22	-1.39	0.318229	0.569548	KCO5	putative calcium-activated outward-rectifying potassium channel 5
13440207	3.74	4.25	-1.42	0.171685	0.489372	AT3G56470	F-box protein
13458357	3.74	5.04	-2.46	0.193668	0.505856	AT3G50650	scarecrow-like protein 7
13437663	3.74	5.13	-2.62	0.061828	0.398248	AT3G50300	HXXXD-type acyl-transferase-like protein
13353370	3.74	5.15	-2.67	0.105504	0.437428	AT1G58807; AT1G59124; AT1G58848; AT1G59218	putative disease resistance protein RDL5/RF45; putative disease resistance protein RDL6/RF9
13491054	3.73	2.54	2.28	0.258734	0.541546	LCR25	defensin-like protein 159
13382468	3.73	2.76	1.95	0.10628	0.438293	LDL1	Lysine-specific histone demethylase 1-1
13510422	3.73	3.16	1.48	0.110561	0.441758	AT5G44330	tetratricopeptide repeat domain-containing protein
13378857	3.73	3.23	1.42	0.051763	0.382313	NAC019	NAC domain-containing protein 19
13461795	3.73	3.24	1.4	0.509279	0.671684	PAR2	phy rapidly regulated 2 protein
13509770	3.73	3.34	1.31	0.436128	0.627187	AT5G42710	hypothetical protein
13545501	3.73	3.43	1.23	0.721482	0.81738		
13365725	3.73	3.45	1.22	0.432373	0.624818	RAB11c	Ras-related protein RABA2a
13481835	3.73	3.46	1.2	0.308077	0.566074	AT4G05030	putative copper transport protein
13510528	3.73	3.49	1.19	0.375333	0.593207	AT5G44582	hypothetical protein
13346661	3.73	3.49	1.18	0.654042	0.77044	AGO3	protein ARGONAUTE 3
13424869	3.73	3.52	1.16	0.286703	0.557153	APC11; RCI2A	anaphase-promoting complex subunit 11; Hydrophobic protein RCI2A
13343995	3.73	3.54	1.14	0.782068	0.858179	AT1G23940	armadillo/beta-catenin-like repeat-containing protein
13517020	3.73	3.62	1.08	0.509703	0.671951	AT5G59400	hypothetical protein
13448747	3.73	3.63	1.07	0.530629	0.686629	AT3G13150	pentatricopeptide repeat-containing protein
13436348	3.73	3.65	1.06	0.766391	0.847256	PLC8	phosphoinositide phospholipase C8
13445349	3.73	3.67	1.04	0.721979	0.817572	AT3G06040	ribosomal protein L12/ ATP-dependent Clp protease adaptor protein
13353208	3.73	3.75	-1.01	0.894138	0.934927	EMB1674	kinase interacting family protein
13390948	3.73	3.82	-1.06	0.440448	0.629876	AT2G02720	putative pectate lyase 6
13470072	3.73	3.91	-1.13	0.69065	0.795649	AT4G17760	cell cycle checkpoint protein
13424797	3.73	3.96	-1.17	0.245593	0.535303	RECQI1	ATP-dependent DNA helicase Q-like 1
13422256	3.73	4.02	-1.22	0.310258	0.566973	AT2G46995	hypothetical protein
13502749	3.73	4.02	-1.22	0.616912	0.744723	AT5G17670	hydrolase-like protein
13534127	3.73	4.03	-1.23	0.553345	0.701763	AT5G41170	pentatricopeptide repeat-containing protein
13539773	3.73	4.04	-1.25	0.475389	0.649523	AT5G55520	hypothetical protein
13354674	3.73	4.06	-1.26	0.249312	0.5369	AT1G63330	pentatricopeptide repeat-containing protein
13541441	3.73	4.16	-1.35	0.553075	0.701678		
13360568	3.73	4.19	-1.38	0.545779	0.696397	AT1G78172	hypothetical protein
13476274	3.73	4.25	-1.43	0.054044	0.384754	CYP82C2	cytochrome P450, family 82, subfamily C, polypeptide 2
13437950	3.73	4.37	-1.55	0.062665	0.398459	AT3G51150	ATP binding microtubule motor family protein
13359915	3.73	5.88	-4.43	0.021185	0.324683	OPR1	12-oxophytodienoate reductase 1
13460968	3.72	2.68	2.05	0.003395	0.253459	BHLH039	transcription factor ORG3
13514735	3.72	2.84	1.83	0.010817	0.297771	AT5G53920	ribosomal protein L11 methyltransferase-like protein

13463410	3.72	2.9	1.76	0.016658	0.316275	AT3G62780	calcium-dependent lipid-binding domain-containing protein
13390527	3.72	3.11	1.52	0.263969	0.544951	MEE11	F-box protein SKIP28
13532839	3.72	3.14	1.5	0.208612	0.514214	CIP4	COP1-interacting protein 4
13368698	3.72	3.2	1.43	0.005021	0.268772	AT1G16260	wall-associated receptor kinase-like 8
13499882	3.72	3.25	1.38	0.14365	0.469269	AT5G10210	hypothetical protein
13373358	3.72	3.31	1.32	0.09078	0.427844	SRD2	snRNA activating complex family protein
13502593	3.72	3.36	1.29	0.462951	0.643066	SDG40	protein SET DOMAIN GROUP 40
13411788	3.72	3.45	1.21	0.465255	0.644145	HAT9	homeobox-leucine zipper protein HAT9
13432410	3.72	3.44	1.21	0.38591	0.598511	DSPTP1	dual specificity protein phosphatase 1
13541699	3.72	3.54	1.14	0.514134	0.674915	AT5G60520; AT5G60510	late embryogenesis abundant protein-like protein; dehydrodolichyl diphosphate synthase 8
13353482	3.72	3.57	1.11	0.771729	0.851344	CW9	disease resistance (CC-NBS-LRR class) family protein
13480375	3.72	3.61	1.08	0.702407	0.804009	AT4G01030; PYL7	pentatricopeptide repeat-containing protein; abscisic acid receptor PYL7
13534646	3.72	3.7	1.01	0.887748	0.931296	AT5G42765; AT5G42760	hypothetical protein; Leucine carboxyl methyltransferase
13425265	3.72	3.75	-1.02	0.895633	0.935737	AT3G06868; AT3G06870	hypothetical protein; proline-rich family protein
13462486	3.72	3.77	-1.03	0.478945	0.651548	AT3G60510	3-hydroxyisobutyryl-CoA hydrolase-like protein 1
13386845	3.72	3.77	-1.04	0.361953	0.587911	HDG11	homeobox-leucine zipper protein HDG11
13404520	3.72	3.83	-1.08	0.538535	0.691507	AT2G43445	F-box/kelch-repeat protein
13456239	3.72	3.91	-1.14	0.491324	0.659269	LAS1	lanosterol synthase 1
13442910	3.72	3.96	-1.18	0.478014	0.651036	AT-HSFA7B	heat stress transcription factor A-7b
13411465	3.72	4.11	-1.31	0.647868	0.76565	AT2G21750	hypothetical protein
13424194	3.72	4.15	-1.35	0.159947	0.482458	AT3G04550	hypothetical protein
13345667	3.72	4.21	-1.41	0.113081	0.444281		
13405739	3.72	4.27	-1.46	0.642117	0.761439	AT2G46300	late embryogenesis abundant hydroxyproline-rich glycoprotein
13338413	3.72	4.35	-1.55	0.287417	0.557153	AT1G10522	hypothetical protein
13505134	3.72	4.39	-1.58	0.088625	0.425112	AT5G23910	ATP binding microtubule motor family protein
13406729	3.72	4.42	-1.63	0.398569	0.605002	AT2G01275	RING/FYVE/PHD zinc finger-containing protein
13393306	3.72	4.61	-1.86	0.108952	0.440715	AT2G16020	hypothetical protein
13518204	3.72	4.85	-2.19	0.435222	0.626509	AT5G62065	putative non-specific lipid-transfer protein 14
13397614	3.72	4.96	-2.37	0.010027	0.296261	PDR4	ABC transporter G family member 32
13527288	3.72	5.13	-2.67	0.060311	0.395982	AT5G17165	hypothetical protein
13528122	3.72	5.28	-2.93	0.030991	0.351017	IPT5	adenylate isopentenyltransferase 5
13489637	3.72	5.35	-3.09	0.008563	0.293015	AT4G25790	allergen V5/Tpx-1-related family protein
13425334	3.72	5.82	-4.3	0.071324	0.408234	AT3G07070	protein kinase domain-containing protein
13366947	3.72	5.83	-4.32	0.069435	0.406403	AT1G12030	hypothetical protein
13416545	3.72	6.06	-5.06	0.001053	0.240872	AT2G33850	hypothetical protein
13346508	3.71	2.8	1.87	0.106423	0.438604	AT1G30845	cell growth defect factor -2
13418593	3.71	2.89	1.76	0.049721	0.379003	AT2G38570	hypothetical protein
13334190	3.71	2.93	1.71	0.225709	0.524988		
13348085	3.71	3.02	1.61	0.262403	0.543595	HOS10	high response to osmotic stress 10

13347433	3.71	3.18	1.45	0.122013	0.452662	AT1G33340	putative clathrin assembly protein
13336208	3.71	3.18	1.44	0.074686	0.410456	PDE247	protein pigment defective 247
13498931	3.71	3.2	1.42	0.214894	0.519459	AT5G07760	formin homology 2 domain-containing protein
13441366	3.71	3.38	1.26	0.406304	0.609532	LAP3; RBL13	strictosidine synthase family protein; RHOMBOID-like protein 13
13358329	3.71	3.39	1.24	0.135835	0.464977	EXO70D1	exocyst subunit exo70-D1
13469341	3.71	3.46	1.19	0.349951	0.581652	AT4G15953	maternally expressed family protein
13543274	3.71	3.56	1.11	0.439547	0.62944	AT5G64150; AT5G64160	RNA methyltransferase family protein; hypothetical protein
13397504	3.71	3.69	1.01	0.969949	0.982321	KCS11	3-ketoacyl-CoA synthase 11
13342577	3.71	3.74	-1.02	0.927332	0.956048	AT1G20310	hypothetical protein
13371412	3.71	3.75	-1.02	0.892287	0.933708	AT1G22900	disease resistance-responsive, dirigent domain-containing protein
13438146	3.71	3.74	-1.02	0.921892	0.952758	AT3G51570	TIR-NBS-LRR class disease resistance protein
13489848	3.71	3.77	-1.04	0.872577	0.921046	AT4G26370	antitermination NusB domain-containing protein
13465265	3.71	3.8	-1.07	0.559586	0.70573	hemf2	Coproporphyrinogen III oxidase
13404154	3.71	3.81	-1.08	0.586348	0.72477	AT2G42650	Ribosomal protein .1/L10e family
13523962	3.71	3.86	-1.11	0.698021	0.801152	AT5G09710	putative magnesium transporter MRS2-9
13341533	3.71	3.96	-1.2	0.187426	0.501922	PEPR2	PEP1 receptor 2
13353090	3.71	3.97	-1.2	0.44607	0.633545	AT1G57630	Toll-Interleukin-Resistance domain-containing protein
13424631	3.71	4.01	-1.24	0.493905	0.66086	AT3G05430	PWWP domain-containing protein
13372633	3.71	4.14	-1.35	0.476185	0.649834	AT1G26410	FAD-binding and BBE domain-containing protein
13361010	3.71	4.34	-1.55	0.408869	0.610843		
13368783	3.71	4.34	-1.55	0.408869	0.610843		
13416514	3.71	4.35	-1.56	0.637571	0.758808	SPL3	squamosa promoter-binding-like protein 3
13507583	3.71	4.57	-1.81	0.136875	0.465316	AT5G36900	hypothetical protein
13448215	3.71	4.79	-2.11	0.014756	0.313095	FLR1	polygalacturonase inhibitory protein-like protein
13464115	3.71	4.82	-2.15	0.005229	0.271751	AT4G00770; APRR8	hypothetical protein; putative two-component response regulator-like APRR8
13370626	3.71	4.98	-2.41	0.419648	0.617175	AT1G20795	F-box protein
13358339	3.71	4.99	-2.43	0.04051	0.365846	AT1G72520	lipoxygenase 4
13393403	3.71	5.25	-2.89	0.128778	0.458836	AT2G16630	pollen Ole e 1 allergen and extensin family protein
13357381	3.71	5.78	-4.18	0.021104	0.324489	RHS10	protein root hair specific 10
13395746	3.7	2.99	1.64	0.015975	0.315398	AT2G22070	pentatricopeptide repeat-containing protein
13530118	3.7	3.08	1.53	0.365337	0.589672	AT5G24060	pentatricopeptide repeat-containing protein-like protein
13480982	3.7	3.16	1.46	0.266138	0.546291	AT4G02530	chloroplast thylakoid lumen protein
13541570	3.7	3.19	1.42	0.012606	0.30202	AT5G60050	BTB/POZ domain-containing protein
13448565	3.7	3.33	1.29	0.631775	0.754746	MEF22	mitochondrial editing factor 22
13354387	3.7	3.34	1.28	0.062741	0.398516	AT1G62520	hypothetical protein
13476812	3.7	3.38	1.25	0.291579	0.559317	AT4G32800	ethylene-responsive transcription factor ERF043

13495099	3.7	3.38	1.25	0.591215	0.727487	FRS5; FRS9	protein FAR1-related sequence 5; FAR1-related sequence 9
13407178	3.7	3.4	1.23	0.447341	0.634243	AT2G02400	Rossmann-fold NAD(P)-binding domain-containing protein
13530332	3.7	3.44	1.19	0.142847	0.468772	AT5G24355	hypothetical protein
13544497	3.7	3.49	1.16	0.669853	0.780955	AT5G66900	CC-NBS-LRR class disease resistance protein
13422044	3.7	3.54	1.11	0.35284	0.583317	AIB	transcription factor ABA-INDUCIBLE bHLH-TYPE
13486782	3.7	3.55	1.11	0.293158	0.559559	AT4G19080	hypothetical protein
13478043	3.7	3.67	1.02	0.925439	0.955009	AT4G35590	RWP-RK domain-containing protein
13416349	3.7	3.7	-1.01	0.982529	0.989731	arpc2b	actin-related protein C2B
13487127	3.7	3.72	-1.01	0.979406	0.987734	QRT3	Polygalacturonase QRT3
13423354	3.7	3.83	-1.1	0.736431	0.827512	AT3G02490	pentatricopeptide repeat-containing protein
13366286	3.7	3.9	-1.15	0.167014	0.486855	PGP10	ABC transporter B family member 10
13408929	3.7	3.9	-1.15	0.276239	0.551185	AT2G14810	hypothetical protein
13433370	3.7	3.96	-1.2	0.325229	0.573176	AT3G26050	TPX2 (targeting protein for Xklp2) family protein
13469054	3.7	3.99	-1.22	0.405381	0.609069	HPL1	hydroperoxide lyase 1
13336299	3.7	4.05	-1.28	0.203143	0.510604	AT1G05835	PHD finger protein
13344165	3.7	4.16	-1.38	0.404295	0.608575	AT1G24405	hypothetical protein
13389163	3.7	4.17	-1.39	0.132339	0.46234	AT1G78915; AT1G78910	tetratricopeptide repeat-containing protein; RNA pseudourine synthase 3
13518206	3.7	4.18	-1.39	0.174465	0.491546	BAG2	BCL-2-associated athanogene 2
13495507	3.7	4.19	-1.41	0.470163	0.646758	BPC5	basic pentacysteine 5
13370503	3.7	4.21	-1.42	0.373812	0.592616	AT1G20570	Spc97 / Spc98 family of spindle pole body (SBP) component
13334650	3.7	4.28	-1.49	0.394776	0.60291	AT1G02074	hypothetical protein
13489314	3.7	4.5	-1.74	0.059108	0.394681	AT4G25160	U-box domain-containing protein 35
13467412	3.7	4.53	-1.78	0.069407	0.406403	AT4G11350	hypothetical protein
13458143	3.7	4.66	-1.94	0.000323	0.181632	AT3G50140	hypothetical protein
13464707	3.7	4.87	-2.25	0.627265	0.751461		
13465772	3.7	5.2	-2.84	0.036742	0.359764	MSRB5	peptide methionine sulfoxide reductase B5
13544411	3.7	5.56	-3.63	0.043037	0.370636	AT5G66607	hypothetical protein
13502601	3.7	5.82	-4.36	0.446266	0.633662	AT5G17262	hypothetical protein
13456806	3.69	2.72	1.96	0.181668	0.496969	AT3G46610	pentatricopeptide repeat-containing protein
13472151	3.69	2.77	1.88	0.192301	0.505383	AT4G22760	pentatricopeptide repeat-containing protein
13497743	3.69	3.05	1.56	0.252132	0.538677	AT5G05130	DNA/RNA helicase
13431986	3.69	3.06	1.55	0.184596	0.499178		
13337980	3.69	3.22	1.39	0.359858	0.586536	AT1G09480	Rossmann-fold NAD(P)-binding domain-containing protein
13526972	3.69	3.22	1.39	0.112486	0.443735	RIC4	ROP-interactive CRIB motif-containing protein 4
13504098	3.69	3.33	1.29	0.174886	0.491983	AT5G20810	SAUR-like auxin-responsive protein
13507937	3.69	3.35	1.27	0.325135	0.573167	AT5G38070	RING/FYVE/PHD zinc finger-containing protein
13409853	3.69	3.41	1.21	0.175466	0.492279	SDG37	histone-lysine N-methyltransferase ASHR1
13508301	3.69	3.44	1.19	0.548408	0.698421	AT5G39090	HXXXD-type acyl-transferase-like protein
13519279	3.69	3.46	1.18	0.012967	0.304634	AT5G64510	hypothetical protein
13486772	3.69	3.47	1.16	0.490167	0.65854	AT4G19060	putative disease resistance protein

13386165	3.69	3.56	1.09	0.633766	0.756333	AT1G71810	aarF domain-containing kinase
13506959	3.69	3.57	1.08	0.743827	0.831869	AT5G28810	hypothetical protein
13450947	3.69	3.63	1.04	0.538419	0.691451	UNG	uracil dna glycosylase
13382464	3.69	3.66	1.02	0.974694	0.985051	AT1G62820	putative calcium-binding protein CML14
13390261	3.69	3.66	1.02	0.975099	0.985267	AT1G80880	pentatricopeptide repeat-containing protein
13425133	3.69	3.66	1.02	0.907455	0.943638	AT3G66652	fip1 motif-containing protein
13378957	3.69	3.74	-1.04	0.582515	0.721875	TCP3	transcription factor TCP3
13518966	3.69	3.82	-1.09	0.781895	0.858022	AT5G63900	Acyl-CoA N-acyltransferase with RING/FYVE/PHD-type zinc finger domain
13371466	3.69	3.83	-1.1	0.619938	0.746909	AT1G23050	hydroxyproline-rich glycoprotein family protein
13536463	3.69	3.84	-1.11	0.74759	0.834506	LCR3	defensin-like protein 141
13339390	3.69	3.97	-1.21	0.086645	0.422315	AT1G12730	GPI transamidase subunit PIG-U
13377599	3.69	3.97	-1.21	0.525212	0.682587	AT1G49900	C2H2 type zinc finger transcription factor-like protein
13415663	3.69	3.97	-1.22	0.071964	0.408286	RAP; SOBIR1	protein RAP; putative leucine-rich repeat transmembrane protein kinase
13409945	3.69	4	-1.25	0.247264	0.535907	AT2G18140	peroxidase 14
13466201	3.69	4.09	-1.31	0.479365	0.651723	AT4G07965	hypothetical protein
13479021	3.69	4.09	-1.32	0.489047	0.65787	pde191	Mitochondrial transcription termination factor family protein
13474922	3.69	4.36	-1.59	0.159043	0.481556	AT4G28800	basic helix-loop-helix domain-containing protein
13447405	3.69	4.42	-1.66	0.173708	0.490884	HB2	non-symbiotic hemoglobin 2
13439894	3.69	4.43	-1.67	0.24626	0.535608	AT3G55650	pyruvate kinase
13494714	3.69	4.51	-1.76	0.071854	0.408234	CYP81H1	cytochrome P450, family 81, subfamily H, polypeptide 1
13380051	3.69	4.94	-2.38	0.171006	0.489004	AT1G55770	plant invertase/pectin methylesterase inhibitor domain-containing protein
13447400	3.69	4.96	-2.4	0.299692	0.56286	AT3G10439	hypothetical protein
13537830	3.69	5.08	-2.63	0.205194	0.512056	AT5G50361	hypothetical protein
13537995	3.69	5.28	-3.02	0.029941	0.349879	AT5G50570; AT5G50670	squamosa promoter-binding-like protein 13
13491177	3.69	5.89	-4.6	0.103086	0.435908	AT4G29690	alkaline-phosphatase-like protein
13339943	3.68	2.54	2.2	0.037186	0.360541	AT1G14205	Ribosomal L.8/L5e family protein
13378027	3.68	2.68	2	0.193301	0.505856	AT1G50790	Plant mobile domain protein family
13539576	3.68	2.72	1.93	0.197409	0.507696	MAPKKK15	mitogen-activated protein kinase kinase kinase 15
13445241	3.68	2.85	1.78	0.108221	0.440135	AT3G05935	hypothetical protein
13420516	3.68	3.08	1.51	0.073881	0.410257	AT2G42730	F-box protein
13403049	3.68	3.14	1.45	0.264667	0.545611	AT2G40020	Nucleolar histone methyltransferase-related protein
13494433	3.68	3.21	1.38	0.017344	0.319218	AT4G36670	putative polyol transporter 6
13355596	3.68	3.23	1.36	0.364333	0.589278	RK2	receptor kinase 2
13344659	3.68	3.32	1.28	0.166907	0.486855	AT1G26470	hypothetical protein
13445640	3.68	3.33	1.28	0.154369	0.47737	AT3G06600	hypothetical protein
13355015	3.68	3.36	1.25	0.468276	0.64567	AT1G64320	myosin heavy chain-related protein
13475260	3.68	3.38	1.23	0.080003	0.414259	AT4G29530	Pyridoxal phosphate phosphatase-related protein
13372988	3.68	3.39	1.22	0.384644	0.597873	AT1G27550	F-box family protein

13337958	3.68	3.46	1.16	0.279603	0.553836	AT1G09450	protein kinase family protein
13381873	3.68	3.52	1.11	0.448909	0.635124	SD1-29	protein S-domain-1 29
13439987	3.68	3.57	1.07	0.430446	0.623306	AT3G55820	Fasciclin-like arabinogalactan family protein
13337048	3.68	3.62	1.04	0.294164	0.560481	AT1G07700	thioredoxin-like 4
13354248	3.68	3.62	1.04	0.872559	0.921046	AT1G61930	hypothetical protein
13355403	3.68	3.64	1.03	0.945859	0.967522	AT1G65250	protein kinase-like protein
13486530	3.68	3.64	1.03	0.778237	0.855683	AT4G18450	ethylene-responsive transcription factor ERF091
13376540	3.68	3.7	-1.01	0.981354	0.989052	AT1G46696	hypothetical protein
13486654	3.68	3.79	-1.08	0.744128	0.831908	AT4G18840	pentatricopeptide repeat-containing protein
13501664	3.68	3.84	-1.12	0.628106	0.751984	AT5G14995	ECA1 gametogenesis related family protein
13531160	3.68	3.9	-1.16	0.51848	0.677651	WRKY50	putative WRKY transcription factor 50
13478114	3.68	3.91	-1.17	0.70625	0.806792	AT4G35720	hypothetical protein
13437854	3.68	4.03	-1.28	0.05234	0.382608	BCS1	cytochrome BC1 synthesis
13543495	3.68	4.1	-1.34	0.04014	0.365591	AT5G64700	nodulin MtN21 /EamA-like transporter family protein
13513798	3.68	4.17	-1.41	0.201226	0.510163	AT5G51930	Glucose-methanol-choline (GMC) oxidoreductase family protein
13399630	3.68	4.19	-1.43	0.347405	0.58045	OFP16	ovate family protein 16
13383415	3.68	4.27	-1.51	0.024139	0.332193	AT1G65150	TRAF-like family protein
13479896	3.68	4.3	-1.55	0.25949	0.542265	GAE3	UDP-D-glucuronate 4-epimerase 3
13364286	3.68	4.36	-1.6	0.154186	0.47717	AT1G06660	hypothetical protein
13350271	3.68	4.43	-1.68	0.367297	0.590549	AT1G50160	hypothetical protein
13406040	3.68	4.54	-1.81	0.02972	0.349008	AT2G47010	hypothetical protein
13515400	3.68	4.67	-1.99	0.036045	0.357981	QRT1	pectinesterase QRT1
13480792	3.68	4.76	-2.11	0.070136	0.406528	AT4G01985	hypothetical protein
13417555	3.68	5.43	-3.36	0.269315	0.547809	AT2G36261	hypothetical protein
13451284	3.68	5.65	-3.9	0.257159	0.541185	AT3G19320	leucine-rich repeat-containing protein
13489204	3.67	2.61	2.08	0.080091	0.414323	PAP24	purple acid phosphatase 24
13530974	3.67	2.68	1.99	0.4912	0.659185	EIF3B-2	translation initiation factor eIF-3 subunit 9
13363030	3.67	2.85	1.76	0.122629	0.45286	SUVR1	histone-lysine N-methyltransferase SUVR1
13521639	3.67	2.91	1.69	0.049265	0.378687	HSFA3	heat shock transcription factor A3
13458588	3.67	2.96	1.63	0.156173	0.478985	AT3G51220	hypothetical protein
13411994	3.67	3.07	1.51	0.065864	0.402786	RUS4; XLG1	hypothetical protein; extra-large G-protein 1
13470450	3.67	3.13	1.45	0.362352	0.588038	AT4G18590	Nucleic acid-binding, OB-fold-like protein
13458081	3.67	3.15	1.44	0.453701	0.637327	AT3G50030	ARM-repeat/tetratricopeptide repeat-like protein
13343199	3.67	3.23	1.36	0.63854	0.759336	AT1G21930	hypothetical protein
13382209	3.67	3.25	1.34	0.53125	0.687029	AT1G62200	putative peptide/nitrate transporter
13491940	3.67	3.33	1.26	0.044545	0.374597	AT4G31270	sequence-specific DNA binding transcription factor
13444070	3.67	3.38	1.23	0.607268	0.737507	AT3G03370	hypothetical protein
13540278	3.67	3.41	1.2	0.531196	0.686998	AT5G57000	hypothetical protein
13413922	3.67	3.42	1.19	0.615411	0.743713	AT2G27770	hypothetical protein
13393539	3.67	3.59	1.06	0.751417	0.837161	MEE15	tetracycline transporter-like protein 1
13472738	3.67	3.59	1.06	0.712007	0.810381	ALL1	aldolase like protein
13400935	3.67	3.6	1.05	0.456507	0.639006	SUVH5	histone-lysine N-methyltransferase, H3 lysine-9 specific SUVH5
13458175	3.67	3.6	1.05	0.863532	0.914837	AT3G50200	hypothetical protein
13339698	3.67	3.65	1.01	0.951566	0.971136	RGF2	hypothetical protein

13500023	3.67	3.67	-1.01	0.98188	0.989356	AT5G10680	calmodulin-binding protein-like protein
13522321	3.67	3.71	-1.03	0.96023	0.976487	AT5G05510	Mad3/BUB1 homology region 1
13490900	3.67	3.85	-1.13	0.436541	0.627554	ATM2	ABC transporter B family member 24
13370258	3.67	3.93	-1.19	0.513339	0.674455	AT1G19970	ER lumen protein retaining receptor-like protein
13521854	3.67	3.92	-1.19	0.759571	0.842475	AT5G04160	Nucleotide-sugar transporter family protein
13490533	3.67	3.99	-1.25	0.591649	0.727798	AT4G27660	hypothetical protein
13398705	3.67	4.01	-1.27	0.006251	0.280665	CDC6	cell division control 6
13390554	3.67	4.02	-1.28	0.472891	0.648218	CPSF73-II	cleavage and polyadenylation specificity factor subunit 3-II
13466279	3.67	4.05	-1.3	0.068373	0.406403	AT4G08290	nodulin MtN21 /EamA-like transporter family protein
13382269	3.67	4.06	-1.31	0.183982	0.498556	AT1G62301	hypothetical protein
13343667	3.67	4.1	-1.34	0.113667	0.444631	LPR1	cupredoxin-like protein
13489121	3.67	4.2	-1.44	0.269692	0.547986	AT4G24810	protein kinase family protein
13446990	3.67	4.22	-1.46	0.115811	0.446544	AT3G09680	40S ribosomal protein S23-1
13338279	3.67	4.25	-1.5	0.014162	0.312812	AT1G10220	hypothetical protein
13341713	3.67	4.34	-1.59	0.448802	0.635118	AT1G18420	aluminum activated malate transporter-like protein
13539878	3.67	4.41	-1.66	0.41666	0.6156	AT5G55870	hypothetical protein
13520099	3.67	4.6	-1.91	0.141156	0.467636	AT5G66230; AT5G66220	Chalcone-flavanone isomerase family protein; chalcone--flavonone isomerase 2
13401577	3.67	4.94	-2.41	0.456055	0.638899	AT2G36440	hypothetical protein
13466121	3.67	5.34	-3.2	0.339121	0.577864	AT4G06583	hypothetical protein
13435088	3.67	5.49	-3.53	0.334152	0.576298	AT3G43290	hypothetical protein
13543673	3.67	5.98	-4.96	0.282712	0.555512	AT5G65166	hypothetical protein
13343235	3.66	2.78	1.85	0.245237	0.535223	AT1G22040	F-box/kelch-repeat protein
13489702	3.66	3.06	1.51	0.346351	0.58045	AT4G26055	hypothetical protein
13545511	3.66	3.09	1.49	0.502863	0.667079		
13338949	3.66	3.13	1.44	0.211584	0.516897	AT1G11730	putative beta-1,3-galactosyltransferase 1
13487678	3.66	3.16	1.42	0.102927	0.435908	AT4G21705	pentatricopeptide repeat-containing protein
13513879	3.66	3.16	1.42	0.326964	0.574063	HDG7	homeobox-leucine zipper protein HDG7
13464617	3.66	3.16	1.41	0.115654	0.446371	AT4G01995	hypothetical protein
13354963	3.66	3.21	1.38	0.258225	0.541251	AT1G64100; NAC027	pentatricopeptide repeat-containing protein; NAC domain containing protein 27
13545475	3.66	3.29	1.29	0.654467	0.770709		
13437179	3.66	3.35	1.25	0.238727	0.532292	AT3G48810	pentatricopeptide repeat-containing protein
13385742	3.66	3.45	1.15	0.707228	0.807554	SRO3	SRO3-like protein
13461476	3.66	3.47	1.14	0.593877	0.729071	AT3G58200	TRAF-like family protein
13385607	3.66	3.48	1.13	0.866055	0.916492	AT1G70110	concanavalin A-like lectin protein kinase
13452821	3.66	3.54	1.09	0.776046	0.85426	bHLH34	transcription factor bHLH34
13453281	3.66	3.54	1.09	0.749182	0.835468	HCF101	ATP binding protein
13374634	3.66	3.56	1.08	0.575634	0.716765	AT1G31790; AT1G31780	pentatricopeptide repeat-containing protein; hypothetical protein
13379332	3.66	3.6	1.04	0.911427	0.946225	AT1G54050	HSP20-like chaperone
13517887	3.66	3.61	1.04	0.871523	0.9202	AT5G61400	pentatricopeptide repeat-containing protein
13419766	3.66	3.62	1.03	0.620323	0.747242	SSL2	strictosidine synthase-like 2
13536226	3.66	3.63	1.02	0.912587	0.94697	WRKY8	putative WRKY transcription factor 8
13538826	3.66	3.67	-1.01	0.974638	0.985051	ATIM	timeless family protein
13523957	3.66	3.71	-1.04	0.870384	0.919575	AT5G09700	Glycosyl hydrolase family protein

13386511	3.66	3.73	-1.05	0.708628	0.80841	iqd8	IQ-domain 8 protein
13352899	3.66	3.81	-1.11	0.609962	0.739849	AT1G56423	hypothetical protein
13366609	3.66	3.81	-1.11	0.574192	0.715843	AT1G11210	hypothetical protein
13498848	3.66	3.83	-1.12	0.574925	0.716279	AT5G07610	F-box protein
13357899	3.66	3.93	-1.21	0.126296	0.455497	AT1G71680	Lysine histidine transporter-like 5
13414672	3.66	3.95	-1.22	0.486392	0.655905	AT2G29910	F-box/LRR-repeat protein
13344263	3.66	4.05	-1.31	0.265276	0.545853	AT1G24600	hypothetical protein
13535583	3.66	4.07	-1.32	0.092067	0.429607	AT5G44860	hypothetical protein
13482785	3.66	4.12	-1.37	0.067241	0.405555	AT4G10370	cysteine/histidine-rich C1 domain-containing protein
13410346	3.66	4.22	-1.47	0.095358	0.431535	AT2G19400	cAMP-dependent, cGMP-dependent and protein kinase C-like protein
13487016	3.66	4.25	-1.51	0.065139	0.401596	AT4G19740	glycosyl hydrolase-18
13496684	3.66	4.3	-1.56	0.154741	0.477786	AT5G02730	allergen V5/Tpx-1-related family protein
13386188	3.66	4.35	-1.61	0.198556	0.508119	SERK1	somatic embryogenesis receptor kinase 1
13408080	3.66	4.37	-1.63	0.440007	0.629683	AT2G06040	hypothetical protein
13519365	3.66	4.41	-1.68	0.306731	0.565523	AT5G64710	Putative endonuclease or glycosyl hydrolase
13522975	3.66	4.65	-1.98	0.541058	0.692973	AT5G07060	zinc finger CCCH domain-containing protein 53
13506118	3.66	4.68	-2.03	0.068682	0.406403	AT5G26790	hypothetical protein
13397837	3.66	4.97	-2.48	0.20379	0.511039	AT2G27389; AT2G27390	hypothetical protein; proline-rich family protein
13401220	3.66	5.06	-2.65	0.387646	0.598939	ERF38	ethylene-responsive transcription factor ERF038
13394545	3.66	5.54	-3.7	0.288515	0.557599	PIRL6; AT2G19340	ras group-related protein LRR 6; Oligosaccharyltransferase complex/magnesium transporter family protein
13394182	3.65	2.77	1.84	0.052653	0.382994	AT2G18410	hypothetical protein
13354494	3.65	3.04	1.53	0.112676	0.443793	AT1G62863	hypothetical protein
13356649	3.65	3.16	1.4	0.303168	0.564046	AT1G68585; AT1G68590	hypothetical protein; 30S ribosomal protein 3-1
13354489	3.65	3.22	1.35	0.097057	0.433165	AT1G62840	hypothetical protein
13338926	3.65	3.26	1.31	0.064129	0.400648	AT1G11710	pentatricopeptide repeat-containing protein
13489496	3.65	3.28	1.29	0.139617	0.466238	MSH3	DNA mismatch repair protein Msh3
13345759	3.65	3.34	1.23	0.488225	0.65726	AT1G29200	O-fucosyltransferase-like protein
13501990	3.65	3.4	1.19	0.354157	0.584238	bZIP3	basic leucine-zipper 3
13334213	3.65	3.41	1.18	0.590901	0.727253	AT1G01180	S-adenosyl-L-methionine-dependent methyltransferase domain-containing protein
13337032	3.65	3.44	1.15	0.525871	0.683164	AT1G07660; AT1G07820; AT5G59970; AT5G59690; AT3G53730; AT3G46320; AT3G45930; HIS4	histone H4
13361130	3.65	3.51	1.11	0.347478	0.58045	GAPCP-1	glyceraldehyde 3-phosphate dehydrogenase
13418124	3.65	3.59	1.04	0.875173	0.922834	AT2G37310	pentatricopeptide repeat-containing protein
13417774	3.65	3.7	-1.03	0.73124	0.824173	AT2G36730	pentatricopeptide repeat-containing protein

13482061	3.65	3.75	-1.08	0.717665	0.814396	RAP2.9	ethylene-responsive transcription factor RAP2-9
13409840	3.65	3.78	-1.09	0.325468	0.573365	CPK16	calcium-dependent protein kinase 16
13481511	3.65	3.78	-1.1	0.730415	0.823569	AT4G03723	hypothetical protein
13418116	3.65	3.81	-1.12	0.398764	0.605002	AT2G37300	hypothetical protein
13448347	3.65	3.81	-1.12	0.707977	0.807958	AT3G12345	hypothetical protein
13525359	3.65	3.82	-1.13	0.658927	0.774142	AT5G12890	UDP-glycosyltransferase-like protein
13432555	3.65	3.88	-1.17	0.676143	0.785425	AT3G23870	hypothetical protein
13382422	3.65	3.95	-1.23	0.609764	0.739641	AT1G62760	plant invertase/pectin methylesterase inhibitor domain-containing protein
13391465	3.65	3.96	-1.23	0.37636	0.593266	bZIP48	basic leucine-zipper 48
13509830	3.65	4.1	-1.36	0.466351	0.645004	HB27	homeobox protein 27
13539375	3.65	4.12	-1.39	0.473303	0.648252	AT5G54450	hypothetical protein
13484963	3.65	4.23	-1.49	0.244984	0.535223	CYP702A2	cytochrome P450, family 702, subfamily A, polypeptide 2
13420771	3.65	4.29	-1.56	0.179106	0.494674	AT2G43390	hypothetical protein
13453262	3.65	4.33	-1.6	0.098644	0.433311	AT3G24360	3-hydroxyisobutyryl-CoA hydrolase-like protein 4
13478041	3.65	4.36	-1.65	0.078599	0.414078	AT4G35589	hypothetical protein
13388537	3.65	4.39	-1.67	0.004907	0.268309	CYCA1;2	cyclin-A1-2
13422816	3.65	5.18	-2.89	0.488159	0.657244	AT3G01345	hypothetical protein
13359922	3.65	5.36	-3.28	0.029243	0.348027	OPR2	12-oxophytodienoate reductase 2
13535213	3.64	2.96	1.6	0.177846	0.493818	AT5G44040; CESA4	hypothetical protein; cellulose synthase A catalytic subunit 4 [UDP-forming]
13487079	3.64	3.1	1.45	0.11533	0.446247	AT4G19890	Pentatricopeptide repeat domain-containing protein
13538226	3.64	3.13	1.43	0.015293	0.313468	AT5G51260	HAD superfamily, subfamily IIIB acid phosphatase
13474003	3.64	3.15	1.4	0.030255	0.350098	AT4G26800	pentatricopeptide repeat-containing protein
13468795	3.64	3.29	1.27	0.133382	0.462988	AT4G15075	FBD-like domain family protein
13480184	3.64	3.31	1.26	0.493394	0.660577	AT4G00651	hypothetical protein
13356950	3.64	3.36	1.22	0.736922	0.827705	AT1G69350	pentatricopeptide repeat-containing protein
13516215	3.64	3.36	1.21	0.414864	0.614208	IAA33	auxin-responsive protein IAA33
13448657	3.64	3.45	1.14	0.66473	0.777317	AT3G13020	hAT dimerization domain-containing protein
13500152	3.64	3.46	1.14	0.748133	0.834869	MYB64	myb domain protein 64
13499358	3.64	3.58	1.04	0.046184	0.377124	AT5G08600	U3 ribonucleoprotein (Utp) family protein
13352563	3.64	3.6	1.03	0.952464	0.971706	ZKT	ZKT protein containing PDZ, K-box and a TPR region
13364614	3.64	3.64	1.01	0.972943	0.984272	GONST2	golgi nucleotide sugar transporter 2
13535933	3.64	3.67	-1.02	0.447541	0.634338	AT5G45780	putative LRR receptor-like serine/threonine-protein kinase
13366390	3.64	3.68	-1.03	0.594879	0.729855	Z-ISO	15-cis-zeta-carotene isomerase
13498421	3.64	3.68	-1.03	0.913329	0.947446	AT5G06590	hypothetical protein
13426163	3.64	3.75	-1.08	0.574034	0.715738	AT3G09730	hypothetical protein
13530412	3.64	3.85	-1.15	0.246074	0.535608	BGLU31	beta glucosidase 31
13415260	3.64	3.86	-1.16	0.107998	0.439862	TCP10	transcription factor TCP10
13482215	3.64	3.94	-1.23	0.499776	0.664949	AT4G08351	hypothetical protein
13335876	3.64	3.99	-1.28	0.222635	0.523836	AT1G04700	PB1 domain-containing protein tyrosine kinase
13456124	3.64	4.02	-1.3	0.117909	0.447983	AT3G44718	Plant thionin family protein

13545601	3.64	4.01	-1.3	0.424956	0.620259	AT2G46980	hypothetical protein
13385081	3.64	4.04	-1.32	0.043796	0.373007	CLE12	protein CLAVATA3/ESR-related 12
13482302	3.64	4.09	-1.37	0.271278	0.548873	AT4G08670	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13414868	3.64	4.12	-1.39	0.344403	0.579454	AT2G30350	GIY-YIG catalytic domain-containing protein
13401823	3.64	4.17	-1.44	0.012873	0.304248	AT2G37100	protamine P1 family protein
13394210	3.64	4.21	-1.48	0.21443	0.518884	OFP7	ovate family protein 7
13348333	3.64	4.25	-1.52	0.48582	0.655417	AT1G36745	hypothetical protein
13382753	3.64	4.35	-1.64	0.366608	0.590194		
13534169	3.64	4.35	-1.64	0.366608	0.590194		
13403124	3.64	4.39	-1.68	0.062215	0.398248	AT2G40130	heat shock-related protein
13382144	3.64	4.49	-1.8	0.001997	0.253459		
13372066	3.64	4.53	-1.85	0.529524	0.686132	AT1G24290; G6PD3	AAA-type ATPase-like protein; glucose-6-phosphate dehydrogenase 3
13409836	3.64	4.99	-2.54	0.322499	0.57165	AT2G17880	DNAJ heat shock N-terminal domain-containing protein
13463011	3.64	5.09	-2.75	0.426395	0.620932	AT3G61829	hypothetical protein
13491952	3.64	5.12	-2.79	0.366575	0.590194	FLA5	FASCICLIN-like arabinogalactan protein 5 precursor
13510737	3.64	5.29	-3.14	0.369197	0.591437	AT5G45095	hypothetical protein
13475043	3.64	5.41	-3.41	0.012244	0.301412	AT4G29020	glycine-rich protein
13363707	3.64	5.61	-3.91	0.040574	0.365846	AT1G05280	hypothetical protein
13489179	3.63	2.62	2.02	0.0847	0.418724	AT4G24860	AAA-type ATPase family protein
13339222	3.63	2.8	1.77	0.08653	0.422231	AT1G12320	hypothetical protein
13399897	3.63	2.96	1.59	0.084231	0.418249	CSLB04	cellulose synthase-like protein B4
13515791	3.63	3.06	1.48	0.110244	0.441206	AT5G56520	hypothetical protein
13476799	3.63	3.13	1.41	0.27448	0.550583	AT4G32785	hypothetical protein
13469960	3.63	3.22	1.33	0.274675	0.550583	ERF-1	ethylene-responsive transcription factor 1A
13464185	3.63	3.23	1.32	0.009571	0.296261	AT4G00955	hypothetical protein
13380507	3.63	3.32	1.24	0.117998	0.448003	AT1G56720	protein kinase
13529701	3.63	3.32	1.24	0.06039	0.396137	AT5G22960	putative serine carboxypeptidase-like 54
13496596	3.63	3.36	1.21	0.371448	0.591914	AT5G02520	hypothetical protein
13354090	3.63	3.38	1.19	0.639172	0.759739	AT1G61450	hypothetical protein
13461122	3.63	3.41	1.16	0.225818	0.524988	AT3G57310	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13349980	3.63	3.5	1.1	0.160485	0.482937	AT1G49390	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase-like protein
13386667	3.63	3.51	1.09	0.592945	0.72867	AT1G73110	putative Rubisco activase 2
13508035	3.63	3.62	1.01	0.958078	0.975066	AT5G38344	Toll-Interleukin-Resistance domain-containing protein
13365140	3.63	3.69	-1.04	0.865859	0.91642	ADT6	arogenate dehydratase 6
13451777	3.63	3.69	-1.04	0.736035	0.827286	AT3G20450	B-cell receptor-associated protein 31-like protein
13486260	3.63	3.68	-1.04	0.731844	0.824691	MYB39	transcription factor MYB39
13413726	3.63	3.7	-1.05	0.639867	0.760123	NTL8	protein NTM1-like 8
13536461	3.63	3.71	-1.06	0.774054	0.852725	AT5G47170	hypothetical protein
13412622	3.63	3.77	-1.11	0.667332	0.77899	CIPK16	CBL-interacting serine/threonine-protein kinase 16
13406480	3.63	3.83	-1.15	0.430943	0.623682		

13393872	3.63	3.89	-1.19	0.218626	0.520838	AT2G17650	putative AMP-binding protein
13427117	3.63	3.95	-1.25	0.515526	0.675675	TBL1	hypothetical protein
13414754	3.63	4.08	-1.37	0.0563	0.389049	AT2G30170	putative protein phosphatase 2C 26
13342064	3.63	4.19	-1.47	0.072474	0.408352	AT1G19025	DNA repair metallo-beta-lactamase family protein
13475307	3.63	4.19	-1.47	0.141559	0.467992	AT4G29640	cytidine/deoxycytidylate deaminase-like protein
13544034	3.63	4.19	-1.48	0.256671	0.540874	AT5G66005	hypothetical protein
13416086	3.63	4.3	-1.59	0.358842	0.585867	AGO6	argonaute 6
13421225	3.63	4.34	-1.64	0.081834	0.416828	AT2G44390	cysteine/histidine-rich C1 domain-containing protein
13530672	3.63	4.37	-1.66	0.177051	0.4933	CYP714A2	cytochrome P450, family 714, subfamily A, polypeptide 2
13377606	3.63	4.37	-1.67	0.054609	0.386003	AT1G49938	hypothetical protein
13460497	3.63	4.38	-1.68	0.144256	0.469407	AT3G55810	pyruvate kinase
13428217	3.63	4.38	-1.69	0.091858	0.429212	CYP72A13	cytochrome P450, family 72, subfamily A, polypeptide 13
13382695	3.63	4.47	-1.79	0.028882	0.347517	AT1G63370	flavin-containing monooxygenase-like protein
13502091	3.63	4.55	-1.9	0.017741	0.319218	AT5G16010	3-oxo-5-alpha-steroid 4-dehydrogenase family protein
13490139	3.63	4.71	-2.11	0.325078	0.573167	AT4G26960; AT4G26965	hypothetical protein; NADH:ubiquinone oxidoreductase subunit-17.2
13420524	3.63	4.85	-2.33	0.086535	0.422231	AT2G42760	hypothetical protein
13349350	3.63	4.9	-2.42	0.012399	0.301412	AGL102	protein agamous-like 102
13397539	3.63	5.25	-3.06	0.262447	0.543595	AT2G26720	plastocyanin-like domain-containing protein
13379833	3.63	5.4	-3.4	0.150349	0.473213	AT1G55440	cysteine/histidine-rich C1 domain-containing protein
13499857	3.63	8.21	-23.98	0.007916	0.290374	SULTR2;1	sulfate transporter 2.1
13409198	3.62	2.25	2.57	0.029629	0.348797	AT2G16220	putative F-box protein
13483162	3.62	2.87	1.67	0.044819	0.374597	AT4G11300	hypothetical protein
13395066	3.62	2.95	1.59	0.094944	0.431309	MEF21	mitochondrial editing factor 21
13545557	3.62	3.1	1.44	0.610609	0.74026		
13355979	3.62	3.11	1.43	0.017393	0.319218	AT1G66930	protein kinase-like protein
13458008	3.62	3.14	1.4	0.393355	0.602146	AT3G49790	Carbohydrate-binding protein
13438908	3.62	3.17	1.37	0.403554	0.60805	AT3G53360	pentatricopeptide repeat-containing protein
13389190	3.62	3.17	1.36	0.241198	0.533485	AT1G78930	Mitochondrial transcription termination factor family protein
13405712	3.62	3.27	1.28	0.222947	0.524049		
13538785	3.62	3.28	1.26	0.624544	0.749521	AT5G52870	hypothetical protein
13519360	3.62	3.32	1.24	0.402872	0.607443	AT5G64690	neurofilament triplet H protein-like protein
13480036	3.62	3.34	1.22	0.210445	0.515657	PIP1;4	putative aquaporin PIP1-4
13533115	3.62	3.35	1.21	0.511946	0.673525	AT5G37890	E3 ubiquitin-protein ligase SINA-like 7
13385509	3.62	3.37	1.19	0.025964	0.337071	AT1G69840	Hypersensitive-induced response protein 2
13520702	3.62	3.39	1.18	0.658259	0.773586	AT5G01210	HXXXD-type acyl-transferase-like protein
13486651	3.62	3.42	1.14	0.537598	0.690758	AT4G18823	putative defensin-like protein 27
13390817	3.62	3.44	1.13	0.752874	0.838123	AT2G02410	hypothetical protein
13429594	3.62	3.44	1.13	0.1781	0.494072	RBL14	rhomboid-like protein 14
13414038	3.62	3.45	1.12	0.835288	0.895907	AT2G28050	pentatricopeptide repeat-containing protein
13425827	3.62	3.46	1.11	0.580262	0.720206	UBC12	putative ubiquitin-conjugating enzyme E2 12

13453371	3.62	3.6	1.02	0.970591	0.982692	AT3G24516	hypothetical protein
13510459	3.62	3.58	1.02	0.822844	0.886786	AT5G44500	small nuclear ribonucleoprotein B and B'
13427144	3.62	3.65	-1.02	0.942954	0.965795	AT3G12170	chaperone DnaJ-domain containing protein
13538051	3.62	3.66	-1.02	0.918749	0.950907	AT5G50801	hypothetical protein
13541721	3.62	3.7	-1.05	0.147068	0.470962	AT5G60630	hypothetical protein
13339227	3.62	3.87	-1.19	0.123526	0.45359	AT1G12330	hypothetical protein
13480148	3.62	3.89	-1.21	0.595655	0.730264	AT4G00600	amino acid dehydrogenase family protein
13406959	3.62	3.92	-1.23	0.721158	0.817164	AT2G01755	hypothetical protein
13395596	3.62	3.98	-1.29	0.03434	0.355201	AT2G21680	Kelch motif-containing protein
13417032	3.62	4.02	-1.33	0.46796	0.645545	AT2G35030	pentatricopeptide repeat-containing protein
13487903	3.62	4.06	-1.35	0.007352	0.288531	AT4G22190	hypothetical protein
13404657	3.62	4.08	-1.37	0.219993	0.521793	UGT74F1	UDP-glycosyltransferase 74 F1
13380109	3.62	4.24	-1.54	0.111878	0.443131	CYP708A1	cytochrome P450, family 708, subfamily A, polypeptide 1
13339543	3.62	4.35	-1.65	0.357805	0.585346	CYP71B29	cytochrome P450 71B29
13541136	3.62	4.83	-2.32	0.090229	0.427018	LAC16	laccase 16
13455351	3.62	4.9	-2.43	0.275367	0.550666	AT3G30769	hypothetical protein
13494881	3.62	5.21	-3.01	0.055861	0.388357	XTH7	xyloglucan:xyloglucosyl transferase
13335980	3.62	5.32	-3.26	0.064962	0.401596	AT1G05000	putative tyrosine-protein phosphatase
13455776	3.62	6.09	-5.54	0.342614	0.579024	AT3G43431	hypothetical protein
13545181	3.62	7.84	-18.56	0.217692	0.520626	ArthMp061	hypothetical protein
13341389	3.61	2.46	2.22	0.20614	0.512828	ELF4-L4	protein ELF4-like 4
13385599	3.61	2.63	1.98	0.055307	0.387527	AT1G70080	terpene cyclase, C1 domain-containing protein
13531965	3.61	3.17	1.36	0.235029	0.529694	AT5G29807	hypothetical protein
13477839	3.61	3.25	1.28	0.425218	0.620343	AT4G35190	cytokinin riboside 5'-monophosphate phosphoribohydrolase LOG5
13535506	3.61	3.32	1.23	0.4201	0.6173	POLH	DNA polymerase eta subunit
13369186	3.61	3.45	1.12	0.429766	0.622826	IQD7	protein IQ-domain 7
13398932	3.61	3.48	1.1	0.773857	0.852573	SIP4	CBL-interacting serine/threonine-protein kinase 11
13401734	3.61	3.56	1.04	0.885622	0.930155	AT2G36970	UDP-glycosyltransferase-like protein
13412439	3.61	3.59	1.01	0.958028	0.975066	ATCSLC08	putative xyloglucan glycosyltransferase 8
13407247	3.61	3.69	-1.05	0.71803	0.814714	AT2G02750; WHY3	pentatricopeptide repeat-containing protein; ssDNA-binding transcriptional regulator
13418247	3.61	3.68	-1.05	0.64231	0.761474	AS1	transcription factor AS1
13336955	3.61	3.78	-1.12	0.859414	0.912369	AT1G07400	class I heat shock protein
13487121	3.61	3.79	-1.13	0.82296	0.88685	AT4G20040	Pectin lyase-like protein
13535073	3.61	3.79	-1.13	0.723782	0.818932	NDH18	NAD(P)H dehydrogenase 18
13449039	3.61	3.82	-1.15	0.392129	0.601396	AT3G13620; AT3G13610	Amino acid permease family protein; oxidoreductase, 2OG-Fe(II) oxygenase family protein
13357325	3.61	3.89	-1.21	0.461339	0.642168	CYCD1;1	cyclin-D1-1
13485549	3.61	3.92	-1.24	0.446675	0.633876	AT4G16620	nodulin MtN21 /EamA-like transporter family protein
13423192	3.61	4.02	-1.33	0.278777	0.55343	AT3G02160	Bromodomain transcription factor
13515624	3.61	4.02	-1.33	0.066315	0.403288	AT5G56120	hypothetical protein
13401870	3.61	4.12	-1.43	0.345718	0.58045	TTG2	WRKY transcription factor 44
13339515	3.61	4.16	-1.46	0.278421	0.552993	AT1G13050	hypothetical protein
13338047	3.61	4.21	-1.51	0.002562	0.253459	AT1G09600	protein kinase-like protein

13361446	3.61	4.37	-1.69	0.497933	0.6638	AT1G80200	hypothetical protein
13385690	3.61	4.45	-1.79	0.084562	0.418673	AT1G70340; ENT1	hypothetical protein; equilibrative nucleotide transporter 1
13362367	3.61	4.57	-1.95	0.340351	0.578099	AT1G02460	Pectin lyase-like protein
13522272	3.61	4.82	-2.31	0.25425	0.539615	AT5G05300	hypothetical protein
13468682	3.61	5.39	-3.45	0.028962	0.347685	OFP11	ovate family protein 11
13455432	3.61	5.63	-4.03	0.254612	0.539889	AT3G32180	hypothetical protein
13340102	3.61	5.95	-5.08	0.123313	0.453558	AT1G14580	C2H2-like zinc finger protein
13412364	3.6	2.54	2.09	0.009516	0.296261	AT2G24400	SAUR-like auxin-responsive protein
13433140	3.6	2.9	1.62	0.065558	0.402176	AT3G25580	thioredoxin family protein
13545509	3.6	2.95	1.57	0.519648	0.678677		
13416704	3.6	3.02	1.49	0.202253	0.510403		
13533003	3.6	3.05	1.46	0.008405	0.293015	AT5G37570	pentatricopeptide repeat-containing protein
13513068	3.6	3.14	1.38	0.097005	0.433165	AT5G50290	hypothetical protein
13526810	3.6	3.21	1.31	0.234199	0.529498	AT5G16140	chloroplastic group IIB intron splicing facilitator CRS2-B
13456612	3.6	3.27	1.26	0.113221	0.44441	AT3G46020	RNA recognition motif-containing protein
13434544	3.6	3.3	1.23	0.30184	0.563858	AT3G29240	hypothetical protein
13471577	3.6	3.32	1.22	0.435163	0.626486	AT4G21300	pentatricopeptide repeat-containing protein
13541354	3.6	3.37	1.17	0.489582	0.658187	AT5G59360	hypothetical protein
13488538	3.6	3.46	1.1	0.818818	0.88411		
13399102	3.6	3.5	1.07	0.793093	0.866187	ARPC1A	actin-related protein C1A
13450862	3.6	3.5	1.07	0.605986	0.736663	AT3G18460	PLAC8 family protein
13462796	3.6	3.52	1.06	0.471357	0.64746	AT3G61360; SKIP4	pentatricopeptide repeat-containing protein; SKP1 interacting partner 4
13521501	3.6	3.53	1.05	0.728252	0.821908	AT5G03370	acylphosphatase
13405038	3.6	3.55	1.03	0.853968	0.908342	AT2G44700	F-box/kelch-repeat protein
13387794	3.6	3.57	1.02	0.92731	0.956048	AT1G75720	hypothetical protein
13400149	3.6	3.58	1.01	0.888947	0.931997	RLP26	receptor like protein 26
13391953	3.6	3.62	-1.01	0.891781	0.933554	AT2G05790	O-Glycosyl hydrolases family 17 protein
13478076	3.6	3.66	-1.04	0.590635	0.727154	IDH-III	Isocitrate dehydrogenase [NAD] regulatory subunit 3
13470053	3.6	3.68	-1.05	0.820851	0.885473	AT4G17690	peroxidase 41
13527496	3.6	3.69	-1.06	0.602662	0.733954	AT5G17600	RING-H2 finger protein ATL52
13372600	3.6	3.74	-1.1	0.751731	0.837363	SP1L1	protein SPIRAL1-like1
13344851	3.6	3.79	-1.14	0.497765	0.66373	ORC6	origin recognition complex subunit 6
13522914	3.6	3.8	-1.15	0.710804	0.809826	CYP712A2	cytochrome P450, family 712, subfamily A, polypeptide 2
13501634	3.6	3.82	-1.16	0.121702	0.45259	DEL2	DP-E2F-like 2
13534372	3.6	3.88	-1.22	0.358247	0.585732	MED10A	Mediator complex, subunit Med10
13343882	3.6	3.91	-1.24	0.349179	0.581167	SRO2	RCD one 2-like protein
13453797	3.6	3.96	-1.28	0.270546	0.548501	AT3G25990	DNA-binding protein GT-1-related protein
13368035	3.6	3.97	-1.29	0.1022	0.435549	SDS	cyclin-SDS
13400192	3.6	4.01	-1.33	0.365918	0.590066	AT2G33280	major facilitator protein
13529974	3.6	4.05	-1.37	0.012688	0.30322	MTN3	MTN3-like protein
13462764	3.6	4.08	-1.4	0.518457	0.677651	AT3G61210	S-adenosylmethionine-dependent methyltransferasedomain-containing protein
13532066	3.6	4.11	-1.43	0.024641	0.333244		
13469508	3.6	4.12	-1.44	0.644964	0.763574		
13448533	3.6	4.18	-1.5	0.444156	0.63204	AGC1.5	AGC kinase 1.5

13458748	3.6	4.18	-1.5	0.347215	0.58045	AT3G51642	hypothetical protein
13491680	3.6	4.32	-1.65	0.253545	0.539337	AT4G30700	pentatricopeptide repeat-containing protein
13476816	3.6	4.36	-1.7	0.036821	0.359989	CCD8	carotenoid cleavage dioxygenase 8
13403947	3.6	4.36	-1.7	0.240099	0.532904	ZFP8	zinc finger protein 8
13439687	3.6	4.82	-2.33	0.332852	0.576298	AT3G55310	Rossmann-fold NAD(P)-binding domain-containing protein
13417180	3.6	4.86	-2.38	0.472492	0.648081	AT2G35345	hypothetical protein
13474396	3.6	4.93	-2.51	0.203482	0.510814	AT4G27850	glycine-rich family protein
13392658	3.6	4.93	-2.52	0.317903	0.569516	AT2G13430	hypothetical protein
13445263	3.6	5.47	-3.64	0.119849	0.450801	AT3G05950	germin-like protein subfamily 1 member 7
13459238	3.6	5.5	-3.72	0.004453	0.262292	PAP22	purple acid phosphatase 22
13412244	3.59	2.93	1.59	0.110132	0.441206	AT2G24140	hypothetical protein
13412061	3.59	2.94	1.57	0.02276	0.32922	MES1	methyl esterase 1
13375531	3.59	2.94	1.57	0.157443	0.479979	GRF11	general regulatory factor 11
13394538	3.59	2.97	1.55	0.047477	0.37767	AT2G19280	pentatricopeptide repeat-containing protein
13542271	3.59	2.98	1.53	0.132664	0.462428	IPK2BETA	inositol polyphosphate multikinase beta
13371574	3.59	3	1.51	0.092819	0.429714	AT1G23300	MATE efflux family protein
13360281	3.59	3.03	1.48	0.000227	0.180656	AT1G77570	Winged helix-turn-helix transcription repressor DNA-binding protein
13481536	3.59	3.13	1.38	0.261097	0.543075		
13351900	3.59	3.14	1.37	0.592365	0.728214	AT1G53970	hypothetical protein
13440532	3.59	3.16	1.35	0.282097	0.555268	AT3G57360	hypothetical protein
13515431	3.59	3.17	1.33	0.106706	0.439034	AT5G55650	hypothetical protein
13398574	3.59	3.31	1.21	0.124538	0.453788	AT2G29340	tropine dehydrogenase
13348958	3.59	3.36	1.17	0.246406	0.535608	AT1G45110	tetrapyrrole (corrin/porphyrin)methylase
13472224	3.59	3.36	1.17	0.156808	0.479551	AT4G22960	hypothetical protein
13482478	3.59	3.37	1.16	0.416913	0.61571	CINV2	cytosolic invertase 2
13439815	3.59	3.42	1.12	0.275187	0.550583	AT3G55580	regulator of chromosome condensation repeat-containing protein
13516905	3.59	3.47	1.09	0.138484	0.46568	AT5G59000	RING/FYVE/PHD zinc finger-containing protein
13369809	3.59	3.49	1.08	0.657947	0.7735	AT1G18680	HNH endonuclease domain-containing protein
13415505	3.59	3.48	1.08	0.09777	0.433275	AT2G31600	hypothetical protein
13539297	3.59	3.5	1.06	0.509929	0.672033	MYB49	myb domain protein 49
13387995	3.59	3.53	1.05	0.363586	0.588822	ERD14	dehydrin ERD14
13445391	3.59	3.56	1.02	0.769383	0.849544		
13355543	3.59	3.64	-1.03	0.951968	0.971373	AT1G65541	hypothetical protein
13374776	3.59	3.67	-1.05	0.446057	0.633545	CSLD6	putative cellulose synthase-like protein D6
13415224	3.59	3.67	-1.06	0.701497	0.803579	AT2G31018	hypothetical protein
13515922	3.59	3.67	-1.06	0.579874	0.719818	AT5G56840	myb-like transcription factor family protein
13419983	3.59	3.7	-1.07	0.641665	0.761214	EMB2654	pentatricopeptide repeat-containing protein
13378607	3.59	3.7	-1.08	0.816971	0.883051	ROPGEF11	RHO guanyl-nucleotide exchange factor 11
13464545	3.59	3.71	-1.08	0.720552	0.816797	RGXT1	rhamnogalacturonan xylosyltransferase 1
13402319	3.59	3.78	-1.14	0.304822	0.565001	AT2G38350	hypothetical protein
13427770	3.59	3.78	-1.14	0.386677	0.598595	AT3G13677	hypothetical protein
13463432	3.59	3.78	-1.14	0.767997	0.848504	AT3G62850	zinc finger protein-like protein
13516107	3.59	3.87	-1.21	0.336918	0.577005	AT5G57200	putative clathrin assembly protein
13471874	3.59	3.94	-1.27	0.30168	0.563858	AT4G21820	binding / calmodulin binding protein

13460611	3.59	4.06	-1.38	0.328344	0.574416	AT3G56060	Glucose-methanol-choline (GMC) oxidoreductase family protein
13371066	3.59	4.1	-1.42	0.086154	0.421503	AT1G21940	hypothetical protein
13413124	3.59	4.16	-1.48	0.07592	0.410503	IQD6; CYP711A1	IQ-domain 6 protein; cytochrome P450, family 711, subfamily A, polypeptide 1
13412014	3.59	4.23	-1.56	0.189022	0.50294	AT2G23530	Zinc-finger domain of monoamine-oxidase A repressor R1
13352352	3.59	4.26	-1.59	0.307731	0.565966	UBQ12	polyubiquitin 12
13354375	3.59	4.27	-1.6	0.054022	0.384754	LRX2	leucine-rich repeat/extensin 2
13485968	3.59	4.28	-1.62	0.047443	0.37767	AT4G17240	hypothetical protein
13513283	3.59	4.29	-1.63	0.203524	0.510829	AT5G50930	Histone 2A domain-containing protein
13482071	3.59	4.4	-1.74	0.009122	0.296261	VFB3	putative F-box/LRR-repeat protein 8
13479283	3.59	4.4	-1.75	0.374625	0.593104	AT4G38650	Glycosyl hydrolase family 10 protein
13521609	3.59	4.42	-1.78	0.279998	0.554083	AT5G03580	RNA recognition motif-containing protein
13398850	3.59	4.46	-1.82	0.026328	0.337944	MAPKKK14	mitogen-activated protein kinase kinase kinase 14
13354999	3.59	4.47	-1.84	0.239624	0.532669	AT1G64235	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13395151	3.59	4.5	-1.88	0.346036	0.58045	AT2G20710	pentatricopeptide repeat-containing protein
13408843	3.59	4.51	-1.89	0.057463	0.39256	AT2G14289	hypothetical protein
13336002	3.59	4.61	-2.03	0.192743	0.505579	MAPKKK18	mitogen-activated protein kinase kinase kinase 18
13368596	3.59	5.16	-2.97	0.140783	0.467364	AT1G15825	hydroxyproline-rich glycoprotein family protein
13522463	3.59	5.22	-3.1	0.022995	0.330115	AT5G05840	hypothetical protein
13507970	3.59	5.39	-3.49	0.205908	0.512597	AT5G38190	hypothetical protein
13473803	3.59	5.7	-4.32	0.116649	0.446833	AT4G26380	cysteine/histidine-rich C1 domain-containing protein
13377862	3.58	2.51	2.09	0.321516	0.571334	AT1G50390	pfkB-like carbohydrate kinase family protein
13429196	3.58	2.85	1.67	0.096505	0.43273	RALF23	rapid alkalinization factor 23
13434458	3.58	2.89	1.62	0.101778	0.435397	MYB30	myb proto-oncogene protein
13541444	3.58	3.05	1.45	0.032188	0.352847	AT5G59700	putative receptor-like protein kinase
13496652	3.58	3.05	1.44	0.183406	0.498183	AT5G02650	hypothetical protein
13477321	3.58	3.09	1.41	0.212602	0.517763	AT4G34090; AT4G34080	putative cyclin delta-3; hypothetical protein
13494488	3.58	3.12	1.37	0.180467	0.495835	AT4G36770	UDP-glycosyltransferase-like protein
13456192	3.58	3.25	1.25	0.421876	0.618195	AT3G45020	Ribosomal L18p/L5e family protein
13470719	3.58	3.26	1.24	0.308712	0.566484	AT4G19191	pentatricopeptide repeat-containing protein
13517727	3.58	3.37	1.15	0.665239	0.777659	EXO70E2	exocyst complex component 7
13338398	3.58	3.4	1.13	0.612072	0.741325	AT1G10520	DNA polymerase lambda subunit
13480618	3.58	3.47	1.08	0.702296	0.803916	AT4G01670; ABC1	hypothetical protein; ABC transporter 1
13371823	3.58	3.54	1.03	0.860745	0.913273	AT1G23840	hypothetical protein
13496429	3.58	3.81	-1.17	0.346386	0.58045	AT5G02140	pathogenesis-related thaumatin-like protein
13466262	3.58	3.82	-1.18	0.483629	0.654182	AT4G08260	putative protein phosphatase 2C 53
13394461	3.58	3.87	-1.22	0.231635	0.528187	RALFL13	RALF-like 13 protein
13418537	3.58	3.92	-1.27	0.089711	0.426754	AT2G38304	hypothetical protein
13387206	3.58	3.98	-1.32	0.105709	0.437428	AT1G74220	hypothetical protein
13460701	3.58	3.99	-1.34	0.12135	0.452303	AT3G56230	BTB/POZ domain-containing protein
13541704	3.58	4.04	-1.37	0.396877	0.604224	AT5G60530	late embryogenesis abundant protein-like protein

13518221	3.58	4.2	-1.54	0.147378	0.471394		
13543924	3.58	4.2	-1.54	0.139783	0.46632	ACS5	1-aminocyclopropane-1-carboxylate synthase 5
13485314	3.58	4.3	-1.64	0.301604	0.563858	AT4G16215	hypothetical protein
13488365	3.58	4.3	-1.65	0.035618	0.356207	AT4G23103	hypothetical protein
13399934	3.58	4.48	-1.87	0.055533	0.388	CSLB01	cellulose synthase-like protein B1
13431526	3.58	4.54	-1.94	0.025675	0.33601	UGT84A2	sinapate 1-glucosyltransferase
13369489	3.58	5.03	-2.73	0.216098	0.519792	AT1G17990; AT1G18020	putative 12-oxophytodienoate reductase-like protein 2
13334797	3.58	5.43	-3.59	0.000026	0.14124	CER1	CER1 protein
13446159	3.58	5.45	-3.64	0.317098	0.568722	AT3G07450	protease inhibitor/seed storage/lipid transfer protein (LTP) family protein
13334424	3.58	5.67	-4.27	0.00409	0.262292	CYP86A4	cytochrome P450, family 86, subfamily A, polypeptide 4
13511336	3.58	5.88	-4.92	0.376282	0.593207		
13528912	3.58	5.88	-4.92	0.376282	0.593207		
13528918	3.58	5.88	-4.92	0.376282	0.593207		
13482383	3.57	2.9	1.6	0.045533	0.375909	AT4G08940; APRL6	ubiquitin thiolesterase; protein APR-like 6
13407118	3.57	2.89	1.6	0.186909	0.50131	AT2G02170	Remorin family protein
13343835	3.57	3.02	1.46	0.287191	0.557153	AT1G23450	pentatricopeptide repeat-containing protein-like protein
13373875	3.57	3.22	1.28	0.553502	0.701834	AT1G29840	alpha/beta-hydrolase-like protein
13404094	3.57	3.21	1.28	0.198903	0.508347	AT2G42370	hypothetical protein
13438556	3.57	3.23	1.27	0.40859	0.610748	AT3G52440	Dof zinc finger protein DOF3.5
13467740	3.57	3.27	1.23	0.223078	0.524154	AT4G12130	glycine cleavage T-protein family protein
13417617	3.57	3.3	1.2	0.600461	0.732615	HRD	ethylene-responsive transcription factor ERF024
13519549	3.57	3.33	1.18	0.625385	0.750153	MAF3	K-box region and MADS-box transcription factor family protein
13352587	3.57	3.41	1.12	0.70698	0.807335	BCDH BETA1	branched-chain alpha-keto acid decarboxylase E1 beta subunit
13471331	3.57	3.4	1.12	0.37348	0.592523	AT4G20700	hypothetical protein
13400549	3.57	3.43	1.1	0.683158	0.790203	AT2G34238	hypothetical protein
13509906	3.57	3.44	1.09	0.75673	0.840806	CYCA3;1	cyclin A3-1
13372006	3.57	3.47	1.07	0.325196	0.573176	AT1G24210	paired amphipathic helix domain-containing protein
13512588	3.57	3.54	1.02	0.921333	0.952456	AT5G49390	hypothetical protein
13385738	3.57	3.61	-1.03	0.83967	0.898921	AT1G70420	hypothetical protein
13432987	3.57	3.63	-1.05	0.676825	0.785739	CDC45	cell division control protein 45
13538845	3.57	3.69	-1.09	0.419103	0.61666	AT5G52950	hypothetical protein
13345610	3.57	3.71	-1.1	0.641878	0.76131	AGL58	protein agamous-like 58
13502686	3.57	3.72	-1.1	0.612113	0.741325	PC1	putative calcium-binding protein CML29
13441071	3.57	3.93	-1.28	0.61033	0.740107	AT3G58820	putative F-box protein
13498872	3.57	3.94	-1.3	0.278734	0.553383	SMC6A	structural maintenance of chromosomes 6A
13388908	3.57	3.97	-1.32	0.091507	0.428831	UGT85A4	UDP-glucosyl transferase 85A4
13488842	3.57	3.97	-1.32	0.22303	0.524154	GH9A3	endoglucanase 21
13488752	3.57	3.99	-1.34	0.069689	0.406403	AT4G23930	late embryogenesis abundant hydroxyproline-rich glycoprotein
13485776	3.57	4.03	-1.37	0.416928	0.61571	AT4G17000	hypothetical protein
13505051	3.57	4.08	-1.42	0.269003	0.547659	AAP7	putative amino acid permease 7

13490813	3.57	4.08	-1.43	0.331685	0.576146	AT4G28405; AT4G28400	hypothetical protein; putative protein phosphatase 2C 58
13355309	3.57	4.12	-1.46	0.383277	0.597568	CYP89A7	cytochrome P450, family 87, subfamily A, polypeptide 7
13377497	3.57	4.18	-1.52	0.31675	0.568567	CXE5	carboxyesterase 5
13485032	3.57	4.17	-1.52	0.145991	0.470604	UGT84A4	UDP-glycosyltransferase-like protein
13531447	3.57	4.18	-1.53	0.169713	0.488067	AT5G27330	Prefoldin chaperone subunit family protein
13486059	3.57	4.23	-1.58	0.069887	0.406427	AT4G17480	palmitoyl protein thioesterase family protein
13443933	3.57	4.25	-1.59	0.194575	0.505856	AT3G03130	hypothetical protein
13388951	3.57	4.3	-1.66	0.02942	0.348027	AT1G78400	Pectin lyase-like protein
13544573	3.57	4.44	-1.82	0.04157	0.367829	ALC	transcription factor ALC
13364830	3.57	4.47	-1.87	0.351841	0.582759	EXO70H6	exocyst complex component 7
13496423	3.57	4.56	-1.98	0.148955	0.471967	OHP	one helix protein
13443737	3.57	4.61	-2.06	0.02576	0.33601	AT3G02640	hypothetical protein
13538584	3.57	4.63	-2.09	0.276119	0.551166	AT5G52190	Sugar isomerase (SIS) family protein
13439334	3.57	4.72	-2.21	0.0445	0.374597	AT3G54450	putative peptide/nitrate transporter
13435041	3.57	5.14	-2.99	0.41488	0.614208	AT3G43150	hypothetical protein
13522701	3.57	5.18	-3.06	0.313959	0.568024	AT5G06490	putative RING-H2 finger protein ATL71
13442271	3.57	5.77	-4.59	0.000644	0.209284	LHCA2	photosystem I light harvesting complex protein
13400987	3.57	5.87	-4.93	0.000777	0.215706	AT2G35260	hypothetical protein
13353036	3.57	6.16	-6	0.211215	0.516561		
13447832	3.56	2.21	2.55	0.041411	0.367619		
13469888	3.56	2.5	2.08	0.015672	0.315212	AT4G17350	hypothetical protein
13358162	3.56	2.73	1.79	0.048376	0.37767	AT1G72060; AT1G72070	serine-type endopeptidase inhibitor; chaperone DnaJ-domain containing protein
13340912	3.56	2.76	1.74	0.229136	0.52681	AT1G16640	AP2/B3-like transcriptional factor family protein
13434630	3.56	2.81	1.68	0.530088	0.686552	AT3G29430	geranylgeranyl diphosphate synthase 11
13468355	3.56	2.98	1.5	0.248275	0.536392	AT4G14096	F-box/LRR-repeat protein
13375015	3.56	3.13	1.35	0.155116	0.477992	AT1G32900	granule-bound starch synthase
13339057	3.56	3.14	1.34	0.019719	0.322692	AT1G11915	hypothetical protein
13425167	3.56	3.26	1.23	0.541803	0.693646	AT3G06710	hypothetical protein
13467944	3.56	3.26	1.23	0.688382	0.793804	AT4G12850	Far-red impaired responsive (FAR1) family protein
13402667	3.56	3.31	1.18	0.45053	0.635781	SVR1	suppressor of variegation1 causing pseudouridine synthase-like protein
13484125	3.56	3.33	1.17	0.064783	0.401596	AT4G13650	pentatricopeptide repeat-containing protein
13428867	3.56	3.39	1.12	0.691875	0.796546	AT3G15930	pentatricopeptide repeat-containing protein
13465185	3.56	3.5	1.04	0.89443	0.935163	AT4G03000	putative E3 ubiquitin-protein ligase RF298
13444703	3.56	3.54	1.01	0.889598	0.932245	TIM23-3; AT3G04790	translocase inner membrane subunit 23-3; ribose 5-phosphate isomerase A
13510110	3.56	3.61	-1.03	0.800572	0.871558		
13523506	3.56	3.62	-1.04	0.874709	0.922542	AT5G08310	pentatricopeptide repeat-containing protein
13370072	3.56	3.65	-1.06	0.707464	0.807677	AT1G19550	Glutathione S-transferase-like protein
13393315	3.56	3.64	-1.06	0.110371	0.441467	PMT2	polyol/monosaccharide transporter 2
13542127	3.56	3.65	-1.06	0.828986	0.891362	AT5G61412	hypothetical protein
13351466	3.56	3.65	-1.07	0.821929	0.886001	AT1G53060	legume lectin-like protein
13474688	3.56	3.75	-1.14	0.52794	0.684948	AT4G28460	hypothetical protein
13474817	3.56	3.76	-1.14	0.146972	0.470962	AT4G28690	hypothetical protein

13494198	3.56	3.78	-1.16	0.242899	0.534256	GATA7	GATA transcription factor 7
13431065	3.56	3.82	-1.2	0.246648	0.535608	MSH5	DNA mismatch repair protein MSH5
13390625	3.56	3.86	-1.23	0.344031	0.57929	CYCJ18	cyclin J18
13538310	3.56	3.95	-1.31	0.503838	0.667959	AT5G51420	putative long-chain-alcohol O-fatty-acyltransferase 11
13417680	3.56	3.96	-1.32	0.123797	0.453788	AT2G36560	AT hook motif DNA-binding family protein
13473780	3.56	3.97	-1.32	0.276833	0.551433	AT4G26288; emb1027; AT4G26290	hypothetical protein; Arginyl-tRNA synthetase, class Ic
13393593	3.56	3.99	-1.35	0.523989	0.681826	AT2G17033	pentatricopeptide repeat-containing protein
13409127	3.56	4.03	-1.38	0.335699	0.576654	AT2G15910	CSL zinc finger domain-containing protein
13364938	3.56	4.12	-1.47	0.528562	0.685385	GATA10	GATA transcription factor 10
13528352	3.56	4.22	-1.57	0.148216	0.471967	OFP8	ovate family protein 8
13528445	3.56	4.24	-1.61	0.146337	0.470765	AT5G19880	peroxidase 58
13418265	3.56	4.47	-1.87	0.19072	0.50408	AT2G37670	transducin and WD-40 repeat-containing protein
13339477	3.56	4.49	-1.91	0.413027	0.613625	AT1G12890	ethylene-responsive transcription factor ERF088
13510657	3.56	4.62	-2.1	0.124629	0.453788	AT5G44910	Toll-Interleukin-Resistance domain-containing protein
13371286	3.56	4.79	-2.35	0.189452	0.503111	AT1G22470	hypothetical protein
13516983	3.56	5.03	-2.76	0.002027	0.253459	LTP3	non-specific lipid-transfer protein 3
13434820	3.56	5.23	-3.18	0.184721	0.499327	AT3G31950	hypothetical protein
13477451	3.56	5.51	-3.87	0.244278	0.534851	AT4G34300	glycine-rich protein
13399879	3.56	5.73	-4.51	0.030757	0.350246	AT2G32487	hypothetical protein
13500911	3.56	6.61	-8.23	0.015296	0.313468	JAZ10	protein TIFY 9
13355627	3.55	3.12	1.34	0.045387	0.375052	AT1G65850	TIR-NBS-LRR class disease resistance protein
13390220	3.55	3.21	1.27	0.046569	0.377399	ZFP1	zinc finger protein 1
13512604	3.55	3.22	1.26	0.20212	0.510353	AT5G49410	hypothetical protein
13360052	3.55	3.3	1.19	0.390262	0.600099	AT1G77010	pentatricopeptide repeat-containing protein
13501668	3.55	3.33	1.16	0.561841	0.707278	AT5G15010	pentatricopeptide repeat-containing protein
13534534	3.55	3.34	1.16	0.117863	0.447871	CML37	calcium-binding protein CML37
13491711	3.55	3.38	1.13	0.663307	0.776448	AT4G30740	hypothetical protein
13437237	3.55	3.39	1.12	0.703762	0.804883	AT3G48900	Flap endonuclease GEN-like 2
13377729	3.55	3.4	1.11	0.559571	0.70573	AT1G50080	hypothetical protein
13355263	3.55	3.45	1.07	0.881156	0.927254	AT1G64820	MATE efflux family protein
13490628	3.55	3.48	1.05	0.925405	0.955008	YLMG1-2	YGGT family protein
13374919	3.55	3.52	1.02	0.950589	0.970589	AT1G32550	ferredoxin
13351604	3.55	3.54	1.01	0.945588	0.967349	AT1G53345	hypothetical protein
13509892	3.55	3.56	-1.01	0.97149	0.983325	AT5G42965	RNase H domain-containing protein
13526437	3.55	3.64	-1.06	0.585046	0.723849	AT5G15190	hypothetical protein
13472090	3.55	3.66	-1.08	0.781849	0.858022	AT4G22620	SAUR-like auxin-responsive protein
13531152	3.55	3.66	-1.08	0.710437	0.809537	AT5G26150	protein kinase-like protein
13532836	3.55	3.66	-1.08	0.724227	0.819212	CHX24	cation/H(+) antiporter 24
13440557	3.55	3.74	-1.13	0.482543	0.653511	AT3G57400	hypothetical protein
13535398	3.55	3.8	-1.19	0.373817	0.592616	AT5G44440	FAD-binding and BBE domain-containing protein
13514487	3.55	3.81	-1.2	0.69464	0.798647	AT5G53451	hypothetical protein
13408214	3.55	3.89	-1.27	0.361799	0.587911	AT2G07215	hypothetical protein

13407943	3.55	3.95	-1.32	0.475927	0.649794	AT2G05160	zinc finger CCCH domain-containing protein 18
13541925	3.55	4.15	-1.51	0.059319	0.39493	RPA70D	Replication factor-A protein 1-like protein
13541350	3.55	4.26	-1.63	0.463096	0.643087	WOX2	WUSCHEL-related homeobox 2
13353353	3.55	4.34	-1.73	0.011673	0.300859	AT1G58848; AT1G59218	putative disease resistance protein RDL6/RF9
13352650	3.55	4.45	-1.87	0.421217	0.61783	AT1G55700	cysteine/histidine-rich C1 domain-containing protein
13415032	3.55	4.53	-1.98	0.481692	0.652954	AT2G30650	3-hydroxyisobutyryl-CoA hydrolase
13435180	3.55	4.56	-2.02	0.38354	0.597744	AT3G43682	hypothetical protein
13365646	3.55	4.79	-2.36	0.010794	0.297771	G6PD4	glucose-6-phosphate dehydrogenase 4
13508155	3.55	5.01	-2.75	0.015663	0.315212	AT5G38700	hypothetical protein
13531271	3.55	5.25	-3.26	0.20393	0.511039	AGL34	protein agamous-like 34
13336089	3.55	5.37	-3.52	0.285935	0.556736	AT1G05450	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13354551	3.55	5.41	-3.62	0.067146	0.405452	EXPA18	expansin A18
13508244	3.55	8.83	-38.78	0.003639	0.253459	AT5G38910	putative germin-like protein subfamily 1 member 9
13464944	3.54	3.06	1.39	0.436933	0.627769	AT4G02482	putative GTP-binding protein
13394658	3.54	3.29	1.19	0.524423	0.682089	AT2G19530	hypothetical protein
13459575	3.54	3.29	1.19	0.450792	0.635828	AT3G53690	RING/U-box domain-containing protein
13533722	3.54	3.3	1.19	0.054244	0.385491	AT5G39980; AT5G39970	pentatricopeptide repeat-containing protein; hypothetical protein
13424952	3.54	3.42	1.08	0.385337	0.598088	AT3G06240	F-box/kelch-repeat protein
13432950	3.54	3.44	1.08	0.369228	0.591437	AT3G25030	RING/U-box domain-containing protein
13506806	3.54	3.5	1.03	0.934498	0.960404	AT5G28010	SRPBCC ligand-binding domain-containing protein
13416134	3.54	3.53	1.01	0.963744	0.978638	AT2G33006	hypothetical protein
13452538	3.54	3.53	1.01	0.982246	0.98969	AT3G22210	hypothetical protein
13434938	3.54	3.55	-1.01	0.978154	0.987154	AT3G42380	hypothetical protein
13411925	3.54	3.57	-1.03	0.916999	0.949753	UGT84B2	UDP-glucose:(indol-3-yl)acetate beta-D-glucosyltransferase
13526234	3.54	3.65	-1.08	0.736316	0.827448	PDF1B	peptide deformylase 1B
13393067	3.54	3.72	-1.14	0.515482	0.675675	AT2G15042	Leucine-rich repeat (LRR) family protein
13541696	3.54	3.72	-1.14	0.733386	0.82555	FLA12	fasciclin-like arabinogalactan protein 12
13368108	3.54	3.76	-1.16	0.390617	0.600347	MAP70-4	microtubule-associated proteins 70-4
13428340	3.54	3.77	-1.17	0.016196	0.315398	AT3G14880	hypothetical protein
13416362	3.54	3.8	-1.2	0.681334	0.788759	AT2G33400	hypothetical protein
13420123	3.54	3.81	-1.21	0.308664	0.566484	AT2G41870	remorin-like protein
13382159	3.54	3.83	-1.22	0.777692	0.855248	AT1G62080	hypothetical protein
13458193	3.54	3.86	-1.25	0.698061	0.801152	AT3G50220	hypothetical protein
13406967	3.54	3.89	-1.27	0.301152	0.563858	AT2G01780	curculin-like (mannose-binding) lectin-like protein
13386927	3.54	3.95	-1.34	0.177602	0.493515	AT1G73650	hypothetical protein
13459316	3.54	3.96	-1.34	0.219929	0.521793	CYP76G1	cytochrome P450, family 76, subfamily G, polypeptide 1
13444748	3.54	4.02	-1.39	0.237044	0.531149	AT3G04900	heavy-metal-associated domain-containing protein
13371499	3.54	4.08	-1.46	0.133858	0.463251	AST91	putative sulfate transporter 3.3

13488057	3.54	4.3	-1.69	0.372562	0.592018	AT4G22420	Ubiquitin-specific protease family C19-related protein
13490903	3.54	4.34	-1.74	0.208691	0.514214	ATM1	ABC transporter B family member 23
13357435	3.54	4.49	-1.93	0.031907	0.352653	TAA1	tryptophan aminotransferase
13526409	3.54	4.55	-2.01	0.034601	0.355201	HB-3	homeobox-leucine zipper protein HAT7
13474983	3.54	4.93	-2.61	0.098412	0.433275	AT4G28870	hypothetical protein
13529147	3.54	4.97	-2.7	0.273917	0.55051	AT5G21280	hydroxyproline-rich glycoprotein family protein
13416136	3.54	5	-2.75	0.132861	0.462497	RLP24	receptor like protein 24
13468495	3.54	5.83	-4.86	0.21378	0.518275	AT4G14450	hypothetical protein
13421526	3.53	2.68	1.8	0.247909	0.536315		
13397916	3.53	2.7	1.78	0.035873	0.357142	AT2G27740	hypothetical protein
13352904	3.53	2.76	1.71	0.409159	0.610961	NAS4	nicotianamine synthase
13421353	3.53	2.78	1.68	0.136267	0.465036	AT2G44800	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase-like protein
13357087	3.53	2.82	1.64	0.141141	0.467636	CLE45	protein CLAVATA3/ESR-related 45
13493428	3.53	2.98	1.47	0.230838	0.527788	TAF8	TBP-associated factor 8
13449723	3.53	3.04	1.4	0.40938	0.610961	PPI2	proton pump interactor 2
13532808	3.53	3.1	1.35	0.311598	0.566992	AT5G36980	hypothetical protein
13425305	3.53	3.13	1.32	0.095752	0.431773	AT3G07000	cysteine/histidine-rich C1 domain-containing protein
13427880	3.53	3.36	1.12	0.227278	0.525643	AT3G13880	pentatricopeptide repeat-containing protein
13433112	3.53	3.36	1.12	0.608153	0.738125	AT3G25490	putative wall-associated receptor kinase-like 16
13487953	3.53	3.37	1.11	0.040039	0.365591	AT4G22280; MRB1	F-box protein; hypothetical protein
13477861	3.53	3.4	1.1	0.675109	0.784639	GLUR2	glutamate receptor 3.2
13532852	3.53	3.41	1.09	0.813178	0.880549	AT5G37240	hypothetical protein
13364473	3.53	3.41	1.08	0.231223	0.527791	AT1G06980	hypothetical protein
13433766	3.53	3.42	1.08	0.599725	0.732061	AT3G26922	leucine rich repeat and F-box domain-containing protein
13451074	3.53	3.48	1.04	0.622816	0.748673	AT3G18930	RING-H2 finger protein ATL65
13493571	3.53	3.48	1.03	0.545916	0.696524	ASE2	amidophosphoribosyltransferase
13482724	3.53	3.51	1.02	0.90184	0.939879	SCRL20	putative defensin-like protein 236
13444917	3.53	3.51	1.01	0.964446	0.979072	MEF19	mitochondrial editing factor 19
13390433	3.53	3.55	-1.01	0.782361	0.858401	AT2G01390	pentatricopeptide repeat-containing protein
13487586	3.53	3.6	-1.05	0.788475	0.862924	AT4G21510	F-box protein SKIP27
13461908	3.53	3.62	-1.07	0.526264	0.683519	AT3G59070	Cytochrome b561/ferric reductase transmembrane with DOMON related domain
13336443	3.53	3.64	-1.08	0.70655	0.807006	AT1G06140	pentatricopeptide repeat-containing protein
13521461	3.53	3.64	-1.08	0.146225	0.470765	AT5G03220	Mediator complex, subunit Med7
13364103	3.53	3.71	-1.13	0.252193	0.538705	AT1G06137	hypothetical protein
13492959	3.53	3.7	-1.13	0.668872	0.780087	PGSIP3	plant glycogenin-like starch initiation protein 3
13413884	3.53	3.73	-1.14	0.492425	0.659869	AT2G27660	cysteine/histidine-rich C1 domain-containing protein
13535909	3.53	3.72	-1.14	0.5841	0.723023	AT5G45720	AAA-type ATPase family protein
13538174	3.53	3.79	-1.2	0.339768	0.578001	AT5G51110	transducin/WD40 domain-containing protein
13453212	3.53	3.92	-1.31	0.172293	0.489773	AMT1;5	putative ammonium transporter 1 member 5
13509362	3.53	3.93	-1.31	0.43814	0.628399	AT5G41900	hydrolase, alpha/beta fold family protein

13386664	3.53	3.94	-1.33	0.032423	0.353134	AT1G73050	putative mandelonitrile lyase
13455435	3.53	4.03	-1.41	0.035626	0.356207	AT3G32190	hypothetical protein
13487521	3.53	4.07	-1.46	0.426021	0.620795	B120	S-locus lectin protein kinase-like protein
13401966	3.53	4.18	-1.58	0.050746	0.381425	AT2G37435	Cystatin/monellin domain-containing protein
13535495	3.53	4.23	-1.63	0.232377	0.528375	GSO2	LRR receptor-like serine/threonine-protein kinase GSO2
13439942	3.53	4.26	-1.67	0.114397	0.445522	AT3G55760	hypothetical protein
13396785	3.53	4.3	-1.71	0.032604	0.353134	TIC55-II; AT2G24830	translocon at the inner envelope membrane of chloroplasts 55-II; zinc finger CCCH domain-containing protein 22
13475305	3.53	4.35	-1.77	0.334838	0.576654	AT4G29630	cytidine/deoxycytidylate deaminase-like protein
13376761	3.53	4.45	-1.89	0.027906	0.344388	AT1G48070	TRX domain-containing protein
13355183	3.53	4.45	-1.89	0.513284	0.674445		
13491507	3.53	4.45	-1.89	0.144953	0.470007	XTH19	xyloglucan:xyloglucosyl transferase
13427252	3.53	4.53	-1.99	0.220011	0.521793	AT3G12540	hypothetical protein
13540965	3.53	4.85	-2.5	0.254847	0.540094	ATL63	RING-H2 finger protein ATL63
13494795	3.53	4.87	-2.53	0.463985	0.643501	AT4G37483	hypothetical protein
13344465	3.53	4.95	-2.67	0.012167	0.301412	MYB116	myb domain protein 116
13517871	3.53	5.05	-2.87	0.024731	0.333752	AT5G61350	putative receptor-like protein kinase
13459329	3.53	5.09	-2.96	0.23496	0.529694		
13453867	3.53	5.35	-3.52	0.05188	0.382324	CYP71B26	cytochrome P450 71B26
13527804	3.52	2.71	1.76	0.191729	0.504877	AT5G18362	Cytokine-induced anti-apoptosis inhibitor 1, Fe-S biogenesis
13400195	3.52	3.09	1.35	0.284612	0.55631	SUVH2	histone methyltransferase
13524113	3.52	3.11	1.32	0.597499	0.731118	AT5G09950	pentatricopeptide repeat-containing protein
13418052	3.52	3.15	1.29	0.503203	0.667404	AT2G37210	cytokinin riboside 5'-monophosphate phosphoribohydrolase LOG3
13492735	3.52	3.16	1.28	0.280864	0.554531	ZIP9	zinc transporter 9
13538597	3.52	3.19	1.26	0.346685	0.58045	AT5G52220	chromosome transmission fidelity protein 8
13463956	3.52	3.21	1.24	0.65266	0.769563	AT4G00380	XH/XS domain-containing protein
13482471	3.52	3.26	1.2	0.569788	0.712372	AT4G09430	TIR-NBS-LRR class disease resistance protein
13367579	3.52	3.27	1.19	0.052913	0.383093	AT1G13630	PPR repeat-containing protein
13438765	3.52	3.27	1.19	0.564868	0.709385	AT3G53065	D-galactoside/L-rhamnose binding SUEL lectin protein
13512580	3.52	3.32	1.15	0.734397	0.826059	AT5G49380	hypothetical protein
13476417	3.52	3.43	1.06	0.705781	0.806481	IAA29	auxin-responsive protein IAA29
13463864	3.52	3.46	1.05	0.47746	0.650737	JLO	LOB domain-containing protein 30
13350182	3.52	3.49	1.02	0.851612	0.906411	AT1G49930	hypothetical protein
13433707	3.52	3.51	1.01	0.925732	0.955242	AT3G26782	pentatricopeptide repeat-containing protein
13416264	3.52	3.58	-1.04	0.763726	0.845289	XID	myosin XI D
13395598	3.52	3.63	-1.08	0.697941	0.801143	EMB2219	transcription termination factor family protein
13416903	3.52	3.66	-1.1	0.610922	0.740463	AT2G34700	pollen Ole e 1 allergen and extensin family protein
13468055	3.52	3.67	-1.11	0.463248	0.643174	AT4G13110	BSD domain-containing protein
13447902	3.52	3.71	-1.14	0.772771	0.85181	AT3G11591; AT3G11590	hypothetical protein
13503913	3.52	3.71	-1.14	0.663297	0.776448	AT5G20220	CCHC-type zinc knuckle protein

13502293	3.52	3.75	-1.17	0.448967	0.635131	ZFN3	zinc finger CCCH domain-containing protein 57
13348367	3.52	3.79	-1.2	0.35698	0.584844	AT1G36960	hypothetical protein
13338680	3.52	3.85	-1.25	0.472679	0.648172	AT1G11160	WD40 domain-containing protein
13508330	3.52	3.87	-1.27	0.401936	0.606941	AT5G39320	putative UDP-glucose 6-dehydrogenase 2
13501599	3.52	3.89	-1.29	0.127834	0.457732	AT5G14890	NHL domain-containing protein
13479322	3.52	4.08	-1.47	0.307789	0.565976	ASE3	amidophosphoribosyltransferase
13386049	3.52	4.08	-1.48	0.34497	0.579915	AT1G71370	DEAD-box ATP-dependent RNA helicase 49
13370454	3.52	4.11	-1.52	0.042771	0.369817	AT1G20480	4-coumarate--CoA ligase-like 2
13373355	3.52	4.46	-1.93	0.047833	0.37767	RABA1i	RAB GTPase-like protein A1I
13501653	3.52	4.52	-2	0.177257	0.493375	AT5G14980	esterase/lipase/thioesterase family protein
13408691	3.52	4.63	-2.16	0.377824	0.594163	AT2G13550	hypothetical protein
13408472	3.52	4.68	-2.24	0.405091	0.609014	AT2G10608	hypothetical protein
13454697	3.52	4.8	-2.43	0.346357	0.58045	AT3G28120	hypothetical protein
13501872	3.52	4.86	-2.54	0.006103	0.280665	SP1L4	protein SPIRAL1-like4
13369946	3.52	4.93	-2.65	0.02956	0.348325	AT1G19200	hypothetical protein
13499684	3.52	5.35	-3.54	0.341599	0.578744	IDL3	protein IDA-LIKE 3
13542465	3.52	5.42	-3.73	0.000826	0.218667	AT5G62210	Embryo-specific protein 3, (ATS3)
13533199	3.51	2.81	1.63	0.208077	0.513672	AT5G38250	Protein kinase family protein
13367147	3.51	2.9	1.53	0.073147	0.408907	PP2-A12	F-box protein PP2-A12
13354977	3.51	2.97	1.45	0.194207	0.505856	AT1G64180	intracellular protein transport protein USO1-like protein
13442775	3.51	3.11	1.33	0.134204	0.463251	AT3G62920	hypothetical protein
13533080	3.51	3.13	1.3	0.090044	0.427018	CAM1; CAM4	calmodulin 1; calmodulin 4
13483119	3.51	3.19	1.25	0.066405	0.403288	CRF1	ethylene-responsive transcription factor CRF1
13482865	3.51	3.21	1.23	0.587417	0.72562	AT4G10550	subtilisin-like protease
13532214	3.51	3.21	1.23	0.239752	0.532669	AT5G35400	tRNA pseudouridine synthase-like protein
13365713	3.51	3.25	1.19	0.013509	0.308902	AT1G09575	hypothetical protein
13478012	3.51	3.38	1.09	0.693156	0.79754	AT4G35540	zinc ion binding protein
13500382	3.51	3.43	1.06	0.80638	0.875779	MYB3R-4	myb domain protein 3r-4
13452660	3.51	3.47	1.02	0.91762	0.950095	AT3G22670	pentatricopeptide repeat-containing protein
13390506	3.51	3.48	1.01	0.970158	0.982429	CRR3	chlororespiratory reduction 3
13533579	3.51	3.53	-1.01	0.774548	0.85317	VIM3	E3 ubiquitin-protein ligase ORTHRUS 1
13501986	3.51	3.54	-1.02	0.873832	0.922026	AT5G15820	RING/U-box domain-containing protein
13345718	3.51	3.6	-1.06	0.448582	0.635027	AT1G29100	heavy-metal-associated domain-containing protein
13388996	3.51	3.6	-1.06	0.567748	0.711138	SHB	SH2 domain protein B
13530834	3.51	3.59	-1.06	0.892571	0.933856	PLDALPHA3	phospholipase D zeta
13419636	3.51	3.61	-1.07	0.780027	0.856926	AT2G40920	F-box/LRR-repeat protein
13539600	3.51	3.61	-1.07	0.700493	0.802994	AT5G55150	hypothetical protein
13354013	3.51	3.62	-1.08	0.801669	0.872104		
13370754	3.51	3.63	-1.08	0.888946	0.931997	AT1G21110	O-methyltransferase family protein
13516374	3.51	3.65	-1.1	0.864043	0.915142	ENODL10	early nodulin-like protein 10
13401813	3.51	3.65	-1.11	0.575951	0.716785	AT2G37070	hypothetical protein
13425239	3.51	3.71	-1.14	0.46509	0.644046	AT3G06840	hypothetical protein
13343440	3.51	3.77	-1.2	0.62323	0.748951	AT1G22651	hypothetical protein
13367035	3.51	3.78	-1.2	0.298969	0.562461	AT1G12423	hypothetical protein
13511455	3.51	3.89	-1.3	0.33798	0.577317	HB-7	homeobox-leucine zipper protein HDG5

13524169	3.51	4.01	-1.42	0.09263	0.429659	AT5G10130	pollen_Ole_e_I-domain containing protein
13429193	3.51	4.03	-1.43	0.439004	0.62918	AT3G16555	F-box protein
13545723	3.51	4.16	-1.58	0.178266	0.49426	AT2G18340	late embryogenesis abundant domain-containing protein
13392827	3.51	4.18	-1.6	0.13499	0.463566	MCM9	minichromosome maintenance 9
13425302	3.51	4.21	-1.62	0.213308	0.518061	AT3G06990	cysteine/histidine-rich C1 domain-containing protein
13367754	3.51	4.27	-1.69	0.517152	0.676882	AT1G14225	hypothetical protein
13399515	3.51	4.27	-1.69	0.335707	0.576654	CHX21	cation/H(+) antiporter 21
13512150	3.51	4.36	-1.81	0.026914	0.340085	AT5G48360	formin-like protein 9
13400958	3.51	4.58	-2.1	0.227648	0.525679	AT2G35200	hypothetical protein
13350677	3.51	4.89	-2.61	0.308906	0.566568	AT1G51172	hypothetical protein
13401632	3.51	4.92	-2.66	0.286999	0.557153	AT2G36690	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase-like protein
13404090	3.51	4.99	-2.78	0.350868	0.582019	AT2G42360	E3 ubiquitin-protein ligase ATL41
13541384	3.51	5.33	-3.54	0.097848	0.433275	AT5G59490	haloacid dehalogenase-like hydrolase domain-containing protein
13534578	3.51	5.35	-3.57	0.354289	0.5843	AT5G42530	hypothetical protein
13355877	3.51	5.84	-5.04	0.016718	0.316275		
13431634	3.51	6.26	-6.73	0.306199	0.565397	AT3G21990	cysteine-rich repeat secretory protein 29
13398920	3.5	2.8	1.62	0.207846	0.513608	AT2G30230	hypothetical protein
13428333	3.5	3.01	1.4	0.367261	0.590549	AT3G14870	hypothetical protein
13460575	3.5	3.22	1.22	0.483455	0.654049	AT3G56020; AT1G56045; AT3G11120; AT3G08520; AT2G40205	60S ribosomal protein L41
13448157	3.5	3.24	1.2	0.343222	0.579024	RGTB2	geranylgeranyl transferase type-2 subunit beta
13409034	3.5	3.26	1.18	0.115643	0.446371	AT2G15420	myosin heavy chain-related protein
13470328	3.5	3.37	1.1	0.647785	0.765584	DEG5; AT4G18372	protease Do-like 5; Small nuclear ribonucleoprotein family protein
13509904	3.5	3.37	1.1	0.466928	0.645054	AT5G43066	hypothetical protein
13509536	3.5	3.37	1.09	0.219552	0.521561	scpl42	serine carboxypeptidase-like 42
13468684	3.5	3.43	1.05	0.575733	0.716779	AT4G14870	secE/sec61-gamma protein transport protein
13351570	3.5	3.46	1.02	0.914027	0.947902	TCP3	transcription factor TCP3
13518083	3.5	3.51	-1.01	0.984534	0.991088	LFY	protein LEAFY
13383355	3.5	3.53	-1.02	0.818483	0.883886	AT1G65070	DNA mismatch repair protein MutS2
13522694	3.5	3.71	-1.16	0.078918	0.414078	AT5G06480	phosphatidylinositol/phosphatidylglycerol transfer protein domain-containing protein
13480447	3.5	3.83	-1.25	0.485642	0.655263	AT4G01200	calcium-dependent lipid-binding domain-containing protein
13523277	3.5	3.83	-1.25	0.503652	0.6678	SNAP29	SNAP25 homologous protein SNAP29
13347579	3.5	3.94	-1.35	0.059836	0.395174	AT1G33860	hypothetical protein
13430347	3.5	3.93	-1.35	0.084915	0.419372	AT3G19000	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase-like protein
13458166	3.5	3.94	-1.36	0.029359	0.348027	AT3G50180	hypothetical protein
13433042	3.5	4.01	-1.43	0.218257	0.520731	AGC2-1	serine/threonine-protein kinase OXI1
13539621	3.5	4.06	-1.48	0.230795	0.527788	IAMT1	IAA carboxylmethyltransferase 1
13409077	3.5	4.11	-1.53	0.12478	0.453821	AT2G15760	hypothetical protein

13531164	3.5	4.18	-1.6	0.321942	0.571488	AT5G26190	cysteine/histidine-rich C1 domain-containing protein
13482388	3.5	4.38	-1.84	0.315111	0.568201	AT4G08967	hypothetical protein
13490805	3.5	4.49	-1.99	0.435288	0.626571	AT4G28380; AT4G28370	leucine-rich repeat-containing protein; RING/U-box domain-containing protein
13435570	3.5	4.62	-2.18	0.352791	0.583317	AT3G44755	hypothetical protein
13450833	3.5	4.65	-2.21	0.101054	0.434702	AT3G18360	VQ motif-containing protein
13485504	3.5	4.83	-2.52	0.161704	0.483523	AT4G16550	HSP20-like chaperone
13537290	3.5	4.84	-2.55	0.242557	0.534212	AT5G49130	mate efflux domain-containing protein
13408180	3.5	4.86	-2.57	0.153487	0.476458	AT2G07000	hypothetical protein
13440817	3.5	5.07	-2.98	0.231251	0.527791		
13429116	3.5	5.34	-3.58	0.076107	0.410503	NSP3	Nitrile-specifier protein 3
13437715	3.49	2.43	2.1	0.01367	0.309482	HR2	RPW8-like protein 2
13484203	3.49	2.8	1.61	0.06791	0.405979	AT4G13820	leucine-rich repeat-containing protein
13545483	3.49	3	1.4	0.601786	0.733418		
13462732	3.49	3.08	1.34	0.368903	0.591283	AT3G61170	pentatricopeptide (PPR) repeat-containing protein
13341963	3.49	3.08	1.33	0.36082	0.587552	AT1G18773	hypothetical protein
13377888	3.49	3.22	1.2	0.239003	0.532292	AT1G50450; AT1G50440	Saccharopine dehydrogenase; RING/FYVE/PHD zinc finger-containing protein
13408468	3.49	3.29	1.15	0.633329	0.755969	AT2G10560	hypothetical protein
13449479	3.49	3.34	1.11	0.712172	0.810415	AT3G14460	LRR and NB-ARC domain-containing disease resistance protein
13518120	3.49	3.38	1.08	0.20638	0.513094	AT5G61950	ubiquitin carboxyl-terminal hydrolase-related protein
13413395	3.49	3.4	1.06	0.841614	0.90026	AT2G26790	pentatricopeptide repeat-containing protein
13507536	3.49	3.47	1.02	0.893912	0.934793	AT5G36670; AT5G36740	RING/FYVE/PHD zinc finger-containing protein; Acyl-CoA N-acyltransferase with RING/FYVE/PHD-type zinc finger domain
13480887	3.49	3.54	-1.04	0.813839	0.880935	AT4G02300	pectinesterase 39
13340414	3.49	3.58	-1.06	0.761214	0.843588	ECB2	pentatricopeptide repeat-containing protein
13527237	3.49	3.57	-1.06	0.862891	0.914502	UGT78D2	Flavonoid 3-O-glucosyltransferase
13455849	3.49	3.6	-1.08	0.590355	0.72711	AT3G43890	cysteine/histidine-rich C1 domain-containing protein
13479980	3.49	3.65	-1.12	0.665109	0.777564	AT4G00280	hypothetical protein
13479663	3.49	3.87	-1.3	0.554244	0.702374	AT4G39670	glycolipid transfer protein
13387295	3.49	3.88	-1.31	0.033848	0.354028	AT1G74490	protein kinase domain-containing protein
13443014	3.49	3.89	-1.32	0.426248	0.620806	AT3G01060	hypothetical protein
13513848	3.49	3.95	-1.37	0.451781	0.636344	AT5G52050	mate efflux domain-containing protein
13414197	3.49	3.99	-1.42	0.289858	0.558085	LBD11	LOB domain-containing protein 11
13342953	3.49	4	-1.43	0.208741	0.514214	AT1G21400	2-oxoisovalerate dehydrogenase E1 component, alpha subunit
13493685	3.49	4.2	-1.64	0.046803	0.377465	AT4G35025	hypothetical protein
13366864	3.49	4.29	-1.74	0.289759	0.558085	AT1G11920	putative pectate lyase
13455724	3.49	4.41	-1.9	0.465518	0.644385	AT3G43280	hypothetical protein
13418336	3.49	4.44	-1.93	0.398764	0.605002	emb1513; AT2G37910	copper ion transmembrane transporter; putative cation/hydrogen exchanger (CHX21)
13535443	3.49	4.78	-2.46	0.050394	0.380289	AT5G44568	hypothetical protein

13376670	3.49	6.27	-6.85	0.303442	0.564135	AT1G47660	hypothetical protein
13472825	3.49	6.37	-7.36	0.389389	0.599704	AT4G24231	hypothetical protein
13461322	3.48	2.56	1.9	0.07878	0.414078	AT3G57730	putative protein kinase
13389364	3.48	2.93	1.46	0.055908	0.388357	AT1G79120	ubiquitin carboxyl-terminal hydrolase-like protein
13335286	3.48	3.02	1.38	0.217462	0.520618	DBE1	Isoamylase 2
13501235	3.48	3.03	1.36	0.197875	0.507798	AT5G13830	FtsJ-like methyltransferase family protein
13397898	3.48	3.06	1.34	0.18578	0.500307	CYP94C1	cytochrome P450, family 94, subfamily C, polypeptide 1
13402283	3.48	3.06	1.34	0.273771	0.550335	PDX1.1	Pyridoxal biosynthesis protein PDX1.1
13470082	3.48	3.17	1.24	0.63207	0.754867	TPS5	alpha,alpha-trehalose-phosphate synthase [UDP-forming] 5
13439698	3.48	3.22	1.2	0.254331	0.539683	AT3G55350	PIF / Ping-Pong family of plant transposase
13514614	3.48	3.28	1.15	0.464285	0.643588	AT5G53680	RNA recognition motif-containing protein
13379553	3.48	3.3	1.13	0.676461	0.785602	AT1G54540	late embryogenesis abundant hydroxyproline-rich glycoprotein
13382429	3.48	3.5	-1.01	0.96252	0.977881	AT1G62780	hypothetical protein
13339639	3.48	3.51	-1.02	0.922711	0.953382	AHP2	homologous-pairing protein 2
13384186	3.48	3.51	-1.02	0.706329	0.806817	AT1G67040	hypothetical protein
13522283	3.48	3.53	-1.04	0.87956	0.926325	AT5G05330	HMG-box (high mobility group) DNA-binding family protein
13522703	3.48	3.56	-1.06	0.040961	0.366381	AT5G06520	SWAP/Surp domain-containing protein
13501474	3.48	3.59	-1.08	0.823962	0.887623	AT5G14450	GDSL esterase/lipase
13478463	3.48	3.63	-1.11	0.352027	0.582786	AT4G36600	Late embryogenesis abundant (LEA) protein
13517388	3.48	3.64	-1.12	0.708461	0.808252	AT5G60250	C3H4 type zinc finger protein
13436076	3.48	3.67	-1.15	0.376783	0.59355	AT3G46370	leucine-rich repeat protein kinase-like protein
13448945	3.48	3.68	-1.15	0.536339	0.689889	DIN4	2-oxoisovalerate dehydrogenase E1 component, beta subunit
13477987	3.48	3.87	-1.3	0.039697	0.365591	MLH3	DNA mismatch repair protein MLH3
13532407	3.48	3.95	-1.39	0.405218	0.609014	G6PD1	glucose-6-phosphate dehydrogenase 1
13443963	3.48	4.03	-1.46	0.4843	0.654407	AT3G03240	alpha/beta-hydrolase domain-containing protein
13351061	3.48	4.04	-1.47	0.194828	0.505856	IQD27	IQ-domain 27 protein
13407531	3.48	4.08	-1.51	0.140901	0.467457	AT2G03570	hypothetical protein
13401016	3.48	4.13	-1.57	0.026869	0.339972	MEE29	helicase domain-containing protein
13435979	3.48	4.15	-1.59	0.374143	0.5929	AT3G46110	hypothetical protein
13442455	3.48	4.18	-1.63	0.005562	0.277927	AT3G61870	hypothetical protein
13540646	3.48	4.46	-1.97	0.324894	0.573118	AT5G57730	hypothetical protein
13475383	3.48	5.68	-4.62	0.006754	0.285606	AT4G29930	transcription factor bHLH27
13452560	3.48	5.9	-5.38	0.287824	0.557377	AT3G22235	hypothetical protein
13464121	3.47	2.63	1.79	0.256114	0.540533	AT4G00780	TRAF-like family protein
13521274	3.47	2.66	1.76	0.167028	0.486855	AT5G02502	Oligosaccaryltransferase
13433736	3.47	2.85	1.54	0.142516	0.468651	PAD3	cytochrome P450 71B15
13523550	3.47	2.92	1.47	0.142445	0.468651	AT5G08400	hypothetical protein
13481716	3.47	3.23	1.18	0.457084	0.639333	AT4G04880	adenosine deaminase
13393877	3.47	3.28	1.15	0.395313	0.603269	AT2G17660	RPM1-interacting protein 4-like protein
13481547	3.47	3.29	1.13	0.20719	0.513526	RLP46	receptor like protein 46
13545643	3.47	3.31	1.11	0.915979	0.949153		

13536055	3.47	3.43	1.03	0.947136	0.968413	AT5G46130	hypothetical protein
13404607	3.47	3.49	-1.01	0.977705	0.986889	AT2G43700	concanavalin A-like lectin protein kinase-like protein
13524480	3.47	3.48	-1.01	0.781894	0.858022	AT5G10690	pentatricopeptide repeat-containing protein
13403403	3.47	3.51	-1.03	0.852464	0.907147	AT2G40720	pentatricopeptide repeat-containing protein
13471939	3.47	3.52	-1.03	0.867858	0.917857	AT4G21950	hypothetical protein
13366614	3.47	3.53	-1.04	0.665994	0.778223	AT1G11220	hypothetical protein
13422119	3.47	3.52	-1.04	0.915034	0.94869	AT2G46662	hypothetical protein
13540611	3.47	3.62	-1.11	0.227245	0.525643	AT5G57670	protein kinase-like protein
13535480	3.47	3.63	-1.12	0.750707	0.836646	AT5G44680	DNA-3-methyladenine glycosylase I
13409525	3.47	3.66	-1.14	0.779631	0.856656	AT2G17070	hypothetical protein
13517344	3.47	3.65	-1.14	0.181908	0.496988	AT5G60150	hypothetical protein
13437661	3.47	3.67	-1.15	0.73908	0.828771	AT3G50290	HXXXD-type acyl-transferase family protein
13403694	3.47	3.68	-1.16	0.066351	0.403288	AT2G41330	glutaredoxin-like protein
13521349	3.47	3.69	-1.17	0.70108	0.803294	AT5G02830; RHL2	pentatricopeptide repeat-containing protein; DNA topoisomerase 6 subunit A
13494876	3.47	3.77	-1.23	0.144963	0.470007	MYB87	myb domain protein 87
13398405	3.47	3.8	-1.26	0.371471	0.591914	AT2G28920	RING/U-box domain-containing protein
13402198	3.47	3.83	-1.28	0.523779	0.681693	AT2G38070	hypothetical protein
13436232	3.47	3.83	-1.28	0.062547	0.398248	PTAC16	protein plastid transcriptionally active 16
13475097	3.47	3.88	-1.33	0.191179	0.504398	AT4G29140	mate efflux domain-containing protein
13506879	3.47	4	-1.44	0.369894	0.59191	AT5G28410	hypothetical protein
13501673	3.47	4.12	-1.57	0.282205	0.555336	AT5G15070	phosphoglycerate mutase-like protein
13528536	3.47	4.12	-1.57	0.162347	0.484381	AT5G20110	dynein light chain type 1-like protein
13338013	3.47	4.18	-1.63	0.073827	0.410225	PIF3	transcription factor PIF3
13411349	3.47	4.33	-1.81	0.116583	0.446833	XK-1	xylulose kinase-1
13519915	3.47	4.48	-2.01	0.343299	0.579024	AT5G65850	F-box protein
13426572	3.47	4.5	-2.04	0.497336	0.663463	CAT7	cationic amino acid transporter 7
13484322	3.47	4.77	-2.47	0.144214	0.469407	AT4G14090	anthocyanin 5-O-glucosyltransferase
13526970	3.47	4.98	-2.85	0.534847	0.688969	AT5G16486	RNA-directed DNA polymerase (reverse transcriptase)-related family protein
13496438	3.47	5.59	-4.35	0.012151	0.301412	AT5G02170	Transmembrane amino acid transporter family protein
13349873	3.46	1.54	3.78	0.079482	0.414177	AT1G49210	E3 ubiquitin-protein ligase ATL76
13342919	3.46	2.23	2.34	0.219788	0.521702	WAK2	wall-associated receptor kinase 2
13518620	3.46	2.77	1.61	0.06946	0.406403	FOLB2	Dihydroneopterin aldolase
13511188	3.46	2.78	1.6	0.301793	0.563858	FLS2	LRR receptor-like serine/threonine-protein kinase FLS2
13359524	3.46	2.82	1.56	0.022317	0.326784	HVA22G	HVA22-like protein G
13545485	3.46	2.94	1.44	0.486421	0.655913		
13545559	3.46	2.93	1.44	0.586191	0.724702		
13499190	3.46	3.04	1.34	0.318763	0.569878	AT5G08360	hypothetical protein
13444350	3.46	3.04	1.33	0.138417	0.46568	AT3G03970	armadillo/beta-catenin-like repeat-containing protein
13492842	3.46	3.19	1.2	0.464838	0.643987	AT4G33170	pentatricopeptide repeat-containing protein
13348777	3.46	3.23	1.17	0.44255	0.630991	hemb2	porphobilinogen synthase
13359956	3.46	3.28	1.14	0.481384	0.652743	AT1G76820	translation initiation factor eIF-5B
13335364	3.46	3.29	1.13	0.535146	0.689242	AT1G03550	secretory carrier-associated membrane protein 2

13454054	3.46	3.38	1.06	0.849589	0.905302		
13445245	3.46	3.41	1.04	0.91921	0.951225	AT3G05936	hypothetical protein
13385232	3.46	3.49	-1.02	0.923601	0.953973	AT1G69150	cysteine/histidine-rich C1 domain-containing protein
13535955	3.46	3.49	-1.02	0.91404	0.947902	DOG1	delay of germination 1 protein
13350134	3.46	3.52	-1.04	0.827558	0.890456		
13336662	3.46	3.54	-1.05	0.878847	0.925745	AT1G06630	F-box domain-containing protein
13502964	3.46	3.53	-1.05	0.784461	0.85998	AT5G18403	defensin-like protein 218
13350311	3.46	3.55	-1.06	0.089465	0.426412	AT1G50270	pentatricopeptide repeat-containing protein
13381336	3.46	3.59	-1.09	0.61394	0.742623	GolS7	galactinol synthase 7
13458132	3.46	3.63	-1.12	0.497294	0.663441	AT3G50120	hypothetical protein
13337626	3.46	3.68	-1.17	0.404038	0.608498	AT1G08790	hypothetical protein
13434315	3.46	3.7	-1.18	0.292667	0.559559	AT3G28540	AAA-type ATPase family protein
13491556	3.46	3.79	-1.25	0.390275	0.600099	TET9; AT4G30420	tetraspanin9; nodulin MtN21 /EamA-like transporter family protein
13436423	3.46	3.79	-1.26	0.326394	0.573808	ATSMC2	structural maintenance of chromosomes protein 2-2
13452629	3.46	3.8	-1.26	0.339425	0.577996	AT3G22560	GCN5-related N-acetyltransferase (GNAT) family protein
13437183	3.46	3.88	-1.33	0.185948	0.500322	AT3G48830	polynucleotide adenylyltransferase domain and RNA recognition motif-containing protein
13426086	3.46	3.93	-1.38	0.356421	0.584728	AT3G09450	hypothetical protein
13456895	3.46	3.92	-1.38	0.316762	0.568567	AT3G46890	hypothetical protein
13362347	3.46	4.07	-1.52	0.398979	0.605115	AT1G02391	hypothetical protein
13344043	3.46	4.2	-1.67	0.307847	0.56601	AT1G24110	peroxidase 6
13489903	3.46	4.3	-1.79	0.103569	0.436308	AT4G26490	late embryogenesis abundant (LEA) hydroxyproline-rich glycoprotein family member
13458537	3.46	4.33	-1.83	0.005486	0.277119	AT3G51057	hypothetical protein
13394457	3.46	4.38	-1.89	0.132666	0.462428	RALFL11	RALF-like 11 protein
13502054	3.46	4.45	-1.99	0.013314	0.306887	CPuORF10; AT5G15950	S-adenosylmethionine decarboxylase-like protein
13337939	3.46	4.65	-2.28	0.049461	0.378802		
13463009	3.46	5.1	-3.11	0.381961	0.596752	AT3G61827	hypothetical protein
13469837	3.46	5.13	-3.18	0.306334	0.565397	AT4G17245	RING/U-box domain-containing protein
13433711	3.46	5.19	-3.31	0.289362	0.557997	AT3G26800	hypothetical protein
13528125	3.46	5.53	-4.2	0.041366	0.367619	AT5G19100	Eukaryotic aspartyl protease family protein
13379036	3.46	5.64	-4.52	0.326602	0.573808		
13398380	3.46	5.64	-4.52	0.326602	0.573808		
13402830	3.46	5.64	-4.52	0.326602	0.573808		
13419071	3.46	5.64	-4.52	0.326602	0.573808		
13402590	3.46	5.94	-5.59	0.043617	0.372891	PHT1;4	inorganic phosphate transporter 1-4
13533599	3.46	5.99	-5.76	0.266185	0.546291	AT5G39581	hypothetical protein
13525071	3.46	6.09	-6.19	0.26687	0.546471	AT5G12043	hypothetical protein
13532505	3.46	8.18	-26.27	0.014335	0.313095	AT5G36130	Cytochrome P450 family protein
13507710	3.45	2.37	2.12	0.122043	0.452662	AT5G37250	RING/U-box domain-containing protein
13517071	3.45	2.68	1.71	0.275466	0.550666	AT5G59470	mannose-P-dolichol utilization defect 1 protein-like protein
13378941	3.45	2.7	1.68	0.083402	0.417856	ERF8	ethylene-responsive transcription factor 8

13405007	3.45	3	1.36	0.158772	0.481364	AT2G44600	hypothetical protein
13456844	3.45	3.15	1.23	0.698994	0.801792	AT3G46680	UDP-glycosyltransferase-like protein
13424971	3.45	3.17	1.22	0.302154	0.563897	AT3G06320; AT5G18790	Ribosomal protein L33 family protein
13392645	3.45	3.19	1.2	0.630769	0.754223	AT2G13272	hypothetical protein
13436784	3.45	3.22	1.18	0.630704	0.754223	DEL1	protein DP-E2F-like 1
13338024	3.45	3.24	1.16	0.184448	0.498967	MYB61	myb proto-oncogene protein
13441065	3.45	3.29	1.11	0.754229	0.839197	MTPA2	metal tolerance protein A2
13470913	3.45	3.47	-1.02	0.798537	0.870442	AT4G19650	Mitochondrial transcription termination factor family protein
13489064	3.45	3.5	-1.03	0.715328	0.812907	AT4G24730	calcineurin-like phosphoesterase family protein
13471078	3.45	3.52	-1.04	0.663604	0.776668	AT4G20160	hypothetical protein
13525837	3.45	3.56	-1.08	0.642189	0.761474	AT5G13920	endonuclease VIII-like 3
13392492	3.45	3.58	-1.1	0.744445	0.832165	AT2G10602	hypothetical protein
13406123	3.45	3.64	-1.15	0.217656	0.520626	LACS1	long chain acyl-CoA synthetase 1
13334287	3.45	3.85	-1.32	0.668339	0.779688	AT1G01355	Putative endonuclease or glycosyl hydrolase
13349731	3.45	3.88	-1.34	0.185954	0.500322	AT1G48800	terpene cyclase, C1 domain-containing protein
13520349	3.45	3.95	-1.41	0.228297	0.526027	AT5G66830	putative F-box protein
13414662	3.45	4.05	-1.51	0.458721	0.640177	AT2G29820	putative F-box/kelch-repeat protein
13483761	3.45	4.09	-1.56	0.523096	0.681231	UNE14	calmodulin-like protein 2
13442957	3.45	4.11	-1.58	0.091225	0.428438	scpl40; AT3G63480	carboxypeptidase D; ATP binding microtubule motor family protein
13388338	3.45	4.19	-1.67	0.196599	0.50734	AT1G76965	hypothetical protein
13497094	3.45	4.19	-1.67	0.231099	0.527791	AT5G03640	protein kinase family protein
13428129	3.45	4.25	-1.74	0.040017	0.365591	AT3G14560	hypothetical protein
13431653	3.45	4.26	-1.74	0.100405	0.434607	AT3G22040	cysteine-rich repeat secretory protein 34
13537549	3.45	4.33	-1.84	0.473148	0.648252	FRO7	ferric reduction oxidase 7
13493454	3.45	4.38	-1.91	0.605201	0.73598		
13415348	3.45	4.71	-2.39	0.402665	0.607258	AT2G31271	hypothetical protein
13432093	3.45	5.04	-3.01	0.297134	0.562298	URO	zinc finger (C2H2 type) family protein
13339232	3.45	5.07	-3.08	0.461972	0.642617	AT1G12340	putative protein cornichon-2
13427721	3.45	5.51	-4.18	0.30933	0.566768	AT3G13594	hypothetical protein
13394849	3.45	5.88	-5.4	0.003739	0.256484	AT2G20030	putative RING-H2 finger protein ATL12
13423224	3.44	2.64	1.74	0.1299	0.459886	RGF7	hypothetical protein
13411721	3.44	2.67	1.71	0.380652	0.596105	NIC1	nicotinamidase 1
13496699	3.44	2.75	1.61	0.013946	0.310945	AT5G02760	putative protein phosphatase 2C 67
13379751	3.44	2.76	1.6	0.124985	0.454106	AT1G55280	Lipase/lipooxygenase, PLAT/LH2 family protein
13475837	3.44	2.88	1.47	0.023367	0.330182	AT4G31050	Plastidial lipoyltransferase 2
13380349	3.44	2.96	1.39	0.504797	0.668458	AT1G56260	hypothetical protein
13426024	3.44	2.97	1.39	0.361108	0.5879	TAC1	telomerase activator1
13538781	3.44	3.02	1.33	0.325124	0.573167	AT5G52850	pentatricopeptide repeat-containing protein
13382383	3.44	3.05	1.31	0.404677	0.608751	RPF2	RNA processing factor 2
13465558	3.44	3.07	1.29	0.287439	0.557153	RLP46	receptor like protein 46
13485545	3.44	3.18	1.19	0.766164	0.847134	AT4G16610	C2H2-like zinc finger protein
13410765	3.44	3.28	1.12	0.633284	0.755947	AT2G20240; AT2G20230	hypothetical protein; Tetraspanin family protein
13503821	3.44	3.33	1.08	0.61834	0.74554	AT5G20050	putative receptor-like protein kinase

13431029	3.44	3.34	1.07	0.663912	0.776806	EMB2743	F-box associated ubiquitination effector family protein
13336173	3.44	3.39	1.03	0.953965	0.972577	AT1G05700	Leucine-rich repeat transmembrane protein kinase protein
13471433	3.44	3.47	-1.03	0.714566	0.812355	AT4G21065	pentatricopeptide repeat-containing protein
13336727	3.44	3.64	-1.15	0.386959	0.598595	AT1G06750	nucleoside/nucleotide kinase domain-containing protein
13359933	3.44	3.7	-1.19	0.144435	0.469521	AT1G76728	hypothetical protein
13386498	3.44	3.7	-1.19	0.100195	0.434576	AT1G72640	Rossmann-fold NAD(P)-binding domain-containing protein
13478634	3.44	3.87	-1.34	0.36599	0.590066	AT4G37030	hypothetical protein
13419383	3.44	3.87	-1.35	0.042997	0.37052	AT2G40350	putative dehydration-responsive element-binding protein 2H
13449653	3.44	3.9	-1.37	0.324608	0.573051	AT3G15115	hypothetical protein
13507852	3.44	3.92	-1.39	0.515165	0.675579	RSL1	putative transcription factor bHLH086
13531012	3.44	4.07	-1.55	0.021562	0.325381	tny	ethylene-responsive transcription factor TINY
13406275	3.44	4.09	-1.57	0.253195	0.539191	AT2G47485	hypothetical protein
13447887	3.44	4.19	-1.68	0.08348	0.417888	TBL8	protein trichome birefringence-like 8
13395118	3.44	4.44	-2	0.108928	0.440715	AT2G20618	Plant thionin family protein
13504374	3.44	4.6	-2.24	0.457988	0.639717	AT5G22150	hypothetical protein
13445931	3.44	4.91	-2.76	0.50244	0.666827		
13492086	3.44	4.91	-2.76	0.50244	0.666827		
13534081	3.44	5.08	-3.13	0.511981	0.673525	AT5G41109; AT5G41110	hypothetical protein
13514119	3.44	5.11	-3.18	0.309496	0.566861	AT5G52730	copper transport family protein
13351990	3.44	5.81	-5.15	0.193862	0.505856	AT1G54215	proline-rich family protein
13509239	3.43	2.81	1.53	0.109956	0.441206	AT5G41650	lactoylglutathione lyase family protein / glyoxalase I family protein
13382155	3.43	2.91	1.44	0.437492	0.628101	AT1G62060	hypothetical protein
13545469	3.43	2.93	1.42	0.44906	0.635204		
13393856	3.43	2.95	1.39	0.439928	0.629635	CYCB2;1	cyclin-B2-1
13467247	3.43	2.98	1.36	0.326345	0.573808	AT4G11000	ankyrin repeat-containing protein
13421269	3.43	3.09	1.27	0.079962	0.414259	AT2G44580	sister chromatid cohesion protein DCC1
13486784	3.43	3.14	1.23	0.232448	0.528392	AT4G19095	hypothetical protein
13387746	3.43	3.15	1.22	0.566559	0.710734	AT1G75550	glycine-rich protein
13510691	3.43	3.25	1.13	0.365179	0.589672	AT5G44990	Glutathione S-transferase family protein
13468928	3.43	3.31	1.09	0.672543	0.782899	AT4G15233	ABC transporter G family member 42
13518030	3.43	3.31	1.09	0.805933	0.875427	ATH14	ABC transporter A family member 10
13383995	3.43	3.41	1.02	0.912899	0.947232	pde194	methionyl-tRNA formyltransferase
13531483	3.43	3.46	-1.02	0.899935	0.938413	AT5G27390	Mog1/PsbP/DUF1795-like photosystem II reaction center PsbP family protein
13337574	3.43	3.47	-1.03	0.803118	0.873066	XIC	myosin motor domain-containing protein and DIL domain-containing protein
13341823	3.43	3.51	-1.06	0.761926	0.84395	SOT17	sulfotransferase 17
13528926	3.43	3.54	-1.07	0.261969	0.543595	AT5G20870	O-Glycosyl hydrolases family 17 protein
13444619	3.43	3.55	-1.08	0.29726	0.56231	AT3G04620	Alba DNA/RNA-binding protein
13424181	3.43	3.55	-1.09	0.807111	0.876155		
13440344	3.43	3.63	-1.15	0.196783	0.507547	AT3G56920	putative S-acyltransferase
13397418	3.43	3.72	-1.22	0.267235	0.546492	AT2G26440	pectinesterase 12

13452438	3.43	3.71	-1.22	0.356487	0.584728	UGT71B8	UDP-glucosyl transferase 71B8
13462748	3.43	3.73	-1.23	0.09846	0.433275	BAP1	BON1-associated protein 1
13526025	3.43	3.73	-1.23	0.130886	0.460628	AT5G14350	pentatricopeptide repeat repeat-containing protein
13358239	3.43	3.77	-1.26	0.108763	0.440715	AT1G72210	transcription factor bHLH96
13460300	3.43	3.77	-1.27	0.598092	0.73138	AT3G55100	ABC transporter G family member 17
13527892	3.43	3.86	-1.35	0.439253	0.629269	AT5G18450	dehydration-responsive element-binding protein 2G
13407486	3.43	3.9	-1.38	0.493901	0.66086	AT2G03370	Glycosyltransferase family 61 protein
13453880	3.43	4	-1.49	0.088794	0.42534	CYP71B36	cytochrome P450 71B36
13438370	3.43	4.08	-1.56	0.017664	0.319218	GR1	protein gamma response 1
13368415	3.43	4.12	-1.62	0.289103	0.557782	AT1G15415; AT1G15410	hypothetical protein; aspartate-glutamate racemase-like protein
13498092	3.43	4.17	-1.66	0.376367	0.593266	WOX7	WUSCHEL-related homeobox 7
13459210	3.43	4.18	-1.69	0.063611	0.399503	AT3G52760	Yip1 integral membrane domain-containing protein
13504415	3.43	4.22	-1.72	0.302805	0.563999	NIT4; GAPB	bifunctional nitrilase/nitrile hydratase NIT4; glyceraldehyde-3-phosphate dehydrogenase B
13338697	3.43	4.22	-1.73	0.045947	0.37669	AT1G11170	hypothetical protein
13422643	3.43	4.23	-1.73	0.102061	0.435546	AT2G48075; RPH1	hypothetical protein; resistance to phytophthora 1 protein
13419194	3.43	4.4	-1.97	0.273259	0.54985	AT2G39865	hypothetical protein
13530305	3.43	4.41	-1.98	0.458862	0.640177	AT5G24318	O-Glycosyl hydrolases family 17 protein
13374042	3.43	4.54	-2.15	0.005815	0.279573	AT1G30280	chaperone DnaJ-domain-containing protein
13343550	3.43	4.67	-2.37	0.41132	0.612532	AT1G22830	Pentatricopeptide repeat-containing protein
13544837	3.43	4.69	-2.39	0.508019	0.671106		
13341558	3.43	4.86	-2.69	0.043011	0.370523	WBC11	ABC transporter G family member 11
13446560	3.43	5.26	-3.55	0.192365	0.505422	AT3G08810	F-box/kelch-repeat protein
13463830	3.43	5.32	-3.68	0.004064	0.262292	UNE11	unfertilized embryo sac 11 protein
13458869	3.43	5.53	-4.26	0.05877	0.394229	SULTR3;1	sulfate transporter 3.1
13375781	3.43	5.91	-5.59	0.010283	0.296261	AT1G35910	haloacid dehalogenase-like hydrolase domain-containing protein
13428398	3.43	6.38	-7.73	0.155952	0.478792	AT3G14981	hypothetical protein
13475053	3.42	2.75	1.6	0.255446	0.540321	AT4G29035	self-incompatibility S1 family protein
13537285	3.42	2.89	1.44	0.04639	0.377124	AT5G49120	hypothetical protein
13482403	3.42	2.91	1.43	0.496857	0.663222	AT4G09012	Mitochondrial ribosomal protein L27
13543860	3.42	3.02	1.32	0.193407	0.505856	AT5G65600	concanavalin A-like lectin kinase-like protein
13484655	3.42	3.03	1.31	0.308269	0.56624	NRPE7	DNA-directed RNA polymerase II subunit G
13466882	3.42	3.06	1.29	0.573224	0.715104	AT4G09880	hypothetical protein
13358512	3.42	3.1	1.26	0.209717	0.514898	AT1G72950	TIR-NBS class of disease resistance protein
13509934	3.42	3.11	1.24	0.144871	0.470007	PUM14	pumilio 14
13472419	3.42	3.15	1.2	0.424463	0.619918	AT4G23440	TIR-NBS class of disease resistance protein
13393229	3.42	3.22	1.15	0.314578	0.568153	AT2G15590	hypothetical protein
13539380	3.42	3.23	1.14	0.590939	0.727258	AT5G54470	B-box type zinc finger-containing protein
13541249	3.42	3.25	1.13	0.509961	0.672033	AT5G59105	defensin-like protein 200
13340142	3.42	3.33	1.06	0.837646	0.897561	AT1G14680	hypothetical protein
13534243	3.42	3.34	1.06	0.631776	0.754746	AT5G41540	TIR-NBS-LRR class disease resistance protein

13513124	3.42	3.45	-1.02	0.896715	0.936422	AT5G50560; AT5G50660	hypothetical protein
13403210	3.42	3.5	-1.06	0.568453	0.71145	AT2G40390	hypothetical protein
13354363	3.42	3.56	-1.1	0.813195	0.880549	HT1	serine/threonine-protein kinase HT1
13419721	3.42	3.59	-1.13	0.737766	0.828049	AT2G41170	F-box protein
13510537	3.42	3.66	-1.18	0.376202	0.593207	AT5G44590	S-adenosyl-L-methionine-dependent methyltransferase domain-containing protein
13514580	3.42	3.66	-1.18	0.530456	0.686612	AT5G53610	carbohydrate-binding X8 domain-containing protein
13393032	3.42	3.67	-1.19	0.567152	0.71093	AT2G14846	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13421089	3.42	3.68	-1.2	0.68665	0.792696	AT2G44040	dihydrodipicolinate reductase 1
13391088	3.42	3.71	-1.22	0.012381	0.301412	AT2G03130	large subunit ribosomal protein L7/L12
13416548	3.42	3.75	-1.25	0.246218	0.535608	AT2G33855	hypothetical protein
13419772	3.42	3.75	-1.25	0.109412	0.440715	SSL1	strictosidine synthase-like 1
13517795	3.42	3.83	-1.33	0.065042	0.401596	AT5G61180	Putative endonuclease or glycosyl hydrolase
13476917	3.42	3.88	-1.37	0.088478	0.424895	CBL10	calcineurin B-like protein 10
13542528	3.42	3.96	-1.46	0.292211	0.559503	AT5G62510	F-box family protein
13526748	3.42	3.98	-1.47	0.122627	0.45286	TBL19	protein trichome birefringence-like 19
13343778	3.42	3.99	-1.49	0.089173	0.426152	GH9B6	endoglucanase 4
13355579	3.42	4.03	-1.52	0.354883	0.584465	YSL7	putative metal-nicotianamine transporter YSL7
13505618	3.42	4.04	-1.53	0.02835	0.345846	CYCA2;1	cyclin a2;1
13535171	3.42	4.05	-1.54	0.220999	0.522222	AT5G43950	hypothetical protein
13531564	3.42	4.05	-1.55	0.104941	0.43719	RECQSIM	RECQ helicase SIM
13468469	3.42	4.08	-1.58	0.31609	0.568464	AT4G14380	hypothetical protein
13407606	3.42	4.12	-1.63	0.428791	0.622487	AT2G03821	hypothetical protein
13517631	3.42	4.22	-1.74	0.088158	0.424413	AT5G60730	Anion-transporting ATPase
13519164	3.42	4.24	-1.76	0.019414	0.321499	NPH3	root phototropism protein 3
13449892	3.42	4.28	-1.82	0.07842	0.414078	AT3G15670	late embryogenesis abundant domain-containing protein
13422547	3.42	4.34	-1.89	0.142329	0.468511	NF-YB5	nuclear transcription factor Y subunit B-5
13524341	3.42	4.61	-2.28	0.248619	0.53653	AT5G10420	MATE efflux family protein
13408040	3.42	4.71	-2.44	0.269657	0.547986	AT2G05786	hypothetical protein
13434283	3.42	5.06	-3.11	0.108689	0.440715	AT3G28310	hypothetical protein
13345173	3.42	5.32	-3.74	0.337308	0.577005	AT1G27565	hypothetical protein
13408466	3.42	6.58	-8.92	0.356756	0.584799	AT2G10557	hypothetical protein
13532508	3.42	7.18	-13.55	0.036662	0.359695	CYP716A2	cytochrome P450, family 716, subfamily A, polypeptide 2
13441787	3.41	2.63	1.72	0.116355	0.446833	AT3G60490	ethylene-responsive transcription factor ERF035
13433843	3.41	2.68	1.66	0.267451	0.546492	AT3G27270	TRAM, LAG1 and CLN8 (TLC) lipid-sensing domain containing protein
13466485	3.41	2.84	1.48	0.513685	0.674772	AT4G08878	major facilitator protein
13457697	3.41	3.09	1.24	0.431259	0.623788	AT3G49142	tetratricopeptide repeat-like family protein
13387123	3.41	3.11	1.23	0.483949	0.654233	SS3	strictosidine synthase 3
13508474	3.41	3.11	1.23	0.366103	0.590066	AT5G39800	Mitochondrial ribosomal protein L27
13537232	3.41	3.18	1.17	0.424992	0.620259	LPA66	pentatricopeptide repeat-containing protein
13536501	3.41	3.24	1.12	0.438038	0.628329	AT5G47229	hypothetical protein
13404145	3.41	3.32	1.07	0.778388	0.855751	LSH10	hypothetical protein

13362624	3.41	3.32	1.06	0.662628	0.77613	AT1G03020	monothiol glutaredoxin-S1
13341769	3.41	3.44	-1.02	0.874431	0.92235	AT1G18485	pentatricopeptide repeat-containing protein
13403725	3.41	3.56	-1.1	0.310091	0.566973	AT2G41400	Pollen Ole e 1 allergen and extensin family protein
13453837	3.41	3.58	-1.12	0.450338	0.635655	CYP71B21	cytochrome P450 71B21
13527292	3.41	3.57	-1.12	0.520746	0.679408	AT5G17200	polygalacturonase
13535203	3.41	3.59	-1.13	0.72885	0.822261	AT5G44010	hypothetical protein
13363299	3.41	3.72	-1.24	0.148868	0.471967	AT1G04650	hypothetical protein
13402397	3.41	3.82	-1.33	0.2576	0.541251	LP1	non-specific lipid-transfer protein 1
13519825	3.41	3.97	-1.47	0.35329	0.583612	PCK2	phosphoenolpyruvate carboxykinase 2
13534654	3.41	3.98	-1.49	0.046752	0.377465	AT5G42785	hypothetical protein
13386494	3.41	4.02	-1.52	0.225103	0.524988	GER1; AT1G72600	germin-like protein subfamily 3 member 1; hydroxyproline-rich glycoprotein family protein
13365511	3.41	4.03	-1.54	0.394408	0.602714	AT1G09170	calponin homology and kinesin motor domain-containing protein
13502427	3.41	4.09	-1.61	0.058062	0.392874	MYB9	myb domain protein 9
13430925	3.41	4.25	-1.79	0.048377	0.37767	AT3G20160	geranylgeranyl diphosphate synthase 10
13347593	3.41	4.27	-1.82	0.212189	0.517359	AT1G33925	hypothetical protein
13426729	3.41	4.34	-1.89	0.023087	0.330115	AT3G11110	RING-H2 finger protein ATL66
13378733	3.41	4.37	-1.94	0.160859	0.483101	AT1G52565	hypothetical protein
13475300	3.41	4.42	-2.01	0.018048	0.319749	AT4G29610	cytidine/deoxycytidylate deaminase-like protein
13400906	3.41	4.65	-2.35	0.506148	0.669645	AT2G35070	hypothetical protein
13497428	3.41	4.73	-2.51	0.007455	0.2896	NAMT1	S-adenosyl-L-methionine-dependent methyltransferase-like protein
13458598	3.41	4.74	-2.51	0.104301	0.4366	F3H	Naringenin,2-oxoglutarate 3-dioxygenase
13493899	3.41	4.76	-2.56	0.011768	0.301412	SERAT3;2; PSAT	serine acetyltransferase 4; phosphoserine aminotransferase
13417008	3.41	4.78	-2.59	0.037431	0.360894	EDA18	embryo sac development arrest 18 protein
13379105	3.41	4.92	-2.85	0.025737	0.33601	AT1G53541	hypothetical protein
13538232	3.41	5.25	-3.59	0.012826	0.304248	AT5G51270	U-box domain-containing protein 53
13472022	3.41	5.42	-4.04	0.003759	0.256913	AT4G22217	defensin-like protein 100
13512495	3.41	5.44	-4.09	0.377703	0.594163	AT5G49130	mate efflux domain-containing protein
13417201	3.4	2.29	2.16	0.246868	0.535608		
13382592	3.4	2.35	2.07	0.111511	0.443023	UGE3	UDP-glucose 4-epimerase
13517220	3.4	2.62	1.71	0.073961	0.410257	AT5G59845	gibberellin-regulated protein
13541563	3.4	2.64	1.7	0.110719	0.441993	LAC17	laccase 17
13511010	3.4	2.71	1.61	0.272801	0.549686	RABA1c	Ras-related protein RABA1c
13403562	3.4	2.73	1.59	0.275228	0.550583	AT2G41082	hypothetical protein
13376204	3.4	2.75	1.58	0.194009	0.505856	AT1G43980	pentatricopeptide repeat-containing protein-like protein
13433545	3.4	2.85	1.46	0.08737	0.423161	AT3G26490	Phototropic-responsive NPH3 family protein
13440684	3.4	2.96	1.36	0.55639	0.703623	AT3G57720	putative protein kinase
13388245	3.4	3.12	1.21	0.188443	0.502787	AT1G76720	translation initiation factor eIF-5B
13380400	3.4	3.19	1.16	0.630602	0.754197	AT1G56345	RNA pseudourine synthase 1
13384490	3.4	3.18	1.16	0.252739	0.538805	ASY1	DNA-binding HORMA-like protein
13346370	3.4	3.32	1.06	0.566911	0.710827	EMB2279	pentatricopeptide repeat-containing protein
13345822	3.4	3.54	-1.1	0.381152	0.596401	AT1G29355	hypothetical protein
13499623	3.4	3.55	-1.11	0.793084	0.866187	AT5G09570	Cox19-like CHCH family protein

13483564	3.4	3.57	-1.12	0.405026	0.609014	AT4G12400	putative stress-inducible protein
13545587	3.4	3.56	-1.12	0.698255	0.80131	GSTF8; AT2G47720	glutathione S-transferase 6; hypothetical protein
13539467	3.4	3.62	-1.17	0.030664	0.350098	SESA5	seed storage albumin 5
13371531	3.4	3.67	-1.2	0.766043	0.847127	AT1G23205	plant invertase/pectin methylesterase inhibitor domain-containing protein
13347801	3.4	3.73	-1.26	0.066073	0.403288	PS1	forkhead-associated (FHA) domain-containing protein
13539884	3.4	3.75	-1.28	0.33255	0.576298	AT5G55893	hypothetical protein
13479006	3.4	3.78	-1.3	0.300067	0.563079	AT4G38070	basic helix-loop-helix domain-containing protein
13363660	3.4	3.82	-1.34	0.158426	0.481067	emb2394	50S ribosomal protein L6
13347025	3.4	3.92	-1.43	0.156249	0.478985	AT1G32250	putative calcium-binding protein CML17
13349770	3.4	3.94	-1.45	0.049285	0.378687	AT1G48912	hypothetical protein
13421812	3.4	4.06	-1.58	0.03056	0.350098	AT2G45900	Phosphatidylinositol N-acetyglucosaminlytransferase subunit P-like protein
13349052	3.4	4.11	-1.63	0.002105	0.253459	LHCA5; AT1G45545	photosystem I light harvesting complex protein 5; hypothetical protein
13388949	3.4	4.11	-1.63	0.029001	0.347855	NCED9	9-cis-epoxycarotenoid dioxygenase NCED9
13401851	3.4	4.1	-1.63	0.105268	0.43719	RD28	aquaporin PIP2-3
13515951	3.4	4.13	-1.66	0.506689	0.669998	AT5G56920	cystatin-related protein
13367502	3.4	4.16	-1.69	0.144741	0.470007	AT1G13490	hypothetical protein
13545635	3.4	4.16	-1.69	0.083327	0.417856	AT4G22870; LDOX	leucoanthocyanidin dioxygenase
13411234	3.4	4.23	-1.78	0.43579	0.626947	TIM	triosephosphate isomerase
13487013	3.4	4.27	-1.83	0.327958	0.574416	AT4G19730	glycosyl hydrolase family 18 protein
13398908	3.4	4.49	-2.13	0.006864	0.285606	AT2G30150	UDP-glucoronosyl/UDP-glucosyl transferase family protein
13485175	3.4	4.55	-2.21	0.263631	0.544692	AT4G15980	pectinesterase 43
13377623	3.4	4.57	-2.25	0.024127	0.332187		
13542236	3.4	4.87	-2.78	0.022998	0.330115	AT5G61660	glycine-rich protein
13383283	3.4	5.01	-3.05	0.098967	0.433702	G-TMT	tocopherol O-methyltransferase
13397835	3.4	6.44	-8.22	0.079481	0.414177	EPR1	proline-rich extensin-like protein EPR1
13478825	3.39	2.79	1.51	0.167682	0.48688	AT4G37560	formamidase
13411083	3.39	2.86	1.45	0.046938	0.377465	NDB4	NAD(P)H dehydrogenase B4
13425277	3.39	3.02	1.29	0.083252	0.417856	AT3G06950	tRNA pseudouridine synthase A
13498969	3.39	3.01	1.29	0.285848	0.556682	AT5G07780	formin-like protein 19
13351521	3.39	3.11	1.22	0.292445	0.559559	AT1G53163	hypothetical protein
13364205	3.39	3.12	1.21	0.29887	0.562461	AT1G06440	ubiquitin carboxyl-terminal hydrolase-like protein
13417689	3.39	3.13	1.2	0.379691	0.595361	ProT3	proline transporter 3
13534083	3.39	3.2	1.14	0.616458	0.744389	AT5G41120	Esterase/lipase/thioesterase family protein
13533385	3.39	3.27	1.09	0.303583	0.564262	AGL77	protein agamous-like 77
13342557	3.39	3.32	1.05	0.736904	0.827705	AT1G20230	pentatricopeptide repeat-containing protein
13335071	3.39	3.37	1.02	0.940008	0.963918	WEE1	Wee1-like protein kinase
13447377	3.39	3.37	1.02	0.969407	0.982154	AT3G10405	hypothetical protein
13456681	3.39	3.41	-1.01	0.943976	0.966565	HSP17.4	heat shock protein 17.4
13530323	3.39	3.48	-1.07	0.824338	0.887895	ATXR6	histone-lysine N-methyltransferase ATXR6
13370798	3.39	3.55	-1.11	0.810977	0.878969	AT1G21280; WAK2	hypothetical protein; wall-associated receptor kinase 2

13394003	3.39	3.55	-1.11	0.412124	0.613209	AT2G17940	hypothetical protein
13529088	3.39	3.57	-1.14	0.290017	0.558181	emb1379	embryo defective 1379 protein
13434244	3.39	3.59	-1.15	0.637305	0.758609	PMZ	zinc finger AN1 domain-containing stress-associated protein 12
13445268	3.39	3.61	-1.16	0.075796	0.410503	STP6	sugar transport protein 6
13347979	3.39	3.69	-1.23	0.615845	0.743955	AT1G35183	hypothetical protein
13495557	3.39	3.82	-1.36	0.093592	0.430403	GH9B18	endoglucanase 24
13494202	3.39	3.88	-1.41	0.17273	0.490135	STY2	Lateral root primordium (LRP) protein-related
13518005	3.39	3.92	-1.44	0.098193	0.433275	ATH16	ABC transporter A family member 12
13467346	3.39	3.93	-1.46	0.248678	0.536531	AT4G11180	disease resistance-responsive, dirigent domain-containing protein
13358460	3.39	4	-1.53	0.491097	0.659107	AT1G72790	hydroxyproline-rich glycoprotein family protein
13391400	3.39	4.01	-1.53	0.138036	0.46568	AT2G03938	hypothetical protein
13447726	3.39	4.1	-1.64	0.346713	0.58045	AT3G11150	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase domain-containing protein
13444760	3.39	4.12	-1.67	0.580772	0.720652	AT3G04997	hypothetical protein
13415964	3.39	4.29	-1.87	0.199477	0.508877	RLP23	receptor like protein 23
13498646	3.39	4.31	-1.89	0.155309	0.478104	ATS3	embryo-specific protein 3
13520408	3.39	4.42	-2.04	0.280155	0.55409	HEC1	transcription factor HEC1
13452744	3.39	4.45	-2.09	0.158187	0.480659	AT3G22910	Ca2+-transporting ATPase
13471029	3.39	4.58	-2.27	0.076933	0.411576	AAH	allantoate deiminase
13411212	3.39	4.61	-2.33	0.169925	0.48812	AT2G21110	Disease resistance-responsive (dirigent-like protein) family protein
13486867	3.39	4.63	-2.36	0.247228	0.535874	AT4G19380	Long-chain-alcohol oxidase FAO4A
13545359	3.39	4.71	-2.51	0.398763	0.605002	ArthMp091	hypothetical protein
13537334	3.39	4.95	-2.94	0.04914	0.378186	SHV2	COBRA-like protein 9
13376727	3.39	5.34	-3.85	0.347191	0.58045	AT1G47946	hypothetical protein
13413216	3.39	5.37	-3.93	0.022163	0.326278	AT2G26380	Leucine-rich repeat-containing protein
13545317	3.39	5.81	-5.34	0.421912	0.618195	ArthMp069	hypothetical protein
13390946	3.38	2.69	1.61	0.337876	0.57729	AT2G02700	cysteine/histidine-rich C1 domain-containing protein
13487448	3.38	2.98	1.32	0.412555	0.61329	emb1417; ATERDJ2B	pentatricopeptide repeat-containing protein; DnaJ / Sec63 Brl domains-containing protein
13453906	3.38	2.98	1.31	0.402318	0.607024	AT3G26390	hypothetical protein
13413207	3.38	3.03	1.28	0.102908	0.435908	AT2G26360	Mitochondrial substrate carrier family protein
13382520	3.38	3.04	1.27	0.346795	0.58045	NRPD1A	nuclear RNA polymerase D1A
13410945	3.38	3.13	1.18	0.134793	0.463265	AT2G20560	DNAJ heat shock protein-like protein
13391803	3.38	3.23	1.1	0.184103	0.498817	AT2G05350	hypothetical protein
13531834	3.38	3.43	-1.03	0.925365	0.955002	AT5G28590	DNA-binding family protein
13521625	3.38	3.44	-1.04	0.835793	0.896282		
13471438	3.38	3.47	-1.06	0.76092	0.843457	BRCA1	protein BREAST CANCER SUSCEPTIBILITY 1-like protein
13515944	3.38	3.59	-1.16	0.232027	0.528375	AT5G56910	proteinase inhibitor I25, cystatin, conserved region-containing protein
13397646	3.38	3.63	-1.19	0.319324	0.570181	CAM5; CAM3; CAM2	calmodulin 5; calmodulin 3; calmodulin 2

13413783	3.38	3.66	-1.21	0.397227	0.604224	AT2G27430	armadillo/beta-catenin-like repeat-containing protein
13370884	3.38	3.85	-1.38	0.121984	0.452662	AT1G21475	hypothetical protein
13457753	3.38	3.88	-1.42	0.572	0.714139	AT3G49300	proline-rich family protein
13539192	3.38	3.93	-1.47	0.206437	0.513094	AT5G53990	UDP-glycosyltransferase-like protein
13479913	3.38	4.03	-1.57	0.226026	0.524988	AT4G00165	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13392562	3.38	4.05	-1.59	0.082904	0.417856	MGDC	Monogalactosyldiacylglycerol synthase 3
13495782	3.38	4.12	-1.68	0.132787	0.462428	AT4G39610	hypothetical protein
13357877	3.38	4.22	-1.79	0.000763	0.214003	AT1G71500	Rieske (2Fe-2S) domain-containing protein
13430331	3.38	4.24	-1.82	0.024519	0.333211	AT3G18950	transducin/WD40 domain-containing protein
13505423	3.38	4.47	-2.13	0.340847	0.578363	AT5G24790	hypothetical protein
13420890	3.38	4.59	-2.32	0.031818	0.352572	AT2G43620	chitinase-like protein
13455191	3.38	4.69	-2.49	0.371443	0.591914	AT3G29560	hypothetical protein
13467977	3.38	4.72	-2.53	0.365939	0.590066	AT4G12950	Fasciclin-like arabinogalactan family protein
13455011	3.38	5.09	-3.28	0.125269	0.454331	AT3G29036	hypothetical protein
13432332	3.38	5.17	-3.45	0.030587	0.350098	AT3G23530	Cyclopropane-fatty-acyl-phospholipid synthase
13499833	3.38	5.17	-3.47	0.012567	0.301412	AT5G10100	haloacid dehalogenase-like hydrolase domain-containing protein
13370721	3.38	5.6	-4.68	0.003008	0.253459	AT1G20990	DC1 domain-containing protein
13450088	3.38	5.62	-4.74	0.000918	0.234355	PSAH-1; ROPGEF13	photosystem I reaction center subunit VI-1; RHO guanyl-nucleotide exchange factor 13
13461276	3.38	5.64	-4.79	0.014897	0.313095	AT3G57540	Remorin family protein
13406466	3.38	5.73	-5.08	0.358127	0.58567	AT2G47870	putative glutaredoxin-C12
13545633	3.38	5.76	-5.21	0.244248	0.534851	AT4G20470; AT4G20460	hypothetical protein; putative UDP-arabinose 4-epimerase 3
13338751	3.37	2.78	1.51	0.176126	0.492524	AT1G11300	G-type lectin S-receptor-like serine/threonine-protein kinase
13355945	3.37	2.78	1.51	0.297264	0.56231	AT1G66820	glycine-rich protein
13446683	3.37	2.97	1.32	0.097819	0.433275	AT3G09080	transducin/WD40 domain-containing protein
13457066	3.37	2.98	1.32	0.470111	0.646758	AT3G47250	hypothetical protein
13440398	3.37	3	1.29	0.470047	0.646758	AT3G57062	hypothetical protein
13468368	3.37	3.02	1.28	0.01219	0.301412	AT4G14120	hypothetical protein
13376500	3.37	3.04	1.26	0.355886	0.584638	AT1G45230	hypothetical protein
13472571	3.37	3.14	1.18	0.005239	0.271751	AT4G23870	hypothetical protein
13535891	3.37	3.13	1.18	0.617584	0.745204	AT5G45650	subtilase family protein
13541287	3.37	3.21	1.12	0.627733	0.751739	OTP80	pentatricopeptide repeat-containing protein
13456569	3.37	3.27	1.08	0.632042	0.754867	AT3G45880	phospholipase - like protein
13339692	3.37	3.26	1.07	0.563608	0.708394	AT1G13609	defensin-like protein 287
13446345	3.37	3.33	1.03	0.593657	0.72895	AT3G07920	Translation initiation factor IF2/IF5
13508689	3.37	3.35	1.02	0.94223	0.965477	AT5G40400	pentatricopeptide repeat-containing protein
13458327	3.37	3.39	-1.02	0.957605	0.974933	AT3G50560	Rossmann-fold NAD(P)-binding domain-containing protein
13433054	3.37	3.5	-1.09	0.821726	0.885907	AT3G25280	major facilitator protein
13516801	3.37	3.49	-1.09	0.059673	0.395062	AT5G58660	oxidoreductase, 2OG-Fe(II) oxygenase family protein
13346447	3.37	3.6	-1.17	0.48551	0.655211	AT1G30690	patellin-4
13458339	3.37	3.61	-1.18	0.201858	0.510189	AT3G50580	hypothetical protein

13487302	3.37	3.64	-1.21	0.288543	0.557599	AT4G20810	transcription initiation factor IIE (TFIIE) alpha subunit protein
13407698	3.37	3.66	-1.22	0.678638	0.787327	AT2G04170	TRAF-like family protein
13481445	3.37	3.69	-1.25	0.368229	0.590932	AT4G03470	ankyrin repeat-containing protein
13400028	3.37	3.75	-1.3	0.505847	0.669319	SUMO5	small ubiquitin-related modifier 5
13340073	3.37	3.77	-1.32	0.246002	0.535608	AT1G14550	peroxidase 5
13466167	3.37	3.78	-1.33	0.706844	0.807245	AT4G07408	hypothetical protein
13364542	3.37	3.84	-1.39	0.045878	0.376634	AT1G07120	hypothetical protein
13514832	3.37	3.9	-1.44	0.380781	0.596106	PTAC15	plastid transcriptionally active 15 protein
13476374	3.37	3.93	-1.47	0.173098	0.490394	CYP96A2	cytochrome P450, family 96, subfamily A, polypeptide 2
13419309	3.37	3.94	-1.49	0.422159	0.618386	GEA6	Em-like protein GEA6
13424643	3.37	3.96	-1.51	0.026034	0.337071	RAD9	cell cycle checkpoint control-like protein
13405370	3.37	3.98	-1.53	0.325085	0.573167	LBD18	LOB domain-containing protein 18
13542189	3.37	4.13	-1.7	0.4628	0.64302	AT5G61495; AT5G61490	hypothetical protein
13372603	3.37	4.18	-1.74	0.084329	0.418249	MES13	methyl esterase 13
13378729	3.37	4.18	-1.75	0.078497	0.414078	AT1G52560	HSP20-like chaperone
13495899	3.37	4.21	-1.79	0.319178	0.570099	AT4G39930	hypothetical protein
13463854	3.37	4.29	-1.89	0.112932	0.444045	AT4G00130	DNA-binding storekeeper protein-related transcriptional regulator
13339659	3.37	4.57	-2.29	0.169568	0.48788	ST4B	sulfotransferase 4B
13533558	3.37	4.73	-2.57	0.007086	0.287755	AT5G39520; SGR4	hypothetical protein; vesicle transport v-SNARE 11
13537904	3.37	4.91	-2.91	0.341825	0.578744	NF-YC7	nuclear transcription factor Y subunit C-7
13352238	3.37	5.71	-5.07	0.006965	0.285606	TLP18.3	thylakoid lumen 18.3 kDa protein
13342765	3.36	2.13	2.35	0.19426	0.505856	XCP2	Xylem cysteine proteinase 2
13353733	3.36	2.22	2.21	0.006265	0.280665	AT1G60130	jacalin-like lectin domain-containing protein
13412527	3.36	2.45	1.88	0.196063	0.507008	GLR2.3	glutamate receptor 2.3
13488192	3.36	2.6	1.69	0.006407	0.282486	AT4G22790	mate efflux domain-containing protein
13491955	3.36	2.61	1.68	0.081605	0.416797	CTF7	N-acetyltransferase
13522528	3.36	2.98	1.3	0.575181	0.716451	AT5G05990; PRA1.A2	Mitochondrial glycoprotein family protein; PRA1 family protein A2
13482799	3.36	3.01	1.28	0.376584	0.593412	AT4G10400	F-box protein
13473330	3.36	3.04	1.25	0.17043	0.488581	AT4G25300	protein SRG1
13435530	3.36	3.14	1.17	0.349681	0.581405	AT3G44716	hypothetical protein
13335856	3.36	3.26	1.07	0.591899	0.727981	LIP2	lipoyl(octanoyl) transferase
13338767	3.36	3.3	1.04	0.809161	0.877733	AT1G11320	hypothetical protein
13425877	3.36	3.37	-1.01	0.92736	0.956048	AT3G08920	rhodanese-like domain-containing protein
13523745	3.36	3.43	-1.05	0.919004	0.95108	AT5G09240; SRT2	ssDNA-binding transcriptional regulator; sirtuin 2
13535130	3.36	3.43	-1.05	0.682203	0.78945	YUC5	YUCCA family monooxygenase
13352620	3.36	3.43	-1.06	0.877314	0.924539	sks12	protein SKU5 similar 12
13370270	3.36	3.44	-1.06	0.804984	0.874678	TUB5	tubulin beta-5 chain
13468185	3.36	3.49	-1.09	0.680157	0.788336	AT4G13540	hypothetical protein
13471900	3.36	3.53	-1.12	0.484193	0.654355	AT4G21880	pentatricopeptide repeat-containing protein
13458035	3.36	3.58	-1.17	0.266252	0.546291	AT3G49900; AT3G49890	Phototropic-responsive NPH3 family protein; hypothetical protein
13462519	3.36	3.66	-1.23	0.679183	0.787691	AT3G60670	PLATZ transcription factor family protein
13377243	3.36	3.67	-1.24	0.231248	0.527791	AT1G48870	WD40 domain-containing protein

13423081	3.36	3.67	-1.24	0.399535	0.605391	AT3G01961	hypothetical protein
13450020	3.36	3.72	-1.28	0.082833	0.417856	AT3G15960	mismatched DNA binding / ATP binding protein
13336399	3.36	3.82	-1.37	0.382287	0.597016	AT1G06030	fructokinase
13474536	3.36	3.82	-1.38	0.336316	0.576994	AT4G28085	hypothetical protein
13347259	3.36	3.93	-1.47	0.161573	0.483432	AT1G32950	Subtilase-like protein
13532005	3.36	3.94	-1.49	0.408051	0.610585	AT5G32590	myosin heavy chain-like protein
13345339	3.36	3.97	-1.53	0.067754	0.405735	AT1G27880	ATP-dependent DNA helicase Q-like 5
13440125	3.36	4.14	-1.72	0.167502	0.48688	AT3G56220	transcription regulator
13540409	3.36	4.15	-1.74	0.000358	0.18268	CYP71B10	cytochrome P450 71B10
13418349	3.36	4.18	-1.76	0.054467	0.385908	AT2G37960	hypothetical protein
13432971	3.36	4.2	-1.78	0.124689	0.453788	AT3G25060	pentatricopeptide repeat-containing protein
13391036	3.36	4.22	-1.81	0.037269	0.360697	AT2G03030	Toll-Interleukin-Resistance domain-containing protein
13401279	3.36	4.26	-1.87	0.089836	0.427018	AT2G35820	ureidoglycolate hydrolase
13422217	3.36	4.29	-1.9	0.023412	0.330182	CYP709B2	cytochrome P450, family 709, subfamily B, polypeptide 2
13452604	3.36	4.36	-1.99	0.44929	0.635232	AT3G22490	Seed maturation protein
13353050	3.36	4.44	-2.11	0.21576	0.519638		
13353056	3.36	4.44	-2.11	0.21576	0.519638		
13365975	3.36	4.61	-2.38	0.333853	0.576298	AT1G10000	Ribonuclease H-like protein
13438902	3.36	4.9	-2.91	0.333788	0.576298	AT3G53330	plastocyanin-like domain-containing protein
13351930	3.36	5.14	-3.44	0.119799	0.450785	AT1G54095	hypothetical protein
13454876	3.36	5.78	-5.38	0.015438	0.314853	CYP81D1	cytochrome P450 CYP81D11
13424583	3.36	6.82	-10.96	0.019992	0.322692	AT3G05400	sugar transporter ERD6-like 12
13341614	3.35	2.06	2.44	0.139603	0.466238		
13394630	3.35	2.41	1.91	0.025272	0.335081	AT2G19490	DNA repair protein recA-like 3
13364071	3.35	2.69	1.58	0.011315	0.297771	AT1G06050	hypothetical protein
13365014	3.35	2.88	1.39	0.093095	0.429815	OTP82	pentatricopeptide repeat-containing protein
13385328	3.35	2.88	1.39	0.473537	0.648287	AT1G69380; CM3	hypothetical protein; chorismate mutase 3
13359129	3.35	3.01	1.27	0.298331	0.562461	AT1G74450	hypothetical protein
13341061	3.35	3.09	1.2	0.338272	0.577332	AT1G16830	pentatricopeptide repeat-containing protein
13490474	3.35	3.12	1.17	0.424507	0.61992	GTG2	GPCR-type G protein 2
13453824	3.35	3.15	1.15	0.806684	0.87601	CYP71B17	cytochrome P450 71B17
13441061	3.35	3.19	1.12	0.739815	0.829115	AT3G58800	hypothetical protein
13380500	3.35	3.24	1.08	0.73575	0.827169	AT1G56710	pectin lyase-like protein
13383801	3.35	3.32	1.02	0.943803	0.966472	AT1G65990	peroxiredoxin-2A
13433022	3.35	3.39	-1.03	0.94851	0.969198	AT3G25221	hypothetical protein
13433335	3.35	3.4	-1.03	0.931095	0.957975	AT3G25960	pyruvate kinase
13478059	3.35	3.4	-1.04	0.866286	0.916627	CYCB2;2	cyclin-B2-2
13355124	3.35	3.63	-1.21	0.138501	0.46568	AT1G64540	putative F-box protein
13371333	3.35	3.73	-1.3	0.142725	0.468771	AT1G22570	putative peptide/nitrate transporter
13473876	3.35	3.76	-1.34	0.238527	0.532227	AT4G26520	fructose-bisphosphate aldolase, cytoplasmic isozyme
13542269	3.35	3.77	-1.34	0.192764	0.505579	AT5G61750	germin-like protein subfamily 3 member 4
13466601	3.35	3.79	-1.36	0.098348	0.433275	AT4G09130	putative RING-H2 finger protein ATL37
13485023	3.35	3.92	-1.49	0.362796	0.588492	AT4G15460	glycine-rich protein
13445383	3.35	4.01	-1.58	0.478334	0.651289	NIP7;1	putative aquaporin NIP7-1
13536507	3.35	4.09	-1.66	0.109166	0.440715	AT5G47290	myb family transcription factor
13454710	3.35	4.12	-1.71	0.204888	0.511737	AT3G28193	hypothetical protein

13431455	3.35	4.23	-1.85	0.372795	0.592208	AT3G21352	hypothetical protein
13357531	3.35	4.73	-2.6	0.240498	0.53337	AT1G70640	octicosapeptide/Phox/Be.1 domain-containing protein
13425799	3.35	4.75	-2.64	0.071304	0.408234	AT3G08660	phototropic-responsive NPH3-like protein
13359225	3.35	4.92	-2.96	0.208681	0.514214	AT1G74730	hypothetical protein
13435938	3.35	4.97	-3.06	0.00252	0.253459	AT3G45930; AT1G07820; AT1G07660; AT5G59970; AT5G59690; AT3G53730; AT3G46320; HIS4	histone H4
13482227	3.35	6.35	-7.98	0.023465	0.330182	AT4G08410	Proline-rich extensin-like family protein
13533465	3.34	2.32	2.03	0.15912	0.481599	AT5G39150	germin-like protein subfamily 1 member 17
13399871	3.34	2.59	1.68	0.061104	0.39761	AT2G32450	Calcium-binding tetratricopeptide repeat-containing protein
13412533	3.34	2.67	1.59	0.083205	0.417856	GLR2.2	glutamate receptor 2.2
13375606	3.34	2.73	1.53	0.156218	0.478985	ARF20	auxin response factor 20
13335100	3.34	2.76	1.49	0.008753	0.293015	AT1G03010	Phototropic-responsive NPH3 family protein
13545419	3.34	2.85	1.41	0.57534	0.716524		
13467485	3.34	2.87	1.39	0.491421	0.659295	CRK32	putative cysteine-rich receptor-like protein kinase 32
13536610	3.34	2.87	1.38	0.04579	0.376634	AT5G47580	hypothetical protein
13500213	3.34	2.88	1.38	0.086675	0.422315	AT5G11170; AT5G11200	DEAD-box ATP-dependent RNA helicase 56
13529621	3.34	2.88	1.38	0.19395	0.505856		
13444162	3.34	2.91	1.35	0.318205	0.569548	AT3G03590	SWIB/MDM2 domain-containing protein
13345776	3.34	2.96	1.3	0.304463	0.564973	PEX7	peroxin 7
13453517	3.34	3.04	1.23	0.751252	0.83709	AT3G25090	F-box associated ubiquitination effector-like protein
13517189	3.34	3.05	1.22	0.048829	0.377942	AT5G59750	GTP cyclohydrolase II
13517186	3.34	3.13	1.15	0.733481	0.825625	EXO70H7	exocyst subunit exo70 family protein H7
13437495	3.34	3.21	1.1	0.909774	0.945259	AT3G49630	2-oxoglutarate-Fe(II)-dependent oxygenase domain-containing protein
13520234	3.34	3.23	1.08	0.006453	0.282486	AT5G66631	pentatricopeptide repeat-containing protein
13455039	3.34	3.28	1.05	0.737755	0.828049	VTI13	vesicle transport V-snare 13
13455839	3.34	3.28	1.04	0.814156	0.881143	AT3G43829	hypothetical protein
13452351	3.34	3.31	1.02	0.892119	0.933616	AT3G21620	early-responsive to dehydration stress-related protein
13524003	3.34	3.38	-1.03	0.844196	0.901706	HEC3	transcription factor HEC3
13381064	3.34	3.41	-1.05	0.680376	0.788339	CRR28; AT1G59710	pentatricopeptide repeat-containing protein; hypothetical protein
13398529	3.34	3.42	-1.06	0.147398	0.471394	AT2G29260	tropine dehydrogenase
13459810	3.34	3.48	-1.1	0.334537	0.576584	AT3G54270	putative sucrose-phosphatase 3a
13528367	3.34	3.49	-1.11	0.450861	0.635828	AT5G19700	MATE efflux family protein
13535760	3.34	3.51	-1.12	0.090238	0.427018	AT5G45320	hypothetical protein
13358938	3.34	3.54	-1.15	0.1569	0.479551	CLE13	protein CLAVATA3/ESR-related 13
13378750	3.34	3.57	-1.17	0.663062	0.776281		
13473187	3.34	3.61	-1.21	0.662422	0.775984	AT4G24975	self-incompatibility S1 family protein
13536796	3.34	3.68	-1.27	0.143308	0.469064	TT10	laccase-15

13374431	3.34	3.71	-1.29	0.594137	0.729261	ZIP10	putative zinc transporter 10
13484077	3.34	3.82	-1.4	0.34201	0.578823	UNE15	late embryogenesis abundant domain-containing protein
13362876	3.34	3.89	-1.46	0.182828	0.497692	AT1G03730	hypothetical protein
13469530	3.34	3.91	-1.48	0.056917	0.391165	AT4G16400; AT4G16410	hypothetical protein
13364484	3.34	3.95	-1.52	0.379794	0.595417	AT1G07025	Mitochondrial substrate carrier family protein
13487567	3.34	4	-1.58	0.090226	0.427018	STP12	sugar transporter protein 12
13386922	3.34	4.04	-1.62	0.225489	0.524988	AT1G73560	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13525368	3.34	4.09	-1.68	0.245325	0.535223	AT5G12920	transducin/WD40 domain-containing protein
13372460	3.34	4.16	-1.76	0.23513	0.529705	AT1G26140	hypothetical protein
13497910	3.34	4.16	-1.77	0.391373	0.60073	SYN1	Sister chromatid cohesion 1 protein 1
13409388	3.34	4.36	-2.03	0.355551	0.584538	AT2G16668	hypothetical protein
13431557	3.34	4.41	-2.11	0.178964	0.494636	UGT71B1	UDP-glucosyl transferase 71B1
13366961	3.34	4.42	-2.12	0.180237	0.495833	ELP	extensin-like protein
13419820	3.34	4.48	-2.2	0.058174	0.392965	AT2G41473	F-box family protein
13520654	3.34	6.13	-6.95	0.008551	0.293015	LAC8; AT5G01030	laccase 8; hypothetical protein
13382333	3.33	2.64	1.62	0.245351	0.535223	AT1G62420	hypothetical protein
13370685	3.33	2.64	1.61	0.05833	0.393329	CDKB2;2	cyclin-dependent kinase B2-2
13375878	3.33	2.74	1.51	0.091749	0.429207	AT1G36950	RING/U-box domain-containing protein
13530069	3.33	2.98	1.28	0.260874	0.542969	AT5G23930	Mitochondrial transcription termination factor family protein
13370081	3.33	2.99	1.26	0.53731	0.690527	PDF1.4	defensin-like protein 19
13388407	3.33	3.03	1.23	0.128606	0.458836	AT1G77122	hypothetical protein
13355464	3.33	3.1	1.17	0.554493	0.70256	AT1G65352	defensin-like protein 266
13460415	3.33	3.13	1.15	0.361201	0.5879	AT3G55490; TTN10	GINS complex protein
13405616	3.33	3.14	1.14	0.608287	0.738256	AT2G46050	pentatricopeptide repeat-containing protein
13407928	3.33	3.13	1.14	0.577515	0.717699	SCRL9	putative defensin-like protein 243
13535754	3.33	3.19	1.1	0.744565	0.83223	AT5G45310	hypothetical protein
13383741	3.33	3.25	1.06	0.397474	0.604424	NAC028	NAC domain containing protein 28
13542803	3.33	3.29	1.03	0.971667	0.983421	AT5G63168	hypothetical protein
13343687	3.33	3.31	1.02	0.737853	0.828068	AT1G23050	hydroxyproline-rich glycoprotein family protein
13378161	3.33	3.4	-1.05	0.767893	0.848455	AT1G51330	Serine protease inhibitor (SERPIN) family protein
13512019	3.33	3.42	-1.06	0.223354	0.524399	AT5G48060	C2 calcium/lipid-binding and phosphoribosyltransferase C-terminal domain-containing protein
13428204	3.33	3.46	-1.09	0.162664	0.484818	CYP72A10	cytochrome P450, family 72, subfamily A, polypeptide 10
13375777	3.33	3.47	-1.1	0.277213	0.551897	AT1G35900	hypothetical protein
13365634	3.33	3.5	-1.12	0.284409	0.556165	AT1G09400; AT1G09390	putative 12-oxophytodienoate reductase-like protein 1; GDSL esterase/lipase
13427626	3.33	3.49	-1.12	0.710139	0.809391	AT3G13420	hypothetical protein
13453795	3.33	3.5	-1.12	0.742237	0.830769	AT3G25970	pentatricopeptide repeat-containing protein
13465786	3.33	3.53	-1.14	0.049564	0.378802	KEA3	K+ efflux antiporter 3
13377731	3.33	3.58	-1.19	0.563553	0.708388	AT1G50090	branched-chain amino acid aminotransferase

13542899	3.33	3.69	-1.28	0.028095	0.344954	AT5G63390	O-fucosyltransferase family protein
13348094	3.33	3.69	-1.28	0.260988	0.543005	AT1G35530	fanconi anemia group M protein
13456144	3.33	3.69	-1.29	0.151947	0.474139	AT3G44784	hypothetical protein
13495734	3.33	3.71	-1.3	0.52221	0.680524	AT4G39470	tetratricopeptide repeat domain-containing protein
13483805	3.33	3.81	-1.39	0.052848	0.383093	AT4G13000	AGC (cAMP-dependent, cGMP-dependent and protein kinase C) kinase family protein
13510630	3.33	3.9	-1.48	0.031797	0.352572	AT5G44770	cysteine/histidine-rich C1 domain-containing protein
13528321	3.33	3.89	-1.48	0.457533	0.639495	AT5G19580	glyoxal oxidase-related protein
13402788	3.33	3.94	-1.52	0.503354	0.667504	AT2G39520	hypothetical protein
13435290	3.33	3.95	-1.53	0.368514	0.590997	AT3G44006	hypothetical protein
13352253	3.33	3.95	-1.54	0.64894	0.766531	NF-YC3	nuclear transcription factor Y subunit C-3
13416959	3.33	3.97	-1.55	0.051402	0.382129	MEE25	UDP-arabinose 4-epimerase
13471740	3.33	4.04	-1.64	0.061815	0.398248	ENDO3	endonuclease 3
13491541	3.33	4.07	-1.67	0.420026	0.617243	AT4G30370	RING-H2 finger protein ATL14
13532981	3.33	4.08	-1.69	0.155783	0.478792		
13487161	3.33	4.1	-1.7	0.00512	0.270635	AT4G20190	hypothetical protein
13449401	3.33	4.25	-1.89	0.048951	0.377942	ATPMEPCRC	pectinesterase 26
13487734	3.33	4.61	-2.42	0.173424	0.49082	MSRB8	peptide methionine sulfoxide reductase B8
13542308	3.33	4.65	-2.5	0.022191	0.326278	AT5G61890	ethylene-responsive transcription factor ERF114
13455392	3.33	4.72	-2.63	0.249693	0.537218	AT3G31401	hypothetical protein
13520312	3.33	5.14	-3.51	0.0244	0.333062	AT5G66780	hypothetical protein
13491849	3.32	2.56	1.69	0.383916	0.597749	AT4G31070	pentatricopeptide repeat-containing protein
13445458	3.32	2.61	1.64	0.274208	0.550583	AT3G06310	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex 8
13384169	3.32	2.84	1.4	0.121427	0.452303	AT1G67000	protein kinase-like protein
13375903	3.32	2.97	1.27	0.558446	0.704883	HCS2	holocarboxylase synthetase 2
13406687	3.32	3.05	1.2	0.052875	0.383093	AT2G01175	hypothetical protein
13382961	3.32	3.06	1.19	0.22867	0.526466	AtMYB103	myb domain protein 103
13376315	3.32	3.15	1.13	0.589713	0.726828	AT1G44478	Cyclophilin
13433627	3.32	3.23	1.06	0.643804	0.762644	CCB1	cofactor assembly of complex C
13442847	3.32	3.26	1.04	0.720794	0.816909	AT3G63090	ubiquitin carboxyl-terminal hydrolase-like protein
13379484	3.32	3.31	1.01	0.980528	0.988447	AT1G54385	ARM repeat-containing protein
13388118	3.32	3.38	-1.04	0.591218	0.727487	PHT1;9	putative inorganic phosphate transporter 1-9
13529314	3.32	3.39	-1.04	0.657578	0.773223	AT5G22310	hypothetical protein
13536953	3.32	3.42	-1.07	0.575746	0.716779	AT5G48420	hypothetical protein
13379082	3.32	3.44	-1.09	0.652221	0.769299	MUM4	UDP-glucose 4,6-dehydratase
13375343	3.32	3.55	-1.17	0.350705	0.582019	OHP2; MES14	one-helix protein 2; methyl esterase 14
13343709	3.32	3.56	-1.18	0.210039	0.515325	RALFL2	protein RALF-like 2
13454245	3.32	3.67	-1.28	0.399979	0.605797	TOM20-1	mitochondrial import receptor subunit TOM20-1
13454546	3.32	3.7	-1.3	0.007296	0.288531	RCK	rock-N-rollers protein
13495367	3.32	3.85	-1.44	0.164784	0.485884	AT4G38710	glycine-rich protein
13471611	3.32	3.87	-1.46	0.152776	0.475531	B70	transcription factor bHLH103
13457329	3.32	3.91	-1.51	0.311075	0.566973	CNGC16	cyclic nucleotide gated channel
13534002	3.32	3.93	-1.52	0.009195	0.296261	AT5G40790	hypothetical protein
13334875	3.32	3.97	-1.57	0.096754	0.43273	AT1G02490	hypothetical protein

13494866	3.32	4.02	-1.62	0.076098	0.410503	PSK6	phytosulfokine-beta
13499055	3.32	4.14	-1.76	0.484954	0.654799	E13L3	glucan endo-1,3-beta-glucosidase-like protein 3
13422348	3.32	4.37	-2.07	0.547675	0.697758	AT2G47150	Rossmann-fold NAD(P)-binding domain-containing protein
13365188	3.32	4.83	-2.85	0.009563	0.296261	PSAO	photosystem I subunit O
13460718	3.32	4.83	-2.85	0.042672	0.369737	AT3G56290	hypothetical protein
13532543	3.32	5.04	-3.3	0.322355	0.57158	AT5G36190	hypothetical protein
13518732	3.32	5.11	-3.46	0.266365	0.546291	AT5G63340	hypothetical protein
13454848	3.32	5.15	-3.57	0.029396	0.348027	AT3G28550	Proline-rich extensin-like family protein
13534304	3.32	5.2	-3.68	0.316795	0.568567		
13515078	3.32	5.48	-4.46	0.021086	0.324489	THI1	thiazole biosynthetic enzyme
13528855	3.32	5.99	-6.35	0.040303	0.365591	AT5G20790	hypothetical protein
13350013	3.32	6.14	-7.04	0.016972	0.318314	AT1G49450	WD40 domain-containing protein
13485002	3.31	2.48	1.78	0.044782	0.374597	BARS1	baruol synthase
13414279	3.31	2.56	1.68	0.025567	0.335837	AT2G28690	hypothetical protein
13545461	3.31	2.8	1.42	0.583981	0.723023		
13497765	3.31	2.86	1.36	0.180851	0.496376	AT5G05180	hypothetical protein
13376472	3.31	2.93	1.3	0.168953	0.487519	AT1G45229	hypothetical protein
13428798	3.31	2.93	1.3	0.506662	0.669993	AT3G15750	Yae1 domain-containing protein
13366696	3.31	3.03	1.21	0.449302	0.635232	AT1G11370	putative pectinesterase 56
13508432	3.31	3.03	1.21	0.661408	0.775425	NAC093	NAC domain containing protein 93
13510763	3.31	3.03	1.21	0.0708	0.40759	RTL3	RNAse THREE-like protein 3
13350549	3.31	3.15	1.12	0.592286	0.728205	AT1G50900	Ankyrin repeat family protein
13344900	3.31	3.34	-1.02	0.904122	0.94134	AtHB23	homeobox-leucine zipper protein ATHB-23
13527176	3.31	3.35	-1.03	0.450299	0.635631	AT5G16960	2-alkenal reductase
13344026	3.31	3.36	-1.04	0.880906	0.927093	AT1G24090	RNase H domain-containing protein
13383138	3.31	3.37	-1.04	0.911052	0.946208	AT1G64583	tetratricopeptide repeat-like protein
13493226	3.31	3.43	-1.09	0.570435	0.713022	AT4G33830	Glycosyl hydrolase family 10 protein
13537179	3.31	3.44	-1.09	0.729752	0.823015	ICK6	cyclin-dependent kinase inhibitor 3
13349857	3.31	3.46	-1.11	0.276133	0.551166	AT1G49120	ethylene-responsive transcription factor ERF117
13335452	3.31	3.47	-1.12	0.704671	0.8056	CRU2	cruciferin 2
13479401	3.31	3.48	-1.12	0.419492	0.61704	AT4G39060	hypothetical protein
13484592	3.31	3.47	-1.12	0.676288	0.785467	AT4G14403	hypothetical protein
13481438	3.31	3.5	-1.14	0.761659	0.843809	AT4G03460	ankyrin repeat-containing protein
13424894	3.31	3.52	-1.16	0.558299	0.70476	AT3G06090	hypothetical protein
13391498	3.31	3.57	-1.2	0.146904	0.470962	RNEE/G; AT2G04280	RNAse E/G-like protein; hypothetical protein
13389550	3.31	3.61	-1.23	0.525283	0.682617	AT1G79510	hypothetical protein
13380706	3.31	3.65	-1.26	0.206758	0.513335	AT1G58050	helicase domain-containing protein
13450995	3.31	3.67	-1.28	0.414937	0.614247	TSK	protein BRUSHY 1
13363207	3.31	3.69	-1.31	0.094809	0.431164	AT1G04470	hypothetical protein
13453513	3.31	3.74	-1.34	0.661399	0.775425	AT3G25014	hypothetical protein
13460530	3.31	3.79	-1.39	0.518286	0.67756	AT3G55900	F-box protein
13540486	3.31	3.8	-1.41	0.255419	0.540321	AT5G57400	hypothetical protein
13440218	3.31	3.81	-1.42	0.344899	0.579915	AT3G56500	serine-rich protein-like protein
13513531	3.31	3.84	-1.44	0.127787	0.457732	AT5G51380	F-box protein

13488076	3.31	4.17	-1.81	0.36675	0.590246	AT4G22510; AT4G22513; AT4G22517	hypothetical protein; bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13416568	3.31	4.31	-2.01	0.384634	0.597873	HB-3	WUSCHEL-related homeobox 9
13405379	3.31	4.38	-2.1	0.181247	0.4967	AT2G45434	hypothetical protein
13360675	3.31	4.73	-2.68	0.173797	0.490884	CYP708A3	cytochrome P450, family 708, subfamily A, polypeptide 3
13527544	3.31	5.06	-3.36	0.046677	0.377465	AT5G17700	mate efflux domain-containing protein
13475949	3.31	5.12	-3.52	0.530591	0.686612	AT2G24390	AIG2-like family protein
13495874	3.31	5.12	-3.52	0.530591	0.686612	AT2G24390	AIG2-like family protein
13361214	3.31	5.32	-4.04	0.297445	0.56231	ENODL7	early nodulin-like protein 7
13466425	3.31	5.49	-4.53	0.085529	0.420651	SULTR1;1	sulfate transporter 1.1
13354754	3.31	5.86	-5.85	0.170105	0.48812	AT1G63540	hydroxyproline-rich glycoprotein-like protein
13486046	3.31	5.98	-6.33	0.199346	0.508728	AT4G17453	hypothetical protein
13341187	3.3	2.48	1.77	0.000759	0.214003	AT1G17070	tuftelin-interacting protein 11
13361625	3.3	2.65	1.57	0.060167	0.395762	AT1G80700	hypothetical protein
13436482	3.3	2.79	1.43	0.231284	0.527791	AT3G47570	putative LRR receptor-like serine/threonine-protein kinase
13359488	3.3	2.85	1.37	0.270014	0.548178	AVA-P4	V-type proton ATPase proteolipid subunit c4
13402665	3.3	2.89	1.33	0.235351	0.529729	AT2G39120	ubiquitin carboxyl-terminal hydrolase-like protein
13536280	3.3	2.94	1.29	0.311148	0.566973	AT5G46580	pentatricopeptide repeat-containing protein
13522501	3.3	2.96	1.27	0.120872	0.45228	AT5G05965	hypothetical protein
13379944	3.3	2.96	1.26	0.023359	0.330182	AT1G55630	pentatricopeptide repeat-containing protein
13438771	3.3	2.99	1.24	0.233668	0.529317	AT3G53075	D-galactoside/L-rhamnose binding SUEL lectin protein
13483688	3.3	3.12	1.13	0.655436	0.771531	AT4G12740	A/G-specific adenine glycosylase
13452680	3.3	3.19	1.08	0.661456	0.775425	HMT3	homocysteine S-methyltransferase 3
13448681	3.3	3.23	1.05	0.57004	0.712624	ECT5	hypothetical protein
13492409	3.3	3.23	1.05	0.441323	0.630118	AT4G32340	tetratricopeptide repeat domain-containing protein-like protein
13526365	3.3	3.24	1.04	0.830063	0.892077	AT5G15030	paired amphipathic helix repeat-containing protein
13403690	3.3	3.25	1.03	0.843163	0.901142		
13539839	3.3	3.27	1.03	0.953241	0.972294	AT5G55690	MADS-box protein AGL47
13339666	3.3	3.31	-1.01	0.916693	0.949611		
13382638	3.3	3.32	-1.01	0.95354	0.972398	TET10	tetraspanin10
13337987	3.3	3.33	-1.02	0.951781	0.971321	AT1G09490	Rossmann-fold NAD(P)-binding domain-containing protein
13501996	3.3	3.32	-1.02	0.897623	0.936817	COL1	zinc finger protein CONSTANS-LIKE 1
13364699	3.3	3.34	-1.03	0.800613	0.87157	RTFL3	protein rotundifolia like 3
13481840	3.3	3.35	-1.04	0.540566	0.692652		
13512343	3.3	3.37	-1.05	0.90245	0.940282	AT5G48730	pentatricopeptide repeat-containing protein
13526010	3.3	3.36	-1.05	0.690468	0.795504	AT5G14320	30S ribosomal protein S13
13362213	3.3	3.39	-1.06	0.650603	0.767834	AT1G02070	hypothetical protein
13435579	3.3	3.42	-1.09	0.533251	0.687982		
13335821	3.3	3.46	-1.12	0.098713	0.433513	XIA	myosin XI A
13362193	3.3	3.47	-1.12	0.444162	0.63204	AT1G02020	nitroreductase-like protein
13407167	3.3	3.49	-1.15	0.641162	0.760776	SKIP3	SKP1 interacting partner 3

13431599	3.3	3.51	-1.15	0.539723	0.692057	AT3G21910	putative cysteine-rich repeat secretory protein 17
13338521	3.3	3.53	-1.17	0.299532	0.562703	PHS1	poor homologous synapsis 1
13342355	3.3	3.57	-1.21	0.426705	0.621194	AT1G19750	DNA excision repair protein ERCC-8
13379675	3.3	3.63	-1.26	0.449833	0.635429	AT1G54880	hypothetical protein
13539210	3.3	3.65	-1.27	0.575836	0.716785	AT5G54050	cysteine/histidine-rich C1 domain-containing protein
13490425	3.3	3.7	-1.32	0.158136	0.4806	AT4G27580	hypothetical protein
13438020	3.3	3.71	-1.33	0.027999	0.344531	AT3G51290; ROP1	hypothetical protein; Rac-like GTP-binding protein ARAC11
13419063	3.3	3.71	-1.33	0.667158	0.778915	AT2G39560	Putative membrane lipoprotein
13502986	3.3	3.72	-1.34	0.242215	0.53397	AT5G18460	hypothetical protein
13360798	3.3	3.77	-1.38	0.038598	0.364471	AT1G78720	protein transport protein SEC61 subunit alpha
13451746	3.3	3.78	-1.4	0.215186	0.519459	RTL2	RNAse THREE-like protein 2
13477518	3.3	3.79	-1.41	0.336643	0.576994	RRTF1	ethylene-responsive transcription factor ERF109
13440286	3.3	3.84	-1.45	0.251939	0.538651	AT3G56730	Putative endonuclease or glycosyl hydrolase
13427387	3.3	3.9	-1.51	0.348074	0.580705	AT3G12910	no apical meristem domain-containing transcriptional regulator
13407149	3.3	3.92	-1.53	0.162603	0.48469	PP2-B5	F-box protein PP2-B5
13470989	3.3	3.92	-1.54	0.062044	0.398248	AT4G19970	hypothetical protein
13458678	3.3	3.96	-1.58	0.178908	0.494636	IQD20	protein IQ-domain 20
13353534	3.3	3.99	-1.62	0.19775	0.507784	AT1G59725	putative DNAJ heat shock protein
13434853	3.3	4.01	-1.63	0.265314	0.545853	AT3G32160	hypothetical protein
13466595	3.3	4.16	-1.81	0.0098	0.296261	AT4G09100	RING-H2 finger protein ATL39
13361967	3.3	4.19	-1.84	0.029081	0.347859	UGT72B3	hydroquinone glucosyltransferase
13532196	3.3	4.23	-1.91	0.28512	0.556339	MBD12	methyl-CPG-binding domain 12 protein
13531796	3.3	4.31	-2.02	0.070389	0.406861	LSH1	hypothetical protein
13468677	3.3	4.47	-2.25	0.377802	0.594163	LOI1	pentatricopeptide repeat-containing protein
13392546	3.3	4.48	-2.27	0.397945	0.604702	AT2G11620	hypothetical protein
13397466	3.3	4.63	-2.51	0.396994	0.604224	AT2G26520	hypothetical protein
13439523	3.3	4.73	-2.69	0.063366	0.399471	MRH2	armadillo repeat-containing kinesin-like protein 1
13407521	3.3	5.12	-3.53	0.414864	0.614208	AT2G03460; PAP9	galactose oxidase/kelch-like protein; putative inactive purple acid phosphatase 9
13408442	3.3	5.19	-3.69	0.285888	0.556682	AT2G10340	hypothetical protein
13348218	3.3	5.63	-5.05	0.279196	0.553698	AT1G36150	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13481974	3.29	2.49	1.73	0.102778	0.435908	AT4G05475	RNI-like protein
13483122	3.29	2.51	1.72	0.409879	0.611337		
13509861	3.29	2.64	1.57	0.138152	0.46568	AT5G42880	hypothetical protein
13380563	3.29	2.8	1.41	0.274807	0.550583	AT1G57610	hypothetical protein
13341950	3.29	2.87	1.34	0.025229	0.335081	AGL65	protein AGAMOUS-like 65
13519250	3.29	2.92	1.29	0.049639	0.378994	AT5G64470	hypothetical protein
13388450	3.29	2.93	1.28	0.075205	0.410503	STP14	sugar transport protein 14
13520343	3.29	3.1	1.14	0.67238	0.782805	AT5G66816	hypothetical protein
13448627	3.29	3.12	1.12	0.589117	0.726702	AT3G12955	SAUR-like auxin-responsive family protein
13540822	3.29	3.21	1.06	0.623455	0.749045	SVL5	protein SEUSS-like 5
13392968	3.29	3.25	1.03	0.626138	0.750551	AT2G14700	hypothetical protein

13527894	3.29	3.26	1.02	0.849471	0.905243	AT5G18475	pentatricopeptide repeat-containing protein
13537765	3.29	3.27	1.02	0.923196	0.953659	AZG2	adenine/guanine permease AZG2
13522581	3.29	3.27	1.01	0.95933	0.975958	CYC1BAT	cyclin-B1-2
13421899	3.29	3.34	-1.03	0.711245	0.809943	KPHMT1	ketopantoate hydroxymethyltransferase 1
13384931	3.29	3.43	-1.1	0.792678	0.865932	IPT1	adenylate isopentenyltransferase 1
13423901	3.29	3.44	-1.11	0.419909	0.61724	SYP131	syntaxin 1B/2/3
13334202	3.29	3.46	-1.13	0.353019	0.583492	AT1G01115	hypothetical protein
13342754	3.29	3.47	-1.13	0.776882	0.854692	AT1G20823	RING-H2 finger protein ATL80
13366843	3.29	3.48	-1.14	0.094367	0.430944	AT1G11900	pentatricopeptide repeat-containing protein
13471820	3.29	3.47	-1.14	0.435674	0.626876	ATML1	homeobox-leucine zipper protein MERISTEM L1
13440572	3.29	3.58	-1.22	0.371582	0.591916	AT3G57500	hypothetical protein
13535960	3.29	3.63	-1.27	0.56779	0.711138	AT5G45840	leucine-rich repeat protein kinase-like protein
13366207	3.29	3.68	-1.31	0.464131	0.643538	NAT8	nucleobase-ascorbate transporter 8
13529232	3.29	3.75	-1.38	0.364692	0.589444	AT5G22090	hypothetical protein
13505187	3.29	3.79	-1.41	0.242707	0.534256	AGP41	arabinogalactan protein 41
13372549	3.29	3.88	-1.5	0.018072	0.319749	AT1G26230	TCP-1/cpn60 chaperonin-like protein
13383856	3.29	3.97	-1.6	0.088121	0.424391	AT1G66190	hypothetical protein
13540270	3.29	3.96	-1.6	0.281066	0.554564	AT5G56990	hypothetical protein
13429690	3.29	4.03	-1.67	0.461	0.642008	AT3G17720	Pyridoxal phosphate-dependent transferase-like protein
13417323	3.29	4.04	-1.68	0.449765	0.635419	AT2G35640	hydroxyproline-rich glycoprotein family protein
13443449	3.29	4.06	-1.71	0.363079	0.588585	CYP94B2	cytochrome P450, family 94, subfamily B, polypeptide 2
13483509	3.29	4.12	-1.78	0.047624	0.37767	AT4G12140	RING/U-box domain-containing protein
13387787	3.29	4.16	-1.82	0.159766	0.482149	AT1G75690	DnaJ/Hsp40 cysteine-rich domain-containing protein
13337305	3.29	4.18	-1.86	0.071018	0.407839	AT1G08310; AT1G08315	esterase/lipase/thioesterase-like protein; armadillo/beta-catenin-like repeat-containing protein
13506826	3.29	4.18	-1.86	0.285886	0.556682	AT5G28210	mRNA capping enzyme family protein
13441783	3.29	4.22	-1.9	0.025563	0.335837	AT3G60470	hypothetical protein
13342418	3.29	4.33	-2.06	0.034362	0.355201	AT1G19960	hypothetical protein
13385234	3.29	4.44	-2.22	0.252324	0.538705	CRC	protein CRABS CLAW
13506889	3.29	4.52	-2.34	0.200859	0.50994	AT5G28463	hypothetical protein
13414551	3.29	4.59	-2.46	0.228137	0.526027	GSTU2	glutathione S-transferase
13403040	3.29	4.61	-2.49	0.306545	0.565397	AT2G39980; AT2G39975	HXXXD-type acyl-transferase-like protein; hypothetical protein
13474823	3.29	4.75	-2.75	0.33706	0.577005	AMT1;4	ammonium transporter 1;4
13353895	3.29	4.88	-3.01	0.44466	0.632229	SCRL8	defensin-like protein 250
13488758	3.29	5.18	-3.71	0.259512	0.542265	AT4G23970	hypothetical protein
13392364	3.29	5.58	-4.89	0.389083	0.599658	AT2G07795	hypothetical protein
13448383	3.29	5.86	-5.96	0.352026	0.582786	AT3G12440	extensin family protein
13432922	3.28	2.57	1.64	0.145366	0.470081	AT3G24850	hypothetical protein
13481054	3.28	2.69	1.51	0.294568	0.560624	IDD12	indeterminate-domain 12 protein
13530638	3.28	2.7	1.49	0.318961	0.57007	AT5G24840	tRNA (guanine-N(7)-)-methyltransferase
13355256	3.28	2.71	1.48	0.234116	0.529452	APO1	APO protein 1
13438910	3.28	2.75	1.44	0.292705	0.559559		

13382938	3.28	2.79	1.41	0.228145	0.526027	AT1G63860	TIR-NBS-LRR class disease resistance protein
13467528	3.28	2.79	1.4	0.001894	0.253459	SR	serine racemase
13441807	3.28	2.97	1.25	0.466396	0.645004	CYCP3;2	cyclin-U2-2
13372203	3.28	2.99	1.22	0.458845	0.640177	AT1G24996	hypothetical protein
13464819	3.28	3.03	1.18	0.662981	0.776281	AT4G02250	plant invertase/pectin methylesterase inhibitor domain-containing protein
13502757	3.28	3.08	1.15	0.710249	0.809417	AT5G17680	putative TIR-NBS-LRR class disease resistance protein
13354284	3.28	3.11	1.13	0.637314	0.758609	AT1G62010	Mitochondrial transcription termination factor family protein
13496631	3.28	3.12	1.12	0.316143	0.568464	AT5G02590	tetratricopeptide repeat domain-containing protein
13545417	3.28	3.13	1.11	0.867947	0.917899		
13498795	3.28	3.17	1.08	0.164076	0.485635	AT5G07420	putative pectinesterase 49
13533277	3.28	3.19	1.06	0.133885	0.463251	AT5G38500	hypothetical protein
13380119	3.28	3.21	1.05	0.856799	0.910439	AT1G55950	DNA-binding storekeeper protein-related transcriptional regulator
13443208	3.28	3.3	-1.01	0.9556	0.97361	DEL3	DP-E2F-like protein 3
13467975	3.28	3.29	-1.01	0.957918	0.975066	AT4G12940	hypothetical protein
13399798	3.28	3.34	-1.04	0.841604	0.90026	AT2G32340	TraB family protein
13502967	3.28	3.38	-1.07	0.561022	0.706588	AT5G18404	hypothetical protein
13375508	3.28	3.39	-1.08	0.34237	0.579015	AT1G34570	essential protein Yae1, N-terminal-domain-containing protein
13406612	3.28	3.4	-1.09	0.759555	0.842475	AT2G48121	hypothetical protein
13381527	3.28	3.42	-1.1	0.654148	0.77044	TBL2	hypothetical protein
13395774	3.28	3.42	-1.11	0.65916	0.774321	AT2G22122	hypothetical protein
13527792	3.28	3.5	-1.16	0.199447	0.508862	AT5G18350	TIR-NBS-LRR class disease resistance protein
13389891	3.28	3.54	-1.2	0.013739	0.309482	OFP14	ovate family protein 14
13442814	3.28	3.56	-1.21	0.149039	0.471967	AT3G63020	hypothetical protein
13342263	3.28	3.57	-1.22	0.521051	0.679682	AT1G19470	Kelch repeat-containing protein
13336498	3.28	3.59	-1.24	0.407578	0.610384	AT1G06260	cysteine proteinase-like protein
13484230	3.28	3.59	-1.24	0.347124	0.58045	RLP50	receptor like protein 50
13520916	3.28	3.6	-1.25	0.470687	0.647215	BRCA2B	breast cancer 2 susceptibility protein
13533636	3.28	3.67	-1.31	0.051058	0.382129	AT5G39770	Restriction endonuclease, type II-like superfamily protein
13342454	3.28	3.78	-1.41	0.1872	0.501665	AT1G20030	pathogenesis-related thaumatin-like protein
13535374	3.28	3.8	-1.44	0.033219	0.354018	AT5G44390	FAD-binding and BBE domain-containing protein
13342771	3.28	3.81	-1.44	0.05675	0.390208	AT1G20875	hypothetical protein
13342674	3.28	3.83	-1.46	0.61273	0.74179	AT1G20690	SWI-SNF-related chromatin binding protein
13467759	3.28	3.88	-1.52	0.054627	0.386003	AT4G12240	C2H2 type zinc finger protein
13519320	3.28	3.88	-1.52	0.322179	0.571523	C/VIF2	cell wall / vacuolar inhibitor of fructosidase 2
13362798	3.28	3.93	-1.56	0.315595	0.568409	AT1G03510	pentatricopeptide repeat-containing protein
13434998	3.28	4.09	-1.76	0.179255	0.494798	AT3G42800	hypothetical protein
13408607	3.28	4.14	-1.81	0.249318	0.5369	AT2G12875	hypothetical protein
13371602	3.28	4.15	-1.83	0.072697	0.408352	TAR1	tryptophan aminotransferase related 1
13509213	3.28	4.19	-1.88	0.161	0.483238	WRKY24	WRKY DNA-binding protein 24

13388764	3.28	4.2	-1.89	0.072402	0.408352	AT1G77790	glycosyl hydrolase family 17 protein
13442469	3.28	4.2	-1.89	0.104272	0.4366	AT3G61900	SAUR-like auxin-responsive protein
13495917	3.28	4.33	-2.08	0.16051	0.482937	AT4G39986	hypothetical protein
13473326	3.28	4.58	-2.47	0.103596	0.436308	AT4G25250	plant invertase/pectin methylesterase inhibitor domain-containing protein
13544202	3.28	4.59	-2.48	0.386836	0.598595	AT5G66211	hypothetical protein
13504715	3.28	4.69	-2.66	0.033735	0.354018	TET12	tetraspanin12
13404865	3.28	5.15	-3.68	0.366678	0.590232	AT2G44400	cysteine/histidine-rich C1 domain-containing protein
13339713	3.28	5.21	-3.8	0.170264	0.488277	AT1G13670	hypothetical protein
13482549	3.28	5.37	-4.24	0.267782	0.546492	GH9B14	glycosyl hydrolase 9B14
13343376	3.28	5.71	-5.4	0.001361	0.242634	AT1G22430	alcohol dehydrogenase-like 1
13529816	3.27	2.16	2.15	0.080241	0.414441	AT5G23370	putative GEM-like protein 8
13424049	3.27	2.32	1.92	0.257832	0.541251	AT3G04130	pentatricopeptide repeat-containing protein
13393000	3.27	2.54	1.65	0.24254	0.534212	AT2G14800	hypothetical protein
13510685	3.27	2.61	1.59	0.088973	0.425695	AT5G44980	putative F-box/FBD/LRR-repeat protein
13451994	3.27	2.7	1.49	0.346466	0.58045	AT3G20900	hypothetical protein
13456790	3.27	2.71	1.47	0.105201	0.43719	RPP13	disease resistance protein RPP13
13460484	3.27	2.77	1.41	0.199104	0.508532	AT3G55670	hypothetical protein
13545487	3.27	2.82	1.37	0.62388	0.749085		
13383962	3.27	3.02	1.19	0.37548	0.593207	CML23	putative calcium-binding protein CML23
13350619	3.27	3.04	1.17	0.031566	0.352537	AT1G51035	hypothetical protein
13388426	3.27	3.04	1.17	0.765914	0.847087	AT1G77150	pentatricopeptide repeat-containing protein
13343205	3.27	3.16	1.08	0.077612	0.412879	AT1G21975	hypothetical protein
13527698	3.27	3.15	1.08	0.403495	0.608023	AT5G18180	H/ACA ribonucleoprotein complex subunit 1-like protein 2
13361042	3.27	3.17	1.07	0.808116	0.876937	MC5	metacaspase 5
13534221	3.27	3.16	1.07	0.809479	0.877977	AT5G41420	hypothetical protein
13410473	3.27	3.31	-1.03	0.935824	0.96113	rps15ab	40S ribosomal protein S15a-2
13340684	3.27	3.32	-1.04	0.856276	0.91012	WAKL7	wall associated kinase-like 7
13437366	3.27	3.33	-1.05	0.897618	0.936817	emb1796	pentatricopeptide repeat-containing protein
13456826	3.27	3.36	-1.06	0.679559	0.787985	AT3G46650	UDP-glycosyltransferase-like protein
13434951	3.27	3.38	-1.08	0.626091	0.750527	AT3G42570	peroxidase family protein
13521722	3.27	3.42	-1.11	0.282144	0.555294	AT5G03870	Glutaredoxin family protein
13414471	3.27	3.46	-1.14	0.722693	0.817992	AT2G29150	tropine dehydrogenase
13427750	3.27	3.47	-1.15	0.185679	0.500294	AT3G13662	Disease resistance-responsive (dirigent-like protein) family protein
13390918	3.27	3.49	-1.16	0.32702	0.574063	AT2G02590	hypothetical protein
13460189	3.27	3.48	-1.16	0.099157	0.433828	AT3G54930	protein phosphatase 2 (formerly 2A), regulatory subunit B'
13481367	3.27	3.49	-1.16	0.3661	0.590066	AT4G03360	Ubiquitin family protein
13443382	3.27	3.53	-1.19	0.356267	0.584728	AT3G01580	pentatricopeptide repeat-containing protein
13515351	3.27	3.55	-1.21	0.595608	0.73025	AT5G55430	hypothetical protein
13467680	3.27	3.62	-1.27	0.728746	0.822238	AT4G12005	hypothetical protein
13464301	3.27	3.64	-1.29	0.18766	0.502008	AT4G01270	TRAF-interacting protein
13354110	3.27	3.66	-1.31	0.645873	0.764209	AT1G61575	hypothetical protein
13480066	3.27	3.74	-1.38	0.133363	0.462988	ATMYC1	transcription factor MYC1
13478749	3.27	3.8	-1.44	0.248229	0.536392	AT4G37295	hypothetical protein
13347325	3.27	3.82	-1.46	0.068072	0.406286	AT1G33090	MATE efflux family protein
13364823	3.27	3.82	-1.46	0.061406	0.398106	AT1G07710	ankyrin repeats-containing protein

13477641	3.27	3.83	-1.48	0.152657	0.475367	SQS2	squalene synthase 2
13358181	3.27	3.86	-1.5	0.180808	0.496353	AT1G72100	late embryogenesis abundant domain-containing protein
13468077	3.27	3.86	-1.5	0.059572	0.395062	ROPGEF9	RHO guanyl-nucleotide exchange factor 9
13489412	3.27	3.89	-1.54	0.270222	0.548368	SAP10	zinc finger A20 and AN1 domain-containing stress-associated protein 10
13359296	3.27	4.05	-1.71	0.069068	0.406403	TLP-3	thaumatin-like protein 3
13353060	3.27	4.07	-1.74	0.22117	0.522379	MYB50	myb domain protein 50
13517504	3.27	4.09	-1.77	0.462477	0.642977	HB26	homeobox protein 26
13506823	3.27	4.19	-1.89	0.121418	0.452303	AT5G28180	putative F-box/kelch-repeat protein
13444674	3.27	4.2	-1.91	0.572833	0.714916	RALFL21	protein RALF-like 21
13524721	3.27	4.23	-1.95	0.021576	0.325381	GLR2.5	glutamate receptor 2.5
13509971	3.27	4.37	-2.15	0.002385	0.253459	AT5G43230	hypothetical protein
13414031	3.27	4.48	-2.32	0.321645	0.571349	AT2G28010	aspartyl protease-like protein
13473981	3.27	4.56	-2.44	0.107331	0.4394	AT4G26770	phosphatidate cytidylyltransferase
13416650	3.27	4.6	-2.51	0.107726	0.439751	AT2G34080	cysteine proteinase-like protein
13540082	3.27	4.68	-2.65	0.479729	0.651994	AT5G56480	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13374839	3.27	5.02	-3.37	0.012479	0.301412	AOX1D	alternative oxidase 3
13478908	3.27	5.16	-3.71	0.024516	0.333211	SQE3	squalene epoxidase 3
13461048	3.27	5.69	-5.38	0.309904	0.566973	AT3G57072	hypothetical protein
13507417	3.26	2.51	1.69	0.060796	0.396754	AT5G35926	RNI-like/FBD-like domain-containing protein
13460945	3.26	2.58	1.6	0.06152	0.398106	AT3G56891	metal ion binding protein
13523183	3.26	2.79	1.39	0.408207	0.610585	AT5G07620	protein kinase family protein
13481371	3.26	2.81	1.36	0.404385	0.6086	AT4G03380	hypothetical protein
13535999	3.26	2.96	1.24	0.284164	0.556096	NUDT11	nudix hydrolase 11
13482813	3.26	3.01	1.2	0.320662	0.570934	AT4G10420	FBD and leucine rich repeat domain-containing protein
13495991	3.26	3.02	1.19	0.667979	0.779427	AT4G40080	putative clathrin assembly protein
13526469	3.26	3.02	1.18	0.010367	0.296261	AT5G15254	hypothetical protein
13380609	3.26	3.02	1.18	0.473337	0.648252	AT1G57790	F-box protein
13480514	3.26	3.06	1.14	0.14192	0.468094	AT4G01328	hypothetical protein
13434220	3.26	3.17	1.07	0.709244	0.808791	AT3G28170	hypothetical protein
13477198	3.26	3.17	1.07	0.829371	0.891605	AT4G33740	hypothetical protein
13498775	3.26	3.19	1.05	0.879537	0.926325	AT5G07400	forkhead-associated domainand FHA domain-containing protein
13386976	3.26	3.32	-1.04	0.91558	0.949074		
13341673	3.26	3.37	-1.08	0.530806	0.686797	AT1G18280	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13386336	3.26	3.36	-1.08	0.647091	0.765079	AT1G72350	MADS-box protein
13455423	3.26	3.37	-1.08	0.899154	0.93792	AT3G32040	geranylgeranyl diphosphate synthase 12
13390936	3.26	3.41	-1.11	0.220867	0.522049	AT2G02650	RNase H domain-containing protein
13432763	3.26	3.41	-1.11	0.840124	0.899306	AT3G24540	protein kinase family protein
13409830	3.26	3.5	-1.18	0.115192	0.446247	AT2G17860	pathogenesis-related thaumatin-like protein
13442374	3.26	3.53	-1.21	0.435895	0.627035	AT3G61660	hypothetical protein
13539418	3.26	3.59	-1.25	0.384299	0.597873	AT5G54630	zinc finger-related protein
13493843	3.26	3.62	-1.28	0.365339	0.589672	CLC-E; AT4G35430	chloride channel protein CLC-e; hypothetical protein

13458484	3.26	3.64	-1.31	0.29734	0.56231	AT3G50850; AT3G50860	Putative methyltransferase family protein; AP-3 complex subunit sigma
13359317	3.26	3.69	-1.34	0.310703	0.566973	AT1G75160	hypothetical protein
13474709	3.26	3.71	-1.37	0.308966	0.566572	CRU3	cruciferin 3
13509034	3.26	3.79	-1.44	0.118003	0.448003	AT5G41071	hypothetical protein
13358479	3.26	3.85	-1.5	0.12628	0.455497	AT1G72870	TIR-NBS class of disease resistance protein
13522911	3.26	3.85	-1.5	0.129672	0.459766	CYP93D1	cytochrome P450, family 93, subfamily D, polypeptide 1
13384720	3.26	3.86	-1.51	0.004326	0.262292	AT1G67855; AT1G67856	hypothetical protein; RING/U-box domain-containing protein
13505370	3.26	3.91	-1.58	0.001227	0.242634	AT5G24593	hypothetical protein
13521691	3.26	3.93	-1.59	0.348486	0.580717	AT5G03810	GDSL esterase/lipase
13498023	3.26	4.1	-1.8	0.007563	0.290374	FAD8	omega-3 fatty acid desaturase (delta-15 desaturase)
13528587	3.26	4.11	-1.8	0.284146	0.556096	AT5G20260	Exostosin family protein
13361429	3.26	4.23	-1.96	0.176052	0.492524	AT1G80160	lactoylglutathione lyase / glyoxalase I-like protein
13464748	3.26	4.27	-2.02	0.107726	0.439751	AT4G02110	transcription coactivator protein
13427687	3.26	4.29	-2.03	0.438581	0.628747	AT3G13500	hypothetical protein
13375634	3.26	4.32	-2.08	0.045489	0.375679	AT1G35290	thioesterase family protein
13348406	3.26	4.37	-2.15	0.376475	0.593372	AT1G38950	hypothetical protein
13503604	3.26	4.39	-2.19	0.232033	0.528375	ROPGEF10	ROP uanine nucleotide exchange factor 10
13451887	3.26	5.13	-3.65	0.519992	0.678825	AT2G24390	AIG2-like family protein
13346486	3.26	5.51	-4.76	0.294716	0.560723	AT1G30800	Fasciclin-like arabinogalactan family protein
13531786	3.25	2.46	1.73	0.015253	0.313468	AT5G28442	hypothetical protein
13366039	3.25	2.62	1.55	0.191213	0.504398	PP2-A10	phloem protein 2-A10
13362778	3.25	2.62	1.54	0.196631	0.50734	AT1G03470	kinase interacting (KIP1-like) protein
13452763	3.25	2.67	1.5	0.018646	0.321499	AT3G23020	pentatricopeptide repeat-containing protein
13545503	3.25	2.84	1.33	0.660764	0.775345		
13457779	3.25	2.94	1.24	0.279995	0.554083	AT3G49320	Metal-dependent protein hydrolase
13410899	3.25	2.99	1.2	0.468585	0.645889	AT2G20470	putative serine/threonine-protein kinase
13424343	3.25	3.13	1.09	0.331808	0.576146	AT3G04903	putative defensin-like protein 317
13378038	3.25	3.15	1.07	0.796923	0.869273	AT1G50890	armadillo/beta-catenin-like repeat-containing protein
13432248	3.25	3.16	1.06	0.690737	0.795685	RIC5	ROP-interactive CRIB motif-containing protein 5
13368658	3.25	3.23	1.01	0.939312	0.96355	TLP8	Tubby-like protein 8
13366159	3.25	3.29	-1.02	0.928408	0.956622	AT1G10417	hypothetical protein
13527229	3.25	3.28	-1.02	0.862752	0.914495	UGT78D3	UDP-glucosyl transferase 78D3
13400399	3.25	3.41	-1.12	0.495774	0.662275	AT2G33760	pentatricopeptide repeat-containing protein
13391235	3.25	3.45	-1.15	0.626075	0.750527	AT2G03560	F-box-like protein
13408201	3.25	3.47	-1.17	0.053336	0.383838	AT2G07120	F-box protein
13363078	3.25	3.52	-1.2	0.299872	0.562898	AT1G04150	C2 domain-containing protein
13422435	3.25	3.54	-1.22	0.138076	0.46568	AT2G47480; UNE5	hypothetical protein; protein disulfide-isomerase A6
13493714	3.25	3.56	-1.24	0.31039	0.566973	AT4G35110	phospholipase-like (PEARLI 4) family protein
13443345	3.25	3.58	-1.26	0.455069	0.63836	MYB57	myb domain protein 57
13437647	3.25	3.59	-1.27	0.137313	0.46568	AT3G50123	hypothetical protein

13364172	3.25	3.61	-1.28	0.638473	0.759288	AT1G06330	heavy metal transport/detoxification-like protein
13365858	3.25	3.63	-1.3	0.348169	0.580705	PUP16; XBCP3	purine permease 16; xylem bark cysteine peptidase 3
13335458	3.25	3.67	-1.34	0.245288	0.535223	AT1G03890	RmlC-like cupin
13339925	3.25	3.69	-1.36	0.016346	0.315398	PQL2	photosystem II oxygen-evolving enhancer protein
13351708	3.25	3.85	-1.52	0.43828	0.628473	AT1G53540	HSP20-like chaperone
13369126	3.25	3.85	-1.52	0.41921	0.616754	JAZ5	protein TIFY 11A
13537593	3.25	3.86	-1.53	0.298716	0.562461	AT5G49850	jacalin lectin family protein
13431572	3.25	3.96	-1.63	0.18928	0.503111	UGT71B6	UDP-glucosyl transferase 71B6
13534573	3.25	4.4	-2.21	0.024102	0.332187	AT5G42500	disease resistance-responsive, dirigent domain-containing protein
13388254	3.25	4.61	-2.55	0.002249	0.253459	AT1G76730	5-formyltetrahydrofolate cyclo-ligase
13483576	3.25	4.64	-2.61	0.00054	0.207323	AT4G12410	SAUR-like auxin-responsive protein
13411585	3.25	5.09	-3.57	0.053544	0.383984	AT2G22190	haloacid dehalogenase-like hydrolase domain-containing protein
13356841	3.25	5.12	-3.66	0.280634	0.554406		
13411838	3.25	5.12	-3.66	0.280634	0.554406		
13412076	3.25	5.12	-3.66	0.280634	0.554406		
13516372	3.25	5.12	-3.66	0.280634	0.554406		
13520543	3.25	5.12	-3.66	0.280634	0.554406		
13539518	3.25	5.12	-3.66	0.280634	0.554406		
13388013	3.25	5.23	-3.94	0.051255	0.382129	AT1G76240	hypothetical protein
13352309	3.25	5.4	-4.44	0.021821	0.325596	PRP1	proline-rich protein 1
13408130	3.25	6.11	-7.24	0.045808	0.376634	PSBX	photosystem II subunit X
13454056	3.24	2.06	2.27	0.095894	0.431849		
13452699	3.24	2.58	1.58	0.404894	0.608981	AT3G22770	F-box associated ubiquitination effector-like protein
13359064	3.24	2.85	1.31	0.217383	0.520618	AT1G74240	Mitochondrial substrate carrier family protein
13521431	3.24	2.91	1.25	0.31931	0.570181	AT5G03140	concanavalin A-like lectin kinase-like protein
13501496	3.24	2.93	1.24	0.520073	0.678825	AT5G14600	tRNA (adenine-N1-)-methyltransferase
13457496	3.24	3.01	1.17	0.352143	0.582888	AT3G48510	hypothetical protein
13503115	3.24	3.02	1.16	0.493653	0.660815	AT5G18740	hypothetical protein
13530133	3.24	3.03	1.15	0.653877	0.77033	AT5G24070	peroxidase
13469906	3.24	3.05	1.14	0.236954	0.531121	MSH4	DNA mismatch repair protein MSH4
13478991	3.24	3.1	1.1	0.576329	0.71699	AT4G38020	tRNA/rRNA methyltransferase (SpoU) family protein
13490398	3.24	3.11	1.1	0.681399	0.788759	AT4G27510	hypothetical protein
13429354	3.24	3.15	1.07	0.744479	0.83217	AT3G16930	hypothetical protein
13500923	3.24	3.19	1.04	0.79766	0.869812	AT5G13230	pentatricopeptide repeat-containing protein
13510112	3.24	3.24	-1.01	0.965915	0.97995	SUC6	putative sucrose transport protein SUC6
13458732	3.24	3.29	-1.03	0.74227	0.830774	LTP5	non-specific lipid-transfer protein 5
13349877	3.24	3.33	-1.06	0.787206	0.862063	AT1G49220	RING-H2 finger protein ATL10
13486549	3.24	3.36	-1.09	0.828992	0.891362	AT4G18520	pentatricopeptide repeat-containing protein
13498393	3.24	3.36	-1.09	0.331028	0.576012	AT5G06420	zinc finger CCCH domain-containing protein 51
13510523	3.24	3.36	-1.09	0.806788	0.876033	AT5G44580	hypothetical protein

13455590	3.24	3.56	-1.24	0.054783	0.386061	AT3G42723	ATP binding / aminoacyl-tRNA ligase/ nucleotide binding protein
13449483	3.24	3.61	-1.29	0.551155	0.700443	AT3G14490	terpene cyclase, C1 domain-containing protein
13344122	3.24	3.62	-1.3	0.384523	0.597873	AT1G24330	U-box domain-containing protein 6
13513711	3.24	3.61	-1.3	0.282459	0.555492	AT5G51720	Iron-binding zinc finger CDGSH type domain-containing protein
13495425	3.24	3.63	-1.32	0.553948	0.702222	AT4G38780	Pre-mRNA-processing-splicing factor
13339073	3.24	3.66	-1.34	0.489802	0.658225	AT1G11970	ubiquitin-like protein
13462784	3.24	3.67	-1.35	0.115146	0.446247	AT3G61310	AT hook motif DNA-binding family protein
13515321	3.24	3.86	-1.53	0.158535	0.481284	ATPXG2	peroxygenase 2
13533500	3.24	3.93	-1.61	0.036023	0.357964	EXPA23	expansin A23
13467478	3.24	3.99	-1.69	0.134669	0.463251	CRK31	putative cysteine-rich receptor-like protein kinase 31
13464789	3.24	4.04	-1.74	0.515644	0.675713	AT4G02190	cysteine/histidine-rich C1 domain-containing protein
13482119	3.24	4.05	-1.75	0.124397	0.453788	CSLC12	putative xyloglucan glycosyltransferase 12
13487800	3.24	4.17	-1.91	0.1455	0.470149	AT4G21926; AT4G21930	hypothetical protein
13345669	3.24	4.28	-2.06	0.12809	0.45805	AT1G28815	hypothetical protein
13452401	3.24	4.28	-2.06	0.16327	0.484932	AT3G21670	major facilitator protein
13409044	3.24	4.52	-2.43	0.256961	0.541047		
13390224	3.24	4.57	-2.5	0.03502	0.355472	NIP6;1	aquaporin NIP6-1
13366022	3.24	4.58	-2.52	0.113744	0.444631	AT1G10100	hypothetical protein
13433550	3.24	4.78	-2.91	0.004633	0.262585	PHT2;1	inorganic phosphate transporter 2-1
13524220	3.24	5.01	-3.4	0.519663	0.678677	AT2G24390	AIG2-like family protein
13351089	3.24	5.37	-4.36	0.347408	0.58045		
13410032	3.24	5.37	-4.36	0.347408	0.58045		
13472095	3.24	5.37	-4.36	0.347408	0.58045		
13483574	3.24	5.37	-4.36	0.347408	0.58045		
13544362	3.24	5.37	-4.36	0.347408	0.58045		
13414664	3.24	5.54	-4.93	0.291862	0.559371	AT2G29830	F-box/kelch-repeat protein
13467354	3.24	6.49	-9.47	0.008016	0.290453	AT4G11211	hypothetical protein
13483529	3.23	2.69	1.45	0.087484	0.423422	CYP706A4	cytochrome P450, family 706, subfamily A, polypeptide 4
13545615	3.23	2.8	1.35	0.097319	0.433165	AT1G29040; AT1G29041	hypothetical protein
13391619	3.23	2.82	1.32	0.280133	0.55409	CPZ	Ribonuclease Z
13486843	3.23	2.84	1.32	0.279503	0.553793	AT4G19220	pentatricopeptide repeat-containing protein
13519246	3.23	2.86	1.29	0.475765	0.649775	AT5G64450	hypothetical protein
13413452	3.23	2.87	1.28	0.061584	0.398106	NPC2	phospholipase C
13425919	3.23	2.89	1.27	0.420828	0.617639	ATERDJ3A	DnaJ domain-containing protein
13454392	3.23	2.92	1.23	0.417964	0.616286	AT3G27330	C3H4 type zinc finger protein
13513007	3.23	2.97	1.2	0.363108	0.588585	AT5G50170	C2 and GRAM domain-containing protein
13352552	3.23	3.07	1.12	0.31515	0.568201	AT1G55460	DNA/RNA-binding protein Kin17 conserved region-containing protein
13541561	3.23	3.1	1.09	0.655802	0.771747	AT5G60000	hypothetical protein
13443477	3.23	3.13	1.07	0.840884	0.899721	AT3G01960	hypothetical protein
13455583	3.23	3.13	1.07	0.721162	0.817164	CHR38	chromatin remodeling 38
13348802	3.23	3.3	-1.05	0.503453	0.667604	AT1G44740	hypothetical protein

13368978	3.23	3.29	-1.05	0.299465	0.562688	AT1G16905	curculin-like (mannose-binding) lectin-like protein
13463479	3.23	3.3	-1.05	0.397289	0.604224	APG3	Peptide chain release factor 1
13507708	3.23	3.37	-1.1	0.509722	0.671951	AT5G37230	RING/U-box domain-containing protein
13446548	3.23	3.4	-1.13	0.533259	0.687982	AT3G08762	hypothetical protein
13483431	3.23	3.4	-1.13	0.5808	0.720655	AT4G11990	Cell cycle regulated microtubule associated protein
13410141	3.23	3.46	-1.18	0.568381	0.711391	MEE16	putative RING-H2 finger protein ATL49
13418762	3.23	3.47	-1.18	0.423489	0.619135	AT2G38920	putative E3 ubiquitin-protein ligase BAH1-like protein
13491914	3.23	3.47	-1.19	0.518329	0.677585	AT4G31230	Protein kinase protein with adenine nucleotide alpha hydrolases-like domain
13390702	3.23	3.55	-1.25	0.035104	0.355472	AT2G02030	F-box protein
13379722	3.23	3.57	-1.27	0.246878	0.535608	AT1G55200; PRA7	protein kinase-like protein; PRA1 family protein F2
13377610	3.23	3.72	-1.4	0.143029	0.468992	AT1G49940	hypothetical protein
13453201	3.23	3.82	-1.5	0.312335	0.567545	AT3G24216	hypothetical protein
13412658	3.23	3.82	-1.51	0.066663	0.40382	AT2G25150	HXXXD-type acyl-transferase-like protein
13342608	3.23	3.83	-1.52	0.430544	0.623341	AT1G20520	hypothetical protein
13378483	3.23	3.89	-1.58	0.129893	0.459886	AT1G52000	jacalin-like lectin domain-containing protein
13506212	3.23	3.9	-1.59	0.230045	0.527363	AT5G26890	hypothetical protein
13448526	3.23	3.99	-1.7	0.382623	0.597122	AT3G12685	Acid phosphatase/vanadium-dependent haloperoxidase-related protein
13409635	3.23	4.07	-1.8	0.079367	0.414177	AT2G17442	hypothetical protein
13437656	3.23	4.1	-1.83	0.43085	0.623669	AT3G50270	HXXXD-type acyl-transferase-like protein
13362263	3.23	4.13	-1.87	0.040654	0.365846	NAC004	NAC domain-containing protein 4
13336959	3.23	4.17	-1.91	0.414737	0.614208	RABA2b	RAB GTPase homolog A2B
13437830	3.23	4.16	-1.91	0.262403	0.543595	MNP	GATA transcription factor 18
13383168	3.23	4.46	-2.35	0.073504	0.409787	BDG1	alpha/beta-hydrolase domain-containing protein
13499894	3.23	4.72	-2.81	0.001797	0.253459		
13474207	3.23	4.74	-2.85	0.007946	0.290374	AT4G27400	late embryogenesis abundant protein-like protein
13544279	3.23	4.88	-3.13	0.084212	0.418249	RAB18	dehydrin Rab18
13515231	3.23	5.02	-3.46	0.01253	0.301412	AT5G55110	Stigma-specific Stig1 family protein
13545013	3.23	5.14	-3.75	0.208125	0.513672		
13533462	3.23	5.18	-3.86	0.291751	0.559371	AT5G39140; AT5G39200; AT5G39170	hypothetical protein
13379113	3.23	5.67	-5.45	0.196536	0.507317	GLY3	glyoxalase II 3
13469480	3.23	5.73	-5.64	0.058375	0.393329	AT4G16220	GDSL esterase/lipase
13480522	3.23	6.78	-11.73	0.032256	0.352847	AT4G01390	TRAF-like family protein
13454700	3.22	2.49	1.65	0.104142	0.4366	TBL22	protein trichome birefringence-like 22
13495032	3.22	2.57	1.58	0.267615	0.546492	AT4G38090	ribosomal protein S5 domain 2-like family protein
13469718	3.22	2.65	1.48	0.032566	0.353134	AT4G16835	tetratricopeptide repeat domain-containing protein
13338841	3.22	2.84	1.3	0.052699	0.382994	AT1G11500	hypothetical protein
13412584	3.22	2.85	1.3	0.261863	0.543595	AT2G24970	hypothetical protein

13387561	3.22	2.85	1.29	0.030517	0.350098	RRA2	Nucleotide-diphospho-sugar transferase family protein
13505538	3.22	2.87	1.28	0.319415	0.570224	ZFP3	zinc finger protein 3
13490736	3.22	2.89	1.26	0.345119	0.579994	AT4G28160	hydroxyproline-rich glycoprotein family protein
13390542	3.22	2.91	1.23	0.590001	0.726928	AT2G01667	hypothetical protein
13345864	3.22	3.01	1.16	0.734821	0.826332	AT1G29550	translation initiation factor eIF-4E
13407141	3.22	3	1.16	0.334088	0.576298	PP2-B2	phloem protein 2-B2
13506234	3.22	3.02	1.15	0.449248	0.635232	AT5G26940	exonuclease family protein
13365093	3.22	3.05	1.13	0.66166	0.775605	AT1G08170	histone H2B
13419035	3.22	3.08	1.1	0.789677	0.863875	AT2G39490	F-box protein
13353079	3.22	3.13	1.07	0.646642	0.764896	AT1G57613	hypothetical protein
13541654	3.22	3.2	1.02	0.960318	0.976511	AT5G60260	hypothetical protein
13506078	3.22	3.24	-1.02	0.953719	0.972493	AT5G26630	MADS-box protein AGL35
13384158	3.22	3.31	-1.07	0.747767	0.834573	SNC4	suppressor of npr1-1 constitutive 4
13501436	3.22	3.35	-1.1	0.73322	0.825493	PHB5	prohibitin 5
13499109	3.22	3.44	-1.17	0.024385	0.333062	AT5G08090	hypothetical protein
13470404	3.22	3.45	-1.18	0.348364	0.580705	AT4G18490	hypothetical protein
13486656	3.22	3.51	-1.22	0.026182	0.337568	AT4G18850	hypothetical protein
13469687	3.22	3.52	-1.23	0.013356	0.307369	AT4G16745	Exostosin family protein
13451308	3.22	3.52	-1.23	0.202431	0.510416	AT3G19430	late embryogenesis abundant protein-like protein
13484386	3.22	3.53	-1.24	0.173439	0.49082	AT4G14170	pentatricopeptide repeat-containing protein
13484915	3.22	3.61	-1.3	0.270623	0.548501	FH3	formin 3
13500170	3.22	3.61	-1.31	0.456813	0.639146	SYTD	calcium-dependent lipid-binding domain-containing protein
13466776	3.22	3.63	-1.32	0.268365	0.547007	ATPD	F-type H+-transporting ATPase subunit delta
13534849	3.22	3.78	-1.47	0.097595	0.433275	AT5G43200	C3HC4-type RING finger domain-containing protein
13355013	3.22	3.81	-1.5	0.087538	0.42349	AT1G64310	pentatricopeptide repeat-containing protein
13473704	3.22	3.85	-1.55	0.298434	0.562461	AT4G26120	ankyrin repeat and BTB/POZ domain-containing protein
13334902	3.22	3.93	-1.64	0.140827	0.467403	AT1G02550	plant invertase/pectin methylesterase inhibitor domain-containing protein
13473203	3.22	3.98	-1.69	0.09709	0.433165	ACP4	acyl carrier protein 4
13499772	3.22	4.04	-1.76	0.068783	0.406403	AT5G09976	hypothetical protein
13503530	3.22	4.04	-1.77	0.061724	0.398248	NUDT24	nudix hydrolase 24
13336057	3.22	4.23	-2	0.202331	0.510403	AT1G05330	hypothetical protein
13420977	3.22	4.32	-2.15	0.398005	0.604762	AT2G43865	hypothetical protein
13466450	3.22	4.46	-2.35	0.244784	0.535223	AT4G08740	hypothetical protein
13475309	3.22	4.58	-2.57	0.285515	0.556418	AT4G29650	cytidine deaminase 4
13387161	3.22	4.59	-2.59	0.338405	0.577332	AT1G74070	cyclophilin-like peptidyl-prolyl cis-trans isomerase-like protein
13336586	3.22	4.78	-2.95	0.370871	0.591914		
13356766	3.22	4.78	-2.95	0.370871	0.591914		
13367381	3.22	4.78	-2.95	0.370871	0.591914		
13393990	3.22	4.78	-2.95	0.370871	0.591914		
13423272	3.22	4.78	-2.95	0.370871	0.591914		
13479827	3.22	4.78	-2.95	0.370871	0.591914		

13508242	3.22	4.78	-2.95	0.370871	0.591914		
13515744	3.22	4.78	-2.95	0.370871	0.591914		
13520186	3.22	4.78	-2.95	0.370871	0.591914		
13491213	3.22	4.99	-3.43	0.049521	0.378802	PLP8	PATATIN-like protein 8
13390591	3.21	2.8	1.32	0.315887	0.568464	RR14	two-component response regulator ARR14
13338314	3.21	2.83	1.3	0.254163	0.539615	AT1G10330	pentatricopeptide repeat-containing protein
13436966	3.21	2.86	1.27	0.155023	0.477992	AT3G48390	MA3 domain-containing protein
13545547	3.21	2.87	1.26	0.625844	0.750499		
13343169	3.21	2.9	1.24	0.489826	0.658225	UREF	urease accessory protein F
13467452	3.21	2.9	1.24	0.304102	0.564633	AT4G11400	ARID/BRIGHT DNA-binding , ELM2 domain and myb-like DNA-binding domain-containing protein
13357255	3.21	2.94	1.2	0.047698	0.37767	LGT8	putative galacturonosyltransferase-like 9
13379449	3.21	2.95	1.2	0.423996	0.619536	NAC020	NAC domain containing protein 20
13480845	3.21	2.96	1.2	0.575687	0.716779	AT4G02160	hypothetical protein
13511094	3.21	2.95	1.2	0.224632	0.524988	AT5G45990	putative crooked neck protein / cell cycle protein
13380664	3.21	3.07	1.1	0.607724	0.737854	AT1G58007	hypothetical protein
13391239	3.21	3.07	1.1	0.670407	0.781207	AT2G03565	hypothetical protein
13424122	3.21	3.09	1.09	0.758308	0.84168	AT3G04450	myb family transcription factor
13485365	3.21	3.16	1.03	0.814186	0.881143	SPH1	S-protein homologue 1
13434775	3.21	3.18	1.02	0.815995	0.882299	QQS	qua-quine starch
13504040	3.21	3.34	-1.1	0.727145	0.821047	AT5G20640; COPT5	hypothetical protein; copper transporter 5
13505271	3.21	3.35	-1.1	0.746119	0.833287	PTAC7	plastid transcriptionally active7
13541237	3.21	3.36	-1.11	0.04503	0.374597	AT5G59100	Subtilisin-like serine endopeptidase family protein
13471969	3.21	3.4	-1.14	0.373293	0.592428	AT4G22050	aspartyl protease family protein
13352345	3.21	3.41	-1.15	0.71097	0.809866	AT1G55045	hypothetical protein
13441897	3.21	3.43	-1.16	0.181447	0.49681	AT3G60730	putative pectinesterase/pectinesterase inhibitor 36
13369895	3.21	3.43	-1.17	0.83983	0.899059	GLP4	germin-like protein subfamily T member 1
13486936	3.21	3.5	-1.22	0.235237	0.529705	AT4G19470	Leucine-rich repeat (LRR) family protein
13386105	3.21	3.52	-1.24	0.664299	0.777046	AT1G71490; AT1G71480	pentatricopeptide repeat-containing protein; nuclear transport factor 2-like protein
13496958	3.21	3.53	-1.24	0.605679	0.736529	AT5G03390	hypothetical protein
13473806	3.21	3.55	-1.26	0.433074	0.625192	AT4G26390	pyruvate kinase
13482622	3.21	3.6	-1.31	0.339877	0.578023	AT4G09965	hypothetical protein
13387934	3.21	3.79	-1.5	0.314687	0.568201	CDSP32	thioredoxin-like protein CDSP32
13420874	3.21	3.84	-1.54	0.047253	0.377622	AT2G43580	chitinase-like protein
13371792	3.21	3.85	-1.56	0.061705	0.398248	AT1G23740	quinone oxidoreductase-like protein
13384037	3.21	3.86	-1.56	0.301893	0.563858	AT1G66620	E3 ubiquitin-protein ligase SINA-like 2
13368882	3.21	3.88	-1.58	0.027665	0.343507	VHP2;2	Pyrophosphate-energized membrane proton pump 3
13493425	3.21	3.86	-1.58	0.145262	0.470051	AT4G34330	hypothetical protein
13392708	3.21	3.9	-1.61	0.177202	0.493375	CHX15	cation/H(+) antiporter 15
13523782	3.21	3.98	-1.71	0.278974	0.553667	VPS9B	Vacuolar sorting protein 9 (VPS9) domain protein
13426809	3.21	4.02	-1.75	0.198255	0.508011	AT3G11390	cysteine/histidine-rich C1 domain-containing protein
13451050	3.21	4.03	-1.77	0.557316	0.704047		

13469402	3.21	4.03	-1.77	0.557316	0.704047		
13484594	3.21	4.03	-1.77	0.557316	0.704047		
13376741	3.21	4.16	-1.93	0.271536	0.548926	MYB112	myb domain protein 112
13462927	3.21	4.25	-2.06	0.011022	0.297771	AT3G61720	Ca2+dependent plant phosphoribosyltransferase family protein
13416368	3.21	4.37	-2.23	0.016659	0.316275	RIC1	ROP-interactive CRIB motif-containing protein 1
13540849	3.21	4.39	-2.26	0.212235	0.517382	AT5G58260	oxidoreductase
13426708	3.21	4.42	-2.32	0.10351	0.436308	FER2	ferritin 2
13409491	3.21	4.43	-2.33	0.30216	0.563897	AT2G16955	hypothetical protein
13464204	3.21	4.46	-2.37	0.516454	0.676217	AT4G00980	zinc knuckle (CCHC-type) family protein
13544671	3.21	4.59	-2.6	0.413253	0.613675	CYP81G1; MYBR1	cytochrome P450, family 81, subfamily G, polypeptide 1; transcription factor MYB44
13487855	3.21	4.95	-3.35	0.167267	0.486855	SCRL26	putative defensin-like protein 235
13481912	3.21	5.18	-3.93	0.073086	0.408856	PSBQ-2	oxygen-evolving enhancer protein 3-2
13373001	3.2	2.66	1.46	0.198281	0.508011	AT1G27610	hypothetical protein
13392253	3.2	2.65	1.46	0.532059	0.687546	AT2G07695	cytochrome c oxidase subunit II
13427826	3.2	2.71	1.41	0.117319	0.44724	AT3G13770	pentatricopeptide repeat-containing protein
13428245	3.2	2.85	1.28	0.18372	0.49846	AT3G14700; AT3G14710	SART-1 family protein; RNI-like protein
13351750	3.2	2.93	1.2	0.38007	0.595571	AT1G53660	nodulin MtN21 /EamA-like transporter protein
13536037	3.2	3.04	1.12	0.491503	0.659318	AT5G46040	peptide transporter PTR3-B
13395742	3.2	3.05	1.11	0.564246	0.708885	AT2G22060	hypothetical protein
13384177	3.2	3.14	1.04	0.739822	0.829115	AT1G67020	hypothetical protein
13417326	3.2	3.16	1.03	0.929743	0.95721	AT2G35658; CTF2A	hypothetical protein; CTF2A like oxidoreductase
13474027	3.2	3.2	1.01	0.970354	0.982557	MAPKKK16	mitogen-activated protein kinase kinase kinase 16
13420823	3.2	3.23	-1.02	0.953348	0.972339	AT2G43465	RNA-binding ASCH domain protein
13413007	3.2	3.29	-1.06	0.774222	0.852876	AUR2	serine/threonine-protein kinase aurora-2
13368920	3.2	3.3	-1.07	0.778641	0.855957	AT1G16820	V-ATPase-related protein
13412594	3.2	3.31	-1.08	0.742803	0.831077	AT2G25050; AT2G25052	formin-like protein 18; hypothetical protein
13542972	3.2	3.31	-1.08	0.175644	0.492343	RMI1	hypothetical protein
13507481	3.2	3.33	-1.09	0.74459	0.83223	scpl1	serine carboxypeptidase-like 1
13414444	3.2	3.42	-1.17	0.383467	0.597733	GLR2.9	glutamate receptor 2.9
13346775	3.2	3.46	-1.19	0.589283	0.726702	AT1G31690	putative copper amine oxidase
13414074	3.2	3.49	-1.22	0.209197	0.514593	ATCHX8	cation/H+ exchanger-like protein
13455137	3.2	3.53	-1.25	0.624233	0.749285	AT3G29305	hypothetical protein
13526675	3.2	3.58	-1.3	0.548334	0.69841	GLIP7	GDSL esterase/lipase 7
13403582	3.2	3.59	-1.31	0.001947	0.253459	CAM2; CAM3; CAM5	calmodulin 2; calmodulin 3; calmodulin 5
13369110	3.2	3.61	-1.32	0.096002	0.431952	AT1G17310	MADS-box transcription factor-like protein
13507355	3.2	3.6	-1.32	0.288623	0.557676	AT5G35640	Putative endonuclease or glycosyl hydrolase
13517385	3.2	3.67	-1.38	0.673928	0.783971	AT5G60240; SEN2	hypothetical protein; tRNA-splicing endonuclease subunit Sen2-2
13359123	3.2	3.68	-1.39	0.330813	0.575883	MYB95	myb domain protein 95
13430261	3.2	3.73	-1.44	0.045011	0.374597	AT3G18840	pentatricopeptide repeat-containing protein
13466519	3.2	3.74	-1.46	0.072621	0.408352	EXO	Phosphate-responsive 1 family protein

13475666	3.2	3.77	-1.48	0.377791	0.594163	AT4G30800	40S ribosomal protein S11-2
13351300	3.2	3.78	-1.5	0.362319	0.588038	RBL5	RHOMBOID-like protein 5
13364807	3.2	3.83	-1.54	0.356175	0.584705	DSI-1VOC	dessication-induced 1VOC-like protein
13347654	3.2	3.89	-1.62	0.050591	0.380985	AT1G34050	ankyrin repeats-containing protein
13507328	3.2	3.94	-1.67	0.064572	0.401581	TT2	transcription factor TT2
13467952	3.2	4	-1.74	0.110124	0.441206	AT4G12870	Gamma interferon responsive lysosomal thiol (GILT) reductase family protein
13460298	3.2	4.03	-1.77	0.01874	0.321499	AT3G55090	ABC transporter G family member 16
13435837	3.2	4.05	-1.8	0.16255	0.484622	AT3G45680	major facilitator protein
13343776	3.2	4.1	-1.87	0.309882	0.566973	AT1G23201	hypothetical protein
13335846	3.2	4.14	-1.92	0.004119	0.262292	YUC3	YUCCA family monooxygenase
13417020	3.2	4.14	-1.92	0.63679	0.75839		
13469561	3.2	4.14	-1.92	0.63679	0.75839		
13487154	3.2	4.14	-1.92	0.63679	0.75839		
13492208	3.2	4.14	-1.92	0.63679	0.75839		
13510578	3.2	4.14	-1.92	0.63679	0.75839		
13387331	3.2	4.2	-2	0.40161	0.60689	CYP98A8	p-coumarate 3-hydroxylase
13407565	3.2	4.27	-2.09	0.493768	0.660831		
13335356	3.2	4.53	-2.51	0.248889	0.536631	AT1G03495	HXXXD-type acyl-transferase-like protein
13415447	3.2	4.55	-2.54	0.257547	0.541251	AT2G31480	hypothetical protein
13499650	3.2	4.56	-2.56	0.367821	0.590874	SDH3-1; SDH3-2	succinate dehydrogenase 3-1; succinate dehydrogenase 3-2
13353381	3.2	4.57	-2.58	0.071026	0.407839	AT1G59218; AT1G58848; AT1G58807; AT1G59124	putative disease resistance protein RDL6/RF9; putative disease resistance protein RDL5/RF45
13412704	3.2	4.66	-2.76	0.063131	0.399045	AT2G25240	serpin-Z10
13381126	3.2	4.73	-2.89	0.170705	0.488769	AT1G59920	MADS-box family protein
13434805	3.2	5.01	-3.52	0.286406	0.557056	AT3G31350	hypothetical protein
13338103	3.2	5.41	-4.63	0.071737	0.408234	AT1G09750	aspartyl protease-like protein
13393188	3.2	6	-6.98	0.015327	0.313468	UGT73B4	UDP-glycosyltransferase 73B4
13352970	3.19	2.27	1.88	0.211966	0.517359	AT1G56540	TIR-NBS-LRR class disease resistance protein
13461458	3.19	2.31	1.83	0.009715	0.296261	AT3G58150	Optic atrophy 3 protein (OPA3)
13490270	3.19	2.56	1.55	0.267299	0.546492	AT4G27220	NB-ARC domain-containing disease resistance protein
13505892	3.19	2.58	1.53	0.290558	0.5586	AT5G26200	Mitochondrial substrate carrier family protein
13439083	3.19	2.61	1.49	0.294044	0.560422	AT3G53840	wall-associated receptor kinase-like 15
13496395	3.19	2.66	1.44	0.139637	0.466238	AT5G02080	phosphopantothenate--cysteine ligase 2
13375462	3.19	2.68	1.42	0.155387	0.47818	AT1G34380; STOP1	5'-3' exonuclease-like protein; protein SENSITIVE TO PROTON RHIZOTOXICITY 1
13388797	3.19	2.72	1.39	0.093167	0.429815	AT1G77880	putative F-box protein
13375202	3.19	2.73	1.37	0.134494	0.463251	AT1G33475	putative VAMP-like protein
13543594	3.19	2.75	1.36	0.020202	0.322692	AT5G64980	hypothetical protein
13369398	3.19	2.82	1.29	0.107438	0.4394	EGY3; AT1G17860	ethylene-dependent gravitropism-deficient and yellow-green-like 3 protein; kunitz type trypsin and protease inhibitor domain-containing protein

13458583	3.19	2.91	1.22	0.389967	0.599985	AT3G51190	60S ribosomal protein L8-2
13406483	3.19	2.96	1.17	0.365266	0.589672	CRR6	chlororespiratory reduction 6
13345899	3.19	2.97	1.16	0.490639	0.658772	eIF4E3	translation initiation factor eIF-4E
13388007	3.19	3.01	1.13	0.758917	0.842118	AT1G76220	hypothetical protein
13478435	3.19	3.02	1.12	0.715933	0.813464	AT4G36510	hypothetical protein
13483242	3.19	3.09	1.07	0.668438	0.77974	AT4G11610	C2 calcium/lipid-binding and phosphoribosyltransferase C-terminal domain-containing protein
13520475	3.19	3.1	1.07	0.456724	0.639115	IRX14-L	glycosyl transferase family 43 protein
13409586	3.19	3.1	1.06	0.183577	0.498367	AT2G17210	pentatricopeptide repeat-containing protein
13421217	3.19	3.13	1.05	0.899705	0.938208	AT2G44370	cysteine/histidine-rich C1 domain-containing protein
13447928	3.19	3.15	1.03	0.569038	0.711808	NHL1	NDR1/HIN1-Like protein 1
13513737	3.19	3.15	1.03	0.861737	0.913932	AHG1	protein phosphatase
13526251	3.19	3.26	-1.05	0.67093	0.78168	AT5G14690	hypothetical protein
13429678	3.19	3.32	-1.09	0.776375	0.854399	AT3G17712	hypothetical protein
13443389	3.19	3.32	-1.1	0.423591	0.619186	AT3G01710	TPX2 (targeting protein for Xklp2) protein family
13435002	3.19	3.36	-1.12	0.200988	0.510017	AT3G42870	hypothetical protein
13492039	3.19	3.39	-1.15	0.05938	0.39493	AT4G31615	B3 domain-containing protein REM2
13522216	3.19	3.38	-1.15	0.713721	0.811726	G18E	autophagy-related protein 18E
13524104	3.19	3.54	-1.27	0.042007	0.368598	GCN2	ABC transporter F family member 2
13406250	3.19	3.56	-1.29	0.278821	0.55348	CAO	signal recognition particle 43 kDa protein
13502688	3.19	3.58	-1.31	0.197239	0.507663	AT5G17500	glycosyl hydrolase family 5 protein
13450438	3.19	3.6	-1.33	0.177389	0.49345	AT3G17060	putative pectinesterase 67
13490579	3.19	3.6	-1.33	0.252648	0.538805	BGLU9	beta glucosidase 9
13370415	3.19	3.62	-1.34	0.516061	0.675981	AT1G20400	hypothetical protein
13481896	3.19	3.66	-1.38	0.556095	0.703405	AT4G05140	Nucleoside transporter family protein
13495653	3.19	3.72	-1.43	0.203299	0.510709	AT4G39240	F-box/kelch-repeat protein
13404262	3.19	3.76	-1.49	0.142698	0.468771	AT2G42900	basic secretory protein (BSP) family protein
13364906	3.19	3.81	-1.54	0.093128	0.429815	AT1G07885	hypothetical protein
13372801	3.19	3.89	-1.62	0.05126	0.382129	AT1G27040	putative peptide/nitrate transporter
13347830	3.19	3.94	-1.68	0.312111	0.567398	ARF22	auxin response factor 22
13400810	3.19	4.01	-1.77	0.117759	0.447676	AT2G34810	FAD-binding and BBE domain-containing protein
13450907	3.19	4.02	-1.78	0.29617	0.561293	AT3G18570	oleosin / glycine-rich protein
13422234	3.19	4.09	-1.87	0.189289	0.503111	PIL1	transcription factor PIL1
13487020	3.19	4.18	-1.98	0.590394	0.72711	AT4G19750	Glycosyl hydrolase family protein with chitinase insertion domain
13522622	3.19	4.27	-2.11	0.05007	0.380098	AT5G06250	AP2/B3 domain-containing protein
13403955	3.19	4.46	-2.41	0.408072	0.610585	AT2G41990	hypothetical protein
13342047	3.19	4.48	-2.43	0.309312	0.566768	AT1G18960	myb-like HTH transcriptional regulator-like protein
13377777	3.19	4.5	-2.48	0.413898	0.614047	AT1G50190	Cysteine/Histidine-rich C1 domain family protein
13383269	3.19	4.51	-2.51	0.12327	0.453558	AT1G64830	aspartyl protease-like protein
13490742	3.19	4.88	-3.23	0.373291	0.592428	AT4G28181	hypothetical protein
13431240	3.19	4.9	-3.27	0.151362	0.473698	AT3G20820	leucine-rich repeat-containing protein
13491749	3.19	4.97	-3.44	0.40025	0.60596		
13356407	3.18	2.14	2.05	0.066777	0.404128	TSM1	putative caffeoyl-CoA O-methyltransferase

13544420	3.18	2.52	1.59	0.051082	0.382129	AT5G66670	hypothetical protein
13345835	3.18	2.73	1.37	0.008829	0.293015	AT1G29465	hypothetical protein
13491676	3.18	2.72	1.37	0.34868	0.580856	AT4G30680	Initiation factor eIF-4 gamma, MA3
13537496	3.18	2.79	1.31	0.183173	0.497967	AT5G49610	F-box protein
13417552	3.18	2.85	1.26	0.369305	0.591463	AT2G36255	putative defensin-like protein 203
13465628	3.18	2.86	1.26	0.247215	0.535874	AT4G04402	putative two-component phosphorelay mediator
13524632	3.18	2.85	1.25	0.181283	0.496704	AT5G10946	hypothetical protein
13443619	3.18	2.89	1.22	0.632284	0.755029	AT3G02330	pentatricopeptide repeat-containing protein
13517402	3.18	2.94	1.18	0.062358	0.398248	AT5G60290	hypothetical protein
13462713	3.18	3.03	1.11	0.790699	0.864531	AT3G61113	ubiquitin-related modifier 1-2
13516991	3.18	3.03	1.11	0.615025	0.743497	AT5G59350	hypothetical protein
13363609	3.18	3.11	1.05	0.552488	0.701202	AT1G05150	Calcium-binding tetratricopeptide family protein
13354084	3.18	3.12	1.04	0.69257	0.797058	AT1G61415	hypothetical protein
13362727	3.18	3.14	1.03	0.885765	0.930155	AT1G03390	HXXXD-type acyl-transferase-like protein
13432550	3.18	3.15	1.02	0.949898	0.970092	AT3G23850	hypothetical protein
13459365	3.18	3.17	1.01	0.976659	0.986078	AT3G53170	tetratricopeptide repeat domain-containing protein
13477466	3.18	3.2	-1.01	0.958177	0.975133	AT4G34320	hypothetical protein
13377992	3.18	3.2	-1.02	0.900554	0.938853	AT1G50680	RAV-like factor
13508602	3.18	3.21	-1.02	0.907088	0.943359	AT5G40180	hypothetical protein
13439053	3.18	3.27	-1.06	0.183294	0.498153	TRFL4	protein TRF-like 4
13388880	3.18	3.27	-1.07	0.785972	0.861141	AT1G78210	alpha/beta-hydrolase domain-containing protein
13492270	3.18	3.27	-1.07	0.868088	0.917947	AT4G32090	beta-1,3-N-Acetylglucosaminyltransferase family protein
13370187	3.18	3.31	-1.1	0.151507	0.473884	SRS7	SHI-related sequence 7 protein
13405054	3.18	3.36	-1.13	0.063438	0.399503	AT2G44735	hypothetical protein
13475551	3.18	3.35	-1.13	0.52598	0.683213	AT4G30380	putative EG45-like domain-containing protein 1
13399094	3.18	3.38	-1.14	0.264742	0.545611	TBL43	trichome birefringence-like 43 protein
13453421	3.18	3.37	-1.15	0.866141	0.916549	ROPGEF8	RHO guanyl-nucleotide exchange factor 8
13422298	3.18	3.43	-1.19	0.253388	0.539247	AT2G47050	plant invertase/pectin methylesterase inhibitor domain-containing protein
13440315	3.18	3.48	-1.23	0.617509	0.745177	AT3G56870	hypothetical protein
13458471	3.18	3.49	-1.24	0.103212	0.435922	AT3G50840	Phototropic-responsive NPH3 family protein
13478741	3.18	3.49	-1.24	0.436852	0.627749	AT4G37240	hypothetical protein
13396276	3.18	3.52	-1.27	0.449911	0.635429	AT2G23200	putative receptor-like protein kinase
13544539	3.18	3.6	-1.34	0.110621	0.441823	AT5G67010	putative ethylene-responsive transcription factor ERF121
13468405	3.18	3.62	-1.36	0.049086	0.378092	PRD1	protein PRD1
13408532	3.18	3.66	-1.39	0.494633	0.66136	AT2G11570	hypothetical protein
13508931	3.18	3.66	-1.39	0.055109	0.387213	AT5G40860	hypothetical protein
13359872	3.18	3.67	-1.4	0.031449	0.351992	AT1G76600	hypothetical protein
13531954	3.18	3.73	-1.46	0.168016	0.487067	AT5G29210	hypothetical protein
13349765	3.18	3.87	-1.61	0.117226	0.447115	YUC10	flavin-containing monooxygenase-like protein
13518218	3.18	3.92	-1.68	0.394672	0.60291	ZIP12	putative zinc transporter 12
13405669	3.18	4.1	-1.89	0.376072	0.593207	AT2G46190	glycoprotein family protein

13507034	3.18	4.16	-1.97	0.06191	0.398248	AT5G30500	putative galactinol synthase
13398618	3.18	4.29	-2.17	0.222918	0.524028	AT2G29430	hypothetical protein
13422689	3.18	4.33	-2.21	0.395081	0.603141	ISU2	protein ISCU-like 2
13501165	3.18	4.35	-2.25	0.102177	0.435549	AT5G13720	hypothetical protein
13539549	3.18	4.38	-2.29	0.375822	0.593207	MYB120	myb domain protein 120
13434017	3.18	4.46	-2.44	0.418387	0.616376	OLEO4	oleosin 4
13373661	3.18	4.49	-2.48	0.356343	0.584728	COR413IM1	cold regulated 314 inner membrane 1
13371030	3.18	4.49	-2.49	0.444479	0.632155	sks7	SKU5 similar 7 protein
13434941	3.18	4.53	-2.56	0.421941	0.618195	AT3G42385	hypothetical protein
13505635	3.18	4.58	-2.63	0.376438	0.593346	AT5G25400	Nucleotide-sugar transporter family protein
13495935	3.18	4.66	-2.79	0.105925	0.43765	SNRK2.7	serine/threonine-protein kinase SRK2F
13517988	3.18	4.95	-3.4	0.014349	0.313095	CYCP4;2	cyclin-U4-3
13520552	3.18	5.17	-3.97	0.171832	0.489531	AT5G67490	hypothetical protein
13355305	3.18	5.22	-4.1	0.166133	0.486235	CYP89A2	cytochrome P450 89A2
13437976	3.18	5.73	-5.84	0.039538	0.364953	F3H	Naringenin,2-oxoglutarate 3-dioxygenase
13455293	3.17	2.44	1.65	0.340379	0.578112	AT3G30247	hypothetical protein
13434323	3.17	2.68	1.4	0.120739	0.452244	AT3G28570	AAA-type ATPase family protein
13545505	3.17	2.78	1.31	0.530163	0.686583		
13366593	3.17	2.85	1.25	0.688768	0.794025	AT1G11145	hypothetical protein
13533178	3.17	2.85	1.25	0.34399	0.579288	NF-YC12	nuclear transcription factor Y subunit C-10
13437257	3.17	3	1.13	0.568719	0.711534	AT3G48950	glycoside hydrolase family 28 protein / polygalacturonase (pectinase) family protein
13434311	3.17	3.09	1.06	0.41765	0.616073	AT3G28520	AAA-type ATPase family protein
13407985	3.17	3.16	1.01	0.935177	0.960894	AT2G05370	hypothetical protein
13353048	3.17	3.2	-1.02	0.915737	0.949074		
13353054	3.17	3.2	-1.02	0.915737	0.949074		
13460824	3.17	3.25	-1.06	0.253508	0.539332	AT3G56550	pentatricopeptide repeat-containing protein
13485712	3.17	3.3	-1.09	0.737382	0.827961		
13403492	3.17	3.31	-1.11	0.234492	0.529692	AT2G40960	Single-stranded nucleic acid binding R3H protein
13510508	3.17	3.43	-1.19	0.028322	0.345756	AT5G44574	hypothetical protein
13354530	3.17	3.6	-1.34	0.321036	0.570941	ACOS5	4-coumarate--CoA ligase-like 1
13382758	3.17	3.63	-1.37	0.160322	0.482897	AT1G63535	putative defensin-like protein 279
13371271	3.17	3.65	-1.39	0.201545	0.510189	AT1G22460	O-fucosyltransferase family protein
13396965	3.17	3.66	-1.41	0.231001	0.527788	AT2G25370	RING/U-box domain-containing protein
13485092	3.17	3.69	-1.43	0.172885	0.490188	AT4G15755	calcium-dependent lipid-binding domain-containing protein
13388139	3.17	3.7	-1.45	0.159573	0.481832	AT1G76470	Rossmann-fold NAD(P)-binding domain-containing protein
13463563	3.17	3.8	-1.55	0.261343	0.543266	AT3G63160	hypothetical protein
13487754	3.17	3.82	-1.57	0.295585	0.561114	AT4G21870	heat shock protein class V 15.4
13414500	3.17	3.83	-1.58	0.350117	0.581723	AT2G29250	concanavalin A-like lectin protein kinase-like protein
13369422	3.17	3.85	-1.6	0.370612	0.591914	HDG12	homeobox-leucine zipper protein HDG12
13422161	3.17	3.91	-1.67	0.162488	0.484548	EMB2301	NAC domain-containing protein 43
13466967	3.17	3.93	-1.69	0.080998	0.41589	ATSPS4F	sucrose-phosphate synthase
13372128	3.17	3.98	-1.76	0.368124	0.590886	AT1G24480; KCR2	S-adenosylmethionine-dependent methyltransferase domain-containing protein; beta-ketoacyl reductase 2

13368864	3.17	3.99	-1.77	0.337345	0.577005	UP6; HCF173	hypothetical protein; high chlorophyll fluorescence phenotype 173 protein
13494535	3.17	4	-1.78	0.080187	0.414375	CP1	cysteine proteinase1
13406254	3.17	4.13	-1.94	0.000007	0.104236	MYB12	transcription factor MYB12
13530780	3.17	4.21	-2.05	0.402644	0.607258	AT5G25200	hypothetical protein
13521209	3.17	4.34	-2.24	0.226168	0.525061	AT5G02330	cysteine/histidine-rich C1 domain-containing protein
13499048	3.17	4.48	-2.48	0.041024	0.366381	TT7	Flavonoid 3'-monooxygenase
13408219	3.17	4.64	-2.76	0.326624	0.57381	AT2G07240	cysteine-type peptidase
13521116	3.17	4.87	-3.26	0.009675	0.296261	AT5G02000	hypothetical protein
13392513	3.17	4.94	-3.4	0.243737	0.534763	AT2G11010	hypothetical protein
13436463	3.17	5.42	-4.78	0.044891	0.374597	AT3G47540	putative chitinase
13501251	3.17	6.85	-12.83	0.016087	0.315398	TT4	chalcone synthase
13518109	3.16	2.25	1.87	0.100866	0.434702	AT5G61940	Ubiquitin carboxyl-terminal hydrolase-related protein
13375224	3.16	2.27	1.85	0.150358	0.473213	scpl18	serine carboxypeptidase-like 18
13385883	3.16	2.61	1.46	0.132085	0.46218	AT1G70870	SRPBCC ligand-binding domain-containing protein
13380310	3.16	2.72	1.36	0.361441	0.5879	MYB72	myb domain protein 72
13350367	3.16	2.85	1.24	0.450015	0.63543	AT1G50400	mitochondrial import receptor subunit TOM40
13502005	3.16	2.85	1.24	0.150896	0.473611	AT5G15853	hypothetical protein
13391356	3.16	2.93	1.17	0.576953	0.717284	AT2G03822	hypothetical protein
13404331	3.16	2.95	1.16	0.369666	0.591643	ATPMEPCRD	putative pectinesterase/ pectinerase inhibitor 16
13398467	3.16	2.98	1.14	0.563586	0.708394	LCR62	putative defensin-like protein 170
13360571	3.16	3	1.12	0.474377	0.648847	AT1G78180	Mitochondrial substrate carrier family protein
13381570	3.16	3.03	1.09	0.146989	0.470962		
13384783	3.16	3.05	1.08	0.507411	0.670615	AT1G68030	RING/FYVE/PHD zinc finger protein
13400446	3.16	3.07	1.06	0.824935	0.888269	AT2G34010	hypothetical protein
13478759	3.16	3.1	1.05	0.8808	0.92705	BRU6	indole-3-acetic acid-amido synthetase GH3.2
13529284	3.16	3.1	1.04	0.887305	0.930967	AT5G22250	putative CCR4-associated factor 1-11
13538822	3.16	3.12	1.03	0.924054	0.954199	AT5G52900	hypothetical protein
13541321	3.16	3.15	1.01	0.986013	0.991877	AT5G59270	concanavalin A-like lectin kinase-like protein
13377545	3.16	3.18	-1.01	0.872614	0.921046	AT1G49730; ABF1	protein kinase domain-containing protein; abscisic acid-insensitive 5-like protein 4
13463605	3.16	3.2	-1.03	0.923698	0.954007	AT3G63233	hypothetical protein
13526648	3.16	3.27	-1.08	0.870535	0.919611	AT5G15690	zinc ion binding protein
13393327	3.16	3.28	-1.09	0.610248	0.740039		
13367528	3.16	3.3	-1.1	0.583756	0.723005	AT1G13550	hypothetical protein
13470339	3.16	3.33	-1.12	0.828685	0.8912	AT4G18375	KH domain-containing protein
13402007	3.16	3.33	-1.13	0.474868	0.64915	ORC2	origin recognition complex subunit 2
13364834	3.16	3.39	-1.17	0.294563	0.560624	AT1G07740; AT1G07730	pentatricopeptide repeat-containing protein; disease resistance-responsive, dirigent domain-containing protein
13461498	3.16	3.39	-1.17	0.33964	0.577996	AT3G58230	Ubiquitin-specific protease family C19-related protein
13424066	3.16	3.4	-1.18	0.652733	0.769605	AT3G04300	cupin domain-containing protein

13443626	3.16	3.43	-1.2	0.062073	0.398248	ICME-LIKE2	alpha/beta-hydrolase domain-containing protein
13344623	3.16	3.43	-1.21	0.595931	0.730362	AT1G26330	DNA binding protein
13353524	3.16	3.44	-1.22	0.213518	0.518061	GSTU16	glutathione S-transferase TAU 16
13473175	3.16	3.53	-1.3	0.062792	0.398525	TPD1	tapetum determinant 1
13443909	3.16	3.59	-1.35	0.449906	0.635429	VGT1	D-xylose-proton symporter-like 1
13477188	3.16	3.6	-1.35	0.479664	0.651994	AT4G33710	putative pathogenesis-related protein
13460363	3.16	3.6	-1.36	0.037378	0.360826	PPL1	PsbP-like protein 1
13443986	3.16	3.65	-1.41	0.232264	0.528375	HDG8	homeobox-leucine zipper protein HDG8
13436259	3.16	3.68	-1.43	0.33449	0.576537	AT3G46860	serine protease inhibitor / potato inhibitor I domain-containing protein
13499292	3.16	3.72	-1.47	0.2412	0.533485	AT5G08480	VQ motif-containing protein
13470847	3.16	3.73	-1.49	0.341809	0.578744	AT4G19530	TIR-NBS-LRR class disease resistance protein
13362203	3.16	3.77	-1.53	0.13299	0.462568	AT1G02040	C2H2-type zinc finger protein
13370303	3.16	3.78	-1.54	0.1479	0.471913	AT1G20070	hypothetical protein
13416171	3.16	3.8	-1.56	0.180063	0.495641	CSLD1	cellulose synthase-like protein D1
13450855	3.16	3.87	-1.63	0.457462	0.639458	AT3G18450	PLAC8 family protein
13455210	3.16	3.92	-1.69	0.036018	0.357964	AT5MAT	HXXXD-type acyl-transferase-like protein
13408613	3.16	3.98	-1.76	0.361553	0.5879	AT2G12935	hypothetical protein
13378127	3.16	4.09	-1.9	0.072179	0.408352	LPAT3	1-acyl-sn-glycerol-3-phosphate acyltransferase 3
13540784	3.16	4.2	-2.05	0.409601	0.611115	SVL4	protein SEUSS-like 4
13368236	3.16	4.21	-2.08	0.029561	0.348325	AT1G15040; AT1G15030	class I glutamine amidotransferase domain-containing protein; hypothetical protein
13354281	3.16	4.48	-2.5	0.512757	0.674093	AT1G62000	hypothetical protein
13393470	3.16	4.9	-3.35	0.012976	0.304634	AT2G16890	UDP-glycosyltransferase-like protein
13471795	3.16	5.05	-3.71	0.296699	0.561961	GA3OX3	gibberellin 3-beta-dioxygenase 3
13336008	3.16	5.19	-4.08	0.248593	0.53653	AT1G05140	peptidase M50-like protein
13508159	3.16	5.75	-6.03	0.013943	0.310945	AT5G38710	proline dehydrogenase 2
13387050	3.16	5.96	-6.95	0.320019	0.570589	AT1G73890	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13367703	3.15	1.83	2.51	0.027965	0.344388		
13528079	3.15	2.3	1.8	0.169867	0.48812	AT5G18950	pentatricopeptide repeat-containing protein
13492415	3.15	2.49	1.58	0.250345	0.537531	AT4G32342	hypothetical protein
13456361	3.15	2.75	1.32	0.050387	0.380289	AT3G45420	concanavalin A-like lectin kinase-like protein
13409967	3.15	2.8	1.27	0.340533	0.578179	AT2G18180	sec.4-like phosphatidylinositol transfer-like protein
13452670	3.15	2.92	1.18	0.720729	0.816881	AT3G22700	F-box protein
13511446	3.15	2.97	1.13	0.447334	0.634243	AT5G46873	putative defensin-like protein 303
13452511	3.15	3.01	1.1	0.553084	0.701678	AT3G22160	VQ motif-containing protein
13477871	3.15	3.02	1.1	0.70717	0.80752	AT4G35295	putative homoserine kinase
13440730	3.15	3.04	1.08	0.444324	0.63204	UVI4-LIKE	UV-B-insensitive 4-like protein
13484761	3.15	3.04	1.08	0.810638	0.878797	AT4G14840; AT4G14830	hypothetical protein
13461716	3.15	3.09	1.04	0.929362	0.957019	AT3G58650	hypothetical protein
13390653	3.15	3.11	1.02	0.879877	0.926522	SGR5	C2H2-like zinc finger protein
13435734	3.15	3.14	1.01	0.982288	0.989692	AT3G45110	hypothetical protein
13411578	3.15	3.18	-1.02	0.966818	0.980576	AT2G22160	putative cysteine proteinase
13441058	3.15	3.19	-1.03	0.494189	0.661014		

13372161	3.15	3.25	-1.07	0.204444	0.511362	AT1G24620	putative calcium-binding protein CML25
13351573	3.15	3.26	-1.08	0.810883	0.8789	AT1G53250	hypothetical protein
13433194	3.15	3.26	-1.08	0.619605	0.746666	CHUP1	protein CHUP1
13373972	3.15	3.29	-1.1	0.700947	0.80324	AT1G30060	COP1-interacting protein-like protein
13477826	3.15	3.32	-1.12	0.691615	0.796344	AT4G35120	putative F-box/kelch-repeat protein
13392863	3.15	3.33	-1.13	0.673311	0.783506	DRP3B	dynamin-related protein 3B
13496452	3.15	3.37	-1.16	0.409393	0.610961	AT5G02180	Transmembrane amino acid transporter family protein
13430594	3.15	3.39	-1.19	0.396272	0.60401	AT3G19470	F-box protein
13510517	3.15	3.39	-1.19	0.527493	0.68447	AT5G44578	hypothetical protein
13386788	3.15	3.46	-1.24	0.512294	0.673733	scpl5	serine carboxypeptidase-like 5
13424029	3.15	3.5	-1.27	0.371539	0.591914	AGL57	protein agamous-like 57
13461930	3.15	3.49	-1.27	0.378409	0.594453	AT3G59230	putative F-box/LRR-repeat protein
13475746	3.15	3.49	-1.27	0.175827	0.492353	AT4G30940	BTB/POZ domain with WD40/YVTN repeat-containing protein
13355038	3.15	3.56	-1.33	0.242379	0.534004	AT1G64355	hypothetical protein
13537214	3.15	3.64	-1.41	0.014729	0.313095	PKT2; SAD1	3-ketoacyl-CoA thiolase 5; U6 snRNA-associated Sm-like protein LSm5
13337081	3.15	3.71	-1.47	0.413601	0.613917	AT1G07747	Bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin superfamily protein
13345870	3.15	3.75	-1.51	0.116367	0.446833	AT1G29560	Zinc finger C-x8-C-x5-C-x3-H type family protein
13526451	3.15	3.74	-1.51	0.156795	0.479551	HB30	homeobox protein 30
13527589	3.15	3.78	-1.55	0.453539	0.637261	AT5G17780	hydrolase, alpha/beta fold family protein
13403470	3.15	3.79	-1.56	0.094474	0.430979	PI4K GAMMA 1	phosphoinositide 4-kinase gamma 1
13404014	3.15	3.83	-1.6	0.041465	0.367619	SPL9	squamosa promoter-binding-like protein 9
13543211	3.15	3.91	-1.69	0.050921	0.381712	NAC103	NAC domain containing protein 103
13351091	3.15	3.94	-1.72	0.105427	0.437362	AT1G52190	putative peptide transporter
13367909	3.15	4.01	-1.81	0.147051	0.470962	AT1G14540	peroxidase 4
13379455	3.15	4.01	-1.81	0.354488	0.584365	AT1G54350	ABC transporter D family member 2
13400841	3.15	4.12	-1.97	0.010294	0.296261	AT2G34910	hypothetical protein
13384979	3.15	4.18	-2.04	0.051717	0.382313	AT1G68590	30S ribosomal protein 3-1
13423083	3.15	4.4	-2.38	0.086311	0.421791	ACR6	ACT domain-containing protein 6
13334787	3.15	4.64	-2.81	0.20954	0.514853	AT1G02190	putative CER1 protein
13497578	3.15	4.67	-2.86	0.196157	0.507008	CYP77A4	cytochrome P450, family 77, subfamily A, polypeptide 4
13432264	3.15	5.34	-4.56	0.023567	0.330805	AT3G23450	hypothetical protein
13347271	3.14	2.53	1.52	0.170992	0.489004	SBT3.3	Subtilase-like protein
13544713	3.14	2.56	1.49	0.014893	0.313095	AT5G67410	hypothetical protein
13412538	3.14	2.68	1.37	0.263748	0.544783	SDG21	histone-lysine N-methyltransferase, H3 lysine-9 specific SUVH8
13501482	3.14	2.77	1.29	0.086727	0.422315	AT5G14480	beta-1,4-mannosyl-glycoprotein
13370902	3.14	2.94	1.15	0.395024	0.603118		
13424443	3.14	3.01	1.1	0.798475	0.870442	AT3G05150	sugar transporter ERD6-like 8
13339654	3.14	3.08	1.04	0.771955	0.851463	AT1G13410	pentatricopeptide repeat-containing protein
13341481	3.14	3.09	1.04	0.844252	0.901732	AT1G17610	Disease resistance protein (TIR-NBS class)
13361561	3.14	3.09	1.04	0.798782	0.870597	AT1G80555	Isocitrate/isopropylmalate dehydrogenase family protein
13486069	3.14	3.08	1.04	0.844094	0.901631	AT4G17483	palmitoyl protein thioesterase family protein

13467470	3.14	3.21	-1.05	0.679865	0.788117	CRK30	putative cysteine-rich receptor-like protein kinase 30
13494207	3.14	3.23	-1.06	0.546129	0.696603	AT4G36270	ATP binding protein
13375995	3.14	3.23	-1.07	0.895399	0.935526		
13439925	3.14	3.23	-1.07	0.895399	0.935526		
13357779	3.14	3.24	-1.08	0.87518	0.922834	CSN5B	COP9 signalosome complex subunit 5a
13464062	3.14	3.31	-1.12	0.631129	0.754445	ULP1B	UB-like protease 1B
13424788	3.14	3.32	-1.13	0.294581	0.560624	AT3G05727	defensin-like protein 204
13378698	3.14	3.37	-1.18	0.525065	0.682582	AT1G52490	hypothetical protein
13361908	3.14	3.4	-1.2	0.380134	0.595571	RABA3	Rab family protein
13390661	3.14	3.41	-1.21	0.15243	0.475024	TET14	tetraspanin14
13479890	3.14	3.45	-1.24	0.382757	0.597148	AT4G00070	RING/U-box domain-containing protein
13381161	3.14	3.55	-1.33	0.23611	0.530423	AT1G60000	RNA recognition motif-containing protein
13454881	3.14	3.55	-1.33	0.34808	0.580705	AT3G28750	hypothetical protein
13501860	3.14	3.55	-1.33	0.122054	0.452662	AT5G15560	hypothetical protein
13353812	3.14	3.57	-1.35	0.241413	0.53362	AT1G60570	putative F-box/kelch-repeat protein
13417972	3.14	3.65	-1.42	0.1969	0.507617	ROT4	DVL family protein
13531269	3.14	3.64	-1.42	0.135744	0.464905	AT5G26620	hypothetical protein
13338203	3.14	3.69	-1.47	0.341651	0.578744	BCAT-1	branched-chain-amino-acid aminotransferase 1
13350227	3.14	3.82	-1.61	0.084031	0.417946	AT1G49990	F-box protein
13494329	3.14	3.84	-1.62	0.171898	0.489623	AT4G36460	hypothetical protein
13400636	3.14	3.87	-1.66	0.07021	0.406528	AT2G34370	pentatricopeptide repeat-containing protein
13542336	3.14	3.89	-1.68	0.364433	0.589374	APO3; AT5G61920	APO protein 3; hypothetical protein
13369498	3.14	3.89	-1.69	0.081558	0.416797	AT1G18000; AT1G18010	transmembrane transporter-like protein
13345673	3.14	3.94	-1.75	0.483856	0.654182	NUDX1	nudix hydrolase 1
13345675	3.14	3.94	-1.75	0.483856	0.654182	NUDX1	nudix hydrolase 1
13400438	3.14	3.94	-1.75	0.483856	0.654182	NUDX1	nudix hydrolase 1
13400442	3.14	3.94	-1.75	0.483856	0.654182	NUDX1	nudix hydrolase 1
13422985	3.14	3.94	-1.75	0.483856	0.654182	NUDX1	nudix hydrolase 1
13434526	3.14	3.94	-1.75	0.483856	0.654182	NUDX1	nudix hydrolase 1
13459065	3.14	3.94	-1.75	0.483856	0.654182	NUDX1	nudix hydrolase 1
13465228	3.14	3.94	-1.75	0.483856	0.654182	NUDX1	nudix hydrolase 1
13533574	3.14	3.94	-1.75	0.483856	0.654182	NUDX1	nudix hydrolase 1
13364234	3.14	3.96	-1.76	0.298104	0.562461	AT1G06540	hypothetical protein
13453583	3.14	4.09	-1.94	0.302037	0.563867	AT3G25270	Ribonuclease H-like protein
13473562	3.14	4.14	-2	0.04548	0.375679	ORP4A	OSBP(oxysterol binding protein)-related protein 4A
13349703	3.14	4.19	-2.07	0.092319	0.429659	AT1G48640	Lysine histidine transporter-like 1
13374726	3.14	4.22	-2.12	0.07933	0.414078	AT1G32080	hypothetical protein
13381502	3.14	4.23	-2.13	0.063497	0.399503	AT1G60750	auxin-induced atb2-like protein
13350645	3.14	4.28	-2.2	0.36169	0.587911	AT1G51090	heavy-metal-associated domain-containing protein
13334942	3.14	4.33	-2.28	0.241025	0.533477	AT1G02620	Ras-related small GTP-binding protein
13335446	3.14	4.35	-2.31	0.095271	0.431535	SOM	zinc finger CCCH domain-containing protein 2
13448768	3.14	4.34	-2.31	0.270381	0.548501	AT3G13175	hypothetical protein
13493261	3.14	4.4	-2.4	0.02629	0.337733	RSL2	transcription factor bHLH85

13519342	3.14	4.42	-2.42	0.074621	0.410456	AT5G64640	Putative pectinesterase/pectinesterase inhibitor 64
13508438	3.14	4.44	-2.47	0.110844	0.442248	AIG2L	avirulence induced protein 2 like protein
13417687	3.14	4.45	-2.48	0.373379	0.592466	AT2G36571	hypothetical protein
13405253	3.14	4.55	-2.65	0.305269	0.565001	AT2G45161	hypothetical protein
13461914	3.14	4.59	-2.74	0.234062	0.529452	AT3G59130	Cysteine/Histidine-rich C1 domain family protein
13484316	3.14	4.91	-3.43	0.323286	0.572482	MEE48	putative glucan endo-1,3-beta-glucosidase A6
13487834	3.14	5.36	-4.67	0.000613	0.207323	RHS14	putative pectate lyase 16
13530189	3.14	5.61	-5.52	0.00006	0.14124	SQE6	Squalene monooxygenase 1,2
13482115	3.13	1.85	2.43	0.076847	0.411576	AT4G07820	cysteine-rich secretory proteins, antigen 5 and pathogenesis-related protein 1 domain-containing protein
13387174	3.13	2.55	1.5	0.21026	0.51547	AT1G74120	Mitochondrial transcription termination factor family protein
13453994	3.13	2.55	1.5	0.343373	0.579024	AT3G26630	pentatricopeptide repeat-containing protein
13507922	3.13	2.7	1.35	0.288551	0.557599	AT5G38040	UDP-glycosyltransferase-like protein
13418485	3.13	2.8	1.26	0.459099	0.640368	AT2G38255	hypothetical protein
13391482	3.13	2.87	1.2	0.613706	0.742521	AT2G04235	hypothetical protein
13534642	3.13	3.15	-1.02	0.963796	0.978655	BKI1	BRI1 kinase inhibitor 1
13392606	3.13	3.32	-1.14	0.626966	0.751229	AT2G12557	hypothetical protein
13424074	3.13	3.32	-1.15	0.329918	0.575318	AT3G04330	Kunitz family trypsin and protease inhibitor protein
13524033	3.13	3.33	-1.15	0.662211	0.775886	AT5G09820	putative plastid-lipid-associated protein 7
13434697	3.13	3.44	-1.23	0.527478	0.68447	BR6OX2	brassinosteroid-6-oxidase 2
13409214	3.13	3.44	-1.24	0.072087	0.408352	AT2G16270	hypothetical protein
13478083	3.13	3.43	-1.24	0.515348	0.675634	AT4G35655	putative nitrate-responsive NOI protein
13425067	3.13	3.46	-1.26	0.458454	0.64015	AT3G06520	agenet domain-containing protein
13368678	3.13	3.47	-1.27	0.567242	0.71093	AT1G16225	putative syntaxin-type t-SNARE protein
13451404	3.13	3.49	-1.28	0.312941	0.567941	AT3G19620	putative beta-D-xylosidase 5
13487844	3.13	3.53	-1.32	0.007363	0.288531	BGLU3	beta-glucosidase 3
13457999	3.13	3.54	-1.34	0.339667	0.577996	bZIP5	basic leucine-zipper 5
13430049	3.13	3.57	-1.35	0.193215	0.505856	AT3G18300	hypothetical protein
13528526	3.13	3.56	-1.35	0.365797	0.59002	AT5G20045	hypothetical protein
13370169	3.13	3.62	-1.41	0.294223	0.560481	AT1G19720	pentatricopeptide repeat-containing protein
13462933	3.13	3.65	-1.44	0.099291	0.433828	RMF	reduced male fertility protein
13334311	3.13	3.68	-1.46	0.365721	0.589954	ETC1	proto-oncogene protein
13346069	3.13	3.69	-1.48	0.539556	0.692057	AGL64	protein agamous-like 64
13406962	3.13	3.69	-1.48	0.138139	0.46568	VIT1	vacuolar iron transporter 1
13409933	3.13	3.73	-1.51	0.194922	0.505989	SRS4	SHI-related sequence 4 protein
13459116	3.13	3.74	-1.53	0.519937	0.678787	AT3G52510	F-box associated ubiquitination effector family protein
13464627	3.13	3.77	-1.55	0.547561	0.697758	AT4G02000	hypothetical protein
13486628	3.13	3.86	-1.65	0.016807	0.317232	AT4G18810	Rossmann-fold NAD(P)-binding domain-containing protein
13514899	3.13	3.89	-1.7	0.160676	0.483101	AT5G54350	hypothetical protein
13447611	3.13	3.97	-1.78	0.074229	0.410257	MES17	methyl esterase 17
13456406	3.13	4.07	-1.91	0.267768	0.546492	AT3G45540	RING/U-box protein with C6HC-type zinc finger

13431176	3.13	4.12	-1.98	0.033175	0.354018	HTA13	histone H2A 13
13389950	3.13	4.15	-2.03	0.170353	0.488433	AT1G80133	epidermal patterning factor-like protein 8
13468472	3.13	4.16	-2.04	0.359163	0.58609	AT4G14390	ankyrin repeat-containing protein
13457053	3.13	4.19	-2.08	0.3159	0.568464	AT3G47180	RING/U-box domain-containing protein
13385542	3.13	4.96	-3.54	0.011777	0.301412	GSTU11	glutathione S-transferase TAU 11
13530064	3.13	5.41	-4.84	0.021007	0.324387	AT5G23920	hypothetical protein
13483918	3.13	5.63	-5.68	0.050889	0.381575	TPS12; AT4G13270	terpenoid synthase 12; late embryogenesis abundant hydroxyproline-rich glycoprotein
13416758	3.13	6.37	-9.4	0.055793	0.388357	LHB1B2	light-harvesting complex II chlorophyll a/b binding protein 1
13445076	3.12	2.29	1.78	0.134701	0.463251	AT3G05675	BTB/POZ domain-containing protein
13405263	3.12	2.32	1.75	0.065544	0.402176	AT2G45180	protease inhibitor/seed storage/lipid transfer protein (LTP) family protein
13543123	3.12	2.37	1.69	0.252192	0.538705	AT5G63905	hypothetical protein
13536550	3.12	2.63	1.41	0.248912	0.536631	AT5G47440; AT5G47435	hypothetical protein; putative formyltetrahydrofolate deformylase
13526415	3.12	2.66	1.37	0.200508	0.509842	BNQ2	protein banquo 2
13523590	3.12	2.68	1.35	0.011089	0.297771	AT5G08490	pentatricopeptide repeat-containing protein
13410169	3.12	2.7	1.33	0.347185	0.58045	AT2G18830	hypothetical protein
13355853	3.12	2.77	1.27	0.164595	0.485865	COX19-1; COX19-2	cytochrome c oxidase 19-1; cytochrome c oxidase 19-2
13414283	3.12	2.87	1.19	0.435121	0.626486	AGL46	protein agamous-like 46
13385487	3.12	2.96	1.11	0.684158	0.790944	GGT3	gamma-glutamyl transpeptidase 3
13478516	3.12	3	1.09	0.635901	0.757993	AT4G36820	hypothetical protein
13520202	3.12	3	1.09	0.591642	0.727798	DAR7	protein DA1-related 7
13476219	3.12	3.08	1.03	0.920467	0.95194	PGR3	proton gradient regulation 3
13343280	3.12	3.09	1.02	0.858892	0.911917	AT1G22160	hypothetical protein
13506828	3.12	3.14	-1.01	0.784593	0.860058		
13380575	3.12	3.15	-1.02	0.567503	0.711008	AT1G57670	Toll-Interleukin-Resistance domain-containing protein
13507979	3.12	3.16	-1.03	0.841327	0.900088	AT5G38197	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13342395	3.12	3.17	-1.04	0.700688	0.803072	MGH3	histone H3
13487405	3.12	3.18	-1.04	0.748159	0.834869	AT4G21010	Transcription initiation factor TFIIE, beta subunit
13335795	3.12	3.22	-1.07	0.10471	0.437012	AT1G04540	calcium-dependent lipid-binding domain-containing protein
13534167	3.12	3.22	-1.07	0.621621	0.747876	AT5G41250	Exostosin family protein
13505171	3.12	3.23	-1.08	0.849051	0.90493	AT5G23989	hypothetical protein
13404225	3.12	3.24	-1.09	0.714402	0.812242	SHP2	agamous-like MADS-box protein AGL5
13451059	3.12	3.24	-1.09	0.478509	0.651345	LPAT5	lysocardiolipin and lysophospholipid acyltransferase
13522182	3.12	3.29	-1.13	0.728624	0.822133	AT5G05040	cystatin/monellin-related protein
13359417	3.12	3.4	-1.22	0.614001	0.742636	AT1G75360	hypothetical protein
13514578	3.12	3.44	-1.25	0.041129	0.366422	AT5G53600	carbohydrate-binding X8 domain-containing protein
13346348	3.12	3.47	-1.28	0.312256	0.567545	AAE14	acyl-activating enzyme 14
13364724	3.12	3.5	-1.3	0.514018	0.674837	AT1G07550	putative LRR receptor-like serine/threonine-protein kinase
13354783	3.12	3.52	-1.32	0.559565	0.70573	EGL3	transcription factor EGL1

13511436	3.12	3.57	-1.37	0.319307	0.570181	AT5G46870	RNA recognition motif-containing protein
13434256	3.12	3.59	-1.38	0.25577	0.540325	AT3G28230	hypothetical protein
13505781	3.12	3.7	-1.5	0.243828	0.534763	NADP-ME3	malate dehydrogenase (oxaloacetate-decarboxylating)(NADP+)
13448744	3.12	3.76	-1.57	0.058339	0.393329	AT3G13140	hydroxyproline-rich glycoprotein family protein
13468331	3.12	3.79	-1.59	0.37851	0.594477	AT4G13992	cysteine/histidine-rich C1 domain-containing protein
13458443	3.12	3.85	-1.65	0.048443	0.37767	AT3G50800	hypothetical protein
13532403	3.12	3.86	-1.67	0.129769	0.459766	SAP	transcriptional regulator STERILE APETALA
13469179	3.12	3.92	-1.74	0.349758	0.581436	AT4G15650	hypothetical protein
13402004	3.12	3.94	-1.77	0.369379	0.591518		
13455287	3.12	3.95	-1.77	0.409356	0.610961	AT3G30230	myosin heavy chain-like protein
13348140	3.12	3.98	-1.82	0.157944	0.480485	AT1G35617	hypothetical protein
13371468	3.12	4.04	-1.89	0.143238	0.469032	AT1G23060	hypothetical protein
13526905	3.12	4.08	-1.94	0.313378	0.568008	AT5G16286	hypothetical protein
13480419	3.12	4.18	-2.09	0.111764	0.443131	AT4G01140	hypothetical protein
13417409	3.12	4.19	-2.11	0.039322	0.364658	CPK25	calcium-dependent protein kinase 25
13453509	3.12	4.32	-2.31	0.252697	0.538805	RLP41	receptor like protein 41
13370695	3.12	4.34	-2.34	0.241742	0.53362	AT1G20940	F-box protein
13509442	3.12	4.37	-2.38	0.028227	0.345509	AT5G42053	hypothetical protein
13471260	3.12	5.24	-4.34	0.337168	0.577005	AT4G20640; AT4G20620; AT4G20610; AT4G20600; AT4G20590; AT4G20580; AT4G20570; AT4G20560; AT4G20550; AT4G20630; AT4G20540; AT4G20530; AT4G20650; AT4G20670; AT3G21990	cysteine-rich repeat secretory protein 43; cysteine-rich repeat secretory protein 45; cysteine-rich repeat secretory protein 46; cysteine-rich repeat secretory protein 47; cysteine-rich repeat secretory protein 48; cysteine-rich repeat secretory protein 49; cysteine-rich repeat secretory protein 50; cysteine-rich repeat secretory protein 51; cysteine-rich repeat secretory protein 52; cysteine-rich repeat secretory protein 44; cysteine-rich repeat secretory protein 53; cysteine-rich repeat secretory protein 54; receptor-like protein kinase-related protein; hypothetical protein; cysteine-rich repeat secretory protein 29

13471266	3.12	5.24	-4.34	0.337168	0.577005	AT4G20640; AT4G20620; AT4G20610; AT4G20600; AT4G20590; AT4G20580; AT4G20570; AT4G20560; AT4G20550; AT4G20630; AT4G20540; AT4G20530; AT4G20650; AT4G20670; AT3G21990	cysteine-rich repeat secretory protein 43; cysteine-rich repeat secretory protein 45; cysteine-rich repeat secretory protein 46; cysteine-rich repeat secretory protein 47; cysteine-rich repeat secretory protein 48; cysteine-rich repeat secretory protein 49; cysteine-rich repeat secretory protein 50; cysteine-rich repeat secretory protein 51; cysteine-rich repeat secretory protein 52; cysteine-rich repeat secretory protein 44; cysteine-rich repeat secretory protein 53; cysteine-rich repeat secretory protein 54; receptor-like protein kinase-related protein; hypothetical protein; cysteine-rich repeat secretory protein 29
13471272	3.12	5.24	-4.34	0.337168	0.577005	AT4G20640; AT4G20620; AT4G20610; AT4G20600; AT4G20590; AT4G20580; AT4G20570; AT4G20560; AT4G20550; AT4G20630; AT4G20540; AT4G20530; AT4G20650; AT4G20670; AT3G21990	cysteine-rich repeat secretory protein 43; cysteine-rich repeat secretory protein 45; cysteine-rich repeat secretory protein 46; cysteine-rich repeat secretory protein 47; cysteine-rich repeat secretory protein 48; cysteine-rich repeat secretory protein 49; cysteine-rich repeat secretory protein 50; cysteine-rich repeat secretory protein 51; cysteine-rich repeat secretory protein 52; cysteine-rich repeat secretory protein 44; cysteine-rich repeat secretory protein 53; cysteine-rich repeat secretory protein 54; receptor-like protein kinase-related protein; hypothetical protein; cysteine-rich repeat secretory protein 29
13471278	3.12	5.24	-4.34	0.337168	0.577005	AT4G20640; AT4G20620; AT4G20610; AT4G20600; AT4G20590; AT4G20580; AT4G20570; AT4G20560; AT4G20550; AT4G20630; AT4G20540; AT4G20530; AT4G20650; AT4G20670; AT3G21990	cysteine-rich repeat secretory protein 43; cysteine-rich repeat secretory protein 45; cysteine-rich repeat secretory protein 46; cysteine-rich repeat secretory protein 47; cysteine-rich repeat secretory protein 48; cysteine-rich repeat secretory protein 49; cysteine-rich repeat secretory protein 50; cysteine-rich repeat secretory protein 51; cysteine-rich repeat secretory protein 52; cysteine-rich repeat secretory protein 44; cysteine-rich repeat secretory protein 53; cysteine-rich repeat secretory protein 54; receptor-like protein kinase-related protein; hypothetical protein; cysteine-rich repeat secretory protein 29

13471284	3.12	5.24	-4.34	0.337168	0.577005	AT4G20640; AT4G20620; AT4G20610; AT4G20600; AT4G20590; AT4G20580; AT4G20570; AT4G20560; AT4G20550; AT4G20630; AT4G20540; AT4G20530; AT4G20650; AT4G20670; AT3G21990	cysteine-rich repeat secretory protein 43; cysteine-rich repeat secretory protein 45; cysteine-rich repeat secretory protein 46; cysteine-rich repeat secretory protein 47; cysteine-rich repeat secretory protein 48; cysteine-rich repeat secretory protein 49; cysteine-rich repeat secretory protein 50; cysteine-rich repeat secretory protein 51; cysteine-rich repeat secretory protein 52; cysteine-rich repeat secretory protein 44; cysteine-rich repeat secretory protein 53; cysteine-rich repeat secretory protein 54; receptor-like protein kinase-related protein; hypothetical protein; cysteine-rich repeat secretory protein 29
13471290	3.12	5.24	-4.34	0.337168	0.577005	AT4G20640; AT4G20620; AT4G20610; AT4G20600; AT4G20590; AT4G20580; AT4G20570; AT4G20560; AT4G20550; AT4G20630; AT4G20540; AT4G20530; AT4G20650; AT4G20670; AT3G21990	cysteine-rich repeat secretory protein 43; cysteine-rich repeat secretory protein 45; cysteine-rich repeat secretory protein 46; cysteine-rich repeat secretory protein 47; cysteine-rich repeat secretory protein 48; cysteine-rich repeat secretory protein 49; cysteine-rich repeat secretory protein 50; cysteine-rich repeat secretory protein 51; cysteine-rich repeat secretory protein 52; cysteine-rich repeat secretory protein 44; cysteine-rich repeat secretory protein 53; cysteine-rich repeat secretory protein 54; receptor-like protein kinase-related protein; hypothetical protein; cysteine-rich repeat secretory protein 29
13471296	3.12	5.24	-4.34	0.337168	0.577005	AT4G20640; AT4G20620; AT4G20610; AT4G20600; AT4G20590; AT4G20580; AT4G20570; AT4G20560; AT4G20550; AT4G20630; AT4G20540; AT4G20530; AT4G20650; AT4G20670; AT3G21990	cysteine-rich repeat secretory protein 43; cysteine-rich repeat secretory protein 45; cysteine-rich repeat secretory protein 46; cysteine-rich repeat secretory protein 47; cysteine-rich repeat secretory protein 48; cysteine-rich repeat secretory protein 49; cysteine-rich repeat secretory protein 50; cysteine-rich repeat secretory protein 51; cysteine-rich repeat secretory protein 52; cysteine-rich repeat secretory protein 44; cysteine-rich repeat secretory protein 53; cysteine-rich repeat secretory protein 54; receptor-like protein kinase-related protein; hypothetical protein; cysteine-rich repeat secretory protein 29

13471302	3.12	5.24	-4.34	0.337168	0.577005	AT4G20640; AT4G20620; AT4G20610; AT4G20600; AT4G20590; AT4G20580; AT4G20570; AT4G20560; AT4G20550; AT4G20630; AT4G20540; AT4G20530; AT4G20650; AT4G20670; AT3G21990	cysteine-rich repeat secretory protein 43; cysteine-rich repeat secretory protein 45; cysteine-rich repeat secretory protein 46; cysteine-rich repeat secretory protein 47; cysteine-rich repeat secretory protein 48; cysteine-rich repeat secretory protein 49; cysteine-rich repeat secretory protein 50; cysteine-rich repeat secretory protein 51; cysteine-rich repeat secretory protein 52; cysteine-rich repeat secretory protein 44; cysteine-rich repeat secretory protein 53; cysteine-rich repeat secretory protein 54; receptor-like protein kinase-related protein; hypothetical protein; cysteine-rich repeat secretory protein 29
13471314	3.12	5.24	-4.34	0.337168	0.577005	AT4G20640; AT4G20620; AT4G20610; AT4G20600; AT4G20590; AT4G20580; AT4G20570; AT4G20560; AT4G20550; AT4G20630; AT4G20540; AT4G20530; AT4G20650; AT4G20670; AT3G21990	cysteine-rich repeat secretory protein 43; cysteine-rich repeat secretory protein 45; cysteine-rich repeat secretory protein 46; cysteine-rich repeat secretory protein 47; cysteine-rich repeat secretory protein 48; cysteine-rich repeat secretory protein 49; cysteine-rich repeat secretory protein 50; cysteine-rich repeat secretory protein 51; cysteine-rich repeat secretory protein 52; cysteine-rich repeat secretory protein 44; cysteine-rich repeat secretory protein 53; cysteine-rich repeat secretory protein 54; receptor-like protein kinase-related protein; hypothetical protein; cysteine-rich repeat secretory protein 29
13509745	3.12	5.75	-6.18	0.369107	0.591437	AT5G42635	glycine-rich protein
13391158	3.11	2.47	1.55	0.07621	0.410503	AT2G03380	pentatricopeptide repeat-containing protein
13341158	3.11	2.52	1.51	0.221455	0.522696	AT1G17030	hypothetical protein
13533289	3.11	2.65	1.37	0.019632	0.322692	AT5G38540	jacalin lectin family protein
13337808	3.11	2.74	1.3	0.238908	0.532292	AT1G09026	hypothetical protein
13412517	3.11	2.74	1.29	0.262839	0.543826	AT2G24700	B3 domain-containing protein REM10
13415750	3.11	2.85	1.2	0.134335	0.463251	AT2G32020	GCN5-related N-acetyltransferase-like protein
13426268	3.11	2.85	1.19	0.690871	0.795807	AT3G09960	calcineurin-like metallo-phosphoesterase-like protein
13384694	3.11	2.88	1.17	0.471679	0.64746	AT1G67790	hypothetical protein
13344669	3.11	3.01	1.07	0.88695	0.930765	AT1G26530	PIN domain-containing protein
13494461	3.11	3.01	1.07	0.62342	0.749045	AT4G36700	cupin family protein
13498391	3.11	3.01	1.07	0.831161	0.892988	AT5G06400	pentatricopeptide repeat-containing protein
13389233	3.11	3.1	1.01	0.988543	0.993412	CAMS1	camelliol C synthase 1
13416708	3.11	3.12	-1.01	0.908516	0.944338	AT2G34270	hypothetical protein
13462674	3.11	3.13	-1.01	0.962076	0.977707	AT3G61035	Cytochrome P450 superfamily protein
13428949	3.11	3.13	-1.02	0.718266	0.814843	AT3G16117	hypothetical protein
13432129	3.11	3.14	-1.02	0.730988	0.823965	AT3G23220	ethylene-responsive transcription factor ERF095

13410956	3.11	3.16	-1.03	0.941558	0.965022	AT2G20590	reticulon-like protein B17
13375834	3.11	3.22	-1.08	0.661805	0.775682	AT1G36272	hypothetical protein
13354527	3.11	3.28	-1.13	0.660828	0.775362	AT1G62930	pentatricopeptide repeat-containing protein
13446625	3.11	3.29	-1.14	0.73326	0.825506	AT3G08870	concanavalin A-like lectin protein kinase-like protein
13355217	3.11	3.34	-1.17	0.229082	0.52681	AT1G64680	hypothetical protein
13438188	3.11	3.35	-1.18	0.765799	0.847026	AT3G51650	hypothetical protein
13435667	3.11	3.45	-1.26	0.42537	0.620451	AT3G44935	hypothetical protein
13365624	3.11	3.52	-1.33	0.297904	0.562453	AT1G09380	nodulin MtN21 /EamA-like transporter protein
13482182	3.11	3.52	-1.33	0.217551	0.520618	AT4G08210	pentatricopeptide repeat-containing protein
13494570	3.11	3.55	-1.35	0.082371	0.417672	MAPKKK21	mitogen-activated protein kinase kinase kinase 21
13511153	3.11	3.63	-1.43	0.542954	0.69434	AT5G46220	hypothetical protein
13481518	3.11	3.66	-1.46	0.038901	0.364658	AT4G03740	hypothetical protein
13520258	3.11	3.68	-1.49	0.013405	0.307766	HB53	homeobox-leucine zipper protein ATHB-53
13485947	3.11	3.68	-1.49	0.078868	0.414078	AT4G17210	hypothetical protein
13376864	3.11	3.72	-1.53	0.200774	0.509845	AT1G48180	hypothetical protein
13500734	3.11	3.74	-1.54	0.402235	0.607024	ANNAT8	annexin D8
13424989	3.11	3.88	-1.71	0.300934	0.563852	AGP27	arabinogalactan protein 27
13453408	3.11	3.98	-1.82	0.35875	0.585867	AT3G24610	kelch repeat-containing protein
13466676	3.11	4.04	-1.92	0.099829	0.434356	AT4G09300	LisH and RanBPM domain-containing protein
13420178	3.11	4.08	-1.96	0.273251	0.54985	AT2G42005	transmembrane amino acid transporter-like protein
13536455	3.11	4.14	-2.05	0.074193	0.410257	AT5G47110	Chlorophyll A-B binding family protein
13377408	3.11	4.24	-2.19	0.344168	0.579383	AT1G49405	putative UPF0497 membrane protein
13456731	3.11	4.59	-2.78	0.20848	0.514104	AT3G46360	hypothetical protein
13466480	3.11	5.38	-4.8	0.207455	0.513526	AT4G08868	hypothetical protein
13497271	3.11	7.49	-20.94	0.010814	0.297771	AT5G04120	phosphoglycerate mutase-like protein
13420241	3.1	2.69	1.33	0.302703	0.563999	AT2G42140	VQ motif-containing protein
13334233	3.1	2.76	1.27	0.215484	0.519459	AT1G01225	NC domain-containing protein-like protein
13430973	3.1	2.79	1.25	0.411326	0.612532	AT3G20270	lipid-binding serum glycoprotein-like protein
13492738	3.1	2.79	1.24	0.549612	0.699228	AT4G33040	glutaredoxin-C6
13381828	3.1	2.95	1.11	0.608127	0.738124	AT1G61260	hypothetical protein
13419073	3.1	2.97	1.09	0.756098	0.840425	AT2G39620	pentatricopeptide repeat-containing protein
13506664	3.1	3.15	-1.04	0.59716	0.731118	AT5G27750	FBD-associated F-box protein
13460177	3.1	3.26	-1.12	0.399436	0.605359	AT3G54910	leucine rich repeat and F-Box domain-containing protein
13400845	3.1	3.39	-1.22	0.339407	0.577996	CLE42	protein CLAVATA3/ESR-related 42
13434088	3.1	3.4	-1.23	0.535516	0.689448	AT3G27860	PWWP domain-containing protein
13347893	3.1	3.42	-1.25	0.420167	0.617335	CYP94D1	cytochrome P450, family 94, subfamily D, polypeptide 1
13467165	3.1	3.46	-1.28	0.579523	0.719508	AT4G10613	RNA-directed DNA polymerase (reverse transcriptase)-related family protein
13544569	3.1	3.47	-1.29	0.429544	0.622793	AT5G67090	Subtilisin-like serine endopeptidase family protein
13402373	3.1	3.49	-1.31	0.335537	0.576654	IREG1	iron regulated 1 protein
13355706	3.1	3.52	-1.33	0.154037	0.477014	AT1G66130	Rossmann-fold NAD(P)-binding domain-containing protein

13368466	3.1	3.52	-1.34	0.170005	0.48812	PDR12	ABC transporter G family member 40
13478629	3.1	3.53	-1.35	0.135992	0.465036	AT4G37022	hypothetical protein
13474610	3.1	3.55	-1.36	0.078	0.413326	AT4G28310	hypothetical protein
13518356	3.1	3.64	-1.46	0.180746	0.496278	AT5G62420	aldo/keto reductase family protein
13371949	3.1	3.68	-1.5	0.640436	0.760374	AT1G24140	matrix metalloprotease domain-containing protein
13441378	3.1	3.7	-1.52	0.208569	0.51419	SYN3	Sister chromatid cohesion 1 protein 3
13346767	3.1	3.71	-1.53	0.037174	0.360541	AT1G31670	copper amine oxidase-like protein
13400232	3.1	3.76	-1.58	0.387392	0.598693	AT2G33420	hypothetical protein
13423321	3.1	3.77	-1.59	0.159922	0.482458	AT3G02430	hypothetical protein
13351195	3.1	3.81	-1.63	0.218273	0.520731	BGLU18	beta glucosidase 18
13519643	3.1	3.83	-1.66	0.291091	0.558985	MYB53	myb domain protein 53
13406749	3.1	3.89	-1.73	0.020299	0.322692	AT2G01320	ABC transporter G family member 7
13417766	3.1	3.89	-1.73	0.005971	0.280665	AT2G36710	putative pectinesterase 15
13368773	3.1	4.12	-2.04	0.394889	0.602977	ATCHX1	cation/H(+) antiporter 1
13482975	3.1	4.26	-2.23	0.000032	0.14124	AT4G10780	putative disease resistance protein
13404694	3.1	4.32	-2.34	0.26616	0.546291	AT2G44030	putative F-box/kelch-repeat protein
13495551	3.1	4.48	-2.6	0.242792	0.534256	GH9B17	endoglucanase 23
13493862	3.1	4.69	-3	0.420307	0.617445	AT4G35519	hypothetical protein
13439372	3.1	5.34	-4.75	0.080375	0.414834	HRGP1	hydroxyproline-rich glycoprotein
13482145	3.1	6.25	-8.87	0.000025	0.14124	KNAT1	homeobox protein knotted-1-like 1
13444682	3.09	2.73	1.28	0.662386	0.775984		
13382986	3.09	2.81	1.22	0.556703	0.703792	AT1G64010	serine protease inhibitor-like protein
13494182	3.09	2.96	1.09	0.679141	0.787691	NAC076; AT4G36170	NAC domain containing protein 76; hypothetical protein
13429580	3.09	3	1.07	0.488022	0.657203	AT3G17570	putative F-box/kelch-repeat protein
13368260	3.09	3.04	1.03	0.948409	0.969195		
13410136	3.09	3.05	1.02	0.80071	0.871642	AT2G18610	hypothetical protein
13543572	3.09	3.19	-1.07	0.623317	0.749024	AT5G64870	Flotillin-like protein 3
13336113	3.09	3.21	-1.08	0.058938	0.394585	AT1G05510	hypothetical protein
13494895	3.09	3.21	-1.08	0.736772	0.827699	HKL3	hexokinase
13527785	3.09	3.19	-1.08	0.286565	0.557153	AT5G18330	putative U-box domain-containing protein 47
13392715	3.09	3.24	-1.1	0.260805	0.542969	CALS5	callose synthase 5
13392412	3.09	3.27	-1.13	0.61163	0.741009	AT2G07750	putative DEAD-box ATP-dependent RNA helicase 33
13530899	3.09	3.28	-1.14	0.271461	0.548926	AT5G25530	putative DNAJ heat shock protein
13439620	3.09	3.3	-1.15	0.240363	0.533209	AT3G55180	esterase/lipase/thioesterase family protein
13347400	3.09	3.32	-1.17	0.490349	0.658692	NAC015	protein BEARSKIN1
13458335	3.09	3.35	-1.19	0.319742	0.570558	AT3G50570	hydroxyproline-rich glycoprotein family protein
13446539	3.09	3.42	-1.26	0.433346	0.625225	AT3G08750	F-box protein
13338311	3.09	3.44	-1.28	0.151055	0.473698	AT1G10300	Nucleolar GTP-binding protein
13411794	3.09	3.47	-1.3	0.024579	0.333211	AT2G22802	hypothetical protein
13452610	3.09	3.54	-1.37	0.1021	0.435546	ATECP31	Seed maturation protein
13451133	3.09	3.6	-1.43	0.266393	0.546291	HAF2	transcription initiation factor TFIID subunit 1-B
13520171	3.09	3.64	-1.46	0.566952	0.710848	AT5G66520	pentatricopeptide repeat-containing protein
13369458	3.09	3.68	-1.51	0.165902	0.486235	AT1G17960	threonyl-tRNA synthetase
13340274	3.09	3.74	-1.57	0.140368	0.466691	AT1G15160	MATE efflux family protein
13350855	3.09	3.77	-1.6	0.134428	0.463251	AT1G51530	RNA recognition motif-containing protein

13461432	3.09	3.77	-1.61	0.225089	0.524988	PDCB5	glucan endo-1,3-beta-glucosidase-like protein 1
13344906	3.09	3.81	-1.65	0.286937	0.557153	AT1G26970	protein kinase domain-containing protein
13510175	3.09	3.83	-1.67	0.574237	0.715868	AT5G43770	proline-rich family protein
13355680	3.09	3.85	-1.69	0.427038	0.621362	CYP96A14P	cytochrome P450, family 96, subfamily A, polypeptide 14 pseudogene
13468687	3.09	3.86	-1.71	0.063767	0.400134	AT4G14890	ferredoxin
13465062	3.09	3.89	-1.74	0.183259	0.498108	SULTR3;2; AT4G02710	sulfate transporter 3.2; kinase interacting-like protein
13378795	3.09	3.92	-1.77	0.03057	0.350098	AT1G52700	alpha/beta-hydrolase domain-containing protein
13354314	3.09	3.96	-1.83	0.562493	0.707644	AT1G62181	hypothetical protein
13522547	3.09	3.97	-1.84	0.092126	0.429607	LBD33	LOB domain-containing protein 33
13516868	3.09	4.18	-2.13	0.136306	0.465036	MYB119	myb domain protein 119
13485739	3.09	4.25	-2.24	0.590099	0.727017	AT4G16940	TIR-NBS-LRR class disease resistance protein
13444656	3.09	4.39	-2.47	0.343874	0.579276	ANX1	receptor-like protein kinase ANXUR1
13406396	3.09	4.81	-3.31	0.188833	0.502829	AT2G47660	hypothetical protein
13449848	3.09	5.13	-4.11	0.440907	0.629996	AT3G15605; AT3G15604	nucleic acid binding protein; hypothetical protein
13421970	3.09	5.13	-4.12	0.426789	0.621252	AT2G46308	hypothetical protein
13337375	3.09	7.28	-18.25	0.004488	0.262292	ALMT1	aluminum-activated malate transporter 1
13374489	3.08	2.46	1.54	0.075689	0.410503	AT1G31430	pentatricopeptide repeat-containing protein
13506041	3.08	2.49	1.51	0.346507	0.58045	AT5G26720	hypothetical protein
13481558	3.08	2.52	1.47	0.19275	0.505579	AT4G04360	hypothetical protein
13430927	3.08	2.69	1.31	0.074693	0.410456	AT3G20170	armadillo/beta-catenin-like repeat-containing protein
13397285	3.08	2.86	1.17	0.438995	0.62918	HSFA2	heat stress transcription factor A-2
13364219	3.08	2.92	1.12	0.748178	0.834869	AT1G06475	hypothetical protein
13389200	3.08	2.93	1.11	0.376829	0.59355	AT1G78940	adenine nucleotide alpha hydrolases-domain containing protein kinase
13403761	3.08	2.94	1.1	0.667009	0.778908	AT2G41450	N-acetyltransferase
13391462	3.08	3.02	1.04	0.774644	0.85321	AT2G04046	defensin-like protein 296
13542685	3.08	3.07	1.01	0.969324	0.982139	AT5G62840	phosphoglycerate mutase-like protein
13470952	3.08	3.09	-1.01	0.931794	0.958521	AT4G19760	Glycosyl hydrolase family protein with chitinase insertion domain
13512982	3.08	3.12	-1.03	0.942136	0.965477	AT5G50130	Rossmann-fold NAD(P)-binding domain-containing protein
13482390	3.08	3.19	-1.08	0.789773	0.863948	APX4; GRF1	ascorbate peroxidase 4; 14-3-3-like protein GF14 chi
13461735	3.08	3.19	-1.09	0.390741	0.600347	AT3G58676	hypothetical protein
13431996	3.08	3.22	-1.1	0.840036	0.899245	NRPD7	DNA-directed RNA polymerase II subunit G
13399370	3.08	3.26	-1.13	0.496215	0.662617	AT2G31460	hypothetical protein
13370103	3.08	3.32	-1.17	0.619485	0.746575	AT1G19650	sec.4-like phosphatidylinositol transfer protein
13383974	3.08	3.33	-1.19	0.400288	0.60596	AT1G66460	protein kinase-like protein
13504752	3.08	3.34	-1.2	0.738294	0.828303	HCF136	photosystem II stability/assembly factor HCF136
13396746	3.08	3.36	-1.22	0.567057	0.710917	AT2G24692	hypothetical protein

13414609	3.08	3.36	-1.22	0.327911	0.574416	AT2G29628	hypothetical protein
13534411	3.08	3.43	-1.27	0.538898	0.691818	RPN12b	26S proteasome non-ATPase regulatory subunit RPN12B
13523153	3.08	3.45	-1.29	0.103232	0.435922	GRP19	glycine-rich protein 19
13422288	3.08	3.46	-1.3	0.238993	0.532292	VGDH1	pectinesterase 4
13524461	3.08	3.5	-1.34	0.646158	0.764388	AT5G10605	methyltransferase
13418841	3.08	3.53	-1.36	0.618276	0.745504	AT2G39160	hypothetical protein
13503145	3.08	3.62	-1.46	0.262571	0.543695	EMB3007	TCP-1/cpn60 chaperonin family protein
13468052	3.08	3.7	-1.54	0.141304	0.467756	LCR37	putative defensin-like protein 162
13451228	3.08	3.8	-1.64	0.375632	0.593207	AT3G19230	leucine-rich repeat-containing protein
13494496	3.08	3.84	-1.69	0.082638	0.417856	AT4G36791	hypothetical protein
13454719	3.08	3.86	-1.72	0.168496	0.487177	AT3G28243	hypothetical protein
13336822	3.08	4.01	-1.91	0.11198	0.443236	AT1G07010	calcineurin-like metallo-phosphoesterase-like protein
13538325	3.08	4.02	-1.92	0.2469	0.535608	AT5G51490	putative pectinesterase/pectinesterase inhibitor 59
13408433	3.08	4.11	-2.04	0.434906	0.626354	AT2G09840	hypothetical protein
13439976	3.08	4.15	-2.1	0.015005	0.313319	SBPASE	Sedoheptulose-1,7-bisphosphatase
13351329	3.08	4.15	-2.11	0.081008	0.41589	AT1G52660	P-loop containing nucleoside triphosphate hydrolase domain-containing protein
13434848	3.08	4.17	-2.13	0.394009	0.602623	AT3G32150	hypothetical protein
13357117	3.08	4.26	-2.26	0.065428	0.402125	AT1G69690	transcription factor TCP15
13414343	3.08	4.45	-2.59	0.432887	0.625185	CYP710A3	cytochrome P450, family 710, subfamily A
13374707	3.08	4.78	-3.26	0.435513	0.626734	AT1G32000	hypothetical protein
13490860	3.08	4.81	-3.3	0.383321	0.59757	DMP7	DUF679 domain membrane protein 7
13494482	3.08	4.97	-3.7	0.029967	0.35004	HB40	homeobox protein 40
13468100	3.08	5.66	-5.99	0.001326	0.242634	CYP71A19	cytochrome P450 71A19
13539929	3.07	2.06	2.01	0.019323	0.321499	Hsp81.4	molecular chaperone HtpG
13453734	3.07	2.18	1.85	0.035369	0.355898	AT3G25805	hypothetical protein
13486489	3.07	2.55	1.43	0.066637	0.40382	AT4G18372; DEG5	Small nuclear ribonucleoprotein family protein; protease Do-like 5
13545415	3.07	2.59	1.39	0.508618	0.671369		
13431984	3.07	2.79	1.22	0.607565	0.737693	AT3G22870	putative F-box/kelch-repeat protein
13470866	3.07	2.79	1.21	0.277412	0.552045	CYCT1;2	Cyclin-T1-2
13529369	3.07	2.88	1.14	0.288012	0.557546	NAC090	NAC domain-containing protein 90
13468088	3.07	2.89	1.13	0.721961	0.817572	AT4G13261	hypothetical protein
13462679	3.07	2.9	1.12	0.331364	0.576012	CYP76C7	cytochrome P450, family 76, subfamily C, polypeptide 7
13435292	3.07	2.94	1.09	0.452765	0.636785	AT3G44020	thylakoid lumenal P17.1 protein
13367984	3.07	2.96	1.08	0.551251	0.700471	AT1G14686	putative clathrin assembly protein
13452199	3.07	2.97	1.07	0.742603	0.830952	AT3G21340	leucine-rich repeat protein kinase-like protein
13517407	3.07	2.98	1.07	0.396808	0.604163	AT5G60300	concanavalin A-like lectin kinase-like protein
13512399	3.07	3.04	1.02	0.929783	0.957211	LCR46	putative defensin-like protein 83
13527204	3.07	3.04	1.02	0.944058	0.96658	AT5G17000	2-alkenal reductase
13357950	3.07	3.09	-1.02	0.302248	0.563905	AT1G71720	small subunit ribosomal protein S1
13407389	3.07	3.11	-1.03	0.301563	0.563858	EMB93	transcription termination factor family protein
13505075	3.07	3.19	-1.08	0.747664	0.834544	AT5G23840	MD-2-related lipid recognition domain-containing protein

13428225	3.07	3.2	-1.09	0.402134	0.60697	AT3G14670	hypothetical protein
13396870	3.07	3.21	-1.1	0.651834	0.769002	AT2G25120	Bromo-adjacent homology (BAH) domain-containing protein
13458409	3.07	3.21	-1.1	0.124263	0.453788	AT3G50730	putative protein kinase
13484268	3.07	3.26	-1.14	0.486721	0.656132	FBD1	FBD-associated F-box protein
13480893	3.07	3.29	-1.16	0.036574	0.359494	AT4G02320	pectinesterase 40
13487203	3.07	3.31	-1.18	0.357199	0.584844	AT4G20290	hypothetical protein
13338181	3.07	3.37	-1.23	0.273891	0.550497	AAP8	amino acid permease 8
13511613	3.07	3.38	-1.24	0.258173	0.541251	ADR1-L3	protein ADR1-like 3
13384984	3.07	3.44	-1.29	0.123466	0.453558	PAN; AT1G68630	transcription factor perIANTHIA; PLAC8 family protein
13360305	3.07	3.45	-1.3	0.668146	0.779559	AT1G77700	pathogenesis-related thaumatin-like protein
13487293	3.07	3.44	-1.3	0.64711	0.765079	AT4G20770	pentatricopeptide repeat-containing protein
13428322	3.07	3.47	-1.31	0.029906	0.349851	TBL41	protein trichome birefringence-like 41
13440220	3.07	3.48	-1.33	0.374071	0.592851	AT3G56540	putative serine carboxypeptidase-like 53
13365949	3.07	3.5	-1.35	0.562853	0.707882	RAS1	response to ABA and salt 1
13543521	3.07	3.57	-1.41	0.127154	0.456867	RGF9	hypothetical protein
13517382	3.07	3.61	-1.45	0.369755	0.591753	TET4	tetraspanin4
13510652	3.07	3.64	-1.48	0.149812	0.472634	AT5G44900	Toll-Interleukin-Resistance domain-containing protein
13510314	3.07	3.68	-1.54	0.011713	0.301412	AT5G44065	hypothetical protein
13530025	3.07	3.7	-1.55	0.337039	0.577005	GolS5	galactinol synthase 5
13524694	3.07	3.71	-1.56	0.094636	0.431062	AT5G11080	ubiquitin family protein
13422024	3.07	3.89	-1.75	0.382879	0.597208	AT2G46494	RING/U-box family protein
13521801	3.07	3.88	-1.76	0.245599	0.535303	AT5G04030	hypothetical protein
13455101	3.07	3.89	-1.77	0.001309	0.242634	AT3G29190	terpene cyclase, C1 domain-containing protein
13376525	3.07	3.93	-1.81	0.075456	0.410503	AT1G45545	hypothetical protein
13478774	3.07	4.02	-1.93	0.22337	0.524399	AT4G37420	hypothetical protein
13405343	3.07	4.04	-1.96	0.277256	0.551928	GAE4	UDP-D-glucuronate 4-epimerase 4
13536620	3.07	4.21	-2.21	0.009004	0.295471	AT5G47600	heat shock protein 14.7
13457050	3.07	4.22	-2.23	0.230137	0.527363	AT3G47170	HXXXD-type acyl-transferase-like protein
13394399	3.07	4.25	-2.26	0.364701	0.589444	AT2G18920; LKP2	hypothetical protein; LOV KELCH protein 2
13392510	3.07	4.36	-2.45	0.213847	0.518299	AT2G11005	glycine-rich protein
13377812	3.07	4.57	-2.83	0.037623	0.361468	FTSH1	cell division protease ftsH-1
13539692	3.07	4.83	-3.38	0.213119	0.518061	AT5G55370	putative long-chain-alcohol O-fatty-acyltransferase 2
13532511	3.07	4.86	-3.45	0.055964	0.388357	PEN3	cycloartenol synthase
13339511	3.07	5.12	-4.12	0.481383	0.652743	AT2G24390	AIG2-like family protein
13404294	3.07	5.12	-4.12	0.481383	0.652743	AT2G24390	AIG2-like family protein
13397002	3.07	5.42	-5.1	0.136062	0.465036	RLP20	receptor like protein 20
13451786	3.06	2.57	1.41	0.107396	0.4394	AT3G20480	tetraacyldisaccharide 4'-kinase family protein
13392807	3.06	2.73	1.26	0.554791	0.702845	AT2G13960	myb family transcription factor
13366144	3.06	2.79	1.21	0.345419	0.580183	AT1G10400	UDP-glycosyltransferase-like protein
13515519	3.06	2.98	1.06	0.790802	0.864609	AT5G55856	ubiquitin-related modifier
13385624	3.06	2.99	1.05	0.810837	0.878884	AT1G70209	hypothetical protein
13393944	3.06	3	1.05	0.334251	0.576336	BZIP27	basic region/leucine zipper motif 27-containing protein

13373390	3.06	3.01	1.04	0.910005	0.94543	AT1G28590	GDSL esterase/lipase
13412437	3.06	3.01	1.03	0.858198	0.91149	AT2G24620; AT2G24617	S-locus glycoprotein-like protein; hypothetical protein
13411423	3.06	3.03	1.02	0.907566	0.943707	SFH3	SEC14-like 3 protein
13536049	3.06	3.04	1.01	0.944122	0.96661	AT5G46080	protein kinase family protein
13335773	3.06	3.09	-1.02	0.93481	0.960621	AT1G04501	hypothetical protein
13404767	3.06	3.11	-1.04	0.844622	0.901992	AT2G44175	N-myristoyltransferase-related protein
13498867	3.06	3.13	-1.05	0.581749	0.721238	AT5G07640	RING/U-box domain-containing protein
13410314	3.06	3.15	-1.06	0.72492	0.819733	AT2G19300	hypothetical protein
13446563	3.06	3.19	-1.1	0.673546	0.783652	AT3G08820	pentatricopeptide repeat-containing protein
13381302	3.06	3.22	-1.12	0.843832	0.901486	AT1G60340	No Apical Meristem domain-containing protein
13388402	3.06	3.25	-1.14	0.267333	0.546492	AT1G77100	peroxidase 13
13515123	3.06	3.31	-1.19	0.329305	0.574846	AT5G54880	DTW domain-containing protein
13404296	3.06	3.31	-1.2	0.294731	0.560723	AT2G42975	hypothetical protein
13347899	3.06	3.37	-1.24	0.448468	0.635002	AT1G34580	sugar transport protein 5
13352226	3.06	3.37	-1.24	0.320556	0.570934	AT1G54740	hypothetical protein
13382245	3.06	3.38	-1.25	0.178125	0.494072	AT1G62290	phytepsin
13383937	3.06	3.43	-1.29	0.767463	0.848144	AT1G66310	FBD-associated F-box protein
13354718	3.06	3.44	-1.3	0.201584	0.510189	RHS8	root hair specific 8
13475844	3.06	3.45	-1.31	0.70681	0.807238	AT4G31060	ethylene-responsive transcription factor ERF015
13498663	3.06	3.48	-1.34	0.176212	0.492535	AT5G07230	Tapetum-specific protein A9
13433331	3.06	3.52	-1.38	0.022202	0.326278	AT3G25950	TRAM, LAG1 and CLN8 (TLC) lipid-sensing domain containing protein
13467184	3.06	3.54	-1.4	0.027789	0.343997	GTC2	protein GTC2
13501364	3.06	3.57	-1.43	0.058427	0.393422	AT5G14160	F-box protein
13481162	3.06	3.59	-1.44	0.03632	0.358832	AT4G02870	hypothetical protein
13402450	3.06	3.61	-1.47	0.504021	0.668097	AT2G38646	hypothetical protein
13526315	3.06	3.64	-1.5	0.494552	0.661325	CNGC18	cyclic nucleotide-gated channel 18
13334548	3.06	3.69	-1.54	0.434382	0.626059	AT1G01840	hypothetical protein
13351473	3.06	3.87	-1.75	0.088453	0.424895	SPA4	SPA1-related 4 protein
13369512	3.06	3.89	-1.77	0.160201	0.482731	AT1G18050	SWAP (Suppressor-of-White-APricot)/surp RNA-binding domain-containing protein
13415609	3.06	3.92	-1.81	0.151517	0.473884	AT2G31830	Type II inositol-1,4,5-trisphosphate 5-phosphatase 14
13445370	3.06	3.93	-1.82	0.205163	0.512056	AT3G06070	hypothetical protein
13498109	3.06	3.93	-1.82	0.074612	0.410456	ATL43	RING-H2 finger protein ATL43
13430890	3.06	3.95	-1.85	0.028175	0.345227	CYP705A22	cytochrome P450, family 705, subfamily A, polypeptide 22
13519410	3.06	3.97	-1.88	0.324795	0.573118	WRKY51	putative WRKY transcription factor 51
13391872	3.06	3.98	-1.9	0.059077	0.394681	AT2G05540	glycine-rich protein
13418450	3.06	4.02	-1.94	0.345966	0.58045	AT2G38150	lactosylceramide 4-alpha-galactosyltransferase
13363368	3.06	4.1	-2.05	0.464416	0.643588	AT1G04800	glycine-rich protein
13344868	3.06	4.27	-2.31	0.274792	0.550583	AT1G26890	FBD, F-box and leucine rich repeat domain-containing protein
13481609	3.06	4.36	-2.46	0.444541	0.632155	AT4G04632	protein kinase family protein
13390143	3.06	4.75	-3.24	0.298438	0.562461	AT1G80540	hypothetical protein
13503726	3.06	4.96	-3.74	0.074762	0.410456	AT5G19810	Proline-rich extensin-like family protein

13455336	3.06	5.02	-3.89	0.299945	0.562938	AT3G30456	hypothetical protein
13503724	3.06	5.38	-4.98	0.015456	0.314853	AT5G19800	hydroxyproline-rich glycoprotein family protein
13431327	3.05	2.31	1.67	0.172283	0.489773	AT3G21000	Gag-Pol-related retrotransposon family protein
13401092	3.05	2.67	1.31	0.32761	0.574416	BPC7	basic pentacysteine 7
13351378	3.05	2.69	1.28	0.551153	0.700443	AT1G52810	2-oxoglutarate-dependent dioxygenase-related protein
13356829	3.05	2.7	1.27	0.543607	0.694707		
13493207	3.05	2.9	1.11	0.677355	0.786227	AT4G33800	hypothetical protein
13446675	3.05	2.96	1.06	0.770914	0.850722	AT3G09040	pentatricopeptide repeat-containing protein
13459067	3.05	3.03	1.02	0.947596	0.968736	AT3G52302	hypothetical protein
13411225	3.05	3.06	-1.01	0.874225	0.922202	AT2G21130	Peptidyl-prolyl cis-trans isomerase CYP19-2
13442784	3.05	3.15	-1.07	0.769441	0.849574	AT3G62960	glutaredoxin-C14
13378448	3.05	3.2	-1.1	0.519927	0.678787	AT1G51930	RING/U-box domain-containing protein
13430487	3.05	3.18	-1.1	0.449085	0.635204	AT3G19274	hypothetical protein
13399519	3.05	3.21	-1.12	0.086506	0.422231	AT2G31930	hypothetical protein
13482419	3.05	3.23	-1.13	0.213564	0.518061	AT4G09060	hypothetical protein
13346936	3.05	3.27	-1.17	0.56608	0.710483	AT1G31990	hypothetical protein
13485985	3.05	3.29	-1.18	0.26601	0.546291	AT4G17310	hypothetical protein
13403173	3.05	3.33	-1.21	0.352288	0.582992	AT2G40233	hypothetical protein
13339463	3.05	3.33	-1.22	0.145722	0.470399	SCRM2	uncharacterized basic helix-loop-helix protein
13449744	3.05	3.35	-1.23	0.558108	0.704585	AT3G15356	lectin-like protein
13342712	3.05	3.4	-1.28	0.361193	0.5879	AT1G20740	hypothetical protein
13529971	3.05	3.44	-1.32	0.065193	0.401596	AT5G23640	hypothetical protein
13361586	3.05	3.46	-1.33	0.255057	0.540315	AT1G80580	ethylene-responsive transcription factor ERF084
13452746	3.05	3.47	-1.34	0.146698	0.470962	AT3G22920	peptidylprolyl isomerase
13377415	3.05	3.5	-1.36	0.262656	0.543746	AT1G49420	metal ion binding protein
13455166	3.05	3.52	-1.38	0.293226	0.559559	AT3G29380	transcription initiation factor TFIIB
13435945	3.05	3.52	-1.39	0.202516	0.510485	EXLA3	expansin-like A3
13392587	3.05	3.54	-1.41	0.725758	0.820194	AT2G12200	P-loop containing nucleoside triphosphate hydrolase-like protein
13429582	3.05	3.56	-1.42	0.421448	0.61801	AT3G17580	hypothetical protein
13345632	3.05	3.59	-1.46	0.296112	0.561293	AT1G28500	hypothetical protein
13361412	3.05	3.66	-1.53	0.000539	0.207323	AT1G80120	protein LURP-one-related 5
13462399	3.05	3.73	-1.61	0.268775	0.547516	ATL4	E3 ubiquitin-protein ligase ATL4
13542256	3.05	3.77	-1.64	0.079486	0.414177	ATH11	ABC transporter A family member 9
13376213	3.05	3.86	-1.76	0.198647	0.508119	AT1G44020	cysteine/histidine-rich C1 domain-containing protein
13387943	3.05	3.92	-1.82	0.100775	0.434702	PETE1	Plastocyanin minor isoform
13520198	3.05	3.94	-1.86	0.167293	0.486855	AT5G66590	allergen V5/Tpx-1-related family protein
13434841	3.05	3.97	-1.89	0.293921	0.560263	AT3G32120	hypothetical protein
13467967	3.05	4.01	-1.94	0.388238	0.599123	AT4G12900	Gamma interferon responsive lysosomal thiol (GILT) reductase family protein
13437844	3.05	4.12	-2.11	0.014755	0.313095	AT3G50900	hypothetical protein
13484924	3.05	4.15	-2.14	0.024047	0.332187	BAM5	beta-amylase 5
13527069	3.05	4.57	-2.86	0.073943	0.410257	AT5G16740	Transmembrane amino acid transporter family protein

13395037	3.05	4.86	-3.53	0.291492	0.559213	AT2G20453	hypothetical protein
13358740	3.05	6.03	-7.89	0.000235	0.180656	AT1G73580	C2 domain-containing protein
13374672	3.04	2.28	1.68	0.005348	0.274434	AT1G31820	amino acid permease-like protein
13504877	3.04	2.34	1.62	0.234871	0.529692	AT5G23360	GEM-like protein 7
13545551	3.04	2.51	1.45	0.508366	0.671222		
13378684	3.04	2.52	1.43	0.52585	0.683164	AT1G52450	Ubiquitin carboxyl-terminal hydrolase-related protein
13511030	3.04	2.53	1.43	0.11125	0.442715	AT5G45790	ubiquitin carboxyl-terminal hydrolase-like protein
13466764	3.04	2.62	1.34	0.612829	0.741815	NHL22	protein NDR1/HIN1-like 22
13396734	3.04	2.75	1.22	0.655682	0.771662	AT2G24615	putative defensin-like protein 38
13541649	3.04	2.79	1.19	0.614685	0.743182	SEN2; AT5G60240	tRNA-splicing endonuclease subunit Sen2-2; hypothetical protein
13472509	3.04	2.81	1.18	0.451866	0.636366	AT4G23720	hypothetical protein
13379433	3.04	2.84	1.15	0.380779	0.596106	AT1G54290	protein translation factor SUI1-2
13510899	3.04	2.85	1.14	0.754206	0.839197	AT5G45450	iron transporter-related protein
13411938	3.04	3	1.03	0.81813	0.883641		
13426940	3.04	2.99	1.03	0.824932	0.888269	AT3G11640	hypothetical protein
13475281	3.04	3.06	-1.01	0.936979	0.961778	AT4G29550	hypothetical protein
13407086	3.04	3.09	-1.03	0.886667	0.930765	AT2G02023	hypothetical protein
13454447	3.04	3.12	-1.06	0.883804	0.929117	AT3G27500	cysteine/histidine-rich C1 domain-containing protein
13341574	3.04	3.15	-1.08	0.858253	0.91149	AT1G17910	putative wall-associated receptor kinase-like 13
13365861	3.04	3.18	-1.1	0.474618	0.648967	AT1G09880	rhamnogalacturonate lyase-like protein
13356223	3.04	3.2	-1.12	0.53829	0.691379	AT1G67623	putative F-box protein
13469344	3.04	3.23	-1.14	0.562928	0.707914	AT4G15970	Nucleotide-diphospho-sugar transferase family protein
13471558	3.04	3.25	-1.15	0.587898	0.725995	AT4G21250	Sulfite exporter TauE/SafE family protein
13399311	3.04	3.27	-1.17	0.042167	0.368598	AT2G31335	hypothetical protein
13394449	3.04	3.35	-1.24	0.297345	0.56231	AT2G19010	GDSL esterase/lipase
13497069	3.04	3.38	-1.26	0.111612	0.443023	AT5G03600	GDSL esterase/lipase
13390408	3.04	3.39	-1.28	0.469587	0.646573	MEE65; RPI2	Cyclin/Brf1-like TBP-binding protein; ribose 5-phosphate isomerase A
13408974	3.04	3.43	-1.3	0.126939	0.456733	AT2G15110	hypothetical protein
13336394	3.04	3.45	-1.32	0.310273	0.566973	AT1G06020	putative fructokinase-3
13360942	3.04	3.44	-1.32	0.231422	0.528037		
13454757	3.04	3.62	-1.5	0.6105	0.740188	PGP18	ABC transporter B family member 18
13465440	3.04	3.64	-1.51	0.021766	0.325596	AT4G03830	hypothetical protein
13516987	3.04	3.69	-1.57	0.372378	0.591983	AT5G59330	lipid binding protein
13486315	3.04	3.84	-1.74	0.4879	0.657069	AT4G17920	RING-H2 finger protein ATL29
13492045	3.04	3.89	-1.8	0.23404	0.529452	AT4G31620	B3 domain-containing protein REM3
13352468	3.04	4.23	-2.28	0.004403	0.262292	AT1G55260	xylogen like protein 12
13521455	3.04	4.23	-2.29	0.025997	0.337071	AT5G03204	hypothetical protein
13499739	3.04	4.54	-2.82	0.051843	0.382324	AT5G09910	Ras-related small GTP-binding family protein
13462588	3.04	4.89	-3.61	0.329215	0.574796	ZPR2	protein little zipper 2
13378875	3.04	4.95	-3.75	0.295581	0.561114	AT1G52990	thioesterase-like protein
13495692	3.04	5.4	-5.13	0.199576	0.508965	AT4G39340; CAD9	hypothetical protein; putative cinnamyl alcohol dehydrogenase 9

13516708	3.04	6.13	-8.52	0.340053	0.578063	AT5G58412	Putative membrane lipoprotein
13381905	3.03	2.6	1.35	0.108921	0.440715	AT1G61420; AT1G61415	putative S-locus protein kinase; hypothetical protein
13463021	3.03	2.66	1.29	0.523623	0.681607	CYP78A9	cytochrome p450 78a9
13355185	3.03	2.69	1.27	0.12416	0.453788	AT1G64620	Dof zinc finger protein DOF1.8
13349661	3.03	2.76	1.21	0.384496	0.597873	AT1G48560	hypothetical protein
13400048	3.03	2.8	1.17	0.463425	0.643306		
13362671	3.03	2.89	1.1	0.33444	0.576521	AT1G03100	pentatricopeptide repeat-containing protein
13359166	3.03	2.92	1.08	0.751323	0.837137	AT1G74630	pentatricopeptide repeat-containing protein
13502174	3.03	3.04	-1.01	0.969882	0.982288	AT5G16240	acyl-[acyl-carrier-protein] desaturase
13527935	3.03	3.07	-1.03	0.77459	0.853183	PUCHI	ethylene response factor PUCHI
13337927	3.03	3.09	-1.04	0.926307	0.955658	AT1G09370	plant invertase/pectin methylesterase inhibitor domain-containing protein
13494993	3.03	3.23	-1.15	0.401192	0.606542	AT4G38010	pentatricopeptide repeat-containing protein
13355003	3.03	3.24	-1.16	0.55794	0.704524	AT1G64260	MuDR family transposase
13365491	3.03	3.26	-1.17	0.07147	0.408234	PP2-B15	F-box protein PP2-B15
13439918	3.03	3.32	-1.22	0.059025	0.394644	AT3G55720	hypothetical protein
13542245	3.03	3.36	-1.26	0.249675	0.537218	ATH15	ABC transporter A family member 11
13391067	3.03	3.38	-1.27	0.51983	0.678771	AT2G03110	putative RNA-binding protein
13355671	3.03	3.39	-1.28	0.150355	0.473213	AT1G66020	terpene cyclase, C1 domain-containing protein
13425974	3.03	3.38	-1.28	0.197725	0.507784	AT3G09050	hypothetical protein
13483669	3.03	3.38	-1.28	0.393068	0.601933	AT4G12700	hypothetical protein
13346468	3.03	3.39	-1.29	0.616704	0.744582	AT1G30740	FAD-binding and BBE domain-containing protein
13455323	3.03	3.41	-1.3	0.600228	0.732393	AT3G30370	hypothetical protein
13409562	3.03	3.44	-1.33	0.440349	0.62986	AT2G17180	C2H2-like zinc finger protein
13483883	3.03	3.45	-1.34	0.113709	0.444631	AT4G13230	late embryogenesis abundant domain-containing protein
13436877	3.03	3.47	-1.36	0.107221	0.4394	AT3G48205	hypothetical protein
13522046	3.03	3.47	-1.36	0.274112	0.550583	AT5G04730	Ankyrin-repeat containing protein
13449715	3.03	3.5	-1.38	0.072551	0.408352	AT3G15280	hypothetical protein
13474390	3.03	3.5	-1.39	0.012319	0.301412	AT4G27790	Calcium-binding EF hand family protein
13535264	3.03	3.52	-1.4	0.00129	0.242634	CRA1	12S seed storage protein CRU4
13425462	3.03	3.53	-1.41	0.39916	0.605136	AGD11	calmodulin-like protein 3
13379142	3.03	3.54	-1.42	0.103341	0.436048	AT1G53640	hypothetical protein
13435477	3.03	3.54	-1.42	0.272375	0.549149	FAR8	fatty acyl-CoA reductase 8
13494736	3.03	3.55	-1.44	0.573021	0.715007	CYP81D2	cytochrome P450, family 81, subfamily D, polypeptide 2
13404778	3.03	3.57	-1.46	0.243746	0.534763	AT2G44195	pre-mRNA splicing factor domain-containing protein
13456223	3.03	3.58	-1.46	0.290254	0.558413	AT3G45070	sulfotransferase family protein
13478554	3.03	3.74	-1.63	0.354593	0.584383	AT4G36925	hypothetical protein
13486932	3.03	3.74	-1.64	0.076092	0.410503	AT4G19460	UDP-glycosyltransferase-like protein
13344458	3.03	3.76	-1.66	0.205001	0.51184	AT1G25300	octicosapeptide/Phox/Be.1 domain-containing protein
13438123	3.03	3.86	-1.78	0.023906	0.331704	AT3G51510	hypothetical protein
13526525	3.03	3.91	-1.83	0.308915	0.566568	AT5G15420	hypothetical protein
13434875	3.03	3.93	-1.87	0.266569	0.546291	AT3G32896	hypothetical protein
13359591	3.03	4.02	-1.99	0.00226	0.253459	AT1G75900	GDSL esterase/lipase EXL3

13468425	3.03	4.11	-2.11	0.360607	0.587306	AT4G14225	putative zinc finger A20 and AN1 domain-containing stress-associated protein 8
13526254	3.03	4.11	-2.12	0.150026	0.472896	AT5G14700	Rossmann-fold NAD(P)-binding domain-containing protein
13527379	3.03	4.21	-2.27	0.202952	0.510604	HDG9	homeobox-leucine zipper protein HDG9
13485619	3.03	4.23	-2.3	0.060065	0.395762	AT4G16750	ethylene-responsive transcription factor ERF039
13384072	3.03	4.24	-2.31	0.510105	0.672122	AT1G66690	AtPP-like protein
13450425	3.03	4.32	-2.44	0.003406	0.253459	HCF107	protein high chlorophyll fluorescent 107
13452436	3.03	4.34	-2.48	0.120389	0.451824	AT3G21790	UTP-glucose glucosyltransferase-like protein
13442756	3.03	4.35	-2.51	0.269114	0.547671	AT3G62820	plant invertase/pectin methylesterase inhibitor domain-containing protein
13480308	3.03	4.41	-2.59	0.197593	0.507784	AT4G00870	transcription factor bHLH14
13409013	3.03	4.42	-2.62	0.340318	0.578077	AT2G15327	hypothetical protein
13493097	3.03	4.71	-3.21	0.286977	0.557153	AT4G33590	hypothetical protein
13367023	3.03	4.88	-3.61	0.459056	0.640349	AT1G12411	hypothetical protein
13338820	3.03	4.91	-3.7	0.123363	0.453558	AT1G11450	nodulin MtN21 /EamA-like transporter protein
13471248	3.03	5.3	-4.81	0.338562	0.577393	AT4G20630; AT4G20540; AT4G20530; AT4G20650; AT4G20640; AT4G20620; AT4G20610; AT4G20600; AT4G20590; AT4G20580; AT4G20570; AT4G20560; AT4G20550; AT4G20670; AT3G21990	cysteine-rich repeat secretory protein 44; cysteine-rich repeat secretory protein 53; cysteine-rich repeat secretory protein 54; receptor-like protein kinase-related protein; cysteine-rich repeat secretory protein 43; cysteine-rich repeat secretory protein 45; cysteine-rich repeat secretory protein 46; cysteine-rich repeat secretory protein 47; cysteine-rich repeat secretory protein 48; cysteine-rich repeat secretory protein 49; cysteine-rich repeat secretory protein 50; cysteine-rich repeat secretory protein 51; cysteine-rich repeat secretory protein 52; hypothetical protein; cysteine-rich repeat secretory protein 29
13471254	3.03	5.3	-4.81	0.338562	0.577393	AT4G20630; AT4G20540; AT4G20530; AT4G20650; AT4G20640; AT4G20620; AT4G20610; AT4G20600; AT4G20590; AT4G20580; AT4G20570; AT4G20560; AT4G20550; AT4G20670; AT4G20520; AT3G21990	cysteine-rich repeat secretory protein 44; cysteine-rich repeat secretory protein 53; cysteine-rich repeat secretory protein 54; receptor-like protein kinase-related protein; cysteine-rich repeat secretory protein 43; cysteine-rich repeat secretory protein 45; cysteine-rich repeat secretory protein 46; cysteine-rich repeat secretory protein 47; cysteine-rich repeat secretory protein 48; cysteine-rich repeat secretory protein 49; cysteine-rich repeat secretory protein 50; cysteine-rich repeat secretory protein 51; cysteine-rich repeat secretory protein 52; hypothetical protein; RNA binding / RNA-directed DNA polymerase; cysteine-rich repeat secretory protein 29

13471308	3.03	5.3	-4.81	0.338562	0.577393	AT4G20630; AT4G20540; AT4G20530; AT4G20650; AT4G20640; AT4G20620; AT4G20610; AT4G20600; AT4G20590; AT4G20580; AT4G20570; AT4G20560; AT4G20550; AT4G20670; AT4G20520; AT3G21990	cysteine-rich repeat secretory protein 44; cysteine-rich repeat secretory protein 53; cysteine-rich repeat secretory protein 54; receptor-like protein kinase-related protein; cysteine-rich repeat secretory protein 43; cysteine-rich repeat secretory protein 45; cysteine-rich repeat secretory protein 46; cysteine-rich repeat secretory protein 47; cysteine-rich repeat secretory protein 48; cysteine-rich repeat secretory protein 49; cysteine-rich repeat secretory protein 50; cysteine-rich repeat secretory protein 51; cysteine-rich repeat secretory protein 52; hypothetical protein; RNA binding / RNA-directed DNA polymerase; cysteine-rich repeat secretory protein 29
13403615	3.02	2.1	1.9	0.049178	0.378316	AT2G41180	VQ motif-containing protein
13367237	3.02	2.2	1.77	0.124628	0.453788	ATAN11	WD repeat-containing protein LWD1
13517079	3.02	2.45	1.49	0.004405	0.262292	AT5G59500	C-terminal S-isoprenylcysteine carboxyl O-methyltransferase
13358788	3.02	2.52	1.41	0.242229	0.53397	AT1G73630	putative calcium-binding protein CML26
13428695	3.02	2.52	1.41	0.458875	0.640177	NAC3	NAC domain-containing protein 55
13370895	3.02	2.56	1.38	0.077658	0.412995	AT1G21520	hypothetical protein
13405204	3.02	2.62	1.32	0.371123	0.591914	EXPB4	expansin B4
13376658	3.02	2.77	1.19	0.532271	0.687596	CYP96A8	cytochrome P450, family 96, subfamily A, polypeptide 8
13347094	3.02	2.8	1.17	0.648854	0.766469	AT1G32415	pentatricopeptide repeat-containing protein
13468059	3.02	2.8	1.17	0.621071	0.747551	AT4G13130	cysteine/histidine-rich C1 domain-containing protein
13436290	3.02	2.82	1.15	0.105327	0.43719	AT3G46950; AT3G46960	Mitochondrial transcription termination factor family protein; antiviral helicase SKI2
13413887	3.02	2.88	1.1	0.589645	0.726828	AT2G27670	hypothetical protein
13473064	3.02	2.94	1.06	0.815119	0.881796	AT4G24644	Putative membrane lipoprotein
13350282	3.02	2.95	1.05	0.813476	0.880675	AT1G50180	NB-ARC domain-containing disease resistance protein
13374294	3.02	2.97	1.03	0.791728	0.865352	AT1G30860	RING/U-box domain-containing protein
13379097	3.02	2.99	1.02	0.862194	0.914133	AT1G53520	chalcone isomerase-like protein
13370529	3.02	3.01	1.01	0.987715	0.992995	AT1G20590	putative cyclin
13392103	3.02	3.04	-1.01	0.825026	0.888289	SCRL16	putative defensin-like protein 238
13484132	3.02	3.08	-1.04	0.652073	0.769157	AT4G13690	hypothetical protein
13334454	3.02	3.09	-1.05	0.782156	0.858243	AT1G01695	Phosphatidylinositol N-acetyglucosaminlytransferase subunit P-like protein
13464159	3.02	3.1	-1.06	0.686152	0.792352	AT4G00895	ATPase, F1 complex, OSCP/delta subunit protein
13410139	3.02	3.12	-1.07	0.719247	0.815725	GGPS4	geranylgeranyl pyrophosphate synthase 3
13339429	3.02	3.13	-1.08	0.473244	0.648252	EMB1586	DEAD-box ATP-dependent RNA helicase 47
13403281	3.02	3.13	-1.08	0.699795	0.802476	AT2G40520	nucleotidyltransferase protein
13530150	3.02	3.13	-1.08	0.767949	0.848485	WRKY30	WRKY DNA-binding protein 30

13371326	3.02	3.17	-1.1	0.624198	0.749285	AT1G22550	putative peptide/nitrate transporter
13469540	3.02	3.23	-1.16	0.468453	0.645758	AT4G16447	hypothetical protein
13399813	3.02	3.37	-1.28	0.10162	0.435397	HDG3	homeobox-leucine zipper protein HDG3
13444908	3.02	3.37	-1.28	0.511459	0.673121	AT3G05180	GDSL esterase/lipase
13418431	3.02	3.43	-1.33	0.291963	0.559372	AT2G38100	proton-dependent oligopeptide transport-like protein
13391597	3.02	3.44	-1.34	0.34164	0.578744	NUDT6	nudix hydrolase 6
13457652	3.02	3.44	-1.34	0.22087	0.522049	AT3G49055	hypothetical protein
13408479	3.02	3.45	-1.35	0.233014	0.528793	AT2G10920	hypothetical protein
13470559	3.02	3.45	-1.35	0.090841	0.427902	AT4G18900	transducin/WD40 domain-containing protein
13358400	3.02	3.48	-1.37	0.144134	0.469359	AT1G72660	P-loop containing nucleoside triphosphate hydrolase-like protein
13400627	3.02	3.52	-1.41	0.097369	0.433165	AT2G34360	MATE efflux family protein
13373018	3.02	3.57	-1.46	0.018029	0.319749	TAF4B	TBP-associated factor 4B
13538494	3.02	3.64	-1.53	0.484402	0.654407	AT5G51950	Glucose-methanol-choline (GMC) oxidoreductase family protein
13533588	3.02	3.66	-1.56	0.14402	0.469307	AT5G39560	F-box/kelch-repeat protein
13366543	3.02	3.87	-1.81	0.217774	0.520626	AT1G11040	HSP40/DnaJ peptide-binding protein
13540908	3.02	3.89	-1.82	0.043497	0.372571	CHX25	cation/H(+) antiporter 25
13541084	3.02	3.89	-1.83	0.033011	0.354018	AT5G58780	dehydrodolichyl diphosphate synthase 3
13523139	3.02	4.12	-2.14	0.243209	0.534289	GRP17	glycine rich protein 17
13514535	3.02	4.14	-2.17	0.245693	0.535385	OPT9	oligopeptide transporter 9
13447195	3.02	4.17	-2.23	0.056491	0.389737	AT3G10113	myb family transcription factor
13528052	3.02	4.24	-2.34	0.356573	0.584728	AT5G18880	RNA-directed DNA polymerase (reverse transcriptase)-related family protein
13346169	3.02	4.27	-2.37	0.345832	0.58045		
13359461	3.02	4.33	-2.47	0.347464	0.58045	AT1G75490	dehydration-responsive element-binding protein 2D
13514895	3.02	4.33	-2.49	0.463239	0.643174	AT5G54330	hypothetical protein
13350042	3.02	4.56	-2.91	0.330202	0.575506	GGPS6	geranylgeranyl pyrophosphate synthase 1
13526720	3.02	4.71	-3.24	0.141429	0.467925	COL1	zinc finger protein CONSTANS-LIKE 1
13507017	3.02	5.01	-3.97	0.381836	0.59674	AT5G30341	hypothetical protein
13504025	3.02	5.06	-4.11	0.157096	0.479669	AT5G20560	putative beta-1,3-glucanase
13422987	3.02	5.28	-4.8	0.015865	0.315359	AT3G01730	hypothetical protein
13466833	3.02	5.67	-6.25	0.010268	0.296261	AT4G09750	Rossmann-fold NAD(P)-binding domain-containing protein
13452509	3.02	6.59	-11.92	0.133097	0.462568	AT3G22142	bifunctional inhibitor/lipid transfer protein/seed storage protein-like protein
13388009	3.01	2.27	1.67	0.019766	0.322692	AT1G76230	hypothetical protein
13453970	3.01	2.54	1.38	0.531811	0.687413	AT3G26539	hypothetical protein
13481927	3.01	2.59	1.34	0.480539	0.65238	AT4G05220	late embryogenesis abundant hydroxyproline-rich glycoprotein
13429047	3.01	2.82	1.15	0.53977	0.692057	AT3G16280	ethylene-responsive transcription factor ERF036
13467660	3.01	2.84	1.12	0.284226	0.556108	AT4G11930	hypothetical protein
13481503	3.01	2.89	1.09	0.623489	0.749045	AT4G03600	hypothetical protein
13459327	3.01	2.92	1.07	0.702018	0.803803		
13528900	3.01	2.92	1.06	0.296807	0.562054	RAD51	DNA repair protein RAD51-like 1
13459977	3.01	2.94	1.05	0.452413	0.636679	AT3G54520	hypothetical protein
13522692	3.01	2.95	1.04	0.907418	0.943635	AT5G06470	Glutaredoxin family protein

13478423	3.01	3	1.01	0.985744	0.991747	SFH12	protein SEC14-like 12
13538513	3.01	3.03	-1.02	0.848684	0.904708	CBF4	dehydration-responsive element-binding protein 1D
13363825	3.01	3.08	-1.05	0.765656	0.846933	chr31	chromatin remodeling 31
13391877	3.01	3.08	-1.05	0.512864	0.674141	AT2G05580	glycine-rich protein
13542228	3.01	3.1	-1.06	0.897721	0.936817	AT5G61605	hypothetical protein
13424260	3.01	3.15	-1.1	0.688605	0.793951	AT3G04732	hypothetical protein
13459125	3.01	3.19	-1.13	0.78072	0.85733	AT3G52550	hypothetical protein
13362588	3.01	3.2	-1.14	0.285384	0.556384	AT1G02965	hypothetical protein
13505823	3.01	3.2	-1.14	0.816889	0.883032	AT5G25970	Core-2/I-branching beta-1,6-N-acetylglucosaminyltransferase family protein
13352799	3.01	3.22	-1.16	0.281072	0.554564	AT1G56085	Cyclophilin
13484614	3.01	3.22	-1.16	0.370598	0.591914	AT4G14490	SMAD/FHA domain-containing protein
13493468	3.01	3.22	-1.16	0.25321	0.539191	SK12	S-phase kinase-associated protein 1
13541661	3.01	3.22	-1.16	0.615813	0.743948	AT5G60335	Thioesterase-like protein
13384725	3.01	3.23	-1.17	0.599209	0.731685	AT1G67860	hypothetical protein
13515596	3.01	3.27	-1.2	0.252711	0.538805	AT5G56060	hypothetical protein
13453857	3.01	3.34	-1.26	0.627044	0.751291	AT3G26250	cysteine/histidine-rich C1 domain-containing protein
13435526	3.01	3.36	-1.27	0.215287	0.519459	AT3G44713	hypothetical protein
13510055	3.01	3.38	-1.29	0.025466	0.335434	AT5G43530	Helicase protein with RING/U-box domain
13534459	3.01	3.4	-1.31	0.189813	0.503519	AT5G42120	concanavalin A-like lectin kinase-like protein
13404837	3.01	3.41	-1.32	0.194613	0.505856	AT2G44304	hypothetical protein
13485025	3.01	3.43	-1.33	0.410315	0.611695	UGT84A1; AT4G15475	UDP-glycosyltransferase-like protein; F-box/LRR-repeat protein 4
13524763	3.01	3.44	-1.35	0.529906	0.686387	YUC4	Flavin-binding monooxygenase family protein
13382949	3.01	3.45	-1.36	0.041352	0.367619	AT1G63870	TIR-NBS-LRR class disease resistance protein
13449941	3.01	3.47	-1.38	0.006961	0.285606	AT3G15860	hypothetical protein
13420882	3.01	3.49	-1.4	0.255418	0.540321	AT2G43600	chitinase-like protein
13351770	3.01	3.52	-1.42	0.122244	0.452662	WAG1	protein WAG1
13426098	3.01	3.51	-1.42	0.121018	0.45228	EXO70H4	exocyst complex component 7
13340351	3.01	3.54	-1.44	0.35171	0.582708	AT1G15330	Cystathionine beta-synthase (CBS) protein
13366784	3.01	3.57	-1.48	0.095011	0.431394	AT1G11740	ankyrin repeats-containing protein
13515764	3.01	3.61	-1.51	0.234021	0.529452	AT5G56490	D-arabinono-1,4-lactone oxidase family protein
13392560	3.01	3.69	-1.61	0.043775	0.373007	AT2G11778	hypothetical protein
13465312	3.01	3.88	-1.82	0.017807	0.319501	PETC	cytochrome b6-f complex iron-sulfur subunit
13489224	3.01	3.87	-1.82	0.05255	0.382994	AT4G24930; SAE1A	thylakoid lumenal protein; SUMO-activating enzyme subunit 1A
13534208	3.01	3.87	-1.82	0.252322	0.538705	AT5G41380	CCT motif family protein
13540537	3.01	3.93	-1.89	0.085605	0.420651	AT5G57500	Galactosyltransferase family protein
13416197	3.01	3.95	-1.91	0.41816	0.616351	RALFL18	protein ralf-like 18
13415700	3.01	4.03	-2.04	0.021762	0.325596	AT2G31920	hypothetical protein
13408617	3.01	4.04	-2.04	0.496695	0.663072	AT2G12945	hypothetical protein
13525757	3.01	4.2	-2.28	0.14736	0.471394	SIG4	sigma factor 4
13356429	3.01	4.36	-2.55	0.079901	0.414257	HPR	hydroxypyruvate reductase
13531071	3.01	4.4	-2.61	0.404337	0.608575	AT5G25990	hypothetical protein
13513236	3.01	4.6	-3.01	0.004084	0.262292	NAC097	NAC domain containing protein 97

13360054	3.01	4.88	-3.63	0.071916	0.408234	MAF1	MADS transcription factor MAF1
13449897	3.01	4.92	-3.76	0.005347	0.274434	AT3G15700	putative disease resistance protein
13502778	3.01	4.96	-3.87	0.348153	0.580705	AT5G17847	hypothetical protein
13336087	3.01	5.06	-4.15	0.131774	0.46184	OFP12	ovate family protein 12
13452717	3.01	5.23	-4.69	0.091796	0.429207	ELIP1	chlorophyll A-B binding, early light-inducible protein
13463007	3.01	5.26	-4.73	0.319206	0.570099	AT3G61826	hypothetical protein
13488550	3.01	5.85	-7.12	0.322459	0.57165	AT4G23432	hypothetical protein
13403624	3	2.49	1.42	0.272322	0.549146	PIP5K5	phosphatidylinositol-4-phosphate 5-kinase 5
13386700	3	2.63	1.29	0.181	0.496382	CLE1	protein CLAVATA3/ESR-related 1
13465688	3	2.64	1.28	0.26462	0.545559	CRK40	cysteine-rich receptor-like protein kinase 40
13545525	3	2.65	1.28	0.600794	0.732788		
13408481	3	2.84	1.11	0.412434	0.61329	AT2G10930	hypothetical protein
13512028	3	2.89	1.08	0.667294	0.778978	ELP1	EDM2-like protein1
13470880	3	2.91	1.07	0.79739	0.869646	AT4G19580	DNAJ heat shock N-terminal domain-containing protein
13394791	3	2.99	1.01	0.967164	0.980673	AT2G19870	tRNA/rRNA methyltransferase (SpoU)-like protein
13363914	3	3.07	-1.06	0.392846	0.601749	APS2	glucose-1-phosphate adenylyltransferase
13507559	3	3.11	-1.08	0.808133	0.876937	GSL09	callose synthase
13467547	3	3.18	-1.14	0.036709	0.359764	HAP2	protein hapless 2
13463890	3	3.24	-1.18	0.744015	0.831908	MEE45	putative B3 domain-containing protein REM15
13339765	3	3.25	-1.19	0.583807	0.723005	AT1G13780	F-box/FBD/LRR-repeat -containing protein
13426845	3	3.28	-1.21	0.201577	0.510189	GPAT5	glycerol-3-phosphate acyltransferase 5
13385712	3	3.29	-1.22	0.017384	0.319218	AT1G70400	hypothetical protein
13417557	3	3.3	-1.23	0.549645	0.699239	ABI5	protein abscisic acid-insensitive 5
13347844	3	3.35	-1.28	0.00309	0.253459	ARF21	auxin response factor 21
13481498	3	3.45	-1.37	0.433593	0.625392	AT4G03590	cystatin-related domain-containing protein
13399954	3	3.49	-1.4	0.036953	0.359992	AT2G32630	pentatricopeptide repeat-containing protein
13428713	3	3.48	-1.4	0.659	0.774196		
13485425	3	3.56	-1.47	0.1348	0.463265	AT4G16410	hypothetical protein
13405121	3	3.61	-1.53	0.016841	0.317232	AT2G44880	Pentatricopeptide repeat-containing protein
13426649	3	3.64	-1.57	0.461959	0.642617	AT3G10880	hypothetical protein
13455533	3	3.65	-1.57	0.113137	0.444281	AT3G42060	myosin heavy chain-like protein
13408147	3	3.67	-1.59	0.007932	0.290374	AT2G06555	hypothetical protein
13405086	3	3.68	-1.6	0.275424	0.550666	DAD1	putative phospholipase A1
13459338	3	3.68	-1.6	0.46685	0.645035	AT3G53040	putative late embryogenesis abundant protein
13371295	3	3.72	-1.65	0.27508	0.550583	AT1G22490	transcription factor bHLH94
13362688	3	3.74	-1.68	0.231823	0.528276	AT1G03240	hypothetical protein
13462745	3	3.77	-1.7	0.554127	0.702315	LCR54	defensin-like protein 125
13479701	3	3.76	-1.7	0.355855	0.584638	AT4G39756	putative F-box/kelch-repeat protein
13402948	3	3.82	-1.76	0.02526	0.335081	AT2G39850	subtilisin-like serine protease
13464581	3	3.92	-1.89	0.114233	0.445313	AT4G01890	glycoside hydrolase family 28 protein / polygalacturonase (pectinase) family protein
13347487	3	4.01	-2.02	0.336622	0.576994	AT1G33530	F-box protein
13343498	3	4.03	-2.04	0.144164	0.469359	PAB3	Polyadenylate-binding protein 3
13491266	3	4.07	-2.1	0.47325	0.648252	PIRL7	plant intracellular ras group-related LRR 7
13391133	3	4.18	-2.27	0.382309	0.597016	SK14	S-phase kinase-associated protein 1

13356323	3	4.21	-2.32	0.052395	0.382825	SUFE2	sulfur E2
13390943	3	4.3	-2.46	0.065927	0.402907	AT2G02690	Cysteine/Histidine-rich C1 domain family protein
13518534	3	4.43	-2.69	0.020927	0.324125	AT5G62800	E3 ubiquitin-protein ligase SINA-like 11
13498584	3	4.72	-3.31	0.252407	0.538762	AT5G07040	putative RING-H2 finger protein ATL69
13465930	2.99	2.44	1.46	0.150208	0.473213		
13433464	2.99	2.46	1.45	0.335417	0.576654	CYP86C2	cytochrome P450, family 86, subfamily C, polypeptide 2
13385899	2.99	2.77	1.17	0.582244	0.721572	AT1G70949	hypothetical protein
13386102	2.99	2.77	1.16	0.047221	0.377622	AT1G71460; AT1G71450	pentatricopeptide repeat-containing protein; ethylene-responsive transcription factor ERF021
13448099	2.99	2.79	1.15	0.275603	0.550785	AT3G11950	homogentisate solanesyltransferase
13355005	2.99	2.85	1.1	0.335176	0.576654	AT1G64300	protein kinase-like protein
13514187	2.99	2.86	1.1	0.550797	0.700249	AT5G52901	hypothetical protein
13465181	2.99	2.88	1.08	0.482626	0.65357	AT4G02990	Mitochondrial transcription termination factor family protein
13392850	2.99	2.95	1.03	0.790278	0.864202	AT2G14080	TIR-NBS-LRR class disease resistance protein
13503401	2.99	2.95	1.03	0.885546	0.930155	AT5G19257	hypothetical protein
13498410	2.99	3.01	-1.02	0.850528	0.905829	NF-YA10	nuclear transcription factor Y subunit A-10
13436154	2.99	3.05	-1.04	0.824803	0.888228	ACT12	actin-12
13508178	2.99	3.05	-1.04	0.181514	0.496812	GDU7	glutamine dumper 7
13510372	2.99	3.04	-1.04	0.843301	0.901174	ERF9	ethylene-responsive transcription factor 9
13436904	2.99	3.07	-1.06	0.684767	0.791467	AT3G48240	octicosapeptide/Phox/Bem1p domain-containing protein
13350146	2.99	3.11	-1.09	0.728193	0.821905	AT1G49870	hypothetical protein
13456839	2.99	3.12	-1.09	0.636345	0.758209	UGT76E11	UDP-glucosyl transferase 76E11
13419802	2.99	3.12	-1.1	0.481008	0.652645	AT2G41470	hypothetical protein
13437361	2.99	3.19	-1.14	0.030575	0.350098	AT3G49230	hypothetical protein
13479940	2.99	3.19	-1.15	0.371371	0.591914	PME38	pectinesterase 38
13343691	2.99	3.23	-1.19	0.493703	0.660815	AT1G23074	hypothetical protein
13394503	2.99	3.27	-1.21	0.122562	0.45286	AT2G19150	putative pectinesterase 10
13499848	2.99	3.27	-1.22	0.548955	0.698734	AT5G10120	putative ethylene insensitive 3-like 4 protein
13535189	2.99	3.35	-1.28	0.509519	0.671862	PDLP1	cysteine-rich repeat secretory protein 56
13439969	2.99	3.37	-1.3	0.227176	0.52561	AT3G55780	glycosyl hydrolase family 17 protein
13484185	2.99	3.38	-1.3	0.396306	0.60401	AT4G13800	hypothetical protein
13468594	2.99	3.38	-1.31	0.154976	0.477973	CLPB2	casein lytic proteinase B2
13355636	2.99	3.41	-1.34	0.306896	0.565657	AT1G65870	Disease resistance-responsive (dirigent-like protein) family protein
13461990	2.99	3.45	-1.37	0.440873	0.629996	AT3G59340	hypothetical protein
13344160	2.99	3.45	-1.38	0.380374	0.595815	AT1G24390	hypothetical protein
13542764	2.99	3.48	-1.41	0.621749	0.747925	AT5G63100	S-adenosyl-L-methionine-dependent methyltransferase domain-containing protein
13377172	2.99	3.52	-1.44	0.354275	0.5843	AT1G48740	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase-like protein
13350238	2.99	3.54	-1.47	0.067444	0.405582	AT1G50040	hypothetical protein
13500303	2.99	3.54	-1.47	0.412191	0.613213	AT5G11370	FBD and leucine rich repeat domain-containing protein
13396393	2.99	3.57	-1.5	0.154505	0.477585	RTNLB13	reticulon-like protein B13

13353869	2.99	3.61	-1.53	0.033768	0.354018	AGL56	protein agamous-like 56
13468615	2.99	3.62	-1.54	0.295575	0.561114	ORC1A	origin recognition complex subunit 1
13344814	2.99	3.67	-1.6	0.163086	0.484829	AT1G26762	hypothetical protein
13380490	2.99	3.71	-1.65	0.291894	0.559371	PAP1	transcription factor MYB75
13334916	2.99	3.81	-1.78	0.035915	0.357356	AT1G02570	hypothetical protein
13353856	2.99	4	-2.02	0.129734	0.459766	AT1G60760	plant invertase/pectin methylesterase inhibitor domain-containing protein
13517929	2.99	4	-2.02	0.08205	0.417191	AT5G61550	U-box domain-containing protein 52
13502952	2.99	4.02	-2.04	0.002987	0.253459	NAC088	NAC domain containing protein 88
13340445	2.99	4.12	-2.19	0.313625	0.568024	AT1G15610	hypothetical protein
13499090	2.99	4.14	-2.22	0.234096	0.529452	TCP17	transcription factor TCP17
13500765	2.99	4.2	-2.33	0.127209	0.456893	AT5G12940	leucine-rich repeat-containing protein
13341265	2.99	4.59	-3.04	0.368377	0.590997	RTFL11	protein rotundifolia like 11
13348380	2.99	5.1	-4.3	0.257031	0.541049	AT1G37000	Beta-galactosidase related protein
13422444	2.99	5.84	-7.23	0.078124	0.413717	AT2G47560	RING-H2 finger protein ATL64
13482217	2.99	6.46	-11.1	0.286273	0.556958	AT4G08370	Proline-rich extensin-like family protein
13452234	2.98	2.51	1.38	0.167682	0.48688	AT3G21410	F-box/WD-40 repeat-containing protein 1
13527782	2.98	2.56	1.33	0.304166	0.56469	AT5G18320	putative U-box domain-containing protein 46
13426602	2.98	2.7	1.22	0.540633	0.692668	AT3G10780	emp24/gp25L/p24 family/GOLD domain-containing protein
13479480	2.98	2.72	1.19	0.067569	0.405582	AT4G39235; AT4G39240	hypothetical protein; F-box/kelch-repeat protein
13488782	2.98	2.74	1.18	0.095103	0.431413	TLP1	thaumatin-like protein 1
13348988	2.98	2.9	1.06	0.728442	0.822025	AT1G45163; AT1G45165; AT5G55790	hypothetical protein
13466831	2.98	2.89	1.06	0.274389	0.550583	AT4G09731	hypothetical protein
13397950	2.98	2.92	1.04	0.886489	0.930654	PD1	arogenate dehydratase 3
13445010	2.98	2.92	1.04	0.860278	0.91288	AT3G05450	hypothetical protein
13383375	2.98	3	-1.01	0.944578	0.967008	AT1G65110	Ubiquitin carboxyl-terminal hydrolase-related protein
13433755	2.98	3.05	-1.05	0.801224	0.871869	AT3G26920	FBD and leucine rich repeat domain-containing protein
13494995	2.98	3.04	-1.05	0.809841	0.878168	AT4G38030	Rhamnogalacturonate lyase family protein
13511416	2.98	3.05	-1.05	0.394783	0.60291	NIG1	transcription factor bHLH28
13522020	2.98	3.05	-1.05	0.776412	0.854399	AT5G04690	Ankyrin repeat family protein
13508247	2.98	3.09	-1.08	0.791174	0.864918	AT5G38930	germin-like protein subfamily 1 member 10
13544298	2.98	3.09	-1.08	0.801704	0.872104	AT5G66430	S-adenosyl-L-methionine-dependent methyltransferase-like protein
13378179	2.98	3.16	-1.13	0.681486	0.788762	AT1G51460	ABC transporter G family member 13
13479505	2.98	3.21	-1.17	0.134379	0.463251	CAD9; AT4G39340	putative cinnamyl alcohol dehydrogenase 9; hypothetical protein
13355246	2.98	3.22	-1.18	0.015695	0.315212	NDF2	NDH-dependent cyclic electron flow 1
13539447	2.98	3.22	-1.19	0.318042	0.569548	AT5G54710	ankyrin repeat-containing protein
13458593	2.98	3.27	-1.22	0.298091	0.562461	AT3G51230	hypothetical protein
13527774	2.98	3.39	-1.33	0.052992	0.383093	SIP1;2	putative aquaporin SIP1-2
13478291	2.98	3.46	-1.39	0.150939	0.47363	AT4G36110	SAUR-like auxin-responsive protein
13434303	2.98	3.47	-1.4	0.052894	0.383093	AT3G28500	60S acidic ribosomal protein P2-3
13506715	2.98	3.5	-1.43	0.046136	0.377124	AT5G27889	hypothetical protein
13432876	2.98	3.49	-1.43	0.158357	0.481042	AT3G24790	protein kinase-like protein

13538265	2.98	3.51	-1.45	0.19901	0.508467	AT5G51310	gibberellin 20-oxidase-related protein
13348761	2.98	3.53	-1.46	0.042162	0.368598	AT1G44050	cysteine/histidine-rich C1 domain-containing protein
13465455	2.98	3.59	-1.52	0.380485	0.595912	AT4G03945	plant invertase/pectin methylesterase inhibitor domain-containing protein
13405570	2.98	3.6	-1.53	0.467105	0.645076	AT2G45940	hypothetical protein
13387171	2.98	3.6	-1.54	0.136005	0.465036	CYP78A10	cytochrome P450, family 78, subfamily A, polypeptide 10
13415126	2.98	3.69	-1.63	0.128137	0.45815	PSBP-2	photosystem II oxygen-evolving complex 23kDa protein
13368868	2.98	3.7	-1.64	0.324444	0.573034	AT1G16750	hypothetical protein
13427373	2.98	3.73	-1.68	0.131772	0.46184	AT3G12880	plant invertase/pectin methylesterase inhibitor domain-containing protein
13410124	2.98	3.79	-1.75	0.084029	0.417946	HB21	homeobox-leucine zipper protein ATHB-21
13380356	2.98	3.82	-1.78	0.363945	0.589143	AT1G56270	hypothetical protein
13392006	2.98	3.81	-1.78	0.440626	0.629916		
13495104	2.98	3.83	-1.8	0.147248	0.471394	CSLD4	cellulose synthase-like protein D4
13458228	2.98	3.89	-1.88	0.060142	0.395762	AT3G50320	hypothetical protein
13536593	2.98	4	-2.02	0.060115	0.395762	AT5G47550	cysteine proteinase inhibitor 5
13493289	2.98	4.14	-2.24	0.379168	0.594872	AT4G33970	Pollen-specific leucine-rich repeat extensin-like protein 4
13453403	2.98	4.49	-2.84	0.297947	0.562458	AT3G24600	Late embryogenesis abundant protein, group 2
13367391	2.98	4.62	-3.13	0.27072	0.54852	DOT5	C2H2-like zinc finger protein
13534664	2.98	6.12	-8.82	0.017366	0.319218	DFR	dihydroflavonol-4-reductase
13537205	2.98	9.06	-67.48	0.00564	0.27943	ATSDI1	tetratricopeptide repeat domain-containing protein
13508250	2.97	2.07	1.87	0.206423	0.513094	AT5G38940	germin-like protein subfamily 1 member 11
13439068	2.97	2.44	1.44	0.08083	0.41589	AT3G53820	C2H2 and C2HC zinc finger-containing protein
13505691	2.97	2.51	1.38	0.159581	0.481832	AT5G25500; AT5G25510	hypothetical protein; protein phosphatase 2A regulatory B subunit
13465449	2.97	2.54	1.34	0.247957	0.536315	AT4G03940	hypothetical protein
13412293	2.97	2.67	1.23	0.212681	0.517763	AT2G24250	hypothetical protein
13480918	2.97	2.67	1.23	0.36323	0.588601	AT4G02420	concanavalin A-like lectin kinase-like protein
13336940	2.97	2.74	1.17	0.179452	0.495008	RLP1	receptor like protein 1
13426667	2.97	2.74	1.17	0.542764	0.694286	AT3G10974	hypothetical protein
13537308	2.97	2.75	1.16	0.138252	0.46568	SUS2	sucrose synthase 2
13541850	2.97	2.82	1.11	0.774892	0.853417	AGL8	agamous-like MADS-box protein AGL8
13518477	2.97	2.95	1.02	0.961676	0.977459	TUB2; TUB3	tubulin beta-2/beta-3 chain
13409598	2.97	2.96	1.01	0.974729	0.985051	EXL5	protein exordium like 5
13536244	2.97	2.96	1.01	0.919677	0.951398	AT5G46380	hypothetical protein
13336515	2.97	2.98	-1.01	0.948514	0.969198	ACX6	acyl-CoA oxidase
13371197	2.97	2.98	-1.01	0.9466	0.968004	ZYP1a	synaptonemal complex protein 1
13458085	2.97	2.98	-1.01	0.98586	0.991762	AT3G50040	hypothetical protein
13365569	2.97	2.99	-1.02	0.87185	0.920478	AT1G09220	pentatricopeptide repeat-containing protein
13487142	2.97	3.01	-1.02	0.88203	0.927969	AT4G20095	hypothetical protein
13518373	2.97	3.05	-1.06	0.434574	0.62623	HVA22B	HVA22-like protein b
13518625	2.97	3.12	-1.11	0.479719	0.651994	emb1692	Ubiquitin carboxyl-terminal hydrolase family protein

13347887	2.97	3.15	-1.14	0.434312	0.626049	AT1G34490	putative long-chain-alcohol O-fatty-acyltransferase 10
13535595	2.97	3.19	-1.17	0.168486	0.487177	AT5G44973	defensin-like protein 285
13435589	2.97	3.26	-1.22	0.29305	0.559559	AT3G44770	hypothetical protein
13518514	2.97	3.32	-1.27	0.091607	0.428831	AT5G62730	putative peptide/nitrate transporter
13492361	2.97	3.37	-1.32	0.09811	0.433275	AT4G32230	hypothetical protein
13470228	2.97	3.4	-1.35	0.077376	0.412497	WRKY28	WRKY DNA-binding protein 28
13371369	2.97	3.42	-1.36	0.606021	0.736663	AT1G22670	protease-associated RING/U-box zinc finger-containing protein
13513940	2.97	3.44	-1.38	0.440888	0.629996	EXO70A2	exocyst subunit exo70-A2
13353520	2.97	3.54	-1.48	0.20969	0.514898	EDA1	F-box protein
13410221	2.97	3.58	-1.53	0.250241	0.537509	SHT; AT2G19060	spermidine hydroxycinnamoyl transferase; GDSL esterase/lipase
13410155	2.97	3.71	-1.67	0.469953	0.646758	AT2G18720	translation initiation factor eIF-2 gamma subunit
13370904	2.97	3.75	-1.72	0.198042	0.507953	AT1G21530	pMF8-like amp-binding protein
13388050	2.97	3.79	-1.77	0.2827	0.555512	AT1G76290	AMP-dependent synthetase and ligase family protein
13482542	2.97	3.81	-1.79	0.111649	0.443047	AT4G09649	hypothetical protein
13403751	2.97	3.85	-1.84	0.214205	0.518646	AT2G41445	hypothetical protein
13458586	2.97	3.91	-1.92	0.285186	0.556339	AT3G51200	SAUR-like auxin-responsive protein
13352626	2.97	3.95	-1.96	0.366203	0.590066	LAS	scarecrow-like protein 18
13476781	2.97	3.97	-2	0.109772	0.440987	VTE1	tocopherol cyclase
13537000	2.97	4	-2.03	0.118956	0.449468	DIR1	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13499078	2.97	4.09	-2.16	0.190818	0.504127	AT5G08050	hypothetical protein
13342833	2.97	4.09	-2.17	0.037206	0.360586	AT1G21010	hypothetical protein
13430408	2.97	4.1	-2.18	0.478878	0.651548	AT3G19090	RNA-binding protein
13545605	2.97	4.13	-2.24	0.317516	0.569108	AT3G11402; PRA1.A3	cysteine/histidine-rich C1 domain-containing protein; PRA1 family protein A3
13473015	2.97	4.16	-2.28	0.251558	0.538526	CER2; ATR1	HXXXD-type acyl-transferase-like protein; NADPH-ferrihemoprotein reductase
13410099	2.97	4.27	-2.45	0.022855	0.329835	AT2G18480	putative polyol transporter 3
13479852	2.97	4.27	-2.46	0.333367	0.576298	AT4G00005	prenylated rab acceptor family protein
13483230	2.97	4.49	-2.86	0.341412	0.578648	AT4G11580	putative F-box protein
13474928	2.97	4.6	-3.1	0.165425	0.485944	AT4G28811	transcription factor bHLH119
13455873	2.97	4.7	-3.31	0.104636	0.437012	AT3G43960	putative cysteine proteinase
13481616	2.97	4.88	-3.76	0.282601	0.555512	AT4G04650	RNA-directed DNA polymerase (reverse transcriptase)-related family protein
13504378	2.97	5.03	-4.18	0.289065	0.557782	AT5G22160	hypothetical protein
13467069	2.97	5.37	-5.28	0.041041	0.366381	LHCB5; RPT3	chlorophyll a-b binding protein CP26; regulatory particle triple-A ATPase 3
13462414	2.97	5.51	-5.81	0.301935	0.563858	AT3G60270	putative uclacyanin
13429335	2.97	5.54	-5.92	0.385175	0.598088	AT3G16851	hypothetical protein
13458450	2.96	2	1.95	0.114953	0.446247	AT3G50810	hypothetical protein
13545689	2.96	2.26	1.63	0.19802	0.507953		
13545425	2.96	2.46	1.41	0.246783	0.535608		
13545435	2.96	2.51	1.37	0.293178	0.559559		
13456627	2.96	2.54	1.34	0.186164	0.500418	AT3G46086	hypothetical protein
13348625	2.96	2.61	1.28	0.411892	0.613074	AT1G43260	hAT transposon superfamily protein

13520900	2.96	2.61	1.27	0.136307	0.465036	OSH1; AT5G01570	gamma interferon responsive lysosomal thiol (GILT) reductase family protein; hypothetical protein
13532849	2.96	2.61	1.27	0.251729	0.538552	AT5G37210	cysteine/histidine-rich C1 domain-containing protein
13352419	2.96	2.68	1.22	0.42736	0.621602	AT1G55175	hypothetical protein
13347536	2.96	2.78	1.13	0.709131	0.808725	AT1G33760	ethylene-responsive transcription factor ERF022
13531896	2.96	2.81	1.11	0.629976	0.753793	AT5G28850	protein phosphatase 2 (formerly 2A), regulatory subunit B"
13503100	2.96	2.87	1.07	0.766155	0.847134	AT5G18710	hypothetical protein
13537372	2.96	2.86	1.07	0.49118	0.659185	TBL4	protein trichome birefringence-like 4
13477579	2.96	2.9	1.05	0.37991	0.595501	KCS18	3-ketoacyl-CoA synthase 18
13348590	2.96	2.97	-1.01	0.969527	0.982154	AT1G43140	cullin-like protein
13460820	2.96	2.99	-1.02	0.351062	0.582148	NAC064	NAC domain containing protein 64
13514114	2.96	3.03	-1.05	0.885449	0.930128	AT5G52720	copper transport family protein
13353768	2.96	3.05	-1.06	0.859668	0.912503	AT1G60320	Toll-Interleukin-Resistance domain-containing protein
13395943	2.96	3.08	-1.09	0.814157	0.881143		
13439060	2.96	3.13	-1.13	0.006576	0.28392	Fes1B	hsp70-interacting protein
13353616	2.96	3.13	-1.13	0.446331	0.633684	CCB4; AT1G59850	cofactor assembly of complex C; ARM repeat-containing protein
13375307	2.96	3.15	-1.14	0.677724	0.786495	AT1G33890	avirulence induced protein
13444919	2.96	3.14	-1.14	0.345053	0.579917	AT3G05260	glucose and ribitol dehydrogenase like-2
13422013	2.96	3.16	-1.15	0.031624	0.352537	GAUT2	alpha-1,4-galacturonosyltransferase
13521457	2.96	3.19	-1.17	0.525901	0.683171	AT5G03210	hypothetical protein
13536257	2.96	3.23	-1.2	0.271784	0.548926	PGP7	ABC transporter B family member 7
13510244	2.96	3.33	-1.29	0.001075	0.242634	FLS6	flavonol synthase 6
13470607	2.96	3.36	-1.32	0.023408	0.330182	AT4G18940	RNA ligase/cyclic nucleotide phosphodiesterase family protein
13446935	2.96	3.36	-1.33	0.539404	0.692001	AT3G09480	histone H2B
13352991	2.96	3.4	-1.36	0.191757	0.504877	GolS2	galactinol synthase 2
13404662	2.96	3.47	-1.42	0.12216	0.452662	AT2G43871	hypothetical protein
13494599	2.96	3.49	-1.44	0.185312	0.499807	PLP4; MAP1D	PATATIN-like protein 4; methionine aminopeptidase 1D
13378667	2.96	3.5	-1.45	0.452503	0.636679	AT1G52390	hypothetical protein
13456456	2.96	3.51	-1.47	0.711887	0.81034	AT3G45673	hypothetical protein
13461054	2.96	3.51	-1.47	0.275282	0.550583	SDP1-LIKE	sugar-dependent 1-like protein
13478894	2.96	3.51	-1.47	0.206933	0.513335	bZIP7	basic leucine-zipper 7
13341210	2.96	3.61	-1.57	0.31636	0.568464	AT1G17150	Pectin lyase-like protein
13340626	2.96	3.64	-1.6	0.185862	0.500307	NDF1	NDH-dependent cyclic electron flow 1
13401250	2.96	3.65	-1.61	0.32526	0.573176	AT2G35765	hypothetical protein
13453674	2.96	3.7	-1.67	0.075897	0.410503	AT3G25620	ABC transporter G family member 21
13545619	2.96	3.82	-1.82	0.392385	0.601595	AT3G56830	hypothetical protein
13466851	2.96	3.92	-1.94	0.082815	0.417856	LCR13	putative defensin-like protein 129
13540520	2.96	3.95	-1.99	0.519223	0.678289	XRCC3	DNA repair protein XRCC3-like protein
13339546	2.96	4.05	-2.13	0.146229	0.470765	CYP71B7	cytochrome P450 71B7
13337087	2.96	4.05	-2.14	0.202833	0.510485	AT1G07795	hypothetical protein
13487009	2.96	4.12	-2.24	0.043489	0.372571	AT4G19720	Glycosyl hydrolase family protein with chitinase insertion domain

13375723	2.96	4.26	-2.46	0.272822	0.549686	AT1G35610	cysteine/histidine-rich C1 domain-containing protein
13413733	2.96	4.29	-2.52	0.239814	0.532685	AT2G27315	hypothetical protein
13440720	2.96	4.3	-2.54	0.20962	0.514872	AT3G57830	leucine-rich repeat protein kinase-like protein
13484912	2.96	4.4	-2.71	0.0423	0.368598	AT4G15150	glycine-rich protein
13395717	2.96	4.45	-2.81	0.064808	0.401596	AT2G21960	hypothetical protein
13389893	2.96	4.48	-2.87	0.418903	0.616615		
13446939	2.96	4.48	-2.87	0.418903	0.616615		
13521301	2.96	4.48	-2.87	0.418903	0.616615		
13535432	2.96	4.73	-3.42	0.267034	0.546492	AT5G44540	Tapetum specific protein TAP35/TAP44
13347037	2.96	4.96	-3.99	0.331112	0.576012	AT1G32300	D-arabinono-1,4-lactone oxidase-like protein
13468618	2.96	5.11	-4.44	0.300597	0.563492	AT4G14723	epidermal patterning factor-like protein 4
13401001	2.95	2.53	1.34	0.099974	0.434356	AT2G35310	B3 domain-containing protein
13518214	2.95	2.62	1.25	0.449256	0.635232	AT5G62150	peptidoglycan-binding LysM domain-containing protein
13481985	2.95	2.67	1.21	0.752067	0.837541		
13519455	2.95	2.74	1.16	0.583715	0.722986	AT5G64910; CIP8	hypothetical protein; E3 ubiquitin-protein ligase CIP8
13394402	2.95	2.75	1.15	0.781207	0.857563	AT2G18930	hypothetical protein
13389133	2.95	2.77	1.14	0.597983	0.731296	AT1G78840	putative F-box/FBD/LRR-repeat protein
13507818	2.95	2.76	1.14	0.206831	0.513335	PDLP7	cysteine-rich repeat secretory protein 60
13393360	2.95	2.85	1.07	0.836197	0.896445	AT2G16385	hypothetical protein
13521715	2.95	2.9	1.04	0.465452	0.644356	MLS	malate synthase
13372329	2.95	3.01	-1.05	0.766821	0.847683	IPT6	adenylate isopentenyltransferase 6
13540922	2.95	3.03	-1.06	0.892361	0.933752	AT5G58480	glucan endo-1,3-beta-glucosidase 9
13510489	2.95	3.06	-1.08	0.612057	0.741325	AT5G44565	hypothetical protein
13448228	2.95	3.09	-1.1	0.576818	0.717177	RABA4D	RAB GTPase-like protein A4D
13391213	2.95	3.16	-1.15	0.174388	0.491426	UPS4	ureide permease 4
13473444	2.95	3.16	-1.15	0.270302	0.548453	AT4G25580	CAP160 protein
13470595	2.95	3.16	-1.16	0.283658	0.555903	AT4G18920	hypothetical protein
13362432	2.95	3.31	-1.28	0.202719	0.510485	AT1G02710	glycine-rich protein
13421660	2.95	3.3	-1.28	0.573103	0.715015	CYP76C4	cytochrome P450 76C4
13378106	2.95	3.32	-1.29	0.03513	0.355472	DegP6	DegP protease 6
13528849	2.95	3.31	-1.29	0.141585	0.467992	AT5G20736	hypothetical protein
13486815	2.95	3.36	-1.33	0.294859	0.560863	AT4G19130	replication factor A1
13491046	2.95	3.41	-1.38	0.193802	0.505856	LCR26	putative defensin-like protein 160
13469705	2.95	3.48	-1.45	0.171957	0.489644	PLA-I{beta]2	lipase class 3 family protein
13510754	2.95	3.49	-1.45	0.628691	0.752539	AT5G45120	aspartyl protease family protein
13534419	2.95	3.52	-1.49	0.006205	0.280665	AT5G42070	hypothetical protein
13476392	2.95	3.53	-1.49	0.087102	0.422399	ASY2	DNA-binding HORMA family protein
13434262	2.95	3.74	-1.73	0.058842	0.394439	AT3G28250	carbohydrate-binding X8 domain-containing protein
13410089	2.95	3.78	-1.78	0.03161	0.352537	PERK4	roline-rich extensin-like receptor kinase 4
13521534	2.95	3.91	-1.95	0.302326	0.563905	AT5G03435	Ca2+dependent plant phosphoribosyltransferase family protein
13382954	2.95	4.05	-2.15	0.277267	0.551928	AT1G63880	TIR-NBS-LRR class disease resistance protein
13399447	2.95	4.2	-2.37	0.226447	0.525194	AT2G31700	hypothetical protein
13376292	2.95	4.4	-2.75	0.022463	0.327755	ILL6	IAA-amino acid hydrolase ILR1-like 6

13425897	2.95	4.72	-3.41	0.182175	0.497223	LHCB4.2	chlorophyll a-b binding protein CP29.2
13545645	2.95	4.88	-3.82	0.257637	0.541251	AT5G53742; AT5G53740	hypothetical protein
13346202	2.95	5.52	-5.93	0.011393	0.297771	PSAK	photosystem I reaction center subunit psaK
13408324	2.95	5.54	-5.99	0.446759	0.63389	AT2G07691; ArthMp107	hypothetical protein
13545223	2.95	5.54	-5.99	0.446759	0.63389	AT2G07691; ArthMp107	hypothetical protein
13359543	2.94	2.46	1.4	0.36046	0.587134	AT1G75770	hypothetical protein
13336132	2.94	2.47	1.38	0.247019	0.535701	AT1G05600	pentatricopeptide repeat-containing protein
13407154	2.94	2.57	1.29	0.41434	0.614187	PP2-B6	putative F-box protein PP2-B6
13439910	2.94	2.59	1.28	0.151969	0.474154	AT3G55700	UDP-glycosyltransferase-like protein
13510415	2.94	2.59	1.27	0.537294	0.690527		
13454362	2.94	2.62	1.25	0.076911	0.411576	AT3G27290	F-box protein
13474294	2.94	2.68	1.19	0.283399	0.555903	AT4G27590	heavy metal associated domain-containing protein
13452489	2.94	2.73	1.15	0.258092	0.541251	AT3G22080	TRAF-like family protein
13433224	2.94	2.82	1.09	0.574822	0.716191	EDF3	AP2/ERF and B3 domain-containing transcription factor ARF14
13405911	2.94	2.88	1.04	0.927417	0.956048		
13382150	2.94	2.9	1.03	0.709909	0.809257	AT1G62050	ankyrin repeat-containing protein
13345486	2.94	2.99	-1.04	0.806661	0.87601	SOT7	sulfotransferase 7
13500591	2.94	3.02	-1.06	0.627616	0.751739	AT5G11940	Subtilase family protein
13538986	2.94	3.02	-1.06	0.890056	0.932363	AT5G53260	Seed maturation protein
13339771	2.94	3.03	-1.07	0.624722	0.74964	AT1G13790	XH/XS domain-containing protein
13410143	2.94	3.04	-1.07	0.690325	0.795371	PNP-A	EG45-like domain-containing protein 2
13399907	2.94	3.05	-1.09	0.671252	0.781937	AT2G32550	Cell differentiation, Rcd1-like protein
13462308	2.94	3.08	-1.1	0.65275	0.769605	SK5	S-phase kinase-associated protein 1
13515384	2.94	3.07	-1.1	0.863611	0.914853	AT5G55508	hypothetical protein
13497493	2.94	3.1	-1.12	0.485524	0.655211	AT5G04500	glycosyltransferase family protein 47
13506012	2.94	3.11	-1.13	0.257385	0.541247	AT5G26692	Putative membrane lipoprotein
13375625	2.94	3.14	-1.15	0.597385	0.731118	AT1G35255	hypothetical protein
13339372	2.94	3.15	-1.16	0.122125	0.452662	AT1G12660	hypothetical protein
13358353	2.94	3.2	-1.2	0.320633	0.570934	AT1G72570	AP2-like ethylene-responsive transcription factor AIL1
13436196	2.94	3.24	-1.23	0.205195	0.512056	RTFL4	protein rotundifolia like 4
13340335	2.94	3.26	-1.25	0.533468	0.688042	AT1G15260	hypothetical protein
13353136	2.94	3.33	-1.3	0.132042	0.46218	AT1G57770	FAD/NAD(P)-binding oxidoreductase domain-containing protein
13467148	2.94	3.32	-1.3	0.27572	0.550852	AT4G10603	putative defensin-like protein 169
13458694	2.94	3.33	-1.31	0.555995	0.703353	TMT3	monosaccharide-sensing protein 3
13538761	2.94	3.35	-1.33	0.039543	0.364953	AT5G52780	hypothetical protein
13464412	2.94	3.36	-1.34	0.41697	0.615739	AT4G01460	transcription factor bHLH57
13456737	2.94	3.38	-1.35	0.15885	0.481364	AT3G46380	hypothetical protein
13497574	2.94	3.37	-1.35	0.325121	0.573167	CYP77A9	cytochrome P450, family 77, subfamily A, polypeptide 9
13363798	2.94	3.47	-1.44	0.308417	0.566402	AT1G05440	C-8 sterol isomerase
13454637	2.94	3.49	-1.47	0.222841	0.524028	MYB0	trichome differentiation protein GL1
13372152	2.94	3.55	-1.53	0.285141	0.556339	DRNL	ethylene-responsive transcription factor ESR2

13440141	2.94	3.56	-1.54	0.388318	0.599123	AT3G56300	cysteinyl-tRNA synthetase
13477471	2.94	3.57	-1.55	0.313598	0.568024	AT4G34330	hypothetical protein
13506522	2.94	3.57	-1.55	0.302709	0.563999	AGL89	protein agamous-like 89
13416607	2.94	3.62	-1.6	0.247856	0.536315	AT2G34030	calcium-binding EF-hand-containing protein
13501586	2.94	3.64	-1.62	0.305788	0.565059	AT5G14860	putative glucosyltransferase
13518453	2.94	3.75	-1.75	0.475781	0.649775	AT5G62627	putative defensin-like protein 265
13408621	2.94	3.85	-1.89	0.363557	0.588822	AT2G13126	hypothetical protein
13453505	2.94	3.94	-2.01	0.302193	0.563905	RLP40	receptor like protein 40
13504684	2.94	4.06	-2.18	0.154794	0.477818	MYB37	transcription factor RAX1
13401168	2.94	4.26	-2.5	0.20147	0.510189	AT2G35640	hydroxyproline-rich glycoprotein family protein
13356924	2.94	4.33	-2.62	0.187173	0.501665	CLE10	protein CLAVATA3/ESR-related 10
13532805	2.94	4.42	-2.79	0.34497	0.579915	NHL25	NDR1/HIN1-like 25
13351317	2.94	4.46	-2.87	0.328416	0.574416	AT1G52618	hypothetical protein
13455655	2.94	4.58	-3.1	0.32365	0.572669	AT3G43153	cAMP-dependent protein kinase inhibitor-related protein
13340300	2.94	4.61	-3.18	0.35821	0.585706	AT1G15190	fasciclin-like arabinogalactan protein 19
13394929	2.94	4.77	-3.56	0.003118	0.253459	PSAE-2	photosystem I reaction center subunit IV B
13543504	2.94	4.88	-3.84	0.280472	0.554406	AT5G64720	hypothetical protein
13502681	2.94	4.91	-3.92	0.082843	0.417856	AT5G17450	heavy metal transport/detoxification domain-containing protein
13526486	2.94	4.95	-4.02	0.173476	0.490839	AT5G15360	hypothetical protein
13422121	2.93	1.86	2.1	0.012885	0.304248	AT2G46670	CCT motif family protein
13335852	2.93	2.38	1.46	0.456258	0.638899	EMB1687	putative ribonuclease P/MRP protein subunit POP5
13512482	2.93	2.54	1.31	0.168765	0.487446	AT5G49110	fanconi anemia group I protein
13449447	2.93	2.67	1.2	0.133835	0.463251		
13421549	2.93	2.72	1.16	0.264855	0.545649	CRR4	chlororespiratory reduction 4 protein
13481297	2.93	2.76	1.12	0.339599	0.577996	AT4G03130	BRCT domain-containing DNA repair protein
13378670	2.93	2.79	1.11	0.857147	0.910677	AT1G52430	Ubiquitin carboxyl-terminal hydrolase-related protein
13430541	2.93	2.78	1.11	0.643612	0.76248	AT3G19400	putative cysteine proteinase
13375549	2.93	2.82	1.08	0.78738	0.862187	AT1G34792	Plant thionin family protein
13350938	2.93	2.86	1.05	0.81784	0.88355	AT1G51670	hypothetical protein
13423185	2.93	2.87	1.04	0.111601	0.443023	PTF1	transcription factor TCP13
13419319	2.93	2.89	1.03	0.693322	0.797666	ABI4	ethylene-responsive transcription factor ABI4
13396754	2.93	2.91	1.01	0.929725	0.95721		
13435606	2.93	2.97	-1.03	0.827998	0.890676	AT3G44790	TRAF-like family protein
13495802	2.93	2.98	-1.03	0.890406	0.932559	FKBP16-2	putative FKBP-type peptidyl-prolyl cis-trans isomerase 4
13364362	2.93	3.05	-1.08	0.350331	0.581977	PLA-I{gamma}1; AT1G06790	phospholipase A1-Igamma1; RNA polymerase Rpb7 N-terminal domain-containing protein
13351012	2.93	3.07	-1.1	0.707544	0.807689	AT1G51770	Core-2/I-branching beta-1,6-N-acetylglucosaminyltransferase family protein
13368814	2.93	3.06	-1.1	0.545083	0.695828	AT1G16515	hypothetical protein
13414024	2.93	3.09	-1.12	0.598426	0.731537	BLH8	BEL1-like homeodomain 8
13463914	2.93	3.11	-1.13	0.63443	0.756809	AT4G00315	putative F-box/FBD/LRR-repeat protein

13382543	2.93	3.14	-1.15	0.343382	0.579024	ddf2	dehydration-responsive element-binding protein 1E
13434427	2.93	3.13	-1.15	0.284541	0.556257	AT3G28830	hypothetical protein
13355228	2.93	3.14	-1.16	0.42077	0.617627	AT1G64710	putative alcohol dehydrogenase
13437170	2.93	3.19	-1.19	0.482804	0.653594	AT3G48790	serine palmitoyltransferase
13375303	2.93	3.21	-1.21	0.59643	0.730754	AT1G33880	avirulence-induced protein
13444159	2.93	3.21	-1.21	0.453977	0.637454	AT3G03580	pentatricopeptide repeat-containing protein
13382140	2.93	3.26	-1.26	0.474138	0.648712	AT1G62030	cysteine/histidine-rich C1 domain-containing protein
13353292	2.93	3.27	-1.27	0.0843	0.418249	AT1G58450	putative peptidylprolyl isomerase
13444959	2.93	3.3	-1.29	0.473018	0.648252	AT3G05327	Cyclin family protein
13430896	2.93	3.34	-1.32	0.218645	0.520838	CYP705A23	cytochrome P450, family 705, subfamily A, polypeptide 23
13438985	2.93	3.4	-1.38	0.047854	0.37767	AT3G53530	Chloroplast-targeted copper chaperone protein
13438063	2.93	3.53	-1.51	0.480711	0.652522	SSL4	strictosidine synthase-like 4 protein
13510464	2.93	3.52	-1.51	0.113672	0.444631	AT5G44530	Subtilase family protein
13384682	2.93	3.55	-1.53	0.045625	0.376165	AT1G67760	TCP-1/cpn60 chaperonin family protein
13353038	2.93	3.62	-1.61	0.225117	0.524988		
13353040	2.93	3.62	-1.61	0.225117	0.524988		
13353042	2.93	3.62	-1.61	0.225117	0.524988		
13353044	2.93	3.62	-1.61	0.225117	0.524988		
13353046	2.93	3.62	-1.61	0.225117	0.524988		
13455549	2.93	3.63	-1.62	0.142881	0.468775	AT3G42155	glycosyl hydrolase family 9 protein
13425376	2.93	3.65	-1.65	0.334316	0.576412		
13485035	2.93	3.71	-1.72	0.223075	0.524154	PPDK	pyruvate, phosphate dikinase 1
13369208	2.93	3.74	-1.75	0.480821	0.652547	AT1G17540	Protein kinase protein with adenine nucleotide alpha hydrolases-like domain
13513925	2.93	3.78	-1.8	0.025651	0.33601	LTI65	CAP160 protein
13348317	2.93	3.85	-1.89	0.353474	0.583738	AT1G36510	nucleic acid-binding domain-containing protein
13410281	2.93	3.86	-1.91	0.205544	0.512407	AT2G19220	hypothetical protein
13350700	2.93	3.92	-1.98	0.207037	0.513426	AT1G51210	UDP-glycosyltransferase-like protein
13449409	2.93	3.93	-2	0.07528	0.410503	AT3G14320	putative RING-H2 finger protein ATL61
13506588	2.93	3.94	-2.02	0.02882	0.347391	ACBP5	acyl-CoA binding protein 5
13367225	2.93	4.05	-2.17	0.002815	0.253459	GAPA-2	glyceraldehyde-3-phosphate dehydrogenase (NADP+) (phosphorylating)
13495546	2.93	4.15	-2.33	0.513463	0.674587	GH9B16	glycosyl hydrolase 9B16
13345679	2.93	4.16	-2.34	0.591108	0.727414		
13507126	2.93	4.35	-2.68	0.37698	0.593611	AT5G34869	hypothetical protein
13393304	2.93	4.77	-3.57	0.131067	0.460967	AT2G16019	hypothetical protein
13353848	2.93	4.97	-4.11	0.388421	0.599123	AT1G60720	RNA-directed DNA polymerase (reverse transcriptase)-related protein
13457131	2.93	5.49	-5.89	0.012551	0.301412	AT3G47480	putative calcium-binding protein CML47
13354545	2.93	5.61	-6.39	0.009175	0.296261	AT1G62975	transcription factor bHLH125
13348430	2.92	2.21	1.64	0.428374	0.622324	AT1G42190	GAG/POL/ENV polyprotein
13470260	2.92	2.43	1.4	0.398247	0.604949	PUP10	purine permease 10
13511329	2.92	2.47	1.37	0.114586	0.44579	NAC096	NAC domain containing protein 96
13513579	2.92	2.55	1.29	0.388498	0.599123	AT5G51470	auxin-responsive GH3 family protein
13487758	2.92	2.63	1.22	0.639011	0.759612	AT4G21890	hypothetical protein

13515712	2.92	2.67	1.19	0.595926	0.730362	GAMT2	gibberellic acid methyltransferase 2
13349910	2.92	2.79	1.09	0.271872	0.548926	AT1G49260	hypothetical protein
13444129	2.92	2.88	1.03	0.798921	0.870688	NPC5	non-specific phospholipase C5
13446764	2.92	2.95	-1.02	0.914577	0.94825	AT3G09162	hypothetical protein
13355574	2.92	2.97	-1.03	0.687097	0.792962	EXPB6	beta expansin 6
13506717	2.92	2.97	-1.03	0.45715	0.639333	AT5G27890	hypothetical protein
13378703	2.92	3.02	-1.07	0.15139	0.473698	AT1G52510; MMH-1	alpha/beta-hydrolase domain-containing protein; formamidopyrimidine-DNA glycosylase
13393599	2.92	3.05	-1.09	0.201274	0.510163	AT2G17036	F-box-like protein
13513018	2.92	3.09	-1.12	0.504824	0.668458	AT5G50175	hypothetical protein
13525497	2.92	3.13	-1.16	0.647518	0.765458	SAG29	senescence-associated protein 29
13527494	2.92	3.14	-1.17	0.373082	0.592367	AT5G17590	Putative membrane lipoprotein
13395627	2.92	3.16	-1.18	0.207847	0.513608	CESA9	cellulose synthase A
13524715	2.92	3.17	-1.19	0.756776	0.840806	GLR2.6	glutamate receptor 2.6
13475008	2.92	3.19	-1.2	0.034579	0.355201	ROP9	Rac-like GTP-binding protein ARAC7
13410252	2.92	3.18	-1.2	0.605744	0.736577	FRK1	senescence-induced receptor-like serine/threonine-protein kinase
13348059	2.92	3.21	-1.22	0.170671	0.488769	RALFL5	protein RALF-like 5
13397827	2.92	3.21	-1.23	0.45215	0.636608	AT2G27360	GDSL esterase/lipase
13403852	2.92	3.28	-1.29	0.434258	0.626004	AT2G41610; AT2G41620	hypothetical protein; Nup93/Nic96 nucleoporin interacting component-containing protein
13442057	2.92	3.3	-1.3	0.13756	0.46568	AT3G61080	protein kinase-like protein
13347334	2.92	3.32	-1.32	0.374094	0.592855	AT1G33100	MATE efflux family protein
13398757	2.92	3.35	-1.35	0.53236	0.687596	AT2G29850	hypothetical protein
13392464	2.92	3.37	-1.37	0.159395	0.481801	AT2G09388	hypothetical protein
13483911	2.92	3.39	-1.38	0.114309	0.445324	YUC2	Flavin-binding monooxygenase family protein
13501491	2.92	3.42	-1.41	0.365446	0.589744	AT5G14560	hypothetical protein
13502287	2.92	3.51	-1.51	0.036648	0.359695	PIN5	putative auxin efflux carrier component 8
13406204	2.92	3.58	-1.58	0.016106	0.315398	AT2G47360	hypothetical protein
13481457	2.92	3.65	-1.65	0.535544	0.689448	AT4G03490	Ankyrin repeat family protein
13463039	2.92	3.66	-1.67	0.315232	0.568201	AT3G61947	hypothetical protein
13482386	2.92	3.67	-1.68	0.505076	0.668639	AT4G08949	hypothetical protein
13525489	2.92	3.66	-1.68	0.063581	0.399503	AT5G13140	Pollen Ole e 1 allergen and extensin family protein
13357864	2.92	3.71	-1.72	0.422203	0.618418	AT1G71470	hypothetical protein
13431209	2.92	3.81	-1.85	0.143817	0.469269	GATA29	GATA transcription factor 29
13336125	2.92	3.83	-1.88	0.058842	0.394439	UGT75B1	indole-3-acetate beta-glucosyltransferase 1
13477284	2.92	3.84	-1.88	0.47735	0.650631		
13414498	2.92	4.01	-2.14	0.417141	0.615833	AT2G29220	concanavalin A-like lectin protein kinase-like protein
13436240	2.92	4.05	-2.2	0.34435	0.579452	AT3G46840	Subtilase family protein
13337122	2.92	4.07	-2.22	0.250849	0.537953	AT1G07850	hypothetical protein
13448387	2.92	4.11	-2.27	0.127662	0.45753	AT3G12470	DEDDy 3'-5' exonuclease domain-containing protein
13377587	2.92	4.14	-2.32	0.367348	0.590549	AT1G49830	ethylene-responsive protein-related protein
13485306	2.92	4.15	-2.35	0.250559	0.537797	AT4G16195	self-incompatibility S1 family protein
13533556	2.92	4.16	-2.37	0.090184	0.427018	AT5G39493	self-incompatibility S1 family protein

13408881	2.92	4.4	-2.79	0.104451	0.436671	PRB1	pathogenesis-related protein 1
13430388	2.92	4.49	-2.98	0.235976	0.530405	AT3G19070	cell wall protein-like protein
13541324	2.92	4.51	-3.01	0.113858	0.444797	PUM16	pumilio 16
13544847	2.92	4.56	-3.11	0.400529	0.606154		
13519676	2.92	4.57	-3.14	0.471573	0.64746	AGL78	protein agamous-like 78
13496433	2.92	4.72	-3.47	0.009354	0.296261	AT5G02160	hypothetical protein
13398765	2.92	4.81	-3.72	0.433586	0.625392	AT2G29870	aquaporin NIP
13522950	2.92	5.38	-5.51	0.0091	0.296244	ST2A	sulfotransferase 2A
13464434	2.91	2.2	1.64	0.093837	0.430403	ARV2	Arv1-like protein
13521262	2.91	2.45	1.38	0.006856	0.285606	AT5G02490	heat shock protein 70
13472009	2.91	2.45	1.37	0.099377	0.434062	LCR85	defensin-like protein 97
13533905	2.91	2.57	1.27	0.318444	0.569583	AT5G40520	hypothetical protein
13479668	2.91	2.64	1.21	0.441086	0.630118	AT4G39675	hypothetical protein
13532055	2.91	2.69	1.16	0.214562	0.519072	AT5G33406	hAT family dimerization domain-containing protein
13462470	2.91	2.72	1.14	0.61798	0.745367	HAT3	homeobox-leucine zipper protein HAT3
13461876	2.91	2.78	1.09	0.607536	0.737689	AT3G59040; TT12	pentatricopeptide repeat-containing protein; protein TRANSPARENT TESTA 12
13527564	2.91	2.79	1.08	0.516563	0.676328	AT5G17740	AAA-type ATPase family protein
13363672	2.91	2.88	1.02	0.901865	0.939879	HDG2	homeobox-leucine zipper protein HDG2
13338741	2.91	2.89	1.01	0.450885	0.635828	SYP125	syntaxin-125
13511251	2.91	2.92	-1.01	0.894546	0.935182	AT5G46440	hypothetical protein
13395068	2.91	2.94	-1.02	0.903312	0.940802	GPRI1	GBF's pro-rich region-interacting factor 1
13509138	2.91	2.93	-1.02	0.967042	0.980673	AT5G41320; AT5G41330	hypothetical protein; BTB/POZ domain with WD40/YVTN repeat-containing protein
13458642	2.91	2.95	-1.03	0.238773	0.532292	AT3G51340	aspartyl protease family protein
13387249	2.91	2.99	-1.06	0.757685	0.841371	AT1G74370	RING/U-box domain-containing protein
13359948	2.91	3.07	-1.12	0.674313	0.784257	AT1G76770	alpha-crystallin domain of heat shock protein-containing protein
13353982	2.91	3.1	-1.14	0.700369	0.802962	AT1G61190	LRR and NB-ARC domain-containing disease resistance protein
13345774	2.91	3.11	-1.15	0.64399	0.76277	CIPK18	CBL-interacting serine/threonine-protein kinase 18
13429570	2.91	3.13	-1.16	0.660199	0.775	AT3G17500	F-box associated protein
13434663	2.91	3.12	-1.16	0.586445	0.724859	AT3G29791	hypothetical protein
13339355	2.91	3.19	-1.21	0.400607	0.606202	AT1G12630	ethylene-responsive transcription factor ERF027
13469359	2.91	3.24	-1.25	0.534025	0.688406	AT4G16030	Ribosomal protein L19e family protein
13365642	2.91	3.24	-1.26	0.404518	0.608704	NIMIN-3	NIM1-interacting 3 protein
13516947	2.91	3.27	-1.28	0.656543	0.772326	AT5G59190	subtilase family protein
13481982	2.91	3.37	-1.37	0.154236	0.47717	AT4G05497	putative F-box/LRR-repeat protein 9
13374463	2.91	3.47	-1.47	0.097791	0.433275	AT1G31370	Ubiquitin-specific protease family C19-related protein
13452831	2.91	3.46	-1.47	0.248467	0.536487	AT3G23245	hypothetical protein
13366951	2.91	3.55	-1.55	0.288823	0.557782	AT1G12064	hypothetical protein
13411396	2.91	3.56	-1.56	0.276206	0.551185	AT2G21480	Malectin/receptor-like protein kinase
13437964	2.91	3.61	-1.62	0.507101	0.670389	AT3G51171	putative F-box protein
13534851	2.91	3.62	-1.64	0.29455	0.560624	AT5G43211	hypothetical protein
13396481	2.91	3.72	-1.75	0.171466	0.489309	AT2G23920	hypothetical protein
13481369	2.91	3.75	-1.79	0.281521	0.554731	AT4G03370	Ubiquitin family protein

13404831	2.91	3.98	-2.1	0.381365	0.596438	AT2G44260	hypothetical protein
13501784	2.91	4.11	-2.3	0.106192	0.438177	AT5G15290	UPF0497 membrane protein
13462911	2.91	4.23	-2.49	0.334347	0.576431	AT3G61678	hypothetical protein
13434660	2.91	4.29	-2.6	0.132449	0.462428	RALFL27	protein ralf-like 27
13534932	2.91	4.37	-2.74	0.251896	0.538651	PHT1;6	putative inorganic phosphate transporter 1-6
13458820	2.91	4.65	-3.35	0.040012	0.365591	G4	chlorophyll synthase
13433885	2.91	4.69	-3.43	0.293395	0.559559	AT3G27328	hypothetical protein
13345480	2.91	4.88	-3.92	0.232883	0.528712	AT1G28135	hypothetical protein
13392172	2.91	4.91	-3.99	0.298503	0.562461	AT2G07215	hypothetical protein
13453438	2.91	4.91	-4.01	0.287334	0.557153	AT3G24710	hypothetical protein
13482269	2.91	5.9	-7.96	0.008447	0.293015	AT4G08570	heavy-metal-associated domain-containing protein
13545315	2.91	5.94	-8.18	0.256469	0.540807	ArthMp068	hypothetical protein
13454630	2.9	2.1	1.75	0.041654	0.368024	AT3G27900	hypothetical protein
13530031	2.9	2.34	1.48	0.321322	0.571201	DUF 10	hypothetical protein
13423312	2.9	2.36	1.46	0.096462	0.432702	AT3G02390	hypothetical protein
13539414	2.9	2.52	1.3	0.21842	0.52078	AT5G54620	ankyrin repeat-containing protein
13543605	2.9	2.52	1.3	0.154188	0.47717	RABH1a	RAB GTPase homolog H1A
13351893	2.9	2.66	1.18	0.54035	0.692561	GLIP2	GDSL-motif lipase 2
13456314	2.9	2.68	1.16	0.69502	0.798881	SYP72	syntaxin-72
13539851	2.9	2.68	1.16	0.165818	0.486235	CRR21	pentatricopeptide repeat-containing protein
13531759	2.9	2.7	1.15	0.54557	0.696161	AT5G28310	oxidoreductase-related protein
13354520	2.9	2.73	1.13	0.62206	0.74811	AT1G62920	hypothetical protein
13461187	2.9	2.73	1.12	0.733595	0.825716	OTP84	pentatricopeptide repeat-containing protein
13506330	2.9	2.74	1.12	0.429457	0.622788	AT5G27220	Frigida-like protein
13440168	2.9	2.75	1.11	0.617185	0.744881	AT3G56330	N2,N2-dimethylguanosine tRNA methyltransferase
13375360	2.9	2.79	1.08	0.848583	0.904668	AT1G34042	hypothetical protein
13391242	2.9	2.84	1.04	0.882631	0.928499	AT2G03580	F-box-related family protein
13522005	2.9	2.83	1.04	0.605115	0.735954	AT5G04610	spermidine synthase-related / putrescine aminopropyltransferase-related protein
13544527	2.9	2.84	1.04	0.57351	0.715298	AT5G66970	signal recognition particle subunit SRP54
13475699	2.9	2.86	1.02	0.724677	0.819555	AT4G30845	hypothetical protein
13413424	2.9	2.93	-1.02	0.942629	0.965716	AT2G26840	hypothetical protein
13531643	2.9	2.94	-1.03	0.914281	0.948046	AT5G27980	Seed maturation protein
13450823	2.9	2.96	-1.04	0.957299	0.974725	AT3G18291	hypothetical protein
13461798	2.9	2.97	-1.05	0.634851	0.757217	AT3G58860	putative F-box protein
13432238	2.9	3	-1.07	0.131763	0.46184	AT3G23370	RNA recognition motif-containing protein
13531134	2.9	3.01	-1.08	0.042153	0.368598	ASD2	alpha-L-arabinofuranosidase 2
13468107	2.9	3.03	-1.09	0.224495	0.524988	CYP71A20	cytochrome P450 71A20
13356536	2.9	3.04	-1.1	0.696119	0.799725	AT1G68200	zinc finger CCCH domain-containing protein 15
13373970	2.9	3.04	-1.1	0.610188	0.739998	AT1G30016	hypothetical protein
13398270	2.9	3.04	-1.1	0.510779	0.672544	AT2G28420	lactoylglutathione lyase / glyoxalase I-like protein
13432490	2.9	3.04	-1.1	0.734264	0.82605	SCRL12	putative defensin-like protein 251
13536710	2.9	3.04	-1.1	0.728853	0.822261	CCR4	serine/threonine-protein kinase-like protein CCR4
13441349	2.9	3.1	-1.14	0.766194	0.847134	AT3G59460	hypothetical protein

13489048	2.9	3.09	-1.14	0.483073	0.653773	AT4G24710	P-loop containing nucleoside triphosphate hydrolase-like protein
13501096	2.9	3.11	-1.15	0.583994	0.723023	AT5G13600	Phototropic-responsive NPH3 family protein
13359391	2.9	3.11	-1.16	0.515568	0.675675	AT1G75300	NmrA-like negative transcriptional regulator-like protein
13350914	2.9	3.17	-1.21	0.186846	0.501232	AT1G51620	protein kinase domain-containing protein
13356831	2.9	3.22	-1.25	0.015721	0.315212	AT1G68960	hypothetical protein
13455456	2.9	3.22	-1.25	0.051479	0.382129	AT3G32905	hypothetical protein
13405532	2.9	3.25	-1.27	0.153714	0.476554	AT2G45870	Bestrophin-like protein
13472305	2.9	3.24	-1.27	0.238446	0.532151	CRK7	cysteine-rich receptor-like protein kinase 7
13496324	2.9	3.3	-1.32	0.409277	0.610961	AT5G01849	hypothetical protein
13477526	2.9	3.36	-1.37	0.450023	0.63543	AT4G34420	P-loop containing nucleoside triphosphate hydrolase family protein-like protein
13466175	2.9	3.38	-1.39	0.232068	0.528375	AT4G07740	hypothetical protein
13418344	2.9	3.4	-1.42	0.047418	0.37767	AT2G37950	RING/FYVE/PHD zinc finger-containing protein
13334260	2.9	3.44	-1.45	0.204294	0.511236	CYP703A2	cytochrome P450, family 703, subfamily A, polypeptide 2
13355586	2.9	3.43	-1.45	0.368449	0.590997	AT1G65760	hypothetical protein
13538378	2.9	3.51	-1.53	0.255008	0.540315	AT5G51650	hypothetical protein
13496832	2.9	3.55	-1.58	0.241866	0.533693	AT5G03120	hypothetical protein
13455065	2.9	3.61	-1.63	0.475527	0.649557	AT3G29152	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13402056	2.9	3.62	-1.65	0.420983	0.617772	TBL15	trichome birefringence-like 15 protein
13344717	2.9	3.71	-1.76	0.106009	0.437796	AT1G26590	C2H2-like zinc finger protein
13444103	2.9	3.74	-1.79	0.465702	0.644515	CHAT	acetyl CoA:(Z)-3-hexen-1-ol acetyltransferase
13445815	2.9	3.93	-2.03	0.222206	0.52343	AT3G06870; AT3G06868	proline-rich family protein; hypothetical protein
13406743	2.9	3.98	-2.11	0.167636	0.48688	AT2G01300	hypothetical protein
13345403	2.9	4.19	-2.45	0.112193	0.443327	PGP14	ABC transporter B family member 14
13344045	2.9	4.29	-2.62	0.293144	0.559559	AT1G24145	hypothetical protein
13338220	2.9	4.32	-2.68	0.235614	0.530114	BCAT-2	branched-chain-amino-acid aminotransferase 2
13343004	2.9	4.32	-2.69	0.324379	0.573008	PUM20	protein pumilio 20
13432045	2.9	4.38	-2.8	0.26058	0.542969	AT3G23040	hypothetical protein
13507459	2.9	4.72	-3.53	0.372494	0.592003	AT5G36001; AT5G36000	RING/U-box domain-containing protein-like protein; hypothetical protein
13348338	2.9	4.75	-3.62	0.193535	0.505856	AT1G36756	hypothetical protein
13375055	2.9	4.84	-3.85	0.262334	0.543595	AT1G32980	Subtilisin-like serine endopeptidase family protein
13384678	2.9	4.91	-4.05	0.006355	0.282486	PSBY	photosystem II protein psbY-2
13423348	2.9	5.01	-4.33	0.006069	0.280665	AT3G02480	Late embryogenesis abundant protein (LEA) family protein
13421263	2.9	5.58	-6.42	0.251704	0.538552	AT2G44581	RING/U-box domain-containing protein
13514872	2.9	6.08	-9.08	0.00753	0.290374	LHCB3; ATM2	light-harvesting chlorophyll B-binding protein 3; myosin 2
13453001	2.89	1.91	1.98	0.176902	0.49325	AT3G23880	F-box/kelch-repeat protein
13531852	2.89	2.23	1.58	0.059753	0.395167	WRKY74	putative WRKY transcription factor 74
13517276	2.89	2.31	1.5	0.048992	0.377942	AT5G60010	putative respiratory burst oxidase-H

13538484	2.89	2.4	1.4	0.064693	0.401596	AT5G51910	transcription factor TCP19
13460186	2.89	2.52	1.29	0.311977	0.567327	AT3G54925	self-incompatibility S1 family protein
13520236	2.89	2.51	1.29	0.173386	0.49082	DAR3	protein DA1-related 3
13444079	2.89	2.67	1.17	0.484412	0.654407	AT3G03400	putative calcium-binding protein CML33
13453195	2.89	2.76	1.09	0.377437	0.594036	AT3G24210	ankyrin repeat-containing protein
13378258	2.89	2.79	1.07	0.63559	0.757813	EXO70G2	exocyst complex component 7
13528967	2.89	2.81	1.06	0.278221	0.552902	AT5G20940	Glycosyl hydrolase family protein
13495641	2.89	2.84	1.04	0.862927	0.914502	AT4G39190	hypothetical protein
13343919	2.89	2.92	-1.02	0.448542	0.635002	AT1G23790	hypothetical protein
13418989	2.89	2.95	-1.04	0.781589	0.857885	AT2G39435; AT2G39430	Phosphatidylinositol N-acetyglucosaminlytransferase subunit P-like protein; Disease resistance-responsive (dirigent-like protein) family protein
13514727	2.89	2.97	-1.05	0.726942	0.821013	AT5G53895; AT5G53900	hypothetical protein; Serine/threonine-protein kinase-like protein
13421576	2.89	3.05	-1.12	0.407772	0.610439	LBD19	LOB domain-containing protein 19
13400518	2.89	3.1	-1.15	0.285083	0.556339	AT2G34210	Transcription elongation factor Spt5
13535636	2.89	3.09	-1.15	0.749944	0.836057	ZIP8	zinc transporter 8 precursor
13525170	2.89	3.15	-1.2	0.402462	0.607144	AT5G12280	SWAP (Suppressor-of-White-APricot)/surp RNA-binding domain-containing protein
13517149	2.89	3.19	-1.24	0.013161	0.305732	AT5G59680	leucine-rich repeat protein kinase-like protein
13496215	2.89	3.22	-1.26	0.062121	0.398248	AT5G01570	hypothetical protein
13350650	2.89	3.29	-1.32	0.257804	0.541251	AT1G51100	hypothetical protein
13377328	2.89	3.29	-1.32	0.273019	0.549828	AT1G49100	putative leucine-rich repeat protein kinase
13496006	2.89	3.31	-1.34	0.385576	0.598207	AT5G01060	Protein kinase protein with tetratricopeptide repeat domain
13354897	2.89	3.36	-1.39	0.18479	0.499427	AT1G63960	copper transport protein
13347601	2.89	3.37	-1.4	0.312718	0.567735	AIG1	protein AIG1
13398077	2.89	3.42	-1.44	0.432826	0.625185	AT2G28140	hypothetical protein
13371400	2.89	3.46	-1.48	0.357291	0.584844	AT1G22810	ethylene-responsive transcription factor ERF019
13509207	2.89	3.46	-1.49	0.588818	0.72663	AT5G41500	putative F-box protein
13334317	2.89	3.5	-1.53	0.385324	0.598088	PUM22	pumilio 22
13352289	2.89	3.52	-1.55	0.029369	0.348027	PGSIP4	plant glycogenin-like starch initiation protein 4
13480400	2.89	3.52	-1.55	0.024399	0.333062	AT4G01110	hypothetical protein
13418539	2.89	3.53	-1.56	0.186759	0.501044	AT2G38340	dehydration-responsive element-binding protein 2E
13341028	2.89	3.59	-1.62	0.53628	0.689889	AT1G16760	Protein kinase protein with adenine nucleotide alpha hydrolases-like domain
13456652	2.89	3.64	-1.68	0.248811	0.536581	AT3G46170	Rossmann-fold NAD(P)-binding domain-containing protein
13421392	2.89	3.74	-1.8	0.040399	0.365651	HB4	homeobox-leucine zipper protein ATHB-4
13405538	2.89	3.78	-1.85	0.275795	0.550876	ROPGEF4	RHO guanyl-nucleotide exchange factor 4
13517510	2.89	3.8	-1.88	0.411817	0.613007	AT5G60510; AT5G60520	dehydrodolichyl diphosphate synthase 8; late embryogenesis abundant protein-like protein
13508260	2.89	3.83	-1.91	0.013073	0.30516	AT5G38980	hypothetical protein
13475731	2.89	3.9	-2.01	0.242899	0.534256	AT4G30880	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein

13496465	2.89	3.9	-2.01	0.208039	0.513672	PCS1	aspartyl protease family protein
13388394	2.89	3.91	-2.04	0.046326	0.377124	AT1G77090	PsbP domain-containing protein 4
13504004	2.89	3.92	-2.04	0.169144	0.487658	AT5G20447	hypothetical protein
13490718	2.89	3.98	-2.13	0.193796	0.505856	MYB41	myb domain protein 41
13458148	2.89	4.07	-2.26	0.049115	0.378092	AT3G50150	hypothetical protein
13424882	2.89	4.18	-2.46	0.115837	0.446582	GLP8	germin-like protein subfamily 2 member 3
13488335	2.89	4.37	-2.78	0.44907	0.635204	AT4G23090	hypothetical protein
13420322	2.89	4.51	-3.09	0.011945	0.301412	BZIP34	basic helix-loop-helix domain-containing protein
13367605	2.89	4.65	-3.39	0.034531	0.355201	CYP78A5	cytochrome P450, family 78, subfamily A, polypeptide 5
13481864	2.89	4.82	-3.81	0.254274	0.539615	AT4G05071	hypothetical protein
13545625	2.89	5.16	-4.83	0.130869	0.460628	AT4G29580	cytidine/deoxycytidylate deaminase-like protein
13376286	2.89	5.22	-5.02	0.323462	0.572619	AT1G44191	ECA1 gametogenesis related family protein
13339300	2.88	2.16	1.65	0.104472	0.436696	AT1G12460	putative LRR receptor-like serine/threonine-protein kinase
13472097	2.88	2.36	1.43	0.170643	0.488769	AT4G22640	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13533112	2.88	2.42	1.38	0.446907	0.634054	AT5G37870	putative E3 ubiquitin-protein ligase SINA-like 6
13503929	2.88	2.49	1.32	0.097465	0.433188	PI	Floral homeotic protein PISTILLATA
13362067	2.88	2.52	1.29	0.041453	0.367619	PUB54	U-box domain-containing protein 54
13346838	2.88	2.65	1.18	0.341833	0.578744	AT1G31840	pentatricopeptide (PPR) repeat-containing protein
13510158	2.88	2.65	1.17	0.031837	0.352572		
13437903	2.88	2.66	1.17	0.151008	0.473698	STY1	Lateral root primordium (LRP) protein-like protein
13400158	2.88	2.75	1.09	0.153425	0.476451	AT2G33160	glycosyl hydrolase and polygalacturonase domain-containing protein
13434084	2.88	2.76	1.08	0.738089	0.828203	RPL12-C	50S ribosomal protein L12-3
13524964	2.88	2.87	1.01	0.98653	0.992293	AT5G11830	self-incompatibility S1 family protein
13471919	2.88	2.92	-1.02	0.913274	0.947446	AT4G21902	hypothetical protein
13350599	2.88	2.93	-1.03	0.845719	0.902782	AT1G50990	Protein kinase protein with tetratricopeptide repeat domain
13374139	2.88	2.94	-1.05	0.48249	0.653509	AT1G30515	hypothetical protein
13502105	2.88	3	-1.09	0.792545	0.86592	AT5G16030	hypothetical protein
13503110	2.88	3	-1.09	0.309505	0.566861	AT5G18730	hypothetical protein
13465503	2.88	3.05	-1.12	0.482311	0.653484	ISU3	protein ISCU-like 3
13356582	2.88	3.1	-1.17	0.541272	0.693091	MYB62	myb domain protein 62
13449921	2.88	3.11	-1.17	0.325576	0.57345	AT3G15740	RING/U-box domain-containing protein
13474998	2.88	3.1	-1.17	0.670061	0.781027	AT4G28930	hypothetical protein
13456373	2.88	3.16	-1.21	0.544246	0.695217	AT3G45460	IBR domain containing protein
13528916	2.88	3.16	-1.21	0.714587	0.812355		
13514897	2.88	3.17	-1.22	0.005733	0.279573	AT5G54340	C2H2 type zinc finger-related protein
13536016	2.88	3.23	-1.27	0.056488	0.389737	AT5G46000	jacalin lectin family protein
13446969	2.88	3.24	-1.29	0.314109	0.568024	AT3G09620	DEAD-box ATP-dependent RNA helicase 45
13466192	2.88	3.29	-1.33	0.471972	0.647673	AT4G07940	hypothetical protein
13531118	2.88	3.33	-1.36	0.451499	0.6361	AT5G26090	self-incompatibility S1 family protein

13384031	2.88	3.36	-1.39	0.167539	0.48688	AT1G66610	E3 ubiquitin-protein ligase SINA-like 1
13519579	2.88	3.36	-1.39	0.522934	0.681144	BST1	inositol-1,4,5 triphosphate 5-phosphatase-like protein
13386548	2.88	3.37	-1.41	0.339464	0.577996	AT1G72760	protein kinase-like protein
13493242	2.88	3.39	-1.43	0.068319	0.406403	AT4G33860	Glycosyl hydrolase family 10 protein
13411918	2.88	3.42	-1.45	0.419148	0.616693	AT2G23210	UDP-glycosyltransferase-like protein
13383587	2.88	3.48	-1.51	0.150409	0.473213	AT1G65570	pectin lyase-like protein
13412782	2.88	3.48	-1.52	0.219059	0.52121	VAMP712	vesicle-associated membrane protein 712
13388548	2.88	3.49	-1.53	0.223289	0.524399	BGAL16	beta-galactosidase 16
13360656	2.88	3.53	-1.57	0.113143	0.444281	RIP2	ROP interactive partner 2
13452109	2.88	3.54	-1.58	0.489551	0.658187	AT3G21210	zinc ion binding protein
13531352	2.88	3.55	-1.59	0.412173	0.613213	AT5G26970	hypothetical protein
13392640	2.88	3.61	-1.66	0.002889	0.253459	AT2G13150	putative bZIP transcription factor
13411442	2.88	3.95	-2.1	0.071315	0.408234	PE11	pectinesterase 11
13426291	2.88	3.98	-2.14	0.34757	0.580563	EDA31	embryo sac development arrest 31 protein
13426256	2.88	4.01	-2.18	0.283384	0.555903	IPS1	induced by phosphate starvation1
13354557	2.88	4.05	-2.24	0.473039	0.648252	AT1G62981	hypothetical protein
13535844	2.88	4.08	-2.29	0.517946	0.677364	AT5G45573	hypothetical protein
13412028	2.88	4.24	-2.56	0.018366	0.321469	MES7	methyl esterase 7
13429647	2.88	4.24	-2.56	0.138763	0.465688	CNGC19	cyclic nucleotide gated channel 19
13348538	2.88	4.34	-2.75	0.127547	0.45753	GAPB	glyceraldehyde-3-phosphate dehydrogenase B
13490075	2.88	4.67	-3.47	0.301589	0.563858	AT4G26820	hypothetical protein
13532314	2.88	5.23	-5.07	0.368285	0.590989		
13514967	2.87	2.06	1.75	0.271554	0.548926	AT5G54530	hypothetical protein
13465565	2.87	2.35	1.43	0.074882	0.410503	AT4G04260	Bromo-adjacent homology (BAH) domain-containing protein
13486327	2.87	2.47	1.32	0.23359	0.529224	NAC071	NAC domain containing protein 71
13535696	2.87	2.47	1.32	0.367247	0.590549	AT5G45180	putative flavin-containing monooxygenase 2
13419744	2.87	2.59	1.22	0.361875	0.587911	AT2G41225	hypothetical protein
13354065	2.87	2.59	1.21	0.570025	0.712624	AT1G61320	FBD-associated F-box protein
13470962	2.87	2.59	1.21	0.179295	0.494862	AT4G19850	protein PHLOEM protein 2-LIKE A2
13354776	2.87	2.67	1.14	0.03778	0.362096	AT1G63630	pentatricopeptide (PPR) repeat-containing protein
13370012	2.87	2.75	1.09	0.724109	0.81914	AT1G19390	putative wall-associated receptor kinase-like 11
13435864	2.87	2.75	1.09	0.641345	0.760875	AT3G45720	major facilitator protein
13408589	2.87	2.75	1.08	0.202766	0.510485	SCPL43	serine carboxypeptidase-like 43
13419501	2.87	2.84	1.02	0.907595	0.943707	AT2G40710	Haemolysin-III related integral membrane protein
13520522	2.87	2.85	1.01	0.896922	0.93654	AT5G67385	phototropic-responsive NPH3-like protein
13487063	2.87	2.88	-1.01	0.922801	0.953406	AT4G19870	putative F-box/kelch-repeat protein
13507428	2.87	2.88	-1.01	0.935322	0.96094	AT5G35945	hypothetical protein
13498051	2.87	2.92	-1.04	0.700629	0.803067	AT5G05630	Amino acid permease family protein
13376320	2.87	2.95	-1.06	0.73799	0.828157	AT1G44542	cyclase-like protein
13411545	2.87	2.99	-1.09	0.389941	0.599985	AT2G22040	WD40 domain-containing protein
13437908	2.87	3	-1.09	0.210021	0.515325	AT3G51070	putative methyltransferase PMT27
13476527	2.87	3	-1.1	0.852667	0.907295	AT4G32430	pentatricopeptide repeat-containing protein
13396126	2.87	3.02	-1.11	0.182108	0.497223	AT2G22950	Ca2+-transporting ATPase
13361903	2.87	3.06	-1.14	0.069714	0.406403		

13428848	2.87	3.18	-1.24	0.287101	0.557153	AT3G15870; WSIP2	putative lipid desaturase ADS3.2; Topless-related protein 4
13364151	2.87	3.2	-1.25	0.219476	0.521515	AT1G06250	alpha/beta-hydrolase-like protein
13532112	2.87	3.2	-1.26	0.447183	0.634156	AT5G35066	hypothetical protein
13479693	2.87	3.23	-1.28	0.166293	0.486355	AT4G39745	hydroxyproline-rich glycoprotein family protein
13523705	2.87	3.22	-1.28	0.392299	0.601561	ARI16	putative E3 ubiquitin-protein ligase ARI16
13472778	2.87	3.25	-1.3	0.042246	0.368598	GRF8	growth-regulating factor 8
13515874	2.87	3.25	-1.3	0.348494	0.580717	AT5G56700	FBD / Leucine Rich Repeat domains containing protein
13355024	2.87	3.28	-1.33	0.197837	0.507784	AT1G64340	hypothetical protein
13534962	2.87	3.37	-1.41	0.07538	0.410503	AT5G43410	ethylene-responsive transcription factor ERF096
13488432	2.87	3.37	-1.42	0.393122	0.60195	CRK16	putative cysteine-rich receptor-like protein kinase 16
13413920	2.87	3.42	-1.46	0.385603	0.598207	AT2G27750	Surfeit locus protein 6
13359164	2.87	3.44	-1.48	0.128723	0.458836	AT1G74620	RING/U-box domain-containing protein
13347299	2.87	3.48	-1.52	0.052087	0.382443	AT1G33020; AT1G33030	F-box and associated interaction domain-containing protein; O-methyltransferase-like protein
13427613	2.87	3.53	-1.57	0.105753	0.437428	AT3G13370	hypothetical protein
13419446	2.87	3.56	-1.61	0.504975	0.668568	AT2G40475	hypothetical protein
13381033	2.87	3.58	-1.63	0.233814	0.529356	AT1G59550	UBX domain-containing protein
13541448	2.87	3.57	-1.63	0.205928	0.512597	EXO70H7	exocyst subunit exo70 family protein H7
13389076	2.87	3.64	-1.7	0.076097	0.410503	AT1G78750	F-box/FBD/LRR-repeat protein
13384128	2.87	3.68	-1.76	0.076247	0.410503	AT1G66960	lupeol synthase 5
13471587	2.87	3.73	-1.82	0.346196	0.58045	AT4G21323	Subtilase family protein
13536614	2.87	3.73	-1.82	0.471904	0.647611	AT5G47590	Heat shock protein HSP20/alpha crystallin family protein
13486553	2.87	3.76	-1.84	0.073629	0.410046	AT4G18540	hypothetical protein
13370805	2.87	3.77	-1.86	0.458725	0.640177	AT1G21320	nucleic acid/nucleotide binding protein
13465980	2.87	3.83	-1.94	0.370082	0.591914	AT4G05250	ubiquitin family protein
13398754	2.87	3.84	-1.96	0.493709	0.660815	OTP81; AT2G29770	pentatricopeptide repeat-containing protein; F-box/LRR-repeat/kelch-repeat protein
13478376	2.87	3.85	-1.97	0.125696	0.454851	AT4G36370	hypothetical protein
13418244	2.87	3.91	-2.05	0.267077	0.546492	AT2G37610	hypothetical protein
13524962	2.87	4	-2.19	0.258111	0.541251	AT5G11820; AT5G11810	self-incompatibility S1 family protein; hypothetical protein
13496265	2.87	4.06	-2.27	0.072825	0.408418	CHX27	cation/H(+) antiporter 27
13419731	2.87	4.18	-2.48	0.04235	0.368598	AT2G41190	transmembrane amino acid transporter-like protein
13453081	2.87	4.19	-2.5	0.544419	0.695377	AT3G24065	self-incompatibility S1 family protein
13489960	2.87	4.28	-2.66	0.165422	0.485944	OPT5	oligopeptide transporter 5
13347501	2.87	4.4	-2.91	0.166167	0.486235	AT1G33600	leucine-rich repeat-containing protein
13425309	2.87	4.41	-2.91	0.308762	0.566484	LCR43	defensin-like protein 74
13520135	2.87	4.44	-2.97	0.230294	0.527515	AT5G66260	SAUR-like auxin-responsive protein
13408749	2.87	4.65	-3.42	0.357067	0.584844	AT2G14000	retrotransposon ORF-1 protein
13506417	2.87	4.68	-3.5	0.315028	0.568201	AT5G27370	hypothetical protein
13411334	2.87	4.7	-3.56	0.176795	0.4932	FBA1	fructose-bisphosphate aldolase, class I
13350086	2.87	5.47	-6.1	0.338375	0.577332		

13426790	2.87	5.47	-6.1	0.338375	0.577332		
13430480	2.87	5.47	-6.1	0.338375	0.577332		
13498107	2.87	5.47	-6.1	0.338375	0.577332		
13499959	2.87	5.47	-6.1	0.338375	0.577332		
13519760	2.87	5.47	-6.1	0.338375	0.577332		
13338612	2.87	5.79	-7.6	0.006939	0.285606	FD1	ferredoxin
13430383	2.86	2.62	1.18	0.530433	0.686612	AT3G19055	hypothetical protein
13358860	2.86	2.67	1.14	0.676765	0.78573	AT1G73770	hypothetical protein
13367756	2.86	2.7	1.12	0.214514	0.518998	AT1G14270	CAAX amino terminal motif-containing protease
13400016	2.86	2.81	1.03	0.884724	0.929606	AT2G32750	exostosin-like protein
13447814	2.86	2.93	-1.05	0.772676	0.85181	AT3G11325	acyltransferase
13417725	2.86	2.95	-1.06	0.779035	0.856165	PAB7	poly(A) binding protein 7
13452041	2.86	3.01	-1.11	0.489306	0.658044	AT3G21090	ABC transporter G family member 15
13393055	2.86	3.05	-1.15	0.707534	0.807689	ST4A	sulfotransferase 4A
13417760	2.86	3.11	-1.19	0.318387	0.569572	AT2G36700	putative pectinesterase 14
13410485	2.86	3.14	-1.22	0.290133	0.558287	PRF5	profilin 5
13434336	2.86	3.16	-1.23	0.257456	0.541251	AT3G28620	C3HC4-type RING finger domain-containing protein
13497172	2.86	3.18	-1.25	0.287315	0.557153	HB51	homeobox 51
13536730	2.86	3.21	-1.28	0.076228	0.410503	AT5G47928	hypothetical protein
13355454	2.86	3.26	-1.32	0.411479	0.612664	AGL38	MADS-box transcription factor PHERES 2
13518201	2.86	3.28	-1.34	0.406806	0.609755	AT5G62060	putative F-box protein
13459493	2.86	3.35	-1.41	0.02394	0.332017	AT3G53510	ABC transporter G family member 20
13339117	2.86	3.39	-1.45	0.398739	0.605002	AT1G12100	Bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin superfamily protein
13476136	2.86	3.48	-1.54	0.187791	0.502152	REM1	B3 domain-containing protein REM1
13468171	2.86	3.49	-1.55	0.098391	0.433275		
13367490	2.86	3.58	-1.64	0.208317	0.513968	AT1G13470	hypothetical protein
13534225	2.86	3.59	-1.66	0.487328	0.656578	AT5G41440	zinc finger (C3HC4-type RING finger) family protein
13474181	2.86	3.62	-1.69	0.248516	0.536505	AT4G27290	S-locus lectin protein kinase-like protein
13340820	2.86	3.64	-1.72	0.124434	0.453788	RSH3	protein root hair specific 3
13373305	2.86	3.72	-1.82	0.272097	0.548944	AT1G28390; NSL1	serine/threonine-protein kinase-like protein; MAC/Perforin domain-containing protein
13524805	2.86	3.73	-1.83	0.328184	0.574416	AT5G11416	hypothetical protein
13491009	2.86	3.77	-1.88	0.549286	0.699051	AT4G29200	Beta-galactosidase related protein
13518868	2.86	3.78	-1.89	0.157472	0.479979		
13488125	2.86	3.79	-1.91	0.108848	0.440715	AT4G22600	hypothetical protein
13501920	2.86	3.92	-2.09	0.037336	0.360697	AT5G15660	putative F-box protein
13453255	2.86	4.08	-2.32	0.239272	0.532475	AT3G24330	O-Glycosyl hydrolases family 17 protein
13526386	2.86	4.13	-2.42	0.337413	0.577005	AT5G15060	LOB domain-containing protein 34
13411360	2.86	4.22	-2.56	0.464339	0.643588	AT2G21430	putative cysteine proteinase A494
13339148	2.86	4.36	-2.84	0.351656	0.582656	AT1G12180	hypothetical protein
13366714	2.86	4.44	-2.99	0.30984	0.566973	AT1G11470	Pentatricopeptide repeat (PPR) superfamily protein
13372798	2.86	4.56	-3.24	0.263836	0.544886	AT1G27008	hypothetical protein
13339648	2.86	4.77	-3.76	0.286118	0.556865	NUB	C2H2 and C2HC zinc finger protein

13484275	2.86	5.24	-5.19	0.010739	0.297771	AT4G14020	Rapid alkalinization factor (RALF) family protein
13507260	2.85	2.25	1.52	0.233801	0.529356		
13515718	2.85	2.27	1.5	0.039025	0.364658	AT5G56310	pentatricopeptide repeat-containing protein
13532062	2.85	2.35	1.42	0.017467	0.319218		
13356456	2.85	2.4	1.37	0.011449	0.297771	FKF1	adagio protein 3
13545433	2.85	2.52	1.26	0.607266	0.737507		
13545441	2.85	2.52	1.26	0.607266	0.737507		
13351602	2.85	2.54	1.24	0.272123	0.548951	AT1G53330	pentatricopeptide repeat-containing protein
13361983	2.85	2.56	1.22	0.436317	0.62739	AT1G01450	protein kinase-like protein
13525890	2.85	2.56	1.22	0.097362	0.433165	AT5G14011	hypothetical protein
13431690	2.85	2.57	1.21	0.376838	0.59355	AT3G22150	pentatricopeptide repeat-containing protein
13383465	2.85	2.6	1.19	0.033077	0.354018	CYP96A3	cytochrome P450, family 96, subfamily A, polypeptide 3
13457705	2.85	2.63	1.17	0.019992	0.322692	EMB2261	pentatricopeptide repeat-containing protein
13365586	2.85	2.68	1.13	0.488924	0.657839	AT1G09245	Plant self-incompatibility protein S1 family
13411456	2.85	2.69	1.11	0.643009	0.761955	AT2G21690	RNA recognition motif-containing protein
13516308	2.85	2.72	1.09	0.31086	0.566973	AT5G57760	hypothetical protein
13422167	2.85	2.73	1.08	0.628987	0.752862	DUF4	hypothetical protein
13379556	2.85	2.8	1.03	0.915299	0.948861	XIE	Myosin family protein with Dil domain
13336562	2.85	2.87	-1.01	0.880559	0.926961	AT1G06420	hypothetical protein
13394723	2.85	2.88	-1.02	0.738686	0.828482	PLA2-BETA	phospholipase A2-beta
13345840	2.85	2.92	-1.05	0.799421	0.870933	AT1G29480	hypothetical protein
13440894	2.85	2.92	-1.06	0.805874	0.875396	AT3G58450	universal stress protein (USP) family protein
13414727	2.85	2.99	-1.1	0.004464	0.262292	AT2G30032	hypothetical protein
13471044	2.85	3.01	-1.11	0.567904	0.711172	AT4G20080	calcium-dependent lipid-binding domain-containing plant phosphoribosyltransferase-like protein
13528343	2.85	3.01	-1.12	0.486207	0.65581	GNL2	protein GNOM-like 2
13534972	2.85	3.03	-1.13	0.516186	0.676094	AT5G43450	putative 2-oxoglutarate-dependent dioxygenase
13462708	2.85	3.04	-1.14	0.719422	0.815839	AT3G61111	ribosomal protein S27-2
13534219	2.85	3.03	-1.14	0.568867	0.711688	AT5G41401	hypothetical protein
13476906	2.85	3.06	-1.16	0.707702	0.807812	AT4G32990	transducin/WD40 domain-containing protein
13360661	2.85	3.08	-1.17	0.3645	0.589408	AT1G78470	hypothetical protein
13490059	2.85	3.07	-1.17	0.653624	0.770191	AT4G26790	GDSL esterase/lipase
13456648	2.85	3.09	-1.18	0.728298	0.821926	AT3G46150	hypothetical protein
13488438	2.85	3.17	-1.25	0.025644	0.33601	EMB1290	cysteine-rich receptor-like protein kinase 17
13445073	2.85	3.17	-1.25	0.18251	0.497424	RLP33	receptor like protein 33
13429153	2.85	3.19	-1.26	0.607076	0.737449	AT3G16432	hypothetical protein
13402643	2.85	3.19	-1.27	0.474394	0.648847	AT2G39030	acyl-CoA N-acyltransferases-like protein
13486197	2.85	3.2	-1.28	0.043682	0.372891	AT4G17680	SBP (S-ribonuclease binding protein) family protein
13461423	2.85	3.35	-1.42	0.440326	0.629859	AT3G58080	hypothetical protein
13452635	2.85	3.41	-1.47	0.356671	0.584728	AT3G22580	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13488609	2.85	3.43	-1.49	0.559066	0.705327	AT4G23520	putative cysteine proteinase
13412483	2.85	3.45	-1.52	0.122364	0.452662	AT2G24680; AT2G24670	B3 domain-containing protein REM12; hypothetical protein
13474665	2.85	3.47	-1.53	0.354165	0.584238	AT4G28420	Tyrosine transaminase family protein

13488387	2.85	3.53	-1.59	0.048653	0.377894		
13527299	2.85	3.53	-1.6	0.228733	0.526483	PSY	phytoene synthase
13509517	2.85	3.57	-1.65	0.030972	0.351017	scpl41	serine carboxypeptidase-like 41
13361417	2.85	3.58	-1.66	0.322885	0.572094	AT1G80140	pectin lyase-like protein
13353009	2.85	3.72	-1.82	0.015942	0.315398	AT1G56660	hypothetical protein
13342950	2.85	3.72	-1.83	0.342175	0.578887	AT1G21395	hypothetical protein
13509028	2.85	3.72	-1.83	0.072498	0.408352	DRB5	dsRNA-binding protein 5
13433444	2.85	3.77	-1.89	0.4002	0.60596	AT3G26110	Anther-specific agp1-like protein
13434478	2.85	3.8	-1.93	0.397697	0.60452	AT3G28958	plastocyanin-like domain-containing protein
13378927	2.85	3.8	-1.94	0.311751	0.567081	AT1G53100	Core-2/I-branching beta-1,6-N-acetylglucosaminyltransferase-like protein
13424055	2.85	3.85	-2	0.192975	0.505638	AT3G04140	ankyrin repeat-containing protein
13358981	2.85	3.89	-2.05	0.284639	0.55631	TET17	tetraspanin 17
13356670	2.85	3.98	-2.18	0.181837	0.496969	AT1G68630	PLAC8 family protein
13463537	2.85	4.02	-2.24	0.229036	0.52681	CSP41A; RANGAP1	chloroplast stem-loop binding protein-41; RAN GTPase-activating protein 1
13426478	2.85	4.05	-2.29	0.006139	0.280665	SCPL7	serine carboxypeptidase-like 7
13450650	2.85	4.06	-2.31	0.346988	0.58045	AT3G17680	Kinase interacting (KIP1-like) family protein
13414602	2.85	4.27	-2.68	0.076241	0.410503	AT2G29620	hypothetical protein
13409451	2.85	4.8	-3.88	0.346249	0.58045	AT2G16881	hypothetical protein
13533195	2.84	2.22	1.54	0.042542	0.369484	AT5G38240	Protein kinase family protein
13413649	2.84	2.29	1.47	0.1046	0.437012	AT2G27160; AAO3	hypothetical protein; abscisic-aldehyde oxidase
13358361	2.84	2.48	1.28	0.418507	0.616426	AT1G72590	3-oxo-5-alpha-steroid 4-dehydrogenase 3
13346762	2.84	2.81	1.03	0.808039	0.876937	AT1G31620	hypothetical protein
13458750	2.84	2.88	-1.03	0.878799	0.925729	AT3G51644	hypothetical protein
13432545	2.84	2.89	-1.04	0.829404	0.891605	AT3G23840	HXXXD-type acyl-transferase-like protein
13517954	2.84	2.91	-1.05	0.544044	0.694991	AT5G61570	protein kinase-like protein
13397067	2.84	2.92	-1.06	0.598824	0.731685	SPIK	Shaker pollen inward K+ channel protein
13447398	2.84	2.96	-1.09	0.69896	0.801792	AT3G10430	putative F-box protein
13338554	2.84	3.05	-1.15	0.303207	0.564046	AT1G10745	maternally expressed family protein
13375477	2.84	3.07	-1.17	0.74467	0.832254	AT1G34419	hypothetical protein
13416979	2.84	3.08	-1.18	0.55294	0.701557	AT2G34890	pyrG CTP synthase
13513785	2.84	3.11	-1.2	0.22546	0.524988	AT5G51850	hypothetical protein
13366119	2.84	3.13	-1.22	0.134263	0.463251	GSTU18	glutathione S-transferase TAU 18
13466487	2.84	3.13	-1.22	0.612208	0.74141	AT4G08895	inorganic phosphate transporter family protein
13417808	2.84	3.15	-1.24	0.698603	0.801619	DOGT1	cytokinin-O-glucosyltransferase 3
13430599	2.84	3.17	-1.26	0.170111	0.48812	AT3G19480	D-3-phosphoglycerate dehydrogenase
13462306	2.84	3.17	-1.26	0.631589	0.754645	SK13	S-phase kinase-associated protein 1
13343319	2.84	3.18	-1.27	0.083396	0.417856	PUM8	protein pumilio 8
13434731	2.84	3.19	-1.28	0.092048	0.429607	AT3G30320	hypothetical protein
13405081	2.84	3.2	-1.29	0.526325	0.683568	AT2G44800	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase-like protein
13361913	2.84	3.23	-1.31	0.171053	0.489034	AT1G01250	ethylene-responsive transcription factor ERF023
13532955	2.84	3.24	-1.32	0.061642	0.398106	AT5G37460	hypothetical protein
13470167	2.84	3.25	-1.33	0.12919	0.459395	ALMT12	aluminum-activated, malate transporter 12
13398677	2.84	3.31	-1.38	0.375665	0.593207	AT2G29600	F-box/kelch-repeat protein

13488487	2.84	3.31	-1.38	0.447918	0.634642	AT4G23340	oxidoreductase, 2OG-Fe(II) oxygenase family protein
13545581	2.84	3.45	-1.53	0.476018	0.649833	ESM1	epithiospecifier modifier 1
13443077	2.84	3.53	-1.62	0.298228	0.562461	MYB106	myb domain protein 106
13541014	2.84	3.55	-1.63	0.097612	0.433275	AT5G58680	armadillo/beta-catenin-like repeat-containing protein
13506900	2.84	3.56	-1.64	0.075356	0.410503	AT5G28500	hypothetical protein
13398266	2.84	3.57	-1.66	0.504437	0.66833	AT2G28410	hypothetical protein
13521514	2.84	3.57	-1.66	0.058377	0.393329	AT5G03400	hypothetical protein
13352896	2.84	3.6	-1.69	0.417683	0.616073	AT1G56418	hypothetical protein
13513755	2.84	3.67	-1.79	0.109065	0.440715	AT5G51800	protein kinase family protein
13455127	2.84	3.69	-1.81	0.008799	0.293015	AT3G29260	Rossmann-fold NAD(P)-binding domain-containing protein
13360235	2.84	3.72	-1.85	0.030591	0.350098	TAPX	L-ascorbate peroxidase
13346338	2.84	3.73	-1.85	0.356079	0.584705	AT1G30473	heavy-metal-associated domain-containing protein
13387276	2.84	3.75	-1.87	0.166653	0.48681	AT1G74448	hypothetical protein
13512475	2.84	3.85	-2.02	0.413373	0.613726	AT5G49050	hypothetical protein
13456378	2.84	3.96	-2.17	0.069822	0.406403	AT3G45470	IBR domain containing protein
13344495	2.84	3.97	-2.2	0.179936	0.495546	AT1G25422	hypothetical protein
13345484	2.84	4	-2.24	0.327725	0.574416	AT1G28160	ethylene-responsive transcription factor ERF087
13495482	2.84	4.15	-2.5	0.430898	0.623682	AT4G38870	putative F-box protein
13509999	2.84	4.39	-2.93	0.014801	0.313095	PHT1;2	putative inorganic phosphate transporter 1-2
13466739	2.84	4.41	-2.97	0.042674	0.369737	AT4G09500	glycosyltransferase family protein
13419681	2.84	4.92	-4.21	0.204385	0.511349	AT2G40990	DHHC-type zinc finger-containing protein
13341993	2.84	7.99	-35.6	0.001512	0.249401	ICS2	Isochorismate synthase 2
13438628	2.83	2.42	1.33	0.358361	0.585818	AT3G52680	F-box/RNI-like/FBD-like domain-containing protein
13360990	2.83	2.63	1.15	0.136691	0.465316	AT1G79220	Mitochondrial transcription termination factor family protein
13455109	2.83	2.63	1.15	0.550647	0.700109	AT3G29195	hypothetical protein
13404591	2.83	2.68	1.11	0.819942	0.884827	AT2G43670	carbohydrate-binding X8 domain-containing protein
13410983	2.83	2.69	1.1	0.629233	0.75303	AT2G20613	DNA-binding storekeeper protein-related transcriptional regulator
13435764	2.83	2.73	1.07	0.676729	0.78573	AT3G45285	ECA1 gametogenesis related family protein
13375792	2.83	2.84	-1.01	0.957976	0.975066	AT1G36020	hypothetical protein
13421371	2.83	2.9	-1.05	0.762599	0.844368	CYP704A1	cytochrome P450, family 704, subfamily A, polypeptide 1
13395137	2.83	2.92	-1.06	0.342781	0.579024	RALFL14	protein ralf-like 14
13362400	2.83	2.95	-1.09	0.186284	0.50057	AT1G02540	hypothetical protein
13488032	2.83	2.96	-1.09	0.779425	0.856496	AT4G22370; AT4G22360	hypothetical protein; SWIB complex BAF60b domain-containing protein
13489416	2.83	2.98	-1.11	0.57533	0.716524	GA20OX1	gibberellin 20 oxidase 1
13481507	2.83	2.99	-1.12	0.258939	0.541654	AT4G03620	myosin heavy chain-like protein
13532680	2.83	2.99	-1.12	0.378367	0.594453	AT5G36710; AT5G36800	hypothetical protein
13532727	2.83	2.99	-1.12	0.378367	0.594453	AT5G36710; AT5G36800	hypothetical protein

13398938	2.83	3.01	-1.13	0.716155	0.813619	OFP2	ovate family protein 2
13507396	2.83	3	-1.13	0.669511	0.780705	AT5G35760	Beta-galactosidase related protein
13376596	2.83	3.04	-1.16	0.480498	0.65238	AT1G47370	Toll-Interleukin-Resistance domain-containing protein
13403564	2.83	3.06	-1.17	0.305533	0.565001	AT2G41090	calmodulin-like protein 10
13435507	2.83	3.06	-1.17	0.545157	0.695884	AT3G44630	TIR-NBS-LRR class disease resistance protein
13336244	2.83	3.17	-1.27	0.207158	0.513526	DGL	galactolipase DONGLE
13370377	2.83	3.19	-1.28	0.055172	0.387216	AT1G20240	SWI-SNF-related chromatin binding protein
13463525	2.83	3.22	-1.3	0.287035	0.557153	EDL3	EID1-like F-box protein 3
13538087	2.83	3.31	-1.39	0.324102	0.572935	AT5G50915	transcription factor bHLH137
13351065	2.83	3.32	-1.4	0.531667	0.687258	AT1G51990	O-methyltransferase-like 2 protein
13499615	2.83	3.4	-1.49	0.009362	0.296261	AT5G09560	RNA-binding KH domain-containing protein
13432617	2.83	3.43	-1.52	0.165074	0.485944	AT3G23960	putative F-box protein
13528584	2.83	3.51	-1.6	0.441251	0.630118	AT5G20220	CCHC-type zinc knuckle protein
13456039	2.83	3.54	-1.64	0.138346	0.46568	AT3G44450	hypothetical protein
13539683	2.83	3.54	-1.64	0.113736	0.444631	AT5G55330	putative long-chain-alcohol O-fatty-acyltransferase 6
13490702	2.83	3.57	-1.67	0.060524	0.396597	AT4G28088	Low temperature and salt responsive protein
13481166	2.83	3.65	-1.76	0.160689	0.483101	AT4G02871	hypothetical protein
13359089	2.83	3.67	-1.8	0.437572	0.628152	AT1G74300	esterase/lipase/thioesterase family protein
13512402	2.83	3.68	-1.81	0.176109	0.492524	AT5G48950	thioesterase family protein
13508852	2.83	3.73	-1.86	0.084713	0.418724	AT5G40680	kelch repeat-containing protein
13406417	2.83	3.75	-1.89	0.157979	0.480485	AT2G47780	Rubber elongation factor protein (REF)
13398275	2.83	3.77	-1.91	0.484456	0.654436	AT2G28460	Cysteine/Histidine-rich C1 domain family protein
13428498	2.83	3.84	-2.02	0.476066	0.649833	CUC1	protein CUP-SHAPED COTYLEDON 1
13402436	2.83	3.89	-2.08	0.17149	0.489309	AT2G38600	HAD superfamily, subfamily IIIB acid phosphatase
13509659	2.83	3.98	-2.21	0.452893	0.63684	AT5G42504	hypothetical protein
13334953	2.83	4.05	-2.33	0.260384	0.542969	AT1G02650	DNAJ heat shock N-terminal domain-containing protein
13481996	2.83	4.12	-2.45	0.191182	0.504398	AT4G05620	putative F-box protein
13529375	2.83	4.21	-2.6	0.316969	0.568591	AT5G22390	hypothetical protein
13507106	2.83	4.26	-2.7	0.330106	0.575506	AT5G33806	hypothetical protein
13455796	2.83	5.12	-4.89	0.253848	0.539549	AT3G43583	hypothetical protein
13390011	2.83	6.1	-9.64	0.066102	0.403288	GA3OX2	gibberellin 3-beta-dioxygenase 2
13379930	2.83	6.38	-11.73	0.280859	0.554531	AT1G55615	hypothetical protein
13343847	2.82	2.23	1.51	0.469001	0.64614	AT1G23465	peptidase-S24/S26 domain-containing protein
13382163	2.82	2.39	1.35	0.173434	0.49082	AT1G62085	Mitochondrial transcription termination factor family protein
13399464	2.82	2.44	1.3	0.242595	0.534214	ARI11	putative E3 ubiquitin-protein ligase ARI11
13352888	2.82	2.47	1.28	0.577329	0.717663	ERD2	heat shock protein-70 cognate protein
13497722	2.82	2.62	1.15	0.075598	0.410503	AT5G05050	peptidase C1A papain family protein
13408273	2.82	2.67	1.11	0.664052	0.776904	HA6	H(+)-ATPase 6
13378844	2.82	2.7	1.09	0.736989	0.827712	AT1G52857	hypothetical protein
13506365	2.82	2.79	1.02	0.867381	0.917488	AT5G27300	pentatricopeptide (PPR) repeat-containing protein
13348246	2.82	2.8	1.01	0.95135	0.971037	ACC2	acetyl-CoA carboxylase 2

13394055	2.82	2.81	1.01	0.953805	0.972519	AT2G18070	hypothetical protein
13423781	2.82	2.83	-1.01	0.978274	0.987189	AT3G03510	phototropic-responsive NPH3-like protein
13456170	2.82	2.84	-1.01	0.952887	0.972048	CHX11	cation/H(+) antiporter 11
13399063	2.82	2.84	-1.02	0.946563	0.968004	AT2G30820; AT2G30830	hypothetical protein; 2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase-like protein
13412046	2.82	2.84	-1.02	0.962272	0.977803	MES8	methyl esterase 8
13503248	2.82	2.86	-1.02	0.864336	0.915407	AT5G18990	putative pectinesterase 55
13340541	2.82	2.87	-1.04	0.711275	0.809943	AT1G15840	hypothetical protein
13529693	2.82	2.91	-1.06	0.580324	0.72022	CHX9	cation/H(+) antiporter 9
13446826	2.82	2.92	-1.07	0.859969	0.912674	AT3G09280	hypothetical protein
13442402	2.82	2.94	-1.09	0.754615	0.839454	AT3G61700	hypothetical protein
13533428	2.82	3.03	-1.15	0.368347	0.590997	AT5G38920	RNase H domain-containing protein
13437070	2.82	3.07	-1.19	0.609758	0.739641	XTH11	xyloglucan:xyloglucosyl transferase
13503895	2.82	3.07	-1.19	0.275614	0.550785	AT5G20181	hypothetical protein
13505962	2.82	3.08	-1.19	0.49231	0.659808	UGT72E3	coniferyl-alcohol glucosyltransferase
13507009	2.82	3.13	-1.24	0.390489	0.600266	AT5G29050	hypothetical protein
13505828	2.82	3.15	-1.26	0.109884	0.441206	TGG2	myrosinase 2
13357617	2.82	3.16	-1.27	0.120704	0.452174	AT1G70820	phosphoglucomutase-like protein
13414255	2.82	3.17	-1.27	0.172517	0.489773	KCS12	3-ketoacyl-CoA synthase 12
13392070	2.82	3.22	-1.33	0.434661	0.62623	AT2G06420	hypothetical protein
13543845	2.82	3.25	-1.34	0.379377	0.595058	AT5G65550	UDP-glucoronosyl/UDP-glucosyl transferase family protein
13367510	2.82	3.27	-1.37	0.129748	0.459766	AT1G13510	hypothetical protein
13364669	2.82	3.29	-1.38	0.04461	0.374597	AT1G07440	tropinone reductase-like protein
13415956	2.82	3.29	-1.38	0.091638	0.428831	AT2G32645; PTAC18; AT2G32650	hypothetical protein; plastid transcriptionally active 18; RmlC-like cupin-like protein
13403939	2.82	3.32	-1.41	0.092874	0.42976	AT2G41910	protein kinase-like protein
13437872	2.82	3.32	-1.42	0.056157	0.388747	XERO1	dehydrin xero 1
13482018	2.82	3.36	-1.46	0.107593	0.439584	AT4G06639	hypothetical protein
13336006	2.82	3.46	-1.56	0.083756	0.417946	AT1G05136	hypothetical protein
13473509	2.82	3.54	-1.64	0.070046	0.406528	AT4G25780	putative pathogenesis-related protein
13541501	2.82	3.54	-1.64	0.194958	0.505993	SBT5.4	Subtilase family protein
13519653	2.82	3.6	-1.72	0.482101	0.653323	AT5G65274	ARP2/3 complex 16 kDa subunit (p16-Arc)
13344307	2.82	3.7	-1.84	0.093629	0.430403	AT1G24735	caffeoyl-CoA O-methyltransferase
13532204	2.82	3.77	-1.92	0.308457	0.566439	AT5G35380	Protein kinase protein with adenine nucleotide alpha hydrolases-like domain
13434773	2.82	3.82	-2	0.174661	0.491793	bZIP42	basic leucine-zipper 42
13437838	2.82	3.82	-2	0.39017	0.600034	HB28	homeobox protein 28
13371684	2.82	3.9	-2.12	0.068912	0.406403	IGI1	protein kinase domain-containing protein
13361258	2.82	3.92	-2.14	0.020744	0.324125	AT1G79910	Regulator of Vps4 activity in the MVB pathway protein
13462126	2.82	4.03	-2.32	0.020695	0.324125	AT3G59730	concanavalin A-like lectin kinase-like protein
13358624	2.82	4.07	-2.38	0.010817	0.297771	01-Oct	organic cation/carnitine transporter1
13499661	2.82	4.14	-2.49	0.457885	0.639713	PUM21	pumilio 21
13507102	2.82	4.33	-2.85	0.206006	0.512701	AT5G33390	glycine-rich protein
13463790	2.82	5.12	-4.94	0.162972	0.484829	AT3G63540	Mog1/PsbP/DUF1795-like photosystem II reaction center PsbP family protein
13416009	2.82	5.93	-8.66	0.051623	0.382313	PHT1;5	putative inorganic phosphate transporter 1-5
13541430	2.81	2.55	1.2	0.076302	0.410663	AT5G59600	pentatricopeptide repeat-containing protein

13534046	2.81	2.58	1.18	0.0107	0.297744	AT5G40847	hypothetical protein
13367140	2.81	2.58	1.17	0.365978	0.590066	AT1G12700	helicase domain and pentatricopeptide repeat-containing protein
13451739	2.81	2.6	1.16	0.196297	0.507185	AT3G20395	RING-finger domain-containing protein
13427535	2.81	2.64	1.13	0.50424	0.668275	AT3G13227	serine-rich protein-like protein
13393607	2.81	2.7	1.08	0.733699	0.82574	AT2G17043	hypothetical protein
13361391	2.81	2.76	1.04	0.821502	0.885774	AT1G80090	cystathionine beta-synthase domain-containing protein
13355780	2.81	2.79	1.02	0.973876	0.984833	MYB90	transcription factor MYB90
13517979	2.81	2.79	1.02	0.768712	0.849065	AT5G61620	myb-like transcription factor family protein
13346595	2.81	2.82	-1.01	0.983087	0.990014	AT1G31090	F-box domain-containing protein
13350314	2.81	2.87	-1.04	0.732437	0.825196	STP9	sugar transporter 9
13358777	2.81	2.88	-1.05	0.818818	0.88411	AT1G73610	GDSL esterase/lipase
13417205	2.81	2.9	-1.06	0.875388	0.922985	AT2G35390	ribose-phosphate pyrophosphokinase 1
13519928	2.81	2.9	-1.06	0.791298	0.865014	ACR1	ACT domain repeat 1
13340024	2.81	2.92	-1.08	0.612821	0.741815	AT1G14345	NAD(P)-linked oxidoreductase-like protein
13409084	2.81	2.94	-1.09	0.425333	0.620428	AT2G15780	Plastocyanin-like domain-containing protein
13510666	2.81	2.93	-1.09	0.726864	0.820989	AT5G44940	putative F-box protein
13449440	2.81	2.95	-1.1	0.249058	0.536662	WAG2	protein kinase WAG2
13516003	2.81	2.95	-1.1	0.484602	0.654458	LUT2	lycopene epsilon cyclase
13335763	2.81	2.99	-1.13	0.089865	0.427018	RIC3	ROP-interactive CRIB motif-containing protein 3
13492079	2.81	2.99	-1.14	0.613828	0.742553	AT4G31690	B3 domain-containing protein REM9
13455953	2.81	3.02	-1.15	0.681068	0.788594	CYP71B38	cytochrome P450 71B38
13531421	2.81	3.01	-1.15	0.652269	0.769305	AT5G27110	pentatricopeptide repeat-containing protein
13533279	2.81	3.01	-1.15	0.484316	0.654407	AT5G38510	rhomboid-related intramembrane serine protease-like protein
13466291	2.81	3.03	-1.16	0.141755	0.46809	AT4G08300	nodulin MtN21 /EamA-like transporter family protein
13495690	2.81	3.02	-1.16	0.198416	0.508119	AT4G39290	putative F-box/kelch-repeat protein
13472344	2.81	3.07	-1.19	0.615791	0.743948	CRK20	putative cysteine-rich receptor-like protein kinase 20
13371250	2.81	3.09	-1.21	0.293037	0.559559	UGT85A5	UDP-glucosyl transferase 85A5
13430937	2.81	3.08	-1.21	0.141004	0.4675	AT3G20200	Protein kinase protein with adenine nucleotide alpha hydrolases-like domain
13515812	2.81	3.09	-1.21	0.379605	0.595285	AT5G56560	FBD, F-box and leucine rich repeat domain-containing protein
13421765	2.81	3.09	-1.22	0.521998	0.680358		
13418987	2.81	3.12	-1.24	0.336793	0.577005	AT2G39415	putative F-box protein
13335815	2.81	3.14	-1.25	0.385925	0.598511	AT1G04560	AWPM-19-like family protein
13371888	2.81	3.17	-1.28	0.405027	0.609014	AT1G24000	polyketide cyclase/dehydrase and lipid transport-like protein
13470884	2.81	3.18	-1.29	0.057691	0.39275	AT4G19590	chaperone DnaJ-domain containing protein
13506335	2.81	3.17	-1.29	0.347825	0.58065	AT5G27230	Frigida-like protein
13388081	2.81	3.19	-1.3	0.232094	0.528375	AT1G76370	putative protein kinase
13490336	2.81	3.2	-1.31	0.274919	0.550583	VIIIB	myosin heavy chain-like protein
13379757	2.81	3.22	-1.34	0.043097	0.370922	AT1G55290	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase-like protein
13349121	2.81	3.24	-1.34	0.379338	0.595029	AT1G47265	hypothetical protein

13428736	2.81	3.35	-1.45	0.10534	0.43719	AT3G15605; AT3G15604	nucleic acid binding protein; hypothetical protein
13398928	2.81	3.5	-1.61	0.568245	0.711281	AT2G30310	GDSL esterase/lipase
13473501	2.81	3.51	-1.62	0.019026	0.321499		
13455778	2.81	3.53	-1.65	0.14382	0.469269	AT3G43432	hypothetical protein
13399357	2.81	3.63	-1.76	0.078566	0.414078	AT2G31425	enzyme inhibitor/ pectinesterase
13445875	2.81	3.71	-1.86	0.365214	0.589672	AT3G06970	RNA recognition motif-containing protein
13415501	2.81	3.76	-1.93	0.121648	0.452564	AT2G31590	hypothetical protein
13414881	2.81	3.78	-1.96	0.236318	0.530525	CHAL	allergen-related protein
13348377	2.81	3.95	-2.2	0.433487	0.625365		
13489688	2.81	3.95	-2.2	0.381885	0.59674	AT4G26005	hypothetical protein
13397006	2.81	3.98	-2.25	0.358932	0.585914	RLP21	receptor like protein 21
13412368	2.81	4.11	-2.46	0.07956	0.414219	AT2G24410	hypothetical protein
13533751	2.81	4.11	-2.47	0.409552	0.611099	AT5G40150	peroxidase 63
13502490	2.81	4.13	-2.5	0.288995	0.557782	AT5G16920	Fasciclin-like arabinogalactan family protein
13354401	2.81	4.14	-2.51	0.133032	0.462568	FMO GS-OX3	flavin-containing monooxygenase FMO GS-OX3
13465459	2.81	4.19	-2.6	0.076761	0.411511	AT4G03950	Nucleotide/sugar transporter family protein
13518662	2.81	4.2	-2.63	0.416696	0.615622	AT5G63085	Plant thionin family protein
13524672	2.81	4.2	-2.63	0.175589	0.492334	AT5G11027	hypothetical protein
13457547	2.81	4.33	-2.87	0.20305	0.510604	CXE13	carboxyesterase 13
13439813	2.81	4.34	-2.88	0.232034	0.528375	AT3G55566	hypothetical protein
13454721	2.81	4.64	-3.55	0.393396	0.602176	AT3G28280	hypothetical protein
13366541	2.81	4.65	-3.58	0.260932	0.542969		
13378665	2.81	4.65	-3.58	0.260932	0.542969		
13381734	2.81	4.65	-3.58	0.260932	0.542969		
13417017	2.81	4.94	-4.39	0.098954	0.433702	AT2G34930	disease resistance-like protein/LRR domain-containing protein
13363845	2.81	5.18	-5.14	0.041524	0.367814	UGT75B2	indole-3-acetate beta-glucosyltransferase 2
13347189	2.81	5.32	-5.68	0.143201	0.469019	AT1G32720	Cytochrome C oxidase polypeptide VIB family protein
13474237	2.81	5.64	-7.1	0.002519	0.253459	PORB	protochlorophyllide reductase B
13402155	2.81	6.1	-9.79	0.016135	0.315398	SOUL-1	SOUL heme-binding-like protein
13545575	2.8	2.08	1.64	0.316464	0.568481		
13519258	2.8	2.39	1.33	0.336353	0.576994	AT5G64480	hypothetical protein
13345047	2.8	2.44	1.28	0.284979	0.556338	AT1G27250	paired amphipathic helix repeat-containing protein
13380053	2.8	2.44	1.28	0.313542	0.568024	AT1G55790	hypothetical protein
13509585	2.8	2.64	1.12	0.768703	0.849065	AT5G42350	F-box/kelch-repeat protein
13357193	2.8	2.68	1.09	0.59717	0.731118	AT1G69828	putative defensin-like protein 36
13416700	2.8	2.69	1.08	0.883956	0.929209	CIPK13	CBL-interacting serine/threonine-protein kinase 13
13460743	2.8	2.7	1.07	0.655039	0.771192	AT3G56350	Iron/manganese superoxide dismutase family protein
13403712	2.8	2.74	1.04	0.870643	0.919611	AT2G41360	galactose oxidase/kelch repeat-containing protein
13409398	2.8	2.74	1.04	0.588155	0.726188	BGAL13	beta-galactosidase 13
13464364	2.8	2.76	1.02	0.721538	0.817397	AT4G01360	hypothetical protein
13515558	2.8	2.78	1.01	0.751438	0.837161	AT5G55980	serine-rich protein-like protein
13462929	2.8	2.83	-1.02	0.863382	0.914754	AT3G61723	PHD finger protein

13471623	2.8	2.86	-1.04	0.913247	0.947446	AT4G21366	protein kinase family protein
13478108	2.8	2.88	-1.06	0.554351	0.702474	AT4G35700	zinc finger (C2H2 type) family protein
13374515	2.8	2.89	-1.07	0.709964	0.809275	AT1G31490	HXXXD-type acyl-transferase-like protein
13393061	2.8	2.9	-1.07	0.840469	0.899506	AT2G15010	putative thionin-2.3
13394820	2.8	2.91	-1.08	0.809469	0.877977	AT2G19893	putative defensin-like protein 12
13423823	2.8	2.94	-1.1	0.614172	0.742708	AT3G03680	C2 and plant phosphoribosyltransferase domain-containing protein
13412812	2.8	2.95	-1.11	0.141887	0.468094	CESA10	putative cellulose synthase A catalytic subunit 10 [UDP-forming]
13422448	2.8	2.95	-1.11	0.504231	0.668275	AT2G47570	large subunit ribosomal protein L18e
13449806	2.8	2.99	-1.14	0.332236	0.576298	AT3G15520; AT3G15518	peptidyl-prolyl cis-trans isomerase CYP37; hypothetical protein
13468531	2.8	2.99	-1.15	0.439396	0.62933	NF-YB3	nuclear transcription factor Y subunit B-3
13453567	2.8	3.01	-1.16	0.261733	0.543595	RALFL26	protein ralf-like 26
13343851	2.8	3.05	-1.18	0.642278	0.761474	CSLA03	putative mannan synthase 3
13543367	2.8	3.05	-1.19	0.26962	0.547986	AT5G64401	hypothetical protein
13348588	2.8	3.14	-1.27	0.364726	0.589444	AT1G43040	putative auxin-responsive protein
13385610	2.8	3.14	-1.27	0.490457	0.658717	AT1G70130	concanavalin A-like lectin protein kinase
13424629	2.8	3.14	-1.27	0.151334	0.473698	AT3G05425	hypothetical protein
13479854	2.8	3.17	-1.29	0.397119	0.604224	BRCA2(IV)	breast cancer protein 2 like 2A
13471812	2.8	3.18	-1.3	0.005898	0.279573	AT4G21745	PAK-box/P21-Rho-binding family protein
13440665	2.8	3.17	-1.3	0.420479	0.617454	AT3G57680	Peptidase S41 family protein
13410998	2.8	3.21	-1.33	0.143901	0.469307	AT2G20625	hypothetical protein
13439861	2.8	3.24	-1.35	0.04339	0.371987	DFD	DHFS-FPGS homolog D
13404769	2.8	3.25	-1.37	0.1743	0.491389	EDE1	hypothetical protein
13504211	2.8	3.27	-1.39	0.164905	0.485944	AGO9	Argonaute family protein
13447731	2.8	3.28	-1.4	0.111122	0.442613	AT3G11160	hypothetical protein
13452678	2.8	3.29	-1.4	0.329511	0.574959	AT3G22730	putative F-box/kelch-repeat protein
13467182	2.8	3.3	-1.41	0.214603	0.519127	AT4G10660	CDC68-related protein
13522169	2.8	3.36	-1.47	0.430235	0.623122	AT5G05020	Pollen Ole e 1 allergen and extensin family protein
13496808	2.8	3.37	-1.48	0.188698	0.502829	AT5G03000	putative F-box/kelch-repeat protein
13477911	2.8	3.37	-1.49	0.058015	0.392874	AT4G35370	transducin/WD40 domain-containing protein
13529086	2.8	3.37	-1.49	0.133825	0.463251	AT5G21125	hypothetical protein
13360791	2.8	3.39	-1.5	0.228226	0.526027	TBL42	trichome birefringence-like 42
13372682	2.8	3.39	-1.5	0.392524	0.601642	AT1G26540	agenet domain-containing protein
13436223	2.8	3.39	-1.5	0.143146	0.469019	AT3G46760	protein kinase family protein
13500704	2.8	3.41	-1.52	0.045018	0.374597	CLE22	protein CLAVATA3/ESR-related 22
13354772	2.8	3.44	-1.55	0.307464	0.565925	AT1G63590	putative cysteine-rich repeat secretory protein 5
13539031	2.8	3.47	-1.58	0.154714	0.477786	AT5G53390	O-acyltransferase (WSD1-like) family protein
13541313	2.8	3.45	-1.58	0.182687	0.497479	AT5G59240	40S ribosomal protein S8-2
13335155	2.8	3.48	-1.61	0.461998	0.642617	AT1G03103	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13456166	2.8	3.51	-1.64	0.296666	0.561934	CHX12	cation/H(+) antiporter 12
13363243	2.8	3.52	-1.65	0.444889	0.632493	AO4	aldehyde oxidase 4
13515196	2.8	3.54	-1.68	0.121857	0.452662	AT5G55056	hypothetical protein
13382319	2.8	3.57	-1.71	0.161784	0.483588	STM	homeobox protein SHOOT MERISTEMLESS

13440032	2.8	3.58	-1.72	0.248315	0.536392	AT3G55940	phosphoinositide phospholipase C 7
13436672	2.8	3.61	-1.75	0.499432	0.664648	AT3G47920	hypothetical protein
13506402	2.8	3.62	-1.76	0.145827	0.470399	SFP2	sugar transporter ERD6-like 18
13404239	2.8	3.68	-1.83	0.457769	0.639713	AT2G42860	hypothetical protein
13438048	2.8	3.71	-1.88	0.075239	0.410503		
13338565	2.8	3.73	-1.91	0.447808	0.634528	AT1G10810	NAD(P)-linked oxidoreductase-like protein
13484419	2.8	3.74	-1.92	0.303675	0.564297	AT4G14226	hypothetical protein
13542691	2.8	3.74	-1.92	0.407872	0.610473	AtVEX1	nodulin MtN3-like protein
13377290	2.8	3.76	-1.94	0.451446	0.636057	CLE11	CLAVATA3/ESR-related 11 protein
13510327	2.8	3.8	-2.01	0.195177	0.506222	FLA13	fasciclin-like arabinogalactan protein 13
13364826	2.8	3.87	-2.1	0.030428	0.350098	KCS3	3-ketoacyl-CoA synthase 3
13344077	2.8	4.01	-2.32	0.149138	0.471967	AT1G24256	hypothetical protein
13384115	2.8	4.23	-2.7	0.379327	0.595029	AT1G66920	protein kinase-like protein
13534223	2.8	4.35	-2.94	0.469471	0.646573	AT5G41430	RING/U-box domain-containing protein
13372954	2.8	4.5	-3.25	0.421132	0.617806	AT1G27490	F-box and associated interaction domain-containing protein
13388459	2.8	4.89	-4.25	0.370806	0.591914	AT1G77240; AT1G77230	putative AMP-binding protein; tetratricopeptide repeat-containing protein
13347138	2.8	5.38	-5.97	0.251537	0.538526	AT1G32560	Late embryogenesis abundant protein, group 1 protein
13384205	2.8	7.55	-26.93	0.004913	0.268309	RBCS1A	ribulose bisphosphate carboxylase small chain 1A
13484817	2.79	1.93	1.81	0.080158	0.414375	TUA6	tubulin alpha-6 chain
13446420	2.79	2.35	1.36	0.041694	0.368024	MYB83	myb domain protein 83
13483555	2.79	2.51	1.22	0.555522	0.703082	AT4G12360	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13538815	2.79	2.57	1.16	0.11611	0.446792	AT5G52890	AT hook motif-containing protein
13384924	2.79	2.63	1.12	0.560298	0.706222	AT1G68430	hypothetical protein
13495945	2.79	2.64	1.11	0.388532	0.599123	AT4G40011	hypothetical protein
13455257	2.79	2.65	1.1	0.626783	0.751136	AT3G29785	hypothetical protein
13536518	2.79	2.66	1.09	0.102929	0.435908	AT5G47380	hypothetical protein
13434865	2.79	2.67	1.08	0.673658	0.783719	AT3G32280	ATP-dependent helicase family protein
13480625	2.79	2.72	1.05	0.894761	0.935259	MYB55	myb domain protein 55
13540890	2.79	2.74	1.04	0.80083	0.87171	AT5G58400	peroxidase 68
13357586	2.79	2.77	1.01	0.971025	0.983028	AT1G70720	plant invertase/pectin methylesterase inhibitor domain-containing protein
13393058	2.79	2.78	1.01	0.987261	0.992775	LCR40	putative defensin-like protein 186
13382683	2.79	2.8	-1.01	0.978401	0.987243	AT1G63340	flavin-containing monooxygenase-like protein
13408167	2.79	2.81	-1.02	0.920297	0.951866	AT2G06906	hypothetical protein
13384103	2.79	2.83	-1.03	0.839457	0.898794	AT1G66852	carbohydrate-binding X8 domain-containing protein
13341654	2.79	2.89	-1.07	0.806044	0.875514	AT1G18170	putative FKBP-type peptidyl-prolyl cis-trans isomerase 5
13398279	2.79	2.88	-1.07	0.620128	0.747045	AT2G28507	hypothetical protein
13533071	2.79	2.88	-1.07	0.142532	0.468651	AT5G37730	hypothetical protein
13524174	2.79	2.91	-1.08	0.182356	0.497376	FLC	MADS-box protein FLOWERING LOCUS C
13379292	2.79	2.92	-1.1	0.776887	0.854692	AT1G53935	hypothetical protein
13340463	2.79	2.98	-1.14	0.158701	0.481364	AT1G15640	hypothetical protein

13467854	2.79	2.99	-1.14	0.625814	0.750499	AT4G12617	hypothetical protein
13521850	2.79	2.99	-1.15	0.420529	0.617454	BHLH101	transcription factor bHLH101
13341345	2.79	3.01	-1.16	0.787202	0.862063	AT1G17345	SAUR-like auxin-responsive protein family
13481619	2.79	3	-1.16	0.593458	0.728815	AT4G04690	putative F-box only protein 15
13461955	2.79	3.04	-1.19	0.397034	0.604224	AT3G59310; AT3G59300	hypothetical protein; pentatricopeptide repeat-containing protein-like protein
13348639	2.79	3.06	-1.2	0.463632	0.643333	AT1G43610	NLI interacting factor (NIF) family protein
13487926	2.79	3.06	-1.2	0.295798	0.561217		
13340976	2.79	3.12	-1.26	0.184952	0.499508	AT1G16705	p300/CBP acetyltransferase-related protein
13471565	2.79	3.15	-1.28	0.503972	0.668075	AT4G21260	Sulfite exporter TauE/SafE family protein
13461511	2.79	3.2	-1.33	0.170749	0.488785	AT3G58260	TRAF-like family protein
13350020	2.79	3.23	-1.36	0.094118	0.430637	AT1G49475	B3 domain-containing protein
13519602	2.79	3.29	-1.41	0.294111	0.560481	AT5G65158	lipase/lipooxygenase, PLAT/LH2 family protein
13540688	2.79	3.28	-1.41	0.349195	0.581167	TET15	tetraspanin15
13407137	2.79	3.29	-1.42	0.272639	0.549454	MEE66	F-box protein
13349000	2.79	3.3	-1.43	0.167351	0.486855	DD18	protein downregulated in DIF1 18
13473606	2.79	3.36	-1.48	0.102113	0.435546	PGP2	P-glycoprotein 2
13515484	2.79	3.35	-1.48	0.125939	0.455116	AT5G55770	cysteine/histidine-rich C1 domain-containing protein
13455005	2.79	3.39	-1.51	0.192987	0.505638	EXPA5	expansin A5
13347047	2.79	3.49	-1.62	0.188664	0.502829	MKK10	MAP kinase kinase 10
13497945	2.79	3.59	-1.73	0.320937	0.570934	AT5G05530	RING/U-box domain-containing protein
13344199	2.79	3.7	-1.89	0.525126	0.682587	KCR2	beta-ketoacyl reductase 2
13378778	2.79	3.72	-1.9	0.151207	0.473698	AT1G52680	late embryogenesis abundant protein-like protein
13390912	2.79	3.71	-1.9	0.442424	0.630913	CYP71B9	cytochrome P450 71B9
13512164	2.79	3.74	-1.92	0.358398	0.585845	ATZIP4	ZIP4-like protein
13436943	2.79	3.77	-1.96	0.11568	0.446371	AT3G48350	putative cysteine proteinase
13477004	2.79	3.77	-1.98	0.486346	0.655887	AT4G33355	non-specific lipid-transfer protein 11
13375436	2.79	3.81	-2.03	0.071451	0.408234	AT1G34280	hypothetical protein
13388113	2.79	3.84	-2.06	0.291983	0.559372	CUC3	protein CUP-SHAPED COTYLEDON 3
13496289	2.79	3.86	-2.09	0.327241	0.574089	AT5G01760	ENTH/VHS/GAT family protein
13387402	2.79	3.92	-2.2	0.009455	0.296261	AT1G74830	hypothetical protein
13454599	2.79	4.03	-2.36	0.351618	0.582655	MYB118	myb domain protein 118
13437543	2.79	4.24	-2.72	0.370898	0.591914	AT3G49796	hypothetical protein
13542722	2.79	4.34	-2.93	0.328169	0.574416	AT5G62998	hypothetical protein
13489337	2.79	4.5	-3.28	0.224836	0.524988	AT4G25190	hypothetical protein
13376963	2.79	4.57	-3.44	0.090239	0.427018	AT1G48405	Kinase interacting (KIP1-like) family protein
13400156	2.79	4.66	-3.65	0.336196	0.576994	RLP28	receptor like protein 28
13518660	2.79	4.9	-4.33	0.285016	0.556338	AT5G63065	Plant thionin family protein
13432773	2.79	5.05	-4.8	0.279667	0.553836	AT3G24542	Beta-galactosidase related protein
13379075	2.79	5.1	-4.98	0.035931	0.357356	MRD1; AT1G53490	mto 1 responding down 1 protein; RING/U-box domain-containing protein
13458456	2.79	5.22	-5.4	0.11348	0.444631	PSBO2	oxygen-evolving enhancer protein 1-2
13396472	2.78	2.02	1.69	0.05985	0.395174	AT2G23910	Rossmann-fold NAD(P)-binding domain-containing protein
13510129	2.78	2.12	1.59	0.251033	0.538159	AT5G43640	40S ribosomal protein S15-5
13482539	2.78	2.19	1.51	0.230171	0.527372	AT4G09647	putative defensin-like protein 135
13375738	2.78	2.35	1.35	0.037398	0.360883	PUM9	protein pumilio 9

13455612	2.78	2.45	1.25	0.13786	0.46568	AT3G42850	Mevalonate/galactokinase-like protein
13400675	2.78	2.62	1.12	0.497297	0.663441	AT2G34540	hypothetical protein
13394150	2.78	2.64	1.11	0.220758	0.522047	RL4	RAD-like 4 protein
13401737	2.78	2.63	1.11	0.367171	0.590549	AT2G36980	pentatricopeptide repeat-containing protein
13522884	2.78	2.68	1.07	0.72713	0.821047	AT5G06790	hypothetical protein
13359113	2.78	2.72	1.05	0.787097	0.862042	AT1G74400	pentatricopeptide repeat-containing protein
13385916	2.78	2.71	1.05	0.671236	0.781937	AT1G71015	hypothetical protein
13412021	2.78	2.82	-1.03	0.646494	0.764754	MES6	methyl esterase 6
13412381	2.78	2.88	-1.07	0.752702	0.838019	AT2G24470	hypothetical protein
13459999	2.78	2.92	-1.1	0.414474	0.614187	AT3G54570	calmodulin-binding protein-like protein
13413075	2.78	2.96	-1.13	0.12389	0.453788	AT2G26050	hypothetical protein
13496592	2.78	2.96	-1.14	0.253988	0.539558	AT5G02510	hypothetical protein
13374980	2.78	2.98	-1.15	0.239764	0.532669	AT1G32780	alcohol dehydrogenase-like 3
13535881	2.78	2.98	-1.15	0.519572	0.678651	AT5G45640	Subtilisin-like serine endopeptidase family protein
13531910	2.78	2.99	-1.16	0.124661	0.453788	AT5G28910	hypothetical protein
13355772	2.78	3.01	-1.17	0.405649	0.609101	MYB113	transcription factor MYB113
13481878	2.78	3.02	-1.18	0.666151	0.778342	FUR1	major facilitator family protein
13341695	2.78	3.03	-1.19	0.372649	0.592085	MKK7	MAP kinase kinase 7
13519010	2.78	3.03	-1.19	0.266104	0.546291	AT5G63952	hypothetical protein
13542848	2.78	3.1	-1.24	0.684385	0.791142	AT5G63270	RPM1-interacting protein 4 (RIN4)
13459069	2.78	3.12	-1.26	0.336175	0.576994	AT3G52320	putative F-box protein
13473751	2.78	3.11	-1.26	0.304476	0.564973	GolS6	galactinol synthase 6
13461285	2.78	3.13	-1.27	0.148105	0.471967	AT3G57580	F-box protein
13396284	2.78	3.17	-1.31	0.038692	0.364511	AT2G23230	terpene cyclase, C1 domain-containing protein
13444915	2.78	3.16	-1.31	0.209409	0.514771	AT3G05193	hypothetical protein
13504382	2.78	3.17	-1.31	0.684574	0.791328	AT5G22170	hypothetical protein
13351236	2.78	3.19	-1.33	0.444267	0.63204	AT1G52415	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13349443	2.78	3.24	-1.37	0.104315	0.4366	AT1G48100	polygalacturonase
13468731	2.78	3.25	-1.38	0.039481	0.364851	AT4G14970	fanconi anemia group D2 protein
13504272	2.78	3.25	-1.38	0.002896	0.253459	AT5G21430	chaperone DnaJ-domain containing protein
13521129	2.78	3.24	-1.38	0.238495	0.532196	AT5G02021	hypothetical protein
13353376	2.78	3.25	-1.39	0.737219	0.827811	AT1G59171	Inositol-pentakisphosphate 2-kinase-like protein
13457624	2.78	3.25	-1.39	0.204981	0.51184	AT3G48960	large subunit ribosomal protein L13e
13534862	2.78	3.31	-1.44	0.588555	0.72643	AT5G43245	hypothetical protein
13428835	2.78	3.31	-1.45	0.309793	0.566973	AT3G15830	phosphatidic acid phosphatase-related protein
13405102	2.78	3.34	-1.47	0.086095	0.421381	ERF13	ethylene-responsive transcription factor 13
13541983	2.78	3.35	-1.49	0.203123	0.510604	AT5G61090	nucleic acid binding protein
13345743	2.78	3.39	-1.53	0.106909	0.439124	AT1G29140	pollen Ole e 1 allergen and extensin family protein
13376171	2.78	3.43	-1.57	0.16804	0.487067	AT1G43730	RNA-directed DNA polymerase (reverse transcriptase)-related family protein
13462698	2.78	3.51	-1.66	0.516594	0.676337	AT3G61090; AT3G61080	Putative endonuclease or glycosyl hydrolase; protein kinase-like protein
13474113	2.78	3.52	-1.67	0.132264	0.46234	FADA	fatty acid desaturase A
13369944	2.78	3.55	-1.71	0.054458	0.385908	AT1G19160	F-box domain-containing protein

13441594	2.78	3.63	-1.8	0.134364	0.463251	BGLU27	beta glucosidase 27
13434082	2.78	3.74	-1.94	0.021304	0.325044	RPL12-B	50S ribosomal protein L12-2
13434889	2.78	3.93	-2.22	0.419433	0.616985	AT3G33494	hypothetical protein
13411827	2.78	4	-2.33	0.213634	0.518171	AT2G22940	hypothetical protein
13357421	2.78	4.05	-2.41	0.315503	0.568279	EDA24	plant invertase/pectin methylesterase inhibitor domain-containing protein
13337755	2.78	4.1	-2.51	0.262403	0.543595	NUDX1	nudix hydrolase 1
13366181	2.78	4.1	-2.51	0.262403	0.543595	NUDX1	nudix hydrolase 1
13381120	2.78	4.1	-2.51	0.262403	0.543595	NUDX1	nudix hydrolase 1
13452267	2.78	4.1	-2.51	0.262403	0.543595	NUDX1	nudix hydrolase 1
13486258	2.78	4.12	-2.52	0.317402	0.569005	AT4G17780	putative F-box protein
13507156	2.78	4.13	-2.55	0.351512	0.582654	AT5G35069	hypothetical protein
13412552	2.78	4.17	-2.63	0.357155	0.584844	AT2G24800	peroxidase 18
13529484	2.78	4.25	-2.77	0.328789	0.574577	AT5G22660	F-box/FBD/LRR-repeat protein
13340182	2.78	4.29	-2.85	0.429455	0.622788	AT1G14800	Nucleic acid-binding, OB-fold-like protein
13425155	2.78	4.31	-2.89	0.289359	0.557997	AT3G36659	plant invertase/pectin methylesterase inhibitor domain-containing protein
13363155	2.78	4.36	-3	0.097217	0.433165	AT1G04330	hypothetical protein
13389270	2.78	4.4	-3.09	0.339566	0.577996	AT1G78995	hypothetical protein
13356666	2.78	4.43	-3.15	0.002482	0.253459	AT1G68620	alpha/beta-hydrolase domain-containing protein
13456582	2.78	4.61	-3.55	0.378799	0.594674	AT3G45910	hypothetical protein
13491669	2.78	4.8	-4.04	0.135933	0.465036	AT4G30662	hypothetical protein
13375866	2.78	4.94	-4.46	0.000577	0.207323	AT1G36640	hypothetical protein
13492273	2.78	5.02	-4.72	0.307286	0.56579	AT4G32100	beta-1,3-N-Acetylglucosaminyltransferase family protein
13482316	2.78	5.12	-5.05	0.241815	0.533688	AT4G08691	hypothetical protein
13460308	2.78	6.18	-10.56	0.008794	0.293015	TT5	chalcone--flavonone isomerase 1
13383648	2.77	1.95	1.76	0.024707	0.333745	CYP702A1	cytochrome P450, family 702, subfamily A, polypeptide 1
13442919	2.77	2.06	1.64	0.012178	0.301412		
13544644	2.77	2.09	1.59	0.071683	0.408234	AT5G67245	hypothetical protein
13466720	2.77	2.16	1.52	0.284932	0.556338	MYB6	transcription repressor MYB6
13452600	2.77	2.3	1.39	0.151899	0.47404	AT3G22470	pentatricopeptide repeat-containing protein
13543060	2.77	2.33	1.35	0.101475	0.43531	ARI13	putative E3 ubiquitin-protein ligase ARI13
13342911	2.77	2.42	1.27	0.6138	0.742551	AT1G21245	leucine-rich repeat receptor-like protein kinase
13434729	2.77	2.44	1.26	0.489041	0.65787	AT3G30280	HXXXD-type acyl-transferase-like protein
13445005	2.77	2.5	1.2	0.495976	0.662453	AT3G05390	hypothetical protein
13515500	2.77	2.5	1.2	0.051686	0.382313	AT5G55830	concanavalin A-like lectin kinase-like protein
13336890	2.77	2.54	1.18	0.062166	0.398248	AT1G07190	hypothetical protein
13352607	2.77	2.58	1.14	0.110625	0.441823	AT1G55550	P-loop containing nucleoside triphosphate hydrolase-like protein
13343434	2.77	2.62	1.11	0.743405	0.831527	MYB3	transcription factor MYB3
13466012	2.77	2.62	1.11	0.631437	0.754561	AT4G05380	AAA-type ATPase family protein
13455241	2.77	2.64	1.1	0.566186	0.71054	AT3G29750	aspartyl protease-like protein
13347247	2.77	2.65	1.08	0.375949	0.593207	SBT3.5	Subtilase-like protein
13344766	2.77	2.67	1.07	0.612547	0.741725	AT1G26680	B3 domain-containing protein REM17
13402869	2.77	2.7	1.05	0.781821	0.858022	AT2G39725	LYR family of Fe/S cluster biogenesis protein

13417491	2.77	2.75	1.01	0.982665	0.989731	AT2G36180	putative calcium-binding protein CML31
13434838	2.77	2.75	1.01	0.956258	0.974151	AT3G32100	hypothetical protein
13470547	2.77	2.76	1.01	0.934211	0.960213	AT4G18860	hypothetical protein
13400162	2.77	2.79	-1.01	0.902903	0.940513	AT2G33180	hypothetical protein
13422947	2.77	2.8	-1.02	0.850795	0.905877	AT3G01660	S-adenosylmethionine-dependent methyltransferase domain-containing protein
13368242	2.77	2.87	-1.07	0.708157	0.808033	IAA34	auxin-responsive protein IAA34
13525709	2.77	2.86	-1.07	0.230252	0.527475	AT5G13670; AT5G13660	nodulin MtN21 /EamA-like transporter family protein; hypothetical protein
13482320	2.77	2.87	-1.08	0.531544	0.687186	ATPUP13	putative purine permease 13
13496871	2.77	2.88	-1.08	0.465863	0.644706	AT5G03250	Phototropic-responsive NPH3 family protein
13353788	2.77	2.94	-1.12	0.701772	0.803765	AT1G60460	hypothetical protein
13394405	2.77	2.95	-1.13	0.531929	0.687511	AT2G18938	hypothetical protein
13465509	2.77	2.99	-1.16	0.570713	0.713034	AT4G04090	BTB/POZ domain-containing protein
13461547	2.77	3.05	-1.22	0.500103	0.665111	AT3G58330	phospholipase-like protein (PEARLI 4) family protein
13506325	2.77	3.06	-1.22	0.058088	0.392885	ACP5	acyl carrier protein 5
13437455	2.77	3.12	-1.27	0.071931	0.408234	AT3G49540	hypothetical protein
13429444	2.77	3.13	-1.28	0.164956	0.485944	AT3G17190	hypothetical protein
13467879	2.77	3.15	-1.3	0.196989	0.507661	AT4G12690	hypothetical protein
13453042	2.77	3.19	-1.34	0.544541	0.69547	AT3G23970	F-box protein
13341803	2.77	3.21	-1.36	0.262637	0.543746	AT1G18530	putative calcium-binding protein CML15
13435488	2.77	3.21	-1.36	0.095299	0.431535	AT3G44570	retrotransposon ORF-1 protein
13476167	2.77	3.25	-1.4	0.310345	0.566973	GLR2.4	glutamate receptor 2.4
13371478	2.77	3.29	-1.43	0.256597	0.540874	AT1G23070	hypothetical protein
13459139	2.77	3.31	-1.45	0.349747	0.581436	CWINV2	beta-fructofuranosidase, insoluble isoenzyme CWINV2
13387194	2.77	3.34	-1.48	0.425108	0.620343	RLP15	receptor like protein 15
13515732	2.77	3.34	-1.48	0.528301	0.685199	ACA8	alpha carbonic anhydrase 8
13528216	2.77	3.34	-1.48	0.143975	0.469307	CPK34	calcium-dependent protein kinase 34
13418452	2.77	3.35	-1.49	0.041325	0.367619	AT2G38152	alpha 1,4-glycosyltransferase-like protein
13501215	2.77	3.36	-1.51	0.21984	0.521702	AT5G13770; AT5G13780	pentatricopeptide repeat-containing protein; peptide alpha-N-acetyltransferase
13500226	2.77	3.4	-1.55	0.156746	0.479551	SHN3	ethylene-responsive transcription factor SHINE 2
13386288	2.77	3.42	-1.56	0.43316	0.625192	AT1G72270	hypothetical protein
13408719	2.77	3.43	-1.59	0.452349	0.636652	AT2G13660	hypothetical protein
13357850	2.77	3.49	-1.64	0.138289	0.46568	RLP11	receptor like protein 11
13429976	2.77	3.48	-1.65	0.07838	0.414078	AT3G18170	Glycosyltransferase family 61 protein
13432837	2.77	3.8	-2.04	0.049871	0.379214	AT3G24690	hypothetical protein
13359455	2.77	3.85	-2.11	0.074465	0.410455	AT1G75460	ATP-dependent protease La domain-containing protein
13514620	2.77	3.85	-2.12	0.154681	0.477786	AT5G53700	RNA-binding (RRM/RBD/RNP motifs) family protein
13405220	2.77	3.87	-2.14	0.35061	0.582019	AT2G45135	RING/U-box family protein
13374710	2.77	3.99	-2.32	0.363302	0.588629	AT1G32010	myosin heavy chain-like protein
13454714	2.77	4.02	-2.38	0.363679	0.588887	AT3G28223	F-box family protein
13425769	2.77	4.24	-2.77	0.260093	0.542724	VHA-E2	V-type proton ATPase subunit E2
13455651	2.77	4.26	-2.81	0.012228	0.301412	AT3G43110	hypothetical protein
13543189	2.77	4.31	-2.92	0.000293	0.181632	PSAN	photosystem I reaction center subunit N

13504132	2.77	4.38	-3.04	0.404062	0.608498	AT5G20935	hypothetical protein
13530393	2.77	4.85	-4.24	0.384214	0.597873	AT5G24480	Beta-galactosidase related protein
13375993	2.77	4.89	-4.34	0.305496	0.565001	AT1G42080	hypothetical protein
13431254	2.77	5.45	-6.41	0.170035	0.48812	AT3G20850	proline-rich family protein
13386019	2.76	1.71	2.08	0.095762	0.431773	NAP5	putative non-intrinsic ABC protein 5
13441341	2.76	2.21	1.47	0.076189	0.410503	AT3G59450	putative calcium-binding protein CML46
13384540	2.76	2.53	1.18	0.71211	0.810415		
13528369	2.76	2.57	1.15	0.579521	0.719508	AT5G19710	hypothetical protein
13358809	2.76	2.64	1.09	0.644037	0.762794	CDKD1;1	cyclin-dependent kinase D-1
13437712	2.76	2.67	1.07	0.547664	0.697758	HR1	RPW8-like protein 1
13462722	2.76	2.66	1.07	0.823002	0.88685	AGL13	agamous-like MADS-box protein AGL13
13435708	2.76	2.72	1.03	0.788019	0.86259	AT3G45050	hypothetical protein
13336309	2.76	2.78	-1.01	0.951959	0.971373	ARI12	putative E3 ubiquitin-protein ligase ARI12
13416702	2.76	2.77	-1.01	0.979802	0.988029	AT2G34186	hypothetical protein
13428722	2.76	2.78	-1.01	0.982386	0.989692	AT3G15548	hypothetical protein
13414834	2.76	2.78	-1.02	0.957434	0.974828	VSR2	vacuolar-sorting receptor 2
13445407	2.76	2.81	-1.03	0.924394	0.954412	AT3G06145	hypothetical protein
13450156	2.76	2.83	-1.04	0.694943	0.798824	PAB6	poly(A) binding protein 6
13405706	2.76	2.84	-1.05	0.793942	0.866948	AT2G46250	myosin heavy chain-like protein
13475166	2.76	2.88	-1.09	0.498906	0.664402	AT4G29240	leucine-rich repeat-containing protein
13500202	2.76	2.89	-1.1	0.095657	0.431773	AT5G11140	phospholipase-like (PEARLI 4) family protein
13351296	2.76	2.98	-1.16	0.235932	0.530405	AT1G52530	HUS1 checkpoint protein
13433040	2.76	2.97	-1.16	0.667425	0.779003	AT3G25240	hypothetical protein
13443529	2.76	3.01	-1.19	0.552184	0.701072	AT3G02100; MPPBETA	UDP-glycosyltransferase-like protein; mitochondrial processing peptidase
13502762	2.76	3.04	-1.21	0.616925	0.744723	AT5G17720	hydrolase, alpha/beta fold family protein
13545683	2.76	3.12	-1.28	0.035169	0.355472		
13531726	2.76	3.13	-1.29	0.052831	0.383093	AT5G28237	tryptophan synthase beta chain
13537914	2.76	3.18	-1.34	0.250278	0.537509	AT5G50510; AT5G50620	Molecular chaperone Hsp40/DnaJ family protein
13537964	2.76	3.18	-1.34	0.250278	0.537509	AT5G50510; AT5G50620	Molecular chaperone Hsp40/DnaJ family protein
13491628	2.76	3.24	-1.4	0.233029	0.528793	AT4G30570	Glucose-1-phosphate adenylyltransferase family protein
13511072	2.76	3.29	-1.44	0.18724	0.501675	AT5G45950	GDSL esterase/lipase
13523867	2.76	3.28	-1.44	0.265812	0.546245	AT5G09490	40S ribosomal protein S15-2
13399403	2.76	3.32	-1.48	0.320908	0.570934	AT2G31560	hypothetical protein
13412217	2.76	3.36	-1.51	0.540851	0.692831	AT2G24080	hypothetical protein
13480548	2.76	3.36	-1.52	0.116993	0.446922	TIP1;3	aquaporin TIP1-3
13530862	2.76	3.38	-1.54	0.306234	0.565397	AT5G25470	AP2/B3 domain-containing protein
13445770	2.76	3.42	-1.57	0.2721	0.548944	AT3G06770	polygalacturonase-like protein
13468325	2.76	3.41	-1.57	0.301421	0.563858	AT4G13968	putative defensin-like protein 89
13493551	2.76	3.41	-1.58	0.366607	0.590194	AT4G34690	hypothetical protein
13481320	2.76	3.43	-1.6	0.057772	0.39275	AT4G03175	protein kinase family protein
13360008	2.76	3.45	-1.61	0.063493	0.399503	AT1G76910	hypothetical protein
13392085	2.76	3.46	-1.62	0.414378	0.614187	AT2G06845	Beta-galactosidase related protein
13348014	2.76	3.47	-1.63	0.150781	0.473528	AT1G35242	hypothetical protein
13496154	2.76	3.49	-1.66	0.189685	0.50336	AT5G01480	cysteine/histidine-rich C1 domain-containing protein

13533671	2.76	3.53	-1.7	0.439224	0.629258	AGL98	protein agamous-like 98
13484562	2.76	3.55	-1.72	0.269359	0.547822	AT4G14368	regulator of chromosome condensation repeat-containing protein
13504609	2.76	3.63	-1.83	0.398585	0.605002	AT5G22810	GDSL esterase/lipase
13365310	2.76	3.65	-1.85	0.567397	0.710977	SCRL3	putative defensin-like protein 228
13507303	2.76	3.64	-1.85	0.438698	0.628865	MRU1	mto 1 responding up 1
13340652	2.76	3.72	-1.95	0.124185	0.453788	AT1G16025; AT1G16022	hypothetical protein
13389405	2.76	3.73	-1.95	0.332471	0.576298	AGC1.7	AGC kinase 1.7
13513962	2.76	3.73	-1.96	0.173443	0.49082	CYP715A1	cytochrome P450, family 715, subfamily A, polypeptide 1
13512427	2.76	3.86	-2.14	0.521606	0.680035	AT5G48980	F-box/kelch-repeat protein
13380660	2.76	3.87	-2.17	0.241069	0.533477	PUP18	purine permease 18
13380404	2.76	3.9	-2.21	0.511335	0.673029	PAP6	purple acid phosphatase 6
13509048	2.76	3.92	-2.24	0.242807	0.534256	NAC095	NAC domain containing protein 95
13340266	2.76	3.99	-2.34	0.413252	0.613675	AT1G15150	MATE efflux family protein
13364368	2.76	4.04	-2.43	0.509665	0.671951	AT1G06810	hypothetical protein
13358618	2.76	4.14	-2.6	0.284402	0.556165	TIP3;1	aquaporin TIP3-1
13387400	2.76	4.25	-2.81	0.346777	0.58045	AT1G74820	germin-like protein subfamily T member 3
13526903	2.76	4.26	-2.82	0.301663	0.563858	AT5G16285	F-box protein
13507113	2.76	4.3	-2.91	0.142775	0.468772	AT5G33898	hypothetical protein
13408165	2.76	4.54	-3.42	0.332361	0.576298	AT2G06667	hypothetical protein
13407918	2.76	5.3	-5.82	0.055498	0.387951	LHCB2.2	photosystem II light harvesting complex protein 2.2
13440422	2.75	2.31	1.36	0.14519	0.470007	AT3G57110	hypothetical protein
13533318	2.75	2.34	1.32	0.327089	0.574063	AT5G38590	FBD-associated F-box protein
13359929	2.75	2.49	1.2	0.290625	0.5586	AT1G76705	calmodulin binding protein
13497621	2.75	2.54	1.16	0.405993	0.609225	OFP13	ovate family protein 13
13397249	2.75	2.58	1.12	0.756334	0.840655	PDF1.3	defensin-like protein 14
13348560	2.75	2.63	1.09	0.39639	0.604018	AT1G43000	PLATZ transcription factor family protein
13410625	2.75	2.68	1.04	0.805051	0.874701	AT2G19980	allergen V5/Tpx-1-related family protein
13450930	2.75	2.69	1.04	0.886947	0.930765	NUC-L2	nucleolin
13382755	2.75	2.77	-1.01	0.930342	0.957572	AT1G63522	defensin-like protein 278
13412129	2.75	2.77	-1.01	0.915655	0.949074	GGPS2	geranylgeranyl pyrophosphate synthase 4
13536951	2.75	2.78	-1.02	0.967245	0.980673		
13387263	2.75	2.79	-1.03	0.89186	0.933591	FUT3; AT1G74410	fucosyltransferase 3; NEP1-interacting protein-like 2
13439627	2.75	2.8	-1.03	0.711908	0.81034	AT3G55190	esterase/lipase/thioesterase family protein
13397326	2.75	2.83	-1.06	0.821276	0.885621		
13391131	2.75	2.85	-1.07	0.604132	0.73518	SK19	S-phase kinase-associated protein 1
13536006	2.75	2.91	-1.12	0.452262	0.636609	AT5G45960	GDSL esterase/lipase
13490377	2.75	2.93	-1.13	0.767136	0.847947	AT4G27420	ABC transporter G family member 9
13417169	2.75	2.97	-1.17	0.202067	0.510309	LEA18	late embryogenesis abundant group 1 protein
13475422	2.75	3	-1.18	0.195329	0.50631	AT4G30040	aspartyl protease family protein
13537297	2.75	2.99	-1.18	0.077573	0.412823	AT5G49170	hypothetical protein
13396292	2.75	3.02	-1.2	0.388362	0.599123	AT2G23270	hypothetical protein
13399211	2.75	3.06	-1.24	0.777116	0.854912	CLE4	protein CLAVATA3/ESR-related 4
13537302	2.75	3.07	-1.25	0.030618	0.350098	AT5G49180	Putative pectinesterase/pectinesterase inhibitor 58 58

13401962	2.75	3.07	-1.25	0.432161	0.624555	AT2G37430	C2H2 and C2HC zinc finger domain-containing protein
13454440	2.75	3.06	-1.25	0.498805	0.664307	AT3G27480	cysteine/histidine-rich C1 domain-containing protein
13424950	2.75	3.09	-1.26	0.427062	0.621365	MKK8	MAP kinase kinase 8
13372025	2.75	3.14	-1.31	0.598957	0.731685	AT1G24230	paired amphipathic helix domain-containing protein
13538732	2.75	3.15	-1.31	0.216139	0.519792	MYB82	transcription factor MYB82
13482328	2.75	3.17	-1.33	0.252141	0.538677	AT4G08760	hypothetical protein
13354326	2.75	3.23	-1.4	0.014886	0.313095	AT1G62240	hypothetical protein
13515186	2.75	3.27	-1.43	0.299176	0.562613	AT5G55010	hypothetical protein
13534720	2.75	3.27	-1.43	0.301191	0.563858	AT5G42905	RNase H domain-containing protein
13491156	2.75	3.29	-1.46	0.182809	0.497689	PRA1.C	PRA1-like protein C
13486580	2.75	3.31	-1.47	0.071732	0.408234	AT4G18650	transcription factor-related protein
13404443	2.75	3.34	-1.5	0.067892	0.405979	AT2G43230	protein kinase domain-containing protein
13544141	2.75	3.33	-1.5	0.230659	0.527788	AT5G66150	Glycosyl hydrolase family 38 protein
13350812	2.75	3.37	-1.54	0.142608	0.46872	AT1G51440	phospholipase A1-Igamma3
13454705	2.75	3.44	-1.61	0.026859	0.339972	AT3G28155	hypothetical protein
13420104	2.75	3.44	-1.62	0.050065	0.380098	PGAZAT	Polygalacturonase ADPG2
13431648	2.75	3.52	-1.7	0.471744	0.647513	AT3G22022	hypothetical protein
13379665	2.75	3.52	-1.71	0.046726	0.377465	AT1G54840; NF-YC3	alpha-crystallin domain of heat shock protein-containing protein; nuclear transcription factor Y subunit C-3
13408421	2.75	3.53	-1.72	0.093094	0.429815	AT2G07760	Zinc knuckle (CCHC-type) family protein
13412173	2.75	3.56	-1.76	0.153853	0.476554	ENODL11	early nodulin-like protein 11
13347956	2.75	3.59	-1.79	0.230562	0.527676	AT1G35030	hypothetical protein
13530225	2.75	3.6	-1.8	0.426842	0.621268	AT5G24250	hypothetical protein
13532545	2.75	3.6	-1.8	0.29273	0.559559	AT5G36200	putative F-box protein
13345721	2.75	3.61	-1.82	0.518363	0.677598	AT1G29110	cysteine proteinase-like protein
13463392	2.75	3.68	-1.92	0.038065	0.363017	AT3G62730	hypothetical protein
13363923	2.75	3.69	-1.92	0.133835	0.463251	AT1G05615	hypothetical protein
13456174	2.75	3.71	-1.95	0.046866	0.377465	CHX10	cation/H(+) antiporter 10
13487026	2.75	3.75	-1.99	0.258347	0.541251	AT4G19800	Glycosyl hydrolase family protein with chitinase insertion domain
13377978	2.75	3.84	-2.13	0.227283	0.525643	AT1G50650	stigma-specific stig1-like protein
13420612	2.75	3.91	-2.25	0.344129	0.579383	AT2G42955	hypothetical protein
13451576	2.75	3.92	-2.25	0.406518	0.609612	AT3G19920	hypothetical protein
13443183	2.75	3.98	-2.35	0.305697	0.565001	AT3G01311	hypothetical protein
13360666	2.75	4.01	-2.4	0.086279	0.421773	AT1G78476; AT1G78480	hypothetical protein; prenyltransferase-like protein
13365914	2.75	4.05	-2.46	0.033469	0.354018	OPT2	oligopeptide transporter 2
13446796	2.75	4.05	-2.46	0.277423	0.552045	AT3G09240	Protein kinase protein with tetratricopeptide repeat domain
13381114	2.75	4.08	-2.52	0.455853	0.638899	AT1G59865	hypothetical protein
13411830	2.75	4.1	-2.56	0.368101	0.590886	AT2G22942	growth factor protein
13388961	2.75	4.25	-2.84	0.074708	0.410456	AT1G78450	SOUL heme-binding-like protein
13418314	2.75	4.54	-3.48	0.341652	0.578744	AT2G37800	cysteine/histidine-rich C1 domain-containing protein
13520672	2.75	4.82	-4.21	0.179066	0.494636	AT5G01075	Glycosyl hydrolase family 35 protein
13459193	2.75	4.94	-4.56	0.02754	0.343301	AT3G52740	hypothetical protein

13346757	2.75	5.09	-5.06	0.226036	0.524988	ECS1	protein ECS1
13539880	2.75	5.11	-5.14	0.182462	0.497424	AT5G55880; AT5G55890	hypothetical protein
13539882	2.75	5.11	-5.14	0.182462	0.497424	AT5G55880; AT5G55890	hypothetical protein
13478764	2.75	5.62	-7.32	0.040105	0.365591	CYP81F3	cytochrome P450, family 81, subfamily F, polypeptide 3
13535818	2.74	2.4	1.26	0.134719	0.463251	AT5G45460	hypothetical protein
13478880	2.74	2.42	1.25	0.475907	0.649794	AT4G37685	hypothetical protein
13452620	2.74	2.47	1.21	0.181652	0.496969	AT3G22540	hypothetical protein
13386686	2.74	2.48	1.2	0.194949	0.505993	TBL31	hypothetical protein
13357676	2.74	2.53	1.15	0.586603	0.725023	AT1G70970	putative F-box protein
13500627	2.74	2.58	1.12	0.701961	0.803803	AT5G12050	hypothetical protein
13465681	2.74	2.59	1.11	0.292806	0.559559	CRK39	putative cysteine-rich receptor-like protein kinase 39
13402489	2.74	2.63	1.08	0.643289	0.762161	MAP65-5	microtubule-associated protein 65-5
13509629	2.74	2.65	1.07	0.417905	0.616286	AT5G42450	pentatricopeptide repeat-containing protein
13513910	2.74	2.68	1.05	0.923231	0.953659	MYB19	myb domain protein 19
13395268	2.74	2.71	1.02	0.895061	0.935344	AT2G21010	calcium-dependent lipid-binding domain
13356239	2.74	2.76	-1.01	0.75922	0.842323	AT1G67670	hypothetical protein
13349825	2.74	2.78	-1.02	0.867524	0.9176	AT1G49015	DPP6 N-terminal domain-like protein
13520251	2.74	2.77	-1.02	0.906131	0.942604	AT5G66658	hypothetical protein
13411889	2.74	2.78	-1.03	0.916753	0.949611	AT2G23100	cysteine/histidine-rich C1 domain-containing protein
13451551	2.74	2.78	-1.03	0.840583	0.899527	AT3G19890	F-box protein
13396074	2.74	2.87	-1.09	0.394087	0.60263	AT2G22820	hypothetical protein
13401591	2.74	2.86	-1.09	0.640159	0.760311	AT2G36550	hypothetical protein
13444951	2.74	2.91	-1.12	0.680741	0.788445	AT3G05300	Cytidine/deoxycytidylate deaminase-like protein
13351389	2.74	2.93	-1.14	0.394042	0.602623	AT1G52870	Peroxisomal membrane 22 kDa (Mpv17/PMP22) family protein
13352807	2.74	2.92	-1.14	0.589015	0.726681	MYB72	myb domain protein 72
13386082	2.74	2.95	-1.15	0.730037	0.82324	AT1G71420	pentatricopeptide repeat-containing protein
13335761	2.74	2.95	-1.16	0.603925	0.735021	AT1G04445	C2H2-like zinc finger protein
13499993	2.74	2.98	-1.18	0.601437	0.733237	CYP81K2	cytochrome P450, family 81, subfamily K, polypeptide 2
13465975	2.74	3	-1.2	0.460843	0.641973	AT4G05230	ubiquitin family protein
13357645	2.74	3.02	-1.21	0.271464	0.548926	AT1G70910	RING/U-box domain-containing protein
13475170	2.74	3.02	-1.21	0.684218	0.790981	AT4G29250	HXXXD-type acyl-transferase-like protein
13516816	2.74	3.06	-1.25	0.133956	0.463251	AT5G58750	WcaG domain-containing protein
13375285	2.74	3.09	-1.27	0.158384	0.481042	AT1G33830	avirulence-responsive family protein
13464230	2.74	3.09	-1.27	0.350506	0.582019	AT4G01023	RING/U-box domain-containing protein
13515761	2.74	3.08	-1.27	0.586075	0.72462	AT5G56470	FAD-dependent oxidoreductase-like protein
13415116	2.74	3.12	-1.3	0.440738	0.629975	AT2G30760; AT2G30766	hypothetical protein
13507706	2.74	3.11	-1.3	0.416393	0.615562	AT5G37220	zinc finger (C3HC4-type RING finger) family protein
13340487	2.74	3.14	-1.32	0.007655	0.290374	AT1G15680	putative F-box/kelch-repeat protein
13447115	2.74	3.17	-1.34	0.297657	0.562359	AT3G09990	putative nucleoside transporter, ENT2

13542080	2.74	3.25	-1.42	0.020962	0.32422	CYP89A3	cytochrome P450, family 89, subfamily A, polypeptide 3
13398681	2.74	3.26	-1.44	0.275461	0.550666	THIC	thiamine biosynthesis protein ThiC
13523760	2.74	3.28	-1.45	0.008756	0.293015	AT5G09280; AT5G09270	pectate lyase; hypothetical protein
13347507	2.74	3.28	-1.46	0.208804	0.514239	AT1G33612	Leucine-rich repeat (LRR) family protein
13459214	2.74	3.31	-1.48	0.601434	0.733237	ZPR3	protein little zipper 3
13510376	2.74	3.33	-1.51	0.573093	0.715015	AT5G44220	F-box protein
13465736	2.74	3.44	-1.63	0.090742	0.427844	AT4G04760	sugar transporter ERD6-like 15
13512376	2.74	3.47	-1.65	0.057781	0.39275	AT5G48890	C2H2-like zinc finger protein
13456403	2.74	3.47	-1.66	0.522832	0.681042	AT3G45530	cysteine/histidine-rich C1 domain-containing protein
13385061	2.74	3.48	-1.67	0.277831	0.552487	IDA	protein IDA
13499765	2.74	3.51	-1.71	0.36735	0.590549	CYP78A7	cytochrome P450, family 78, subfamily A, polypeptide 7
13406076	2.74	3.54	-1.74	0.117947	0.448003	MYB2	myb domain protein 2
13401407	2.74	3.62	-1.84	0.178379	0.494435	AT2G36145	hypothetical protein
13510513	2.74	3.64	-1.87	0.221748	0.52294	AT5G44575	hypothetical protein
13366916	2.74	3.71	-1.97	0.418361	0.616376	AT1G11990	O-fucosyltransferase family protein
13380978	2.74	3.86	-2.18	0.453107	0.637015	AT1G58766; AT1G59077; AT1G59453; AT1G17450	hypothetical protein; B-block binding subunit of TFIIIC
13380994	2.74	3.86	-2.18	0.453107	0.637015	AT1G58766; AT1G59077; AT1G59453; AT1G17450	hypothetical protein; B-block binding subunit of TFIIIC
13500752	2.74	3.9	-2.24	0.316297	0.568464	AT5G12450	FBD-like domain family protein
13463804	2.74	4.07	-2.5	0.279942	0.554083	UNE10	transcription factor UNE10
13434273	2.74	4.11	-2.6	0.104835	0.437126	AT14A	hypothetical protein
13434279	2.74	4.11	-2.6	0.104835	0.437126	AT14A	hypothetical protein
13460425	2.74	4.18	-2.71	0.167652	0.48688	EXPA16	expansin A16
13431605	2.74	4.23	-2.81	0.365214	0.589672	AT3G21930	putative cysteine-rich repeat secretory protein 19
13378599	2.74	4.33	-3.02	0.087831	0.423768	AT1G52220	hypothetical protein
13336384	2.74	4.59	-3.6	0.007318	0.288531	RHS2	calmodulin-like protein 7
13428110	2.74	4.69	-3.85	0.395122	0.603169	AT3G14431	hypothetical protein
13366124	2.74	4.73	-3.98	0.252633	0.538805	ERD9	glutathione S-transferase
13399451	2.74	4.78	-4.1	0.004064	0.262292	UGT74D1	UDP-glucosyl transferase 74D1
13482055	2.74	4.83	-4.25	0.31436	0.568148	AT4G06740	hypothetical protein
13456804	2.74	4.93	-4.56	0.353316	0.583612	AT3G46570	glycosyl hydrolase family 17 protein
13408042	2.74	5.11	-5.16	0.23931	0.532501	AT2G05803	hypothetical protein
13486846	2.74	5.22	-5.6	0.337342	0.577005	AT4G19240	hypothetical protein
13475883	2.74	5.51	-6.82	0.320064	0.570634	AT4G31136	hypothetical protein
13433164	2.73	2.41	1.25	0.117179	0.447046	AT3G25590	hypothetical protein
13401899	2.73	2.46	1.2	0.181484	0.49681	AT2G37320	pentatricopeptide repeat-containing protein
13453654	2.73	2.46	1.2	0.110505	0.441725	AT3G25570; CPuORF11	S-adenosylmethionine decarboxylase; S-adenosylmethionine decarboxylase-like protein
13410628	2.73	2.48	1.19	0.519911	0.678787	PR-1-LIKE	pathogenesis-related protein-1-like protein

13453086	2.73	2.59	1.1	0.548571	0.698556	AT3G24080	KRR1 family protein
13411933	2.73	2.63	1.08	0.5511	0.700436	AT2G23348	hypothetical protein
13467336	2.73	2.64	1.06	0.823577	0.887242	AT4G11170	putative disease resistance protein
13461825	2.73	2.76	-1.02	0.936872	0.961738	AT3G58950	putative F-box protein
13545627	2.73	2.76	-1.02	0.899549	0.938148	AT4G03115; AT4G03113	Mitochondrial substrate carrier family protein; hypothetical protein
13334341	2.73	2.77	-1.03	0.92925	0.956937	ACS2	1-aminocyclopropane-1-carboxylate synthase 2
13365439	2.73	2.77	-1.03	0.765371	0.84665	BIP3	Hsp70 protein BiP chaperone BIP-L
13461562	2.73	2.81	-1.06	0.809709	0.878124	AT3G58360	TRAF-like family protein
13410565	2.73	2.91	-1.13	0.376563	0.593412	AT2G19920	RNA-dependent RNA polymerase family protein
13439972	2.73	2.91	-1.14	0.596083	0.730454	AT3G55790	hypothetical protein
13448753	2.73	2.93	-1.14	0.161858	0.483588	ATSPO11-1	meiotic recombination protein SPO11-1
13443903	2.73	2.98	-1.19	0.386311	0.598595	AT3G03080	2-alkenal reductase
13519570	2.73	2.98	-1.19	0.406841	0.609755	MAF5	K-box region and MADS-box transcription factor family protein
13408972	2.73	2.99	-1.2	0.407417	0.610208	AT2G15029	hypothetical protein
13435162	2.73	3.04	-1.24	0.336893	0.577005	AT3G43623	hypothetical protein
13480891	2.73	3.05	-1.24	0.212097	0.517359	AT4G02310	putative F-box/kelch-repeat protein
13379918	2.73	3.06	-1.26	0.446365	0.633684	WRKY10	putative WRKY transcription factor 10
13541255	2.73	3.07	-1.26	0.401323	0.606705	SBT4.13	subtilase 4.13
13458235	2.73	3.09	-1.28	0.447591	0.634346	HEC2	transcription factor HEC2
13483825	2.73	3.08	-1.28	0.424273	0.619735	XTH2	xyloglucan endotransglucosylase/hydrolase protein 2
13452877	2.73	3.1	-1.29	0.597454	0.731118	AT3G23550	mate efflux domain-containing protein
13483166	2.73	3.1	-1.29	0.100103	0.434576	AT4G11340	TIR-NBS-LRR class disease resistance protein
13473965	2.73	3.14	-1.32	0.099789	0.434356	AT4G26701	DNA binding;DNA topoisomerase type Is
13417574	2.73	3.15	-1.34	0.170545	0.488651		
13357230	2.73	3.19	-1.38	0.626009	0.750502	AT1G70040	hypothetical protein
13412580	2.73	3.23	-1.41	0.162432	0.484482	AT2G24870	self-incompatibility S1 family protein
13371021	2.73	3.25	-1.43	0.281279	0.554599	sks8	SKU5 similar 8 protein
13395539	2.73	3.3	-1.48	0.190284	0.503959	APL4	putative glucose-1-phosphate adenylyltransferase large subunit
13511365	2.73	3.48	-1.68	0.375475	0.593207	AT5G46650	RING-H2 finger protein ATL30
13490101	2.73	3.52	-1.73	0.082145	0.417191	AT4G26880	Stigma-specific Stig1 family protein
13456501	2.73	3.71	-1.98	0.300281	0.563239	AT3G45800	hypothetical protein
13467106	2.73	3.72	-1.99	0.070173	0.406528	AT4G10490	oxidoreductase, 2OG-Fe(II) oxygenase family protein
13374070	2.73	3.73	-2	0.256926	0.541014	AT1G30350	pectate lyase
13452999	2.73	3.73	-2	0.108592	0.440622	AT3G23860	GTP-binding protein-like protein
13392573	2.73	3.89	-2.23	0.259293	0.542084	AT2G11851	hypothetical protein
13480437	2.73	4.08	-2.56	0.24196	0.533761	PIPK10	1-phosphatidylinositol-4-phosphate 5-kinase
13477410	2.73	4.14	-2.65	0.052567	0.382994	KCS16	3-ketoacyl-CoA synthase 16
13418877	2.73	4.19	-2.75	0.124946	0.454106	AT2G39240	RNA polymerase I specific transcription initiation factor RRN3 protein
13499397	2.73	4.27	-2.89	0.078596	0.414078	FLS1	flavonol synthase/flavanone 3-hydroxylase
13354391	2.73	4.36	-3.09	0.047355	0.377622	FMO GS-OX2	flavin-containing monooxygenase FMO GS-OX2

13479696	2.73	4.47	-3.33	0.402021	0.60696	AT4G39750	F-box-related protein
13436941	2.73	4.58	-3.6	0.026085	0.337071	AT3G48346	hypothetical protein
13341968	2.73	4.66	-3.8	0.331311	0.576012		
13359162	2.73	4.66	-3.8	0.331311	0.576012		
13469563	2.73	4.66	-3.8	0.331311	0.576012		
13336710	2.73	4.98	-4.74	0.03899	0.364658	PSBP-1	oxygen-evolving enhancer protein 2-1
13494647	2.73	5.05	-4.98	0.021504	0.325381	MES9	methyl esterase 9
13533743	2.72	1.83	1.85	0.091593	0.428831	AT5G40080	Mitochondrial ribosomal protein L27
13454911	2.72	2.13	1.5	0.153807	0.476554	AT3G28857	basic helix-loop-helix (bHLH) DNA-binding family protein
13399529	2.72	2.22	1.42	0.335155	0.576654	LCR76	putative defensin-like protein 9
13469084	2.72	2.47	1.19	0.509814	0.671986	AT4G15510	PsbP domain-containing protein 1
13392902	2.72	2.48	1.18	0.274684	0.550583	AT2G14390	hypothetical protein
13367555	2.72	2.53	1.14	0.708184	0.808033	LAG13	LAG1 longevity assurance homolog 3
13395112	2.72	2.53	1.14	0.545417	0.696091	AT2G20597	Plant thionin family protein
13509120	2.72	2.53	1.13	0.456472	0.639006	AT5G41280	cysteine-rich repeat secretory protein 57
13354151	2.72	2.59	1.1	0.791747	0.865352	AT1G61700	DNA-directed RNA polymerases II subunit L
13483548	2.72	2.59	1.09	0.573286	0.715119	AT4G12334	cytochrome P450 family protein
13504439	2.72	2.7	1.01	0.947078	0.968388	AT5G22355	cysteine/histidine-rich C1 domain-containing protein
13543365	2.72	2.73	-1.01	0.976732	0.986081	AT5G64395	hypothetical protein
13455866	2.72	2.75	-1.02	0.909026	0.944722	AT3G43940	hypothetical protein
13353248	2.72	2.76	-1.03	0.425828	0.620747	CYP79C2	cytochrome p450 79c2
13478286	2.72	2.78	-1.04	0.763042	0.844695	AT4G36105	hypothetical protein
13380962	2.72	2.81	-1.06	0.78108	0.857523		
13484612	2.72	2.83	-1.08	0.657642	0.773223	AT4G14480	protein kinase family protein
13540339	2.72	2.82	-1.08	0.717603	0.814396	AT5G57123	hypothetical protein
13382048	2.72	2.84	-1.09	0.654159	0.77044	TPS14; AT1G61670	terpene synthase 14; Lung seven transmembrane receptor family protein
13461105	2.72	2.91	-1.14	0.292661	0.559559	BG1	beta-1,3-glucanase 1
13412084	2.72	2.92	-1.15	0.316926	0.568567	YCF37	synechocystis YCF37-like protein
13532299	2.72	2.94	-1.17	0.638228	0.759123	AT5G35603	hypothetical protein
13353970	2.72	2.98	-1.2	0.335424	0.576654	AT1G61170	hypothetical protein
13511375	2.72	2.98	-1.2	0.5809	0.720717	bHLH071	transcription factor bHLH71
13502044	2.72	3.03	-1.24	0.484571	0.654458	AT5G15940	Rossmann-fold NAD(P)-binding domain-containing protein
13509569	2.72	3.05	-1.26	0.274801	0.550583	AT5G42290	transcription activator-related protein
13388148	2.72	3.07	-1.27	0.324325	0.573008	AT1G76480	hypothetical protein
13445133	2.72	3.06	-1.27	0.549982	0.69959	IMPA-7	importin alpha isoform 7
13357962	2.72	3.08	-1.28	0.155815	0.478792	AT1G71760	hypothetical protein
13350248	2.72	3.09	-1.3	0.36211	0.587911	AT1G50060	putative pathogenesis-related protein
13418584	2.72	3.14	-1.34	0.166753	0.486825	CIPK22	CBL-interacting protein kinase 22
13447112	2.72	3.18	-1.37	0.262574	0.543695	AT3G09950	hypothetical protein
13366251	2.72	3.21	-1.41	0.456263	0.638899	AT1G10620	protein kinase-like protein
13474903	2.72	3.31	-1.51	0.313958	0.568024	AT4G28780	GDSL esterase/lipase
13422027	2.72	3.36	-1.55	0.297631	0.562346	AT2G46495	RING/U-box domain-containing protein
13400384	2.72	3.4	-1.59	0.236145	0.530423	AT2G33705	F-box protein
13493022	2.72	3.48	-1.7	0.140339	0.466648	AT4G33467	hypothetical protein
13375876	2.72	3.53	-1.75	0.231805	0.528276	AT1G36942	hypothetical protein

13477749	2.72	3.58	-1.81	0.001123	0.242634	AT4G34930	1-phosphatidylinositol phosphodiesterase-related protein
13461911	2.72	3.59	-1.83	0.551493	0.70053	AT3G59120; AT3G59110	Cysteine/Histidine-rich C1 domain family protein; protein kinase family protein
13407378	2.72	3.63	-1.89	0.347683	0.580585	AT2G03020	Heat shock protein HSP20/alpha crystallin family protein
13341552	2.72	3.72	-2.01	0.442596	0.630991	BETA-TIP	putative aquaporin TIP3-2
13477522	2.72	3.75	-2.05	0.316806	0.568567	AT4G34419	hypothetical protein
13487561	2.72	3.76	-2.05	0.171292	0.489309	MYB102	MYB-like 102
13539170	2.72	3.81	-2.13	0.468649	0.645889	AT5G53905	hypothetical protein
13509371	2.72	3.87	-2.21	0.33315	0.576298	AT5G41920	scarecrow-like protein 23
13478776	2.72	3.88	-2.24	0.125368	0.454572	CYP91A2	cytochrome P450 81F1
13533623	2.72	3.91	-2.28	0.252307	0.538705	AT5G39640	Putative endonuclease or glycosyl hydrolase
13510166	2.72	3.94	-2.32	0.31081	0.566973	AT5G43740	CC-NBS-LRR class disease resistance protein
13347096	2.72	3.94	-2.34	0.292375	0.559559	AT1G32420	putative F-box protein
13407627	2.72	4.08	-2.58	0.162093	0.483932	TX1	MATE efflux family protein
13465640	2.72	4.09	-2.59	0.071884	0.408234	WRKY42	putative WRKY transcription factor 42
13469483	2.72	4.13	-2.66	0.076462	0.410833	AT4G16230	carboxylesterase/ hydrolase
13488871	2.72	4.15	-2.7	0.328184	0.574416	AT4G24300	Peptidase C50, separase
13537559	2.72	4.17	-2.74	0.228149	0.526027	AT5G49800	lipid-binding START domain-containing protein
13430312	2.72	4.21	-2.81	0.042834	0.369928	AT3G18900	hypothetical protein
13381191	2.72	4.22	-2.82	0.008486	0.293015	AT1G60050	Nodulin MtN21 /EamA-like transporter family protein
13398924	2.72	4.57	-3.6	0.22624	0.525127	AT2G30300	major facilitator protein
13493360	2.72	4.73	-4.02	0.0361	0.358158	UGT73B2	UDP-glucosyltransferase 73B2
13385930	2.72	5.19	-5.51	0.113624	0.444631	MYBL2	myb proto-oncogene protein
13392544	2.72	5.55	-7.09	0.366424	0.590194	AT2G11522	hypothetical protein
13456257	2.72	5.99	-9.62	0.007269	0.288531	AT3G45160	Putative membrane lipoprotein
13513933	2.72	6.25	-11.55	0.002217	0.253459	LTI78	low-temperature-responsive protein 78/desiccation-responsive protein 29A
13369084	2.71	2.15	1.47	0.261345	0.543266	AT1G17230	leucine-rich receptor-like protein kinase
13509478	2.71	2.36	1.28	0.335771	0.576694	AT5G42203	hypothetical protein
13459371	2.71	2.37	1.27	0.137999	0.46568	MYB27	myb domain protein 27
13360445	2.71	2.43	1.21	0.508456	0.671279		
13389062	2.71	2.45	1.2	0.206985	0.513386	AT1G78640	hypothetical protein
13478947	2.71	2.45	1.19	0.150759	0.473528	AT4G37950	Rhamnogalacturonate lyase family protein
13426102	2.71	2.52	1.14	0.411953	0.613103	AT3G09550	ankyrin repeat-containing protein
13469746	2.71	2.54	1.13	0.826744	0.889778	AT4G16855	hypothetical protein
13533522	2.71	2.6	1.08	0.67102	0.781731	AT5G39390	leucine-rich repeat protein kinase-like protein
13524590	2.71	2.63	1.06	0.833826	0.894712	AT5G10890	myosin heavy chain-like protein
13495022	2.71	2.67	1.03	0.909087	0.944742	AT4G38052	hypothetical protein
13482992	2.71	2.74	-1.02	0.960434	0.976578	AT4G10870	hypothetical protein
13350609	2.71	2.74	-1.03	0.947443	0.968648	AT1G51010	hypothetical protein
13462882	2.71	2.75	-1.03	0.937871	0.962521	AT3G61571	hypothetical protein
13340452	2.71	2.81	-1.07	0.769043	0.849332	AT1G15620	hypothetical protein
13501735	2.71	2.84	-1.09	0.819498	0.884481	AT5G15140	aldose 1-epimerase

13521869	2.71	2.83	-1.09	0.717136	0.814216	AT5G04210	CCCH-type zinc fingerfamily protein with RNA-binding domain
13419284	2.71	2.85	-1.1	0.856773	0.910439	AT2G40081	hypothetical protein
13476228	2.71	2.87	-1.12	0.225112	0.524988	PKR2	putative chromatin remodeling factor
13530401	2.71	2.88	-1.13	0.291429	0.559213	AT5G24510	large subunit ribosomal protein LP1
13380655	2.71	2.89	-1.14	0.820161	0.884896	AT1G57980	putative purine permease
13371701	2.71	2.92	-1.15	0.500933	0.665558	AT1G23570	hypothetical protein
13391467	2.71	2.93	-1.16	0.137409	0.46568	AT2G04039	hypothetical protein
13540671	2.71	2.95	-1.19	0.024787	0.334186	AT5G57780	hypothetical protein
13352959	2.71	2.96	-1.19	0.244093	0.534773	WRR4	white rust resistance 4 protein
13375475	2.71	2.96	-1.19	0.733334	0.825524	AT1G34400	hypothetical protein
13475520	2.71	2.96	-1.19	0.286237	0.556958	AT4G30230	hypothetical protein
13336976	2.71	3.03	-1.25	0.217169	0.52027	AT1G07460	putative concanavalin A-like lectin
13385212	2.71	3.04	-1.26	0.283634	0.555903	AT1G69080	adenine nucleotide alpha hydrolases-like protein
13338920	2.71	3.05	-1.27	0.455032	0.63834	AT1G11690	hypothetical protein
13413833	2.71	3.05	-1.27	0.145076	0.470007	AT2G27535	ribosomal protein L10A family protein
13465322	2.71	3.06	-1.28	0.411709	0.612911	AT4G03290	calmodulin-like protein 6
13348601	2.71	3.1	-1.31	0.088601	0.425112	AT1G43145	hypothetical protein
13539690	2.71	3.14	-1.35	0.091834	0.429207	AT5G55360	putative long-chain-alcohol O-fatty-acyltransferase 3
13416159	2.71	3.18	-1.39	0.131721	0.46184	NSP2	Nitrile-specifier protein 2
13347070	2.71	3.22	-1.43	0.376274	0.593207	AT1G32375	putative FBD-associated F-box protein
13347885	2.71	3.23	-1.43	0.345958	0.58045	AT1G34480	DC1 domain-containing protein
13540031	2.71	3.25	-1.45	0.010071	0.296261	AT5G56370	FBD-associated F-box protein
13520416	2.71	3.25	-1.45	0.055374	0.387739	MAPKKK19	mitogen-activated protein kinase kinase kinase 19
13416952	2.71	3.3	-1.51	0.182548	0.497424	AT2G34800	hypothetical protein
13526022	2.71	3.33	-1.53	0.345819	0.58045	ENODL21	early nodulin-like protein 21
13421580	2.71	3.33	-1.54	0.329366	0.574846	AT2G45412	hypothetical protein
13401113	2.71	3.36	-1.57	0.017167	0.319147	AT2G35615	aspartyl protease-like protein
13451828	2.71	3.36	-1.57	0.076549	0.411045	COBL10	COBRA-like protein 10
13479016	2.71	3.37	-1.57	0.626393	0.750792	AT4G38092	hypothetical protein
13531366	2.71	3.4	-1.61	0.299095	0.562584	AT5G27010	armadillo/beta-catenin-like repeat-containing protein
13411398	2.71	3.47	-1.69	0.176453	0.492859	LEA	dehydrin LEA
13361051	2.71	3.49	-1.72	0.043656	0.372891	CYP79C1	cytochrome P450, family 79, subfamily C, polypeptide 1
13401327	2.71	3.49	-1.72	0.481033	0.652645	EDA12	embryo sac development arrest 12 protein
13381788	2.71	3.53	-1.76	0.038305	0.363017	AT1G61105	Toll-Interleukin-Resistance (TIR) domain-containing protein
13394463	2.71	3.61	-1.86	0.051403	0.382129	AT2G19050	GDSL esterase/lipase
13344826	2.71	3.67	-1.95	0.144842	0.470007	MYB117	myb domain protein 117
13522706	2.71	3.68	-1.96	0.004449	0.262292	AT5G06530	ABC transporter G family member 22
13354244	2.71	3.74	-2.05	0.268082	0.546624	AT1G61920	hypothetical protein
13468466	2.71	3.78	-2.11	0.137099	0.46568	AT4G14358	hypothetical protein
13443496	2.71	3.8	-2.13	0.358603	0.585867	ROXY1	glutaredoxin-C7
13408235	2.71	3.94	-2.35	0.401881	0.606941	AT2G07310	hypothetical protein
13468623	2.71	4.11	-2.64	0.328472	0.574479	AT4G14730	Bax inhibitor-1 family protein

13377429	2.71	4.5	-3.47	0.328575	0.574518	AT1G49490	Pollen-specific leucine-rich repeat extensin-like protein 2
13466847	2.71	5.11	-5.31	0.426515	0.621067	AT4G09784	hypothetical protein
13363321	2.71	5.22	-5.68	0.372098	0.591916	AT1G04684	hypothetical protein
13395922	2.7	2	1.63	0.295676	0.561139		
13359482	2.7	2.11	1.5	0.362882	0.588572	AT1G75600	histone H3
13500779	2.7	2.21	1.41	0.44187	0.630553	AT5G12960	hypothetical protein
13469203	2.7	2.32	1.3	0.340265	0.578077	AT4G15710	hypothetical protein
13460844	2.7	2.37	1.26	0.124422	0.453788	AT3G56670	hypothetical protein
13511371	2.7	2.46	1.18	0.301315	0.563858	AT5G46680	pentatricopeptide repeat-containing protein
13542744	2.7	2.48	1.16	0.058369	0.393329	AT5G63070	40S ribosomal protein S15-6
13475331	2.7	2.53	1.13	0.379899	0.595501	AT4G29760	hypothetical protein
13425970	2.7	2.53	1.12	0.622141	0.748176	AT3G09035	concanavalin A-like lectin
13385400	2.7	2.61	1.07	0.178127	0.494072	AT1G69570	Dof zinc finger protein DOF1.10
13411387	2.7	2.64	1.05	0.885339	0.930081	CHR34	chromatin remodeling 34
13488895	2.7	2.64	1.04	0.599261	0.731685	AT4G24410	hypothetical protein
13505577	2.7	2.64	1.04	0.891142	0.933125	AT5G25260	Flotillin-like protein 2
13446376	2.7	2.68	1.01	0.942732	0.965716	AT3G08000; SCPL27	RNA recognition motif-containing protein; hydroxymandelonitrile lyase
13359844	2.7	2.73	-1.02	0.883213	0.928736	AT1G76570	putative chlorophyll a/b-binding protein
13407421	2.7	2.75	-1.03	0.842012	0.900518	AT2G03250	phosphate transporter PHO1-6
13506688	2.7	2.75	-1.03	0.894799	0.935259		
13529280	2.7	2.78	-1.05	0.597138	0.731118	AT5G22180	hypothetical protein
13413442	2.7	2.78	-1.06	0.773176	0.852053	AT2G26860	FBD-associated F-box protein
13383694	2.7	2.81	-1.08	0.718737	0.815257	AT1G65810	DNA helicase domain-containing protein
13401909	2.7	2.8	-1.08	0.701853	0.803774	AT2G37370	hypothetical protein
13498077	2.7	2.83	-1.09	0.059651	0.395062	AT5G05720	RNA recognition motif-containing protein
13504472	2.7	2.85	-1.11	0.220368	0.52188	AT5G22430	Pollen Ole e 1 allergen and extensin family protein
13401929	2.7	2.87	-1.12	0.346211	0.58045	AT2G37380	hypothetical protein
13398320	2.7	2.89	-1.13	0.209841	0.515017	AT2G28580	hypothetical protein
13353092	2.7	2.89	-1.14	0.680229	0.788339	AT1G57650	ATP binding protein
13456526	2.7	2.89	-1.14	0.38323	0.597526	AT3G45820	hypothetical protein
13352096	2.7	2.92	-1.16	0.710512	0.809557	AT1G54400	alpha-crystallin domain of heat shock protein-containing protein
13487103	2.7	2.97	-1.21	0.512947	0.674211	AT4G19985	GCN5-related N-acetyltransferase (GNAT) family protein
13395791	2.7	2.98	-1.22	0.637725	0.758872	AT2G22155	hypothetical protein
13498408	2.7	3.01	-1.24	0.570632	0.713022	AGL96	protein agamous-like 96
13497445	2.7	3.03	-1.26	0.074727	0.410456	AT5G04390	C2H2-type zinc finger protein
13456561	2.7	3.06	-1.28	0.190704	0.50408	CRK4	cysteine-rich receptor-like protein kinase 4
13391708	2.7	3.07	-1.29	0.154925	0.477973	AT2G04810	hypothetical protein
13354130	2.7	3.1	-1.33	0.170559	0.488651	ENT7	equilibrative nucleoside transporter 7
13395737	2.7	3.14	-1.36	0.582974	0.722286	AT2G22050	F-box/kelch-repeat protein
13466921	2.7	3.18	-1.39	0.107096	0.439338	HSD5	hydroxysteroid dehydrogenase 5
13375297	2.7	3.18	-1.4	0.145932	0.470556	AT1G33870	putative avirulence-responsive protein
13363449	2.7	3.2	-1.42	0.17006	0.48812	SPS3F	sucrose-phosphate synthase
13424064	2.7	3.24	-1.45	0.129061	0.459248	AT3G04250	F-box associated ubiquitination effector family protein
13465719	2.7	3.27	-1.48	0.110906	0.442308	AT4G04750	sugar transporter ERD6-like 14

13373142	2.7	3.31	-1.53	0.178845	0.494636	AT1G28020	pentatricopeptide repeat-containing protein
13544045	2.7	3.32	-1.54	0.416161	0.615467	ATSAC1B	Phosphoinositide phosphatase-like protein
13537370	2.7	3.35	-1.56	0.199276	0.5087	AT5G49334	hypothetical protein
13435377	2.7	3.35	-1.57	0.092089	0.429607	AT3G44240	putative CCR4-associated factor 1-8
13376959	2.7	3.36	-1.59	0.545468	0.696124	AT1G48400	F-box/RNI-like/FBD-like domain-containing protein
13529414	2.7	3.41	-1.64	0.073439	0.409582	AT5G22460	esterase/lipase/thioesterase family protein
13392198	2.7	3.42	-1.65	0.206947	0.513335	AT2G07362	hypothetical protein
13423042	2.7	3.43	-1.66	0.079079	0.414078	AT3G01830; AT3G01840	putative calcium-binding protein CML40; protein kinase domain-containing protein
13499790	2.7	3.58	-1.84	0.125819	0.454938	FD4	ferredoxin
13528661	2.7	3.59	-1.86	0.040229	0.365591	AT5G20370	serine-rich protein-like protein
13402632	2.7	3.65	-1.93	0.029364	0.348027	PIP2E	putative aquaporin PIP2-6
13466997	2.7	3.69	-1.99	0.059293	0.39493	AT4G10160	E3 ubiquitin-protein ligase ATL59
13470543	2.7	3.82	-2.17	0.481421	0.652743	OFP5	ovate family protein 5
13431561	2.7	3.83	-2.19	0.341788	0.578744	HYR1	UDP-glycosyltransferase-like protein
13352634	2.7	3.86	-2.23	0.391564	0.600852	PRA1.G1	PRA1 family protein G1
13433823	2.7	3.91	-2.31	0.019434	0.321499	AT3G27250	hypothetical protein
13368174	2.7	3.92	-2.33	0.339984	0.578031	AT1G14930	major latex-related protein
13523729	2.7	4.03	-2.51	0.190902	0.504163	AT5G09210	GC-rich sequence DNA-binding factor-like protein
13491343	2.7	4.04	-2.52	0.293014	0.559559	AT4G29980	hypothetical protein
13389545	2.7	4.06	-2.56	0.287566	0.557153	AT1G79480	carbohydrate-binding X8 domain-containing protein
13456284	2.7	4.14	-2.72	0.339572	0.577996	AT3G45200	hypothetical protein
13450819	2.7	4.35	-3.14	0.366555	0.590194	AT3G18282	hypothetical protein
13421199	2.7	4.81	-4.32	0.002474	0.253459	AT2G44290	xylogen-like protein 10
13493256	2.7	4.87	-4.5	0.181391	0.49681	AT4G33870	putative peroxidase 48
13392214	2.7	5.38	-6.4	0.164843	0.485892	AT2G07673	hypothetical protein
13506216	2.69	2.18	1.43	0.262823	0.543826	AT5G26912	hypothetical protein
13528507	2.69	2.26	1.34	0.170673	0.488769	AT5G20030	Plant Tudor-like RNA-binding protein
13357038	2.69	2.3	1.31	0.094296	0.430944	AT1G69523	S-adenosylmethionine-dependent methyltransferase domain-containing protein
13484380	2.69	2.31	1.31	0.274475	0.550583	AT4G14165	F-box family protein-like protein
13422814	2.69	2.36	1.25	0.723879	0.818977	AT3G01326	ECA1 gametogenesis related family protein
13434510	2.69	2.47	1.16	0.015732	0.315212	AT3G29080	hypothetical protein
13409185	2.69	2.49	1.14	0.341087	0.578491	AT2G16190	hypothetical protein
13353159	2.69	2.51	1.13	0.802568	0.872671	AT1G57850	Toll-Interleukin-Resistance domain-containing protein
13412034	2.69	2.51	1.13	0.525156	0.682587	MES19	methyl esterase 19
13410201	2.69	2.53	1.11	0.517413	0.677069	AT2G18920	hypothetical protein
13440185	2.69	2.54	1.11	0.447365	0.634246	AT3G56390	hypothetical protein
13519538	2.69	2.56	1.1	0.722141	0.817617	AGL31	agamous-like MADS-box protein AGL31
13361892	2.69	2.59	1.07	0.839539	0.898848	AT1G01150	Homeodomain-like protein with RING/FYVE/PHD-type zinc finger domain
13418848	2.69	2.62	1.05	0.796421	0.868887	CCR2	serine/threonine-protein kinase-like protein CCR2
13534171	2.69	2.78	-1.06	0.636129	0.758115	AT5G41310	P-loop nucleoside triphosphate hydrolases superfamily protein with CH (Calponin Homology) domain

13426679	2.69	2.8	-1.08	0.64523	0.763764	AT3G11000	DCD (Development and Cell Death) domain protein
13530452	2.69	2.8	-1.08	0.639647	0.760106	AT5G24600	hypothetical protein
13336879	2.69	2.82	-1.09	0.720393	0.816682	NDA1	alternative NAD(P)H dehydrogenase 1
13456685	2.69	2.86	-1.13	0.523241	0.681319	AT3G46240	hypothetical protein
13466225	2.69	2.86	-1.13	0.371626	0.591916	AT4G08097	hypothetical protein
13456451	2.69	2.88	-1.14	0.630304	0.754027		
13509762	2.69	2.89	-1.15	0.194205	0.505856	AT5G42700	AP2/B3 domain-containing protein
13504889	2.69	2.91	-1.16	0.342667	0.579024	AT5G23400	leucine-rich repeat-containing protein
13356300	2.69	2.91	-1.17	0.086345	0.421806	TEL2	terminal EAR1-like 2 protein
13417793	2.69	2.93	-1.18	0.755725	0.840174	UGT73C2	UDP-glucosyl transferase 73C
13391027	2.69	2.94	-1.19	0.175615	0.492343	AT2G03000	RING/U-box domain-containing protein
13379422	2.69	2.97	-1.21	0.283229	0.55586	AT1G54280	phospholipid-transporting ATPase 6
13467449	2.69	3	-1.24	0.429599	0.622806	AT4G11393	putative defensin-like protein 202
13514416	2.69	3	-1.24	0.493296	0.660539	AT5G53380	O-acyltransferase (WSD1-like) family protein
13435191	2.69	3.02	-1.26	0.547566	0.697758	AT3G43710	putative F-box/kelch-repeat protein
13497279	2.69	3.1	-1.32	0.086648	0.422315	GLU1	ferredoxin-dependent glutamate synthase 1
13414541	2.69	3.1	-1.33	0.574574	0.716032	GSTU4	glutathione S-transferase
13457962	2.69	3.11	-1.34	0.417661	0.616073	ACS9	1-aminocyclopropane-1-carboxylate synthase 9
13369726	2.69	3.12	-1.35	0.310727	0.566973	AT1G18410	SMC and kinesin motor domain-containing protein
13356058	2.69	3.13	-1.36	0.120649	0.452158	AT1G67180	RING-finger and BRCT domain-containing protein
13531150	2.69	3.14	-1.37	0.543015	0.69434	AT5G26130	SCP-like extracellular protein domain-containing protein
13451042	2.69	3.15	-1.38	0.217526	0.520618	AT3G18810	protein kinase family protein
13428890	2.69	3.19	-1.41	0.435013	0.626372	AT3G16020	F-box associated ubiquitination effector protein
13485514	2.69	3.19	-1.42	0.153594	0.476521	AT4G16560	HSP20-like chaperone
13489933	2.69	3.21	-1.44	0.047974	0.37767	CBL7	calcineurin B-like protein 7
13542515	2.69	3.22	-1.45	0.090236	0.427018	MYB96	myb domain protein 96
13505863	2.69	3.31	-1.54	0.274237	0.550583		
13533120	2.69	3.37	-1.6	0.430998	0.623682	AT5G37900	E3 ubiquitin-protein ligase SINA-like 8
13392847	2.69	3.39	-1.62	0.133958	0.463251	AT2G14070	wound-responsive protein-like protein
13405657	2.69	3.44	-1.68	0.353416	0.583687	AT2G46160	RING-H2 finger protein ATL67
13361807	2.69	3.45	-1.69	0.057994	0.392874	NGA3	B3 domain-containing transcription factor NGA3
13484876	2.69	3.48	-1.72	0.304537	0.564977	AT4G15061	hypothetical protein
13379134	2.69	3.49	-1.74	0.019598	0.322502	AT1G53633	hypothetical protein
13506941	2.69	3.5	-1.76	0.271828	0.548926	AT5G28720	hypothetical protein
13506725	2.69	3.53	-1.8	0.155972	0.478792	WPP3	WPP domain-containing protein 3
13514842	2.69	3.58	-1.86	0.297019	0.562225	AT5G54220	defensin-like protein 69
13474937	2.69	3.6	-1.88	0.458878	0.640177	AT4G28815	transcription factor bHLH127
13450094	2.69	3.6	-1.89	0.526473	0.683698	AT3G16160	Tesmin/TSO1-like CXC domain-containing protein
13545124	2.69	3.69	-2	0.497107	0.663374	ArthMp023	hypothetical protein
13534048	2.69	3.78	-2.14	0.064226	0.400717	AT5G40855	hypothetical protein
13391271	2.69	3.81	-2.18	0.401998	0.606957	AT2G03630	hypothetical protein

13411139	2.69	3.9	-2.32	0.262087	0.543595	AT2G20870	putative cell wall protein
13349003	2.69	3.96	-2.41	0.013259	0.306557	AT1G45191	beta-glucosidase 1
13431602	2.69	4.04	-2.55	0.416504	0.615562	AT3G21920; AT3G21930	cysteine-rich repeat secretory protein 18; putative cysteine-rich repeat secretory protein 19
13530642	2.69	4.06	-2.58	0.037769	0.362096	CRY3	cryptochrome DASH
13354108	2.69	4.1	-2.66	0.148376	0.471967	AT1G61540	putative F-box/kelch-repeat protein
13364229	2.69	4.12	-2.71	0.072463	0.408352	GPAT1	glycerol-3-phosphate acyltransferase 1
13474379	2.69	4.14	-2.75	0.360766	0.587499		
13351333	2.69	4.72	-4.08	0.006522	0.282667	AT1G52690	late embryogenesis abundant domain-containing protein
13481943	2.69	4.73	-4.13	0.301627	0.563858	AT4G05350	RING/U-box domain-containing protein
13450469	2.69	4.74	-4.15	0.194563	0.505856	AT3G17225	plant invertase/pectin methylesterase inhibitor domain-containing protein
13462120	2.69	5.27	-5.99	0.004793	0.265992	AT3G59710	Rossmann-fold NAD(P)-binding domain-containing protein
13381128	2.69	6.08	-10.45	0.126697	0.456265	AT1G59930	MADS-box family protein
13534712	2.68	2.21	1.38	0.236916	0.531077	COR27	cold regulated protein 27
13476178	2.68	2.35	1.25	0.135356	0.464154	AT4G31740	sec1/munc18-like (SM) family protein
13478735	2.68	2.43	1.19	0.022572	0.327966	AT4G37235	hypothetical protein
13459119	2.68	2.43	1.19	0.385612	0.598207	AT3G52530	protein kinase family protein
13473892	2.68	2.46	1.17	0.349092	0.581167	OPT5	oligopeptide transporter 5
13435052	2.68	2.47	1.15	0.47312	0.648252	AT3G43180	RING/U-box domain-containing protein
13448006	2.68	2.64	1.03	0.87414	0.92218	AT3G11773	electron carrier/ protein disulfide oxidoreductase
13334277	2.68	2.66	1.02	0.959408	0.975969	AT1G01310; AT1G01320	allergen V5/Tpx-1-related family protein; tetratricopeptide repeat-containing protein
13355001	2.68	2.67	1.01	0.921626	0.952604	AT1G64255	MuDR family transposase
13412893	2.68	2.67	1.01	0.927045	0.955975	SCRL17	putative defensin-like protein 239
13444431	2.68	2.67	1.01	0.9237	0.954007	AT3G04210	TIR-NBS class disease resistance protein
13383682	2.68	2.72	-1.03	0.881025	0.927171	AMR1	ascorbic acid mannose pathway regulator 1
13533543	2.68	2.72	-1.03	0.848945	0.904851	AT5G39460	F-box protein
13439469	2.68	2.76	-1.05	0.43035	0.62323	AT3G54800	Pleckstrin homology (PH) and lipid-binding START domain-containing protein
13442258	2.68	2.83	-1.1	0.64777	0.765584	SYP73	syntaxin-73
13518025	2.68	2.82	-1.1	0.386705	0.598595	AT5G61720	hypothetical protein
13414262	2.68	2.84	-1.11	0.39438	0.602714	EXO70H8	exocyst complex component 7
13336445	2.68	2.85	-1.12	0.83189	0.893627	ORA59	ethylene-responsive transcription factor ERF094
13401385	2.68	2.84	-1.12	0.249783	0.537218	AT2G36053	hypothetical protein
13410871	2.68	2.86	-1.13	0.371355	0.591914	RIC6	ROP-interactive CRIB motif-containing protein 6
13367697	2.68	2.88	-1.14	0.821636	0.885852	AT1G14048	GCK domain-containing protein
13418573	2.68	2.9	-1.16	0.748317	0.834893	AT2G38465	hypothetical protein
13511027	2.68	2.94	-1.2	0.547065	0.697354	RLP55	receptor like protein 55
13489414	2.68	2.96	-1.21	0.052581	0.382994	AT4G25386	hypothetical protein
13387946	2.68	2.97	-1.22	0.051426	0.382129	AT1G76110	high mobility group-box and ARID domain-binding domain-containing protein
13354510	2.68	2.98	-1.24	0.243368	0.534445	AT1G62900	S-adenosyl-L-methionine-dependent methyltransferase-like protein

13461747	2.68	2.99	-1.24	0.355692	0.584584	CSY1	citrate synthase 1
13432693	2.68	3	-1.25	0.263611	0.544692	AT3G24230	putative pectate lyase 9
13335546	2.68	3.02	-1.27	0.269269	0.547787	AT1G03990	Long-chain fatty alcohol dehydrogenase-like protein
13396266	2.68	3.02	-1.27	0.517557	0.677142	AT2G23160	F-box protein
13538529	2.68	3.03	-1.28	0.337895	0.57729	AT5G52020	ethylene-responsive transcription factor ERF025
13462598	2.68	3.08	-1.32	0.294271	0.560481	AT3G60920	hypothetical protein
13422721	2.68	3.11	-1.35	0.323304	0.572482	AT3G01085	protein kinase domain-containing protein
13436894	2.68	3.11	-1.36	0.063395	0.399503	AT3G48230	hypothetical protein
13340070	2.68	3.15	-1.39	0.383641	0.597744	AT1G14500	ankyrin repeats-containing protein
13370647	2.68	3.17	-1.4	0.036537	0.359373	AT1G20870	alpha-crystallin domain of heat shock protein-containing protein
13384045	2.68	3.17	-1.4	0.053173	0.383613	AT1G66650	E3 ubiquitin-protein ligase SINA-like 4
13535987	2.68	3.18	-1.41	0.105603	0.437428	AT5G45880	pollen_Ole_e_I-domain containing protein
13437370	2.68	3.19	-1.43	0.170142	0.48812	iqd21	protein IQ-domain 21
13511111	2.68	3.2	-1.43	0.284137	0.556096	AT5G46060	hypothetical protein
13393152	2.68	3.23	-1.46	0.079052	0.414078	NRPE3B	DNA-directed RNA polymerase II subunit RPB3-B
13400712	2.68	3.26	-1.49	0.101216	0.434782	AT2G34620	transcription termination factor-like protein
13452393	2.68	3.25	-1.49	0.500168	0.665161	AT3G21660	UBX domain-containing protein
13381819	2.68	3.27	-1.5	0.554075	0.702281	AT1G61160	hypothetical protein
13341795	2.68	3.33	-1.56	0.280966	0.554564	TET16	tetraspanin 16
13468163	2.68	3.33	-1.57	0.435772	0.626947		
13458968	2.68	3.37	-1.6	0.086194	0.421503	KCS15	3-ketoacyl-CoA synthase 15
13396440	2.68	3.41	-1.66	0.533708	0.688184	AT2G23830	vesicle-associated membrane protein-like protein
13384927	2.68	3.5	-1.77	0.112536	0.443735	AT1G68450	VQ motif-containing protein
13385707	2.68	3.56	-1.84	0.220521	0.521956	AT1G70380	putative F-box protein
13518531	2.68	3.6	-1.88	0.303185	0.564046	AT5G62780	chaperone DnaJ-domain containing protein
13470291	2.68	3.64	-1.93	0.06506	0.401596	AT4G18282	hypothetical protein
13471925	2.68	3.65	-1.95	0.419896	0.61724	CPK15	calcium-dependent protein kinase 15
13398511	2.68	3.76	-2.12	0.2219	0.523097	AT2G29180	hypothetical protein
13535081	2.68	3.85	-2.24	0.107326	0.4394	AT5G43755	hypothetical protein
13532646	2.68	3.92	-2.36	0.350906	0.582019	AT5G36662; AT5G36739	ECA1 gametogenesis related family protein
13532693	2.68	3.92	-2.36	0.350906	0.582019	AT5G36662; AT5G36739	ECA1 gametogenesis related family protein
13490705	2.68	3.97	-2.44	0.416884	0.61571	sks10	SKU5 similar 10 protein
13452269	2.68	4	-2.5	0.034952	0.355472	DXPS1	1-deoxy-D-xylulose 5-phosphate synthase 1
13378972	2.68	4.23	-2.93	0.303438	0.564135	AT1G53260	hypothetical protein
13503067	2.68	4.46	-3.42	0.355531	0.584538	AT5G18636	hypothetical protein
13505388	2.67	1.79	1.84	0.105268	0.43719	AT5G24640	hypothetical protein
13508058	2.67	2.2	1.39	0.003162	0.253459	AT5G38386	putative F-box/LRR-repeat protein
13516820	2.67	2.31	1.29	0.290058	0.558224	AT5G58770	dehydrodolichyl diphosphate synthase 2
13416804	2.67	2.38	1.23	0.415198	0.614362	AT2G34530	hypothetical protein
13533853	2.67	2.39	1.22	0.493174	0.660407	MYB24	myb domain protein 24
13517813	2.67	2.44	1.17	0.460493	0.641655	AT5G61200	hypothetical protein
13403667	2.67	2.56	1.07	0.623073	0.748884	AT2G41231; AT2G41230	hypothetical protein

13536369	2.67	2.58	1.06	0.664461	0.77713	AT5G46915	transducin/WD40 domain-containing protein
13354948	2.67	2.59	1.05	0.296097	0.561293	RLM1	TIR-NBS-LRR class disease resistance protein
13374475	2.67	2.59	1.05	0.634306	0.756757	AT1G31400	TRAF-like domain-containing protein
13378121	2.67	2.61	1.04	0.921966	0.952767	AT1G51240	Plant self-incompatibility protein S1 family
13355496	2.67	2.68	-1.01	0.921048	0.952352	AT1G65450	HXXXD-type acyl-transferase-like protein
13439342	2.67	2.74	-1.04	0.780956	0.857453	RPB5E	RNA polymerase II fifth largest subunit, E
13378012	2.67	2.75	-1.06	0.908494	0.944338	AT1G50720	stigma-specific stig1-like protein
13475597	2.67	2.76	-1.06	0.146092	0.470765	AT4G30540	class I glutamine amidotransferase domain-containing protein
13372732	2.67	2.79	-1.08	0.690015	0.79511	SDG35	SET domain protein 35
13420279	2.67	2.81	-1.1	0.461251	0.642085	UVI4	uv-b-insensitive 4
13405211	2.67	2.87	-1.15	0.089146	0.426142	AT2G45120	C2H2-like zinc finger protein
13402791	2.67	2.91	-1.18	0.543297	0.694489	AT2G39540	gibberellin-regulated protein
13473995	2.67	2.92	-1.19	0.18101	0.496382	AT4G26790	GDSL esterase/lipase
13505955	2.67	2.93	-1.2	0.028145	0.345227	AT5G26300	TRAF-like family protein
13501444	2.67	2.93	-1.2	0.140103	0.466502	MYB40	myb domain protein 40
13438623	2.67	2.94	-1.21	0.525198	0.682587	AT3G52670	FBD-associated F-box protein
13415021	2.67	2.99	-1.25	0.044331	0.374445	AT2G30630	nucleoside/nucleotide kinase-like protein
13480555	2.67	2.99	-1.25	0.132922	0.462568		
13359935	2.67	3	-1.26	0.25853	0.541251	AT1G76740	hypothetical protein
13379290	2.67	3.01	-1.27	0.048004	0.37767	AT1G53930	ubiquitin-like protein
13414670	2.67	3.02	-1.27	0.658022	0.773531	AT2G29860	putative F-box/kelch-repeat protein
13480476	2.67	3.01	-1.27	0.664307	0.777046	AT4G01230	reticulon-like protein B7
13458304	2.67	3.03	-1.29	0.243127	0.534289	MES10	methyl esterase 10
13520194	2.67	3.04	-1.29	0.130566	0.460628	AT5G66580	hypothetical protein
13457417	2.67	3.04	-1.3	0.11314	0.444281	AT3G48200	hypothetical protein
13514138	2.67	3.06	-1.31	0.044379	0.374597	AT5G52800; AT5G52810	DNA primase; Rossmann-fold NAD(P)-binding domain-containing protein
13473354	2.67	3.08	-1.33	0.511165	0.672866	AT4G25330	hypothetical protein
13349451	2.67	3.09	-1.34	0.098966	0.433702	PER1	1-Cys peroxiredoxin PER1
13487098	2.67	3.11	-1.36	0.116243	0.446833	AT4G19925	Toll-Interleukin-Resistance domain-containing protein
13508666	2.67	3.12	-1.37	0.109148	0.440715	MYB115	myb domain protein 115
13354662	2.67	3.15	-1.4	0.619704	0.746722	AT1G63280	Serine protease inhibitor (SERPIN) family protein
13462422	2.67	3.18	-1.42	0.039901	0.365591	AT3G60286	hypothetical protein
13375240	2.67	3.19	-1.43	0.372031	0.591916		
13356775	2.67	3.23	-1.47	0.12842	0.458597	AT1G68890	2-oxoglutarate decarboxylase/ hydro-lyase/ magnesium ion binding protein
13532227	2.67	3.26	-1.5	0.387268	0.598693	AT5G35405	hypothetical protein
13421783	2.67	3.32	-1.57	0.234318	0.529573	AT2G45850	AT hook motif DNA-binding family protein
13484649	2.67	3.32	-1.57	0.094862	0.431276	AT4G14650	hypothetical protein
13400291	2.67	3.36	-1.62	0.418264	0.616376	AT2G33520	hypothetical protein
13345178	2.67	3.45	-1.71	0.189413	0.503111	AT1G27570	phosphatidylinositol 3- and 4-kinase-like protein
13534331	2.67	3.5	-1.77	0.120814	0.45228	AT5G41730	protein kinase-like protein
13490313	2.67	3.53	-1.82	0.445297	0.632916	SPL	sporocyteless (SPL)
13530813	2.67	3.69	-2.03	0.368061	0.590874	AT5G25320	ACT domain-containing protein
13468151	2.67	3.8	-2.18	0.158756	0.481364	AT4G13390	Proline-rich extensin-like family protein

13359156	2.67	3.86	-2.27	0.157999	0.480485	CYP98A9	p-coumarate 3-hydroxylase
13357000	2.67	3.9	-2.36	0.246102	0.535608	AT1G69430	hypothetical protein
13407078	2.67	3.97	-2.46	0.123782	0.453788	GAD4	glutamate decarboxylase 4
13459178	2.67	4.15	-2.78	0.049733	0.379003	ACA1	carbonic anhydrase
13459586	2.67	4.16	-2.83	0.381672	0.596628	CHX20	cation/H(+) antiporter 20
13412311	2.67	4.62	-3.85	0.11493	0.446247	ALDH11A3	NADP-dependent glyceraldehyde-3-phosphate dehydrogenase
13348216	2.67	4.82	-4.47	0.281345	0.554599	AT1G36100	myosin heavy chain-like protein
13421100	2.66	2.29	1.29	0.50808	0.671136	AT2G44070	translation initiation factor eIF-2B delta subunit
13385857	2.66	2.34	1.24	0.255948	0.54042	MLP28	MLP-like protein 28
13455957	2.66	2.52	1.1	0.761512	0.84372	AT3G44260	putative CCR4-associated factor 1-9
13524795	2.66	2.54	1.09	0.84837	0.904542	AT5G11410	protein kinase family protein
13392500	2.66	2.54	1.08	0.737622	0.828047	AT2G10965	hypothetical protein
13400551	2.66	2.61	1.03	0.821133	0.885593	AT2G34240	hypothetical protein
13486416	2.66	2.65	1.01	0.870845	0.919757	AT4G18110	RING/U-box domain-containing protein
13405835	2.66	2.7	-1.03	0.843967	0.901528	AT2G46460	RING/U-box family protein
13488205	2.66	2.71	-1.03	0.895986	0.936003	AT4G22830	hypothetical protein
13450636	2.66	2.71	-1.04	0.73863	0.828482	IAA31	auxin-responsive protein IAA31
13514542	2.66	2.72	-1.04	0.729099	0.822506	OPT8	oligopeptide transporter 8
13452009	2.66	2.73	-1.05	0.817718	0.883494	LCR56	putative defensin-like protein 120
13531613	2.66	2.73	-1.05	0.344253	0.57939	AT5G27870	pectinesterase 28
13482378	2.66	2.75	-1.06	0.590769	0.727202	AT4G08874	hypothetical protein
13345884	2.66	2.76	-1.07	0.748521	0.835024	AT1G29570	putative zinc finger CCCH domain-containing protein 9
13473659	2.66	2.84	-1.14	0.386974	0.598595	AT4G26030	C2H2-like zinc finger protein
13487382	2.66	2.85	-1.14	0.681398	0.788759	AT4G20920	double-stranded RNA-binding domain (DsRBD)-containing protein
13420726	2.66	2.86	-1.15	0.407736	0.610439	AT2G43270	F-box/kelch-repeat protein
13387421	2.66	2.95	-1.22	0.42223	0.618427	AT1G74875	hypothetical protein
13426362	2.66	2.98	-1.25	0.26136	0.543266	AT3G10240	putative F-box protein
13366362	2.66	2.99	-1.26	0.149976	0.47284	AT1G10770	plant invertase/pectin methylesterase inhibitor domain-containing protein
13354682	2.66	3.03	-1.29	0.52823	0.68517	AT1G63400	pentatricopeptide repeat-containing protein
13477021	2.66	3.05	-1.32	0.288493	0.557599	AT4G33390	hypothetical protein
13431312	2.66	3.07	-1.33	0.145795	0.470399	AT3G20966	hypothetical protein
13360557	2.66	3.14	-1.4	0.344511	0.579586	PUM7	pumilio 7
13401445	2.66	3.15	-1.4	0.082045	0.417191	AT2G36295	hypothetical protein
13427926	2.66	3.14	-1.4	0.389229	0.599658	GRF5	growth-regulating factor 5
13531232	2.66	3.17	-1.42	0.257677	0.541251	AT5G26700	putative germin-like protein subfamily 2 member 5
13378530	2.66	3.18	-1.43	0.045327	0.375052	AT1G52110	jacalin-like lectin domain-containing protein
13351042	2.66	3.2	-1.45	0.245378	0.535223	AT1G51913	hypothetical protein
13412640	2.66	3.22	-1.48	0.109383	0.440715	AT2G25130	armadillo/beta-catenin-like repeats-containing protein
13368611	2.66	3.24	-1.49	0.487223	0.656578	NRAMP6; CCR1	metal transporter Nramp6; cinnamoyl coa reductase 1
13518196	2.66	3.31	-1.58	0.278359	0.552993	AT5G62040	protein BROTHER of FT and TFL 1
13348799	2.66	3.39	-1.66	0.39678	0.604163	AT1G44674	hypothetical protein

13478732	2.66	3.43	-1.71	0.009228	0.296261	AT4G37230	photosystem II manganese-stabilising protein (PsbO)
13523820	2.66	3.51	-1.8	0.200765	0.509845	LAC14	laccase 14
13434996	2.66	3.51	-1.81	0.177613	0.493515	AT3G42786	hypothetical protein
13458685	2.66	3.54	-1.84	0.143691	0.469269	AT3G51410	hypothetical protein
13401334	2.66	3.66	-2	0.014478	0.313095	NHL12	NDR1/HIN1-like 12 protein
13472084	2.66	3.67	-2.02	0.333454	0.576298	AT4G22520	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13384954	2.66	3.7	-2.06	0.064276	0.400717	KCS6	3-ketoacyl-CoA synthase 6
13372666	2.66	3.75	-2.12	0.479899	0.652001	AT1G26510	F-box domain-containing protein
13484325	2.66	3.78	-2.17	0.347216	0.58045	AT4G14104; AT4G14105; AT4G14103	hypothetical protein; F-box/LRR-repeat protein
13406413	2.66	3.82	-2.23	0.392838	0.601749	TSPO	tryptophan-rich sensory protein-like protein
13474801	2.66	3.86	-2.3	0.216495	0.519792	TYRDC	tyrosine decarboxylase
13355103	2.66	4.01	-2.54	0.271137	0.548783	AT1G64500	glutaredoxin-like protein
13408535	2.66	4	-2.54	0.050647	0.381157	AT2G11623	hypothetical protein
13455440	2.66	4.17	-2.86	0.36657	0.590194	AT3G32200	hypothetical protein
13426807	2.66	4.52	-3.62	0.297419	0.56231	AT3G11385	cysteine/histidine-rich C1 domain-containing protein
13452712	2.66	4.55	-3.68	0.218143	0.520726	AT3G22820	epidermal patterning factor-like protein 5
13382604	2.65	2.28	1.29	0.035663	0.356207	AT1G63200	cystatin-related domain protein
13532109	2.65	2.31	1.27	0.048594	0.377745	AT5G35050	hypothetical protein
13422655	2.65	2.36	1.22	0.562575	0.707644	AT2G48090	hypothetical protein
13512979	2.65	2.41	1.18	0.253403	0.539247	AT5G50115	hypothetical protein
13504535	2.65	2.44	1.16	0.620737	0.747434	AT5G22600	FBDand leucine rich repeat domain-containing protein
13408142	2.65	2.47	1.13	0.538885	0.691818	AT2G06541	TTF-type zinc finger protein with HAT dimerisation domain
13467781	2.65	2.49	1.12	0.190397	0.503959	AT4G12382	F-box family protein
13465045	2.65	2.57	1.06	0.6326	0.755257	AT4G02650	putative clathrin assembly protein
13405643	2.65	2.61	1.03	0.807958	0.876927	WRKY43	WRKY DNA-binding protein 43
13344412	2.65	2.61	1.02	0.847777	0.904145	AT1G25211; AT1G25150; AT1G24881; AT1G25055; AT1G24800	F-box protein; F-box family protein
13394988	2.65	2.62	1.02	0.835168	0.895812	AT2G20362	hypothetical protein
13501868	2.65	2.62	1.02	0.896164	0.93612	AT5G15581	hypothetical protein
13344589	2.65	2.69	-1.03	0.799449	0.870933	AT1G26220	Acyl-CoA N-acyltransferase domain-containing protein
13336165	2.65	2.7	-1.04	0.22938	0.526986	BT3	BTB and TAZ domain protein 3
13334833	2.65	2.72	-1.05	0.833668	0.894712	AT1G02350	protoporphyrinogen oxidase-like protein
13381932	2.65	2.72	-1.05	0.771189	0.850913	AT1G61460	putative S-locus protein kinase
13541575	2.65	2.73	-1.06	0.607523	0.737689	AT5G60060	hypothetical protein
13383874	2.65	2.74	-1.07	0.761681	0.843809	AT1G66210	Subtilisin-like serine endopeptidase family protein
13536205	2.65	2.79	-1.1	0.814936	0.881722	AT5G46320	MADS-box family protein
13461083	2.65	2.8	-1.11	0.287794	0.557356	BPG2	GTP binding protein
13543771	2.65	2.81	-1.12	0.359307	0.586108	CYCD4;1	cyclin-D4-1

13378865	2.65	2.83	-1.13	0.612806	0.741815	GPCR	G protein coupled receptor
13383055	2.65	2.84	-1.14	0.469585	0.646573	AT1G64195	defensin-like protein 35
13459322	2.65	2.86	-1.16	0.10089	0.434702	AT3G53010	hypothetical protein
13342971	2.65	2.98	-1.26	0.463086	0.643087	YUC11	flavin-containing monooxygenase-like protein
13467766	2.65	3	-1.28	0.355938	0.584638	AT4G12280	copper amine oxidase family protein
13409733	2.65	3.02	-1.29	0.055871	0.388357	AT2G17600	cysteine/histidine-rich C1 domain-containing protein
13482834	2.65	3.02	-1.29	0.399261	0.605217	AT4G10440	putative methyltransferase PMT17
13423678	2.65	3.04	-1.31	0.414744	0.614208	AT3G03280	hypothetical protein
13524430	2.65	3.04	-1.31	0.196838	0.507617	AT5G10504	hypothetical protein
13398608	2.65	3.06	-1.33	0.255819	0.540325	HAI3	putative protein phosphatase 2C 24
13375267	2.65	3.07	-1.34	0.45044	0.635767	CYP76C6	cytochrome P450, family 76, subfamily C, polypeptide 6
13395885	2.65	3.07	-1.34	0.202796	0.510485	AT2G22440	hypothetical protein
13419089	2.65	3.08	-1.34	0.413368	0.613726	AT2G39640	glycosyl hydrolase-17
13540799	2.65	3.07	-1.34	0.323612	0.572669	RR18	response regulator 18
13543631	2.65	3.09	-1.36	0.034947	0.355472	AT5G65100	ethylene insensitive 3-like 5 protein
13434338	2.65	3.14	-1.41	0.467655	0.645342	AT3G28630	hypothetical protein
13370267	2.65	3.16	-1.42	0.043268	0.371504	TAF11b	TBP-associated factor 11B
13375964	2.65	3.22	-1.48	0.303677	0.564297	AT1G40390	endonuclease/exonuclease/phosphatase domain-containing protein
13389492	2.65	3.26	-1.52	0.030682	0.350098	02-Oct	organic cation/carnitine transporter 2
13435663	2.65	3.28	-1.55	0.138569	0.46568	CHX4	cation/H(+) antiporter 4
13466223	2.65	3.3	-1.57	0.431108	0.623682	AT4G08073	hypothetical protein
13486725	2.65	3.31	-1.58	0.226278	0.525147	LCR7	putative defensin-like protein 139
13514845	2.65	3.36	-1.63	0.330902	0.575945	LCR83	putative defensin-like protein 70
13437795	2.65	3.39	-1.68	0.131286	0.461229	AT3G50651	hypothetical protein
13360064	2.65	3.41	-1.69	0.176651	0.49304	AT1G77093	defensin-like protein 281
13437809	2.65	3.49	-1.79	0.165299	0.485944	AT3G50751	hypothetical protein
13505047	2.65	3.49	-1.79	0.145574	0.470268	AT5G23730	transducin/WD40 domain-containing protein
13484954	2.65	3.5	-1.81	0.159388	0.481801	ATCSLB05	cellulose synthase-like protein B5
13449828	2.65	3.51	-1.82	0.37373	0.592616	AT3G15570; AT3G15550	Phototropic-responsive NPH3 family protein; hypothetical protein
13425110	2.65	3.53	-1.85	0.461629	0.642455	AT3G06545	hypothetical protein
13454613	2.65	3.69	-2.05	0.100806	0.434702	AT3G27831	putative defensin-like protein 30
13451091	2.65	3.78	-2.18	0.266981	0.546492	AT3G18957	hypothetical protein
13537906	2.65	3.88	-2.33	0.266624	0.546291	NF-YC6	nuclear transcription factor Y subunit C-6
13543304	2.65	3.88	-2.34	0.238982	0.532292	AOX2	alternative oxidase 2
13479248	2.65	3.92	-2.4	0.269909	0.548178	AT4G38560	phospholipase like protein (PEARLI 4)
13532036	2.65	3.96	-2.48	0.349824	0.581507	AT5G33330; CUE1	RNase H domain-containing protein; Glucose-6-phosphate/phosphate translocator-like protein
13344684	2.65	4.09	-2.71	0.389795	0.599941		
13474164	2.65	4.11	-2.76	0.145681	0.470349	SESA3	seed storage albumin 3
13518302	2.65	4.25	-3.04	0.087055	0.422399	IRE	AGC (cAMP-dependent, cGMP-dependent and protein kinase C) kinase family protein
13427306	2.65	4.38	-3.34	0.31084	0.566973	FLA14	fasciclin-like arabinogalactan protein 14
13340057	2.65	4.43	-3.42	0.300123	0.563146	AT1G14430	glyoxal oxidase-related protein
13411277	2.65	4.54	-3.71	0.339561	0.577996	AT2G21237	hypothetical protein

13466108	2.65	4.55	-3.73	0.320281	0.570744	AT4G05632	hypothetical protein
13536794	2.65	4.69	-4.12	0.276027	0.551071	AT5G48050	hypothetical protein
13541641	2.65	4.71	-4.16	0.37327	0.592428	PUM19	pumilio 19
13442646	2.64	2.19	1.37	0.092991	0.429815	AT3G62499	YTH family protein
13515600	2.64	2.35	1.23	0.620962	0.747482	AT5G56070	hypothetical protein
13373265	2.64	2.37	1.2	0.551352	0.700478	AT1G28306	self-incompatibility protein S1 family protein
13410372	2.64	2.49	1.11	0.710485	0.809557		
13416059	2.64	2.49	1.11	0.562887	0.707893	RALFL17	protein ralf-like 17
13341089	2.64	2.6	1.03	0.042617	0.36966	LSH8	hypothetical protein
13475101	2.64	2.62	1.01	0.847206	0.903604	IQD25	protein IQ-domain 25
13427895	2.64	2.67	-1.02	0.92898	0.956907	AT3G13900	phospholipid-translocating ATPase
13336422	2.64	2.69	-1.04	0.933859	0.959989	AT1G06090	delta-9 desaturase-like 1 protein
13426529	2.64	2.7	-1.04	0.882686	0.928511	AT3G10526	hypothetical protein
13482010	2.64	2.69	-1.04	0.788473	0.862924	AT4G06526	nucleic acid binding / zinc ion binding protein
13356365	2.64	2.73	-1.06	0.702914	0.804331	AT1G67875	hypothetical protein
13418138	2.64	2.73	-1.06	0.358022	0.585565	AT2G37360	ABC transporter G family member 2
13365753	2.64	2.82	-1.13	0.720208	0.816505	AT1G09720	kinase interacting (KIP1-like) protein
13536061	2.64	2.83	-1.14	0.335183	0.576654	AT5G46140	hypothetical protein
13478874	2.64	2.86	-1.17	0.410434	0.611777	AT4G37682	hypothetical protein
13338472	2.64	2.88	-1.18	0.383715	0.597749	AT1G10657	hypothetical protein
13463381	2.64	2.89	-1.19	0.286311	0.556958	AT3G62710	glycosyl hydrolase-like protein
13446756	2.64	2.92	-1.22	0.585603	0.724132	AT3G09160	RNA recognition motif-containing protein
13536426	2.64	2.95	-1.24	0.221337	0.522603	LCR20	defensin-like protein 127
13337213	2.64	3.03	-1.31	0.153721	0.476554	AT1G08005	hypothetical protein
13353943	2.64	3.05	-1.33	0.418007	0.616286	TPS04	terpene synthase 04
13462062	2.64	3.05	-1.33	0.445485	0.633151	AT3G59510	leucine-rich repeat-containing protein
13348192	2.64	3.05	-1.34	0.10212	0.435546	AT1G35890	NAC (No Apical Meristem) domain transcriptional regulator superfamily protein
13401708	2.64	3.06	-1.34	0.228838	0.526598	AT2G36920	hypothetical protein
13437681	2.64	3.05	-1.34	0.304922	0.565001	AT3G50390	transducin/WD40 domain-containing protein
13435736	2.64	3.08	-1.36	0.268769	0.547516	LOX2	lipoxygenase 2
13502865	2.64	3.12	-1.39	0.529123	0.685822	AT5G18080	SAUR-like auxin-responsive protein
13405811	2.64	3.14	-1.41	0.149255	0.472024	CNGC11	cyclic nucleotide-gated ion channel 11
13482463	2.64	3.17	-1.44	0.211505	0.516882	AT4G09350	chaperone DnaJ-domain containing protein
13405387	2.64	3.27	-1.55	0.163845	0.485532	GRF9	growth-regulating factor 9
13462477	2.64	3.35	-1.63	0.068939	0.406403	DUO1	myb proto-oncogene protein, plant
13395272	2.64	3.36	-1.64	0.513758	0.674811	AT2G21040	calcium-dependent lipid-binding domain
13447623	2.64	3.36	-1.64	0.208978	0.51438	AT3G10900	putative mannan endo-1,4-beta-mannosidase 4
13398536	2.64	3.37	-1.66	0.035055	0.355472	AT2G29290	tropine dehydrogenase
13439552	2.64	3.39	-1.69	0.080556	0.41519	AT3G54940	Papain family cysteine protease
13475049	2.64	3.42	-1.72	0.120552	0.452137	AT4G29030	Putative membrane lipoprotein
13421500	2.64	3.45	-1.75	0.216473	0.519792	AFO	axial regulator YABBY 1
13532577	2.64	3.45	-1.75	0.119263	0.449782	AT5G36260	aspartyl protease family protein
13382917	2.64	3.49	-1.8	0.195522	0.506402	AT1G63820	CCT motif family protein
13456512	2.64	3.5	-1.81	0.196482	0.507317	AT3G45810	putative respiratory burst oxidase-J
13504073	2.64	3.54	-1.87	0.239381	0.532501	AT5G20690	leucine-rich repeat protein kinase-like protein
13347142	2.64	3.57	-1.9	0.206497	0.513175	AT1G32570	hypothetical protein
13430206	2.64	3.68	-2.05	0.216914	0.520001	ENODL5	early nodulin-like protein 5

13435835	2.64	3.8	-2.23	0.351771	0.582708	AT3G45670	protein kinase family protein
13507061	2.64	3.82	-2.26	0.070686	0.407344	AT5G32613	Zinc knuckle (CCHC-type) family protein
13413121	2.64	3.92	-2.42	0.21878	0.520921	AT2G26160	putative F-box protein
13533036	2.64	3.95	-2.47	0.468827	0.646015	AT5G37620	cysteine/histidine-rich C1 domain-containing protein
13348790	2.64	4.08	-2.72	0.018373	0.321469	NPQ4	photosystem II 22 kDa protein
13491371	2.64	4.12	-2.8	0.350628	0.582019	AT4G30030	aspartyl protease family protein
13436912	2.64	4.17	-2.89	0.400893	0.606346	CYP71A25	cytochrome P450 71A25
13516840	2.64	4.23	-3.01	0.336654	0.576994	AT5G58820	Subtilisin-like serine endopeptidase family protein
13520784	2.64	4.65	-4.02	0.28912	0.557782	PDC3	pyruvate decarboxylase-3
13505501	2.63	2.23	1.32	0.200691	0.509845	AT5G25102	hypothetical protein
13461983	2.63	2.29	1.26	0.22489	0.524988	AT3G59330	hypothetical protein
13347895	2.63	2.31	1.25	0.418968	0.616615	AT1G34560	hypothetical protein
13351126	2.63	2.31	1.25	0.587739	0.725893	AT1G52315	Regulator of Vps4 activity in the MVB pathway protein
13532655	2.63	2.34	1.23	0.264533	0.545458	AT5G36690; AT5G36780; PPI1	hypothetical protein; proton pump interactor 1
13532703	2.63	2.34	1.23	0.264533	0.545458	AT5G36690; AT5G36780; PPI1	hypothetical protein; proton pump interactor 1
13434055	2.63	2.34	1.22	0.456284	0.638899	ARI4	IBR domain containing protein
13434635	2.63	2.41	1.17	0.637319	0.758609	AT3G29450	General transcription factor 2-related zinc finger protein
13515529	2.63	2.41	1.16	0.194461	0.505856	AT5G55900	Sucrase/ferredoxin-like family protein
13431845	2.63	2.46	1.13	0.398641	0.605002	WNK2	serine/threonine-protein kinase WNK2
13452672	2.63	2.49	1.1	0.493133	0.660407	AT3G22710	F-box protein
13397276	2.63	2.52	1.08	0.613184	0.742183	AT2G26130	RING/U-box protein with C6HC-type zinc finger
13509209	2.63	2.55	1.06	0.652932	0.769725	AT5G41510	putative F-box protein
13451394	2.63	2.6	1.02	0.958283	0.975205	AT3G19610	hypothetical protein
13358494	2.63	2.7	-1.05	0.827122	0.890021	AT1G72910	Toll-Interleukin-Resistance domain-containing protein
13407639	2.63	2.73	-1.07	0.888214	0.931595	AT2G04060	glycosyl hydrolase family 35 protein
13463935	2.63	2.72	-1.07	0.748285	0.834893	AT4G00350	mate efflux domain-containing protein
13340150	2.63	2.74	-1.08	0.747682	0.834544	HB32	homeobox protein 32
13434714	2.63	2.75	-1.08	0.444413	0.63213	AT3G30235	General transcription factor 2-related zinc finger protein
13467973	2.63	2.76	-1.09	0.547936	0.697997	AT4G12920	aspartyl protease family protein
13505750	2.63	2.77	-1.1	0.113676	0.444631	AT5G25630	pentatricopeptide repeat-containing protein
13375184	2.63	2.78	-1.11	0.477156	0.650508	AT1G33430	putative beta-1,3-galactosyltransferase 8
13381138	2.63	2.79	-1.12	0.209767	0.514923	AT1G59950	NAD(P)-linked oxidoreductase-like protein
13482856	2.63	2.79	-1.12	0.627684	0.751739	AT4G10540	Subtilase family protein
13529454	2.63	2.85	-1.16	0.545927	0.696524	AT5G22540	hypothetical protein
13484225	2.63	2.85	-1.17	0.545528	0.696161	EDA36	glycine hydroxymethyltransferase
13425025	2.63	2.87	-1.18	0.548418	0.698421	AT3G06455	ubiquitin family protein
13342787	2.63	2.89	-1.19	0.543065	0.694359	AT1G20925	auxin efflux carrier-like protein
13378632	2.63	2.88	-1.19	0.076086	0.410503	AT1G52290	protein kinase-like protein
13395948	2.63	2.89	-1.19	0.313116	0.567941	AT2G22600	RNA-binding KH domain-containing protein
13353186	2.63	2.89	-1.2	0.010312	0.296261	AT1G58160	mannose-binding lectin-like protein
13357004	2.63	2.9	-1.21	0.098939	0.433702	AT1G69470	hypothetical protein

13403046	2.63	2.9	-1.21	0.361473	0.5879	AT2G40010	60S acidic ribosomal protein P0-1
13414417	2.63	2.94	-1.23	0.109055	0.440715	AT2G29040	exostosin-like protein
13414732	2.63	2.93	-1.23	0.370277	0.591914	AT2G30090	GCN5-related N-acetyltransferase (GNAT) family protein
13538616	2.63	2.97	-1.27	0.368726	0.591132	SHOC1	shortage in chiasmata 1
13467613	2.63	3.03	-1.31	0.000046	0.14124	AT4G11810	SPX domain-containing membrane protein
13426595	2.63	3.05	-1.34	0.285848	0.556682	AT3G10750	FBD domain-containing protein
13415546	2.63	3.06	-1.35	0.484213	0.654355	AT2G31690	phospholipase A1-Ialpha2
13336439	2.63	3.11	-1.4	0.143853	0.469303	AT1G06135	hypothetical protein
13540253	2.63	3.16	-1.45	0.186152	0.500418	AT5G56960	putative transcription factor bHLH041
13341191	2.63	3.18	-1.46	0.000585	0.207323	AT1G17100	SOUL heme-binding protein
13463309	2.63	3.2	-1.49	0.091751	0.429207	AT3G62430	F-box protein
13472736	2.63	3.21	-1.49	0.053431	0.383838	AT4G24070	carbon-carbon lyase
13432057	2.63	3.21	-1.5	0.146768	0.470962	AT3G23060	putative E3 ubiquitin protein ligase DRIPH
13378764	2.63	3.24	-1.52	0.038685	0.364511	AT1G52640	pentatricopeptide repeat-containing protein
13434688	2.63	3.23	-1.52	0.136196	0.465036	AT3G29830	F-box domain-containing protein
13442801	2.63	3.26	-1.55	0.267587	0.546492	AT3G62990	hypothetical protein
13406191	2.63	3.29	-1.58	0.132179	0.462328	AT2G47340	plant invertase/pectin methylesterase inhibitor domain-containing protein
13412266	2.63	3.3	-1.58	0.50915	0.671637	AT2G24190; CYP71B6	Short-chain dehydrogenase/reductase 2; cytochrome P450 71B6
13460114	2.63	3.29	-1.58	0.287074	0.557153	AT3G54804	hypothetical protein
13361728	2.63	3.31	-1.59	0.149233	0.472024	AT1G80831	hypothetical protein
13393081	2.63	3.32	-1.62	0.240932	0.533477	KCS8	3-ketoacyl-CoA synthase 8
13338561	2.63	3.34	-1.64	0.100194	0.434576	AT1G10790	hypothetical protein
13396280	2.63	3.46	-1.78	0.091203	0.428406	CYP81D6	cytochrome P450, family 81, subfamily D, polypeptide 6
13521787	2.63	3.47	-1.79	0.062551	0.398248	AT5G04000	hypothetical protein
13437814	2.63	3.48	-1.8	0.19888	0.508347	CML41	putative calcium-binding protein CML41
13416821	2.63	3.48	-1.81	0.050196	0.380168	AT2G34580	hypothetical protein
13441040	2.63	3.54	-1.88	0.358737	0.585867	AT3G58770	hypothetical protein
13535253	2.63	3.57	-1.92	0.00213	0.253459	POP1	ABC transporter I family member 21
13391194	2.63	3.59	-1.95	0.078492	0.414078	AT2G03505	carbohydrate-binding X8 domain-containing protein
13432131	2.63	3.59	-1.95	0.234862	0.529692	ERF1	ethylene-responsive transcription factor 1B
13336926	2.63	3.84	-2.31	0.079781	0.414251	STP2	sugar transport protein 2
13403089	2.63	3.85	-2.34	0.236608	0.530845	LHCB4.3	chlorophyll a-b binding protein CP29.3
13358070	2.63	3.93	-2.45	0.430556	0.623341	SUC5	sucrose transport protein SUC5
13468194	2.63	3.97	-2.54	0.250697	0.537906	AT4G13572	hypothetical protein
13463515	2.63	3.98	-2.55	0.307544	0.565925	AT3G62988	hypothetical protein
13489564	2.63	4.01	-2.61	0.00772	0.290374	BETA-OHASE 1	beta-carotene hydroxylase
13503555	2.63	4.07	-2.7	0.101057	0.434702	AT5G19500	Tryptophan/tyrosine permease
13408528	2.63	4.13	-2.84	0.209607	0.514872	AT2G11462	hypothetical protein
13474167	2.63	4.14	-2.84	0.313035	0.567941	SESA4	seed storage albumin 4
13540209	2.63	4.21	-2.99	0.010324	0.296261	AT5G56880	hypothetical protein
13454675	2.63	4.3	-3.19	0.272011	0.548926	AT3G27968	hypothetical protein
13361069	2.63	4.37	-3.35	0.218427	0.52078	CHX2	cation/H(+) antiporter 2
13484942	2.63	4.37	-3.35	0.234647	0.529692		
13437323	2.63	4.5	-3.65	0.40764	0.610422	AT3G49115	hypothetical protein
13450874	2.63	5.15	-5.7	0.295509	0.561114	ILR2	iaa-leucine resistant 2

13457886	2.63	5.33	-6.49	0.039796	0.365591	LSU3	response to low sulfur 3 protein
13440362	2.63	5.5	-7.3	0.024965	0.33454	CRD1; SIP2;1	magnesium-protoporphyrin IX monomethyl ester [oxidative] cyclase; putative aquaporin SIP2-1
13545641	2.62	1.8	1.77	0.059225	0.39493	FC1	ferrochelatase 1
13381309	2.62	1.94	1.6	0.431431	0.623943	AT1G60380	No Apical Meristem domain-containing protein
13470637	2.62	2.35	1.21	0.454772	0.638112	AtS40-3	protein AtS40-3
13404686	2.62	2.37	1.18	0.100886	0.434702	AT2G44000	late embryogenesis abundant hydroxyproline-rich glycoprotein
13415826	2.62	2.39	1.18	0.348365	0.580705	BAM6	beta-amylase 6
13513523	2.62	2.45	1.13	0.196185	0.507008	AT5G51360	Transcription elongation factor (TFIIS) family protein
13372424	2.62	2.57	1.04	0.940419	0.964305	AT1G25988	hypothetical protein
13436225	2.62	2.58	1.03	0.740432	0.829451	AT3G46770	B3 domain-containing protein REM22
13466716	2.62	2.58	1.03	0.863994	0.915124	AT4G09450	SANT DNA-binding domain-containing protein
13357356	2.62	2.61	1.01	0.749128	0.835449	AT1G70430	protein kinase-like protein
13411461	2.62	2.61	1.01	0.97735	0.986566	AT2G21727	hypothetical protein
13515537	2.62	2.61	1.01	0.982667	0.989731	OPT1	oligopeptide transporter 1
13375731	2.62	2.64	-1.02	0.967144	0.980673	AT1G35630	protease-associated and C3HC4-type RING finger domain-containing protein
13353516	2.62	2.66	-1.03	0.81501	0.881768	GSTU15	glutathione S-transferase TAU 15
13378873	2.62	2.66	-1.03	0.912554	0.94697	DD11	protein downregulated in DIF1 11
13335351	2.62	2.67	-1.04	0.756712	0.840806	NAC006	NAC domain-containing protein 6
13386282	2.62	2.7	-1.06	0.717481	0.814382	THI2.1	thionin 2.1
13441046	2.62	2.72	-1.07	0.919358	0.951309	SHP1	agamous-like MADS-box protein AGL1
13358138	2.62	2.73	-1.08	0.815147	0.881796	AT1G72000	putative invertase
13435762	2.62	2.74	-1.08	0.873225	0.921555	AT3G45275	ECA1 gametogenesis related family protein
13541777	2.62	2.74	-1.09	0.493896	0.66086	AT5G60740	ABC transporter G family member 28
13409200	2.62	2.76	-1.1	0.457891	0.639713	AT2G16225	maternally expressed family protein
13506812	2.62	2.78	-1.12	0.027335	0.342082	AT5G28090	hypothetical protein
13443879	2.62	2.78	-1.12	0.57782	0.717923	EXL6	protein exordium like 6
13383344	2.62	2.82	-1.14	0.28451	0.556257	4CL3	4-coumarate--CoA ligase 3
13519600	2.62	2.85	-1.18	0.425834	0.620747	AT5G65130	ethylene-responsive transcription factor ERF057
13480680	2.62	2.87	-1.19	0.630593	0.754197	PGP3	ABC transporter B family member 3
13355841	2.62	2.91	-1.23	0.467572	0.645291	AT1G66553	hypothetical protein
13539443	2.62	2.91	-1.23	0.539238	0.691944	AT5G54700	ankyrin repeat-containing protein
13435604	2.62	2.93	-1.24	0.112939	0.444045	AT3G44783	hypothetical protein
13439829	2.62	2.93	-1.24	0.387011	0.598595	AT3G55590	mannose-1-phosphate guanylyltransferase
13523508	2.62	2.93	-1.24	0.652046	0.769157	AT5G08315	defensin-like protein 22
13380525	2.62	2.95	-1.26	0.472074	0.647729	AT1G57550	Low temperature and salt responsive protein
13448275	2.62	2.96	-1.26	0.681018	0.788594	scpl14	serine carboxypeptidase-like 14
13342597	2.62	2.97	-1.27	0.189603	0.503337	AT1G20405	hypothetical protein
13349401	2.62	3.02	-1.32	0.302408	0.563917	AT1G47920	FBD domain-containing protein
13468477	2.62	3.04	-1.33	0.4986	0.664116	ACD6	ankyrin repeat-containing protein
13403672	2.62	3.05	-1.35	0.300287	0.563239	M17	glycine-rich protein / late embryogenesis abundant protein (M17)
13483294	2.62	3.07	-1.36	0.038106	0.363017	AT4G11770	putative F-box/kelch-repeat protein

13456591	2.62	3.07	-1.36	0.090972	0.427987	AT3G45950	Pre-mRNA splicing Prp18-interacting factor
13415330	2.62	3.08	-1.37	0.393946	0.602623	HEMA3	glutamyl-tRNA reductase
13447031	2.62	3.09	-1.38	0.562084	0.707496	AT3G09750	galactose oxidase/kelch repeat-like protein
13450760	2.62	3.1	-1.4	0.13724	0.46568	AT3G18120	F-box associated ubiquitination effector family protein
13482511	2.62	3.13	-1.43	0.34056	0.578179	GASA3	gibberellin-regulated protein 3
13362349	2.62	3.18	-1.47	0.01058	0.296805	AT1G02405	proline-rich family protein
13517712	2.62	3.17	-1.47	0.421949	0.618195	AT5G60964	ECA1 gametogenesis related family protein
13398935	2.62	3.2	-1.49	0.499888	0.664975	AT2G30380	hypothetical protein
13373139	2.62	3.22	-1.51	0.045026	0.374597	AT1G28000	pentatricopeptide repeat-containing protein
13354306	2.62	3.23	-1.53	0.171003	0.489004	AT1G62160	serine protease inhibitor (SERPIN)-like protein
13472934	2.62	3.27	-1.57	0.112266	0.443356	PWD	phosphoglucan, water dikinase
13360481	2.62	3.3	-1.61	0.286921	0.557153	AT1G78030	hypothetical protein
13407972	2.62	3.31	-1.61	0.355973	0.584638	AT2G05310	hypothetical protein
13471476	2.62	3.33	-1.64	0.255088	0.540321	EMB2271	U3-55K-like protein 2
13397254	2.62	3.35	-1.66	0.092544	0.429659	PDF1.2b	putative defensin-like protein 15
13480482	2.62	3.35	-1.66	0.187639	0.502008	AT4G01240	putative methyltransferase domain-containing protein
13344974	2.62	3.42	-1.73	0.140883	0.467457	NRT1.6	nitrate transporter 1.6
13507256	2.62	3.43	-1.76	0.435943	0.627041	AT5G35390	leucine-rich repeat protein kinase-like protein
13446274	2.62	3.45	-1.78	0.408162	0.610585	AT3G07710	hypothetical protein
13535411	2.62	3.45	-1.78	0.424099	0.619577	AT5G44495	ECA1 gametogenesis related family protein
13438346	2.62	3.48	-1.81	0.481129	0.652687	chx28	cation/H(+) antiporter 28
13395805	2.62	3.55	-1.9	0.219075	0.52121	AT2G22241	hypothetical protein
13440303	2.62	3.6	-1.96	0.288524	0.557599	AT3G56780	putative F-box/FBD/LRR-repeat protein
13473785	2.62	3.59	-1.97	0.149148	0.471967	UNE17	Subtilisin-like serine endopeptidase family protein
13510052	2.62	3.82	-2.29	0.362778	0.588492	AT5G43525	defensin-like protein 212
13545200	2.62	3.85	-2.34	0.3848	0.597985	ArthMp077	hypothetical protein
13454072	2.62	4.07	-2.72	0.290294	0.558413	AT3G26855	RNA-directed DNA polymerase (reverse transcriptase)-related family protein
13412328	2.62	4.08	-2.74	0.352656	0.583265	AT2G24320; AT2G24310	alpha/beta-hydrolase domain-containing protein; hypothetical protein
13478151	2.62	4.09	-2.78	0.030624	0.350098	SEN1	senescence-associated protein DIN1
13484454	2.62	4.11	-2.8	0.39918	0.605136	AT4G14260	hypothetical protein
13373902	2.62	4.14	-2.86	0.012113	0.301412	CAB3; CAB2	chlorophyll a-b binding protein 2/3
13369332	2.62	4.25	-3.09	0.128313	0.45839	AT1G17744; AT1G17745	hypothetical protein; D-3-phosphoglycerate dehydrogenase
13531409	2.62	4.32	-3.24	0.437241	0.627896	RLP53	receptor like protein 53
13453205	2.62	4.53	-3.74	0.352118	0.58288	PUM25	pumilio 25
13392496	2.62	5.11	-5.62	0.183003	0.497876	AT2G10920	hypothetical protein
13378362	2.62	7.86	-37.91	0.008878	0.293015	AT1G51840	protein kinase-related protein
13507747	2.61	2.08	1.45	0.297513	0.56231	AT5G37410	hypothetical protein
13356715	2.61	2.13	1.39	0.141789	0.468094	AT1G68700	hypothetical protein
13377903	2.61	2.15	1.38	0.410494	0.611812	AT1G50470	F-box associated ubiquitination effector family protein
13336767	2.61	2.42	1.14	0.307067	0.565721	AT1G06830	monothiol glutaredoxin-S11
13534148	2.61	2.46	1.11	0.436401	0.627416	GSTT3	glutathione S-transferase THETA 3

13342931	2.61	2.49	1.09	0.757262	0.841131	AT1G21340	Dof zinc finger protein DOF1.2
13508960	2.61	2.47	1.09	0.765243	0.846575	AT5G40900	Nucleotide-diphospho-sugar transferase family protein
13420349	2.61	2.52	1.07	0.351112	0.582193		
13455189	2.61	2.52	1.07	0.574594	0.716032	AT3G29431	hypothetical protein
13368778	2.61	2.56	1.04	0.559225	0.705398	MC8	metacaspase 8
13536933	2.61	2.62	-1.01	0.969469	0.982154	TGG3	thioglucoside glucosidase 3
13447053	2.61	2.67	-1.04	0.715157	0.812776	CCR1	serine/threonine-protein kinase-like protein CCR1
13480378	2.61	2.68	-1.05	0.817595	0.883447	WTF1	ubiquitin carboxyl-terminal hydrolase-like protein
13483639	2.61	2.68	-1.05	0.842829	0.900972	AT4G12540	hypothetical protein
13412592	2.61	2.7	-1.06	0.896392	0.936221		
13497576	2.61	2.68	-1.06	0.871438	0.920148	AGL99	protein agamous-like 99
13401181	2.61	2.71	-1.07	0.756773	0.840806	CTF2A; AT2G35658	CTF2A like oxidoreductase; hypothetical protein
13410267	2.61	2.73	-1.09	0.189643	0.503348	AT2G19210	putative receptor-like protein kinase
13417790	2.61	2.74	-1.09	0.718234	0.814843	UGT73C1	cytokinin-O-glucosyltransferase 1
13442561	2.61	2.73	-1.09	0.60615	0.736694	IAA30	auxin-responsive protein IAA30
13450467	2.61	2.76	-1.1	0.642121	0.761439	PMEI2	pectinesterase inhibitor 2
13379127	2.61	2.82	-1.15	0.002539	0.253459	AT1G53620	hypothetical protein
13354096	2.61	2.82	-1.15	0.542432	0.694165	AT1G61470	putative CCR4-associated factor 1-5
13434062	2.61	2.82	-1.16	0.22656	0.525333	MYB21; AT3G27809	transcription factor MYB21; hypothetical protein
13339165	2.61	2.84	-1.17	0.702742	0.804296	RPS5	disease resistance protein RPS5
13538515	2.61	2.88	-1.2	0.445511	0.633157	IMPA-8	importin alpha isoform 8
13344267	2.61	2.89	-1.21	0.284932	0.556338	AT1G24650	leucine-rich repeat protein kinase-like protein
13515620	2.61	2.89	-1.21	0.653731	0.770254	MYB103	myb domain protein 103
13482191	2.61	2.9	-1.22	0.460054	0.641262	AT4G08263	hypothetical protein
13450397	2.61	2.9	-1.23	0.012911	0.304352	AT3G16970	Plant self-incompatibility protein S1 family
13493101	2.61	2.97	-1.28	0.539653	0.692057	AT4G33600	hypothetical protein
13496334	2.61	2.98	-1.29	0.203166	0.510604	AT5G01860	C2H2 and C2HC zinc finger-containing protein
13509619	2.61	3.01	-1.33	0.398617	0.605002	AT5G42410	SAUR-like auxin-responsive protein
13462403	2.61	3.06	-1.36	0.366313	0.590194		
13510145	2.61	3.06	-1.36	0.309123	0.566642	AT5G43690	sulfotransferase family protein
13518674	2.61	3.06	-1.36	0.176958	0.4933	PAP29	purple acid phosphatase 29
13476269	2.61	3.09	-1.4	0.335226	0.576654	CYP82C3	cytochrome P450, family 82, subfamily C, polypeptide 3
13410514	2.61	3.11	-1.42	0.116732	0.446833	LBD9	LOB domain-containing protein 9
13452847	2.61	3.12	-1.42	0.05085	0.381454	AT3G23420	F-box and associated interaction domain-containing protein
13527567	2.61	3.11	-1.42	0.139887	0.466398	AT5G17750	AAA-type ATPase family protein
13394226	2.61	3.13	-1.44	0.367978	0.590874	AT2G18590	major facilitator protein
13405193	2.61	3.15	-1.45	0.422521	0.618694	AT2G45040	matrix metalloprotease domain-containing protein
13454130	2.61	3.18	-1.48	0.020057	0.322692	DRB3	dsRNA-binding protein 3
13367869	2.61	3.17	-1.48	0.15471	0.477786	AT1G14490	putative AT-hook DNA-binding protein
13371394	2.61	3.18	-1.48	0.283514	0.555903	AT1G22720	putative wall-associated kinase

13477545	2.61	3.18	-1.49	0.03937	0.364658	AT4G34440	protein kinase family protein
13513212	2.61	3.2	-1.5	0.081025	0.41589	AT5G50760	SAUR-like auxin-responsive protein
13479260	2.61	3.23	-1.55	0.011445	0.297771	BGAL14	beta-galactosidase 14
13428112	2.61	3.28	-1.6	0.159537	0.481832	CID9	CTC-interacting domain 9 protein
13338978	2.61	3.3	-1.62	0.242037	0.533808	AT1G11770	FAD-binding and BBE domain-containing protein
13373134	2.61	3.33	-1.64	0.456302	0.638899	AT1G27990	hypothetical protein
13338422	2.61	3.33	-1.65	0.168776	0.487446	PUB18	U-box domain-containing protein 18
13389944	2.61	3.38	-1.71	0.213465	0.518061	AT1G80130	tetratricopeptide repeat domain-containing protein
13530687	2.61	3.38	-1.71	0.265018	0.545766	AT5G24940	putative protein phosphatase 2C 71
13435789	2.61	3.44	-1.77	0.19425	0.505856	AT3G45450	Clp amino terminal domain-containing protein
13375898	2.61	3.45	-1.78	0.17827	0.49426	MCT1	MEI2 C-terminal RRM only like 1 protein
13495603	2.61	3.47	-1.82	0.414685	0.614208	AT4G39130	Dehydrin family protein
13495657	2.61	3.51	-1.87	0.361723	0.587911	RL1	protein RAD-like 1
13498447	2.61	3.61	-2	0.253212	0.539191	GIS2	C2H2 and C2HC zinc finger-containing protein
13381276	2.61	3.64	-2.05	0.018023	0.319749	BGLU5	beta glucosidase 5
13377274	2.61	3.73	-2.17	0.377487	0.594082	AT1G48953	hypothetical protein
13389185	2.61	3.74	-2.19	0.348416	0.580705	AT1G78922	hypothetical protein
13475200	2.61	3.74	-2.19	0.253237	0.539203	AT4G29370	F-box/kelch-repeat protein
13533817	2.61	3.76	-2.22	0.437434	0.628101		
13488061	2.61	3.83	-2.34	0.351424	0.582541	AT4G22460	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13434789	2.61	3.92	-2.49	0.18394	0.498487	AT3G30820	retrotransposon ORF-1 protein
13399172	2.61	3.95	-2.53	0.385526	0.598186	AT2G31005	hypothetical protein
13537004	2.61	3.98	-2.6	0.381174	0.596403	AT5G48490	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13397024	2.61	4.05	-2.73	0.370476	0.591914	AT2G25510	hypothetical protein
13408695	2.61	4.15	-2.91	0.145072	0.470007	NF-YB7	nuclear transcription factor Y subunit B-7
13380528	2.61	4.46	-3.62	0.046466	0.377124	AT1G57590	Pectin lyase-like protein
13395793	2.61	5.01	-5.29	0.224654	0.524988	AT2G22180	hydroxyproline-rich glycoprotein-like protein
13509721	2.6	2.09	1.42	0.153234	0.476237	AT5G42610	hypothetical protein
13432087	2.6	2.12	1.4	0.381302	0.596438		
13370867	2.6	2.21	1.31	0.255881	0.540365	AT1G21470	hypothetical protein
13481991	2.6	2.26	1.26	0.218354	0.52078	AT4G05540	DNA helicase domain-containing protein
13502308	2.6	2.33	1.21	0.331822	0.576146	AT5G16567	hypothetical protein
13504530	2.6	2.37	1.18	0.23371	0.529356	AT5G22590	leucine rich repeat family protein
13356306	2.6	2.37	1.17	0.555348	0.703052	AT1G67780	Zinc-finger domain of monoamine-oxidase A repressor R1 protein
13521629	2.6	2.41	1.14	0.403145	0.607647	AT5G03690	fructose-bisphosphate aldolase, class I
13541835	2.6	2.4	1.14	0.156392	0.479127	BASL	breaking of asymmetry in the stomatal lineage protein
13413857	2.6	2.43	1.13	0.47761	0.650814	AT2G27630	Ubiquitin carboxyl-terminal hydrolase-related protein
13382071	2.6	2.48	1.09	0.350465	0.582019	BAN	anthocyanidin reductase
13387566	2.6	2.49	1.08	0.511476	0.673121	RRA1	Nucleotide-diphospho-sugar transferase family protein
13404493	2.6	2.48	1.08	0.734698	0.826308	AT2G43386	hypothetical protein

13441918	2.6	2.48	1.08	0.581682	0.721238	AT3G60790	F-box protein
13452328	2.6	2.52	1.05	0.61273	0.74179	AT3G21590	Senescence/dehydration-associated protein-like protein
13459314	2.6	2.53	1.05	0.801714	0.872104	AT3G52941	Putative membrane lipoprotein
13516738	2.6	2.54	1.04	0.860427	0.913004		
13511452	2.6	2.56	1.03	0.868378	0.918135	AT5G46877	putative defensin-like protein 304
13481744	2.6	2.58	1.01	0.969577	0.982154	RIC10	ROP-interactive CRIB motif-containing protein 10
13404133	2.6	2.62	-1.01	0.946929	0.968306	AT2G42550	protein kinase-like protein
13335401	2.6	2.64	-1.03	0.786823	0.861873	AT1G03700	UPF0497 membrane protein
13494910	2.6	2.64	-1.03	0.887376	0.930989	AT4G37860	SPT2 chromatin protein
13421274	2.6	2.66	-1.04	0.92786	0.956332	DL1D	dynamin-related protein 1d
13440561	2.6	2.66	-1.04	0.694503	0.798608	AT3G57440	hypothetical protein
13463161	2.6	2.66	-1.04	0.761016	0.843465	VGDH2	pectinesterase VGDH2
13478085	2.6	2.67	-1.05	0.635134	0.757487	AT4G35660	hypothetical protein
13437065	2.6	2.71	-1.07	0.808753	0.87745	AT3G48550	hypothetical protein
13505599	2.6	2.7	-1.07	0.405222	0.609014	AT5G25310	putative glycosyltransferase
13533972	2.6	2.7	-1.07	0.48246	0.653509	AT5G40700	hypothetical protein
13390993	2.6	2.73	-1.09	0.585007	0.723833	AT2G02840	hypothetical protein
13391449	2.6	2.72	-1.09	0.539216	0.691944	ZIP7	zinc transporter 7
13542430	2.6	2.75	-1.11	0.539503	0.692035	AT5G62140	hypothetical protein
13505646	2.6	2.8	-1.15	0.064071	0.400603	AT5G25415	hypothetical protein
13520694	2.6	2.8	-1.15	0.395458	0.603394	PTR5	peptide transporter PTR5
13533330	2.6	2.8	-1.15	0.211982	0.517359	AT5G38620	MADS-box protein AGL73
13493581	2.6	2.85	-1.19	0.087072	0.422399	MRL1	pentatricopeptide repeat-containing protein
13532178	2.6	2.88	-1.21	0.690679	0.79565	AT5G35230	hypothetical protein
13521561	2.6	2.9	-1.23	0.408945	0.610896	AT5G03480	RNA-binding (RRM/RBD/RNP motifs) family protein
13529025	2.6	2.9	-1.23	0.141162	0.467636	AT5G21030	PAZ and piwi domain-containing protein
13511940	2.6	2.91	-1.24	0.120669	0.452158	AT5G47900	hypothetical protein
13382973	2.6	2.98	-1.3	0.468351	0.64571	SPO11-2; AT1G63980	meiotic recombination protein SPO11-2; D111/G-patch domain-containing protein
13349080	2.6	2.99	-1.31	0.198604	0.508119	AT1G46840	F-box protein
13373551	2.6	3.02	-1.33	0.239332	0.532501	AT1G29080	Papain family cysteine protease
13340433	2.6	3.02	-1.35	0.13169	0.46184	AT1G15590	hypothetical protein
13480193	2.6	3.05	-1.37	0.607434	0.737628	ADF8	actin depolymerizing factor 8
13529771	2.6	3.07	-1.38	0.070706	0.407377	AT5G23160	hypothetical protein
13508575	2.6	3.1	-1.41	0.208633	0.514214	AT5G40060	TIR-NBS-LRR class disease resistance protein
13353802	2.6	3.12	-1.43	0.369856	0.591882	DRP4C	Dynamin related protein 4C
13426796	2.6	3.13	-1.44	0.297869	0.562453	AT3G11350	Pentatricopeptide repeat-containing protein-like protein
13490723	2.6	3.16	-1.48	0.150897	0.473611	AT4G28140	ethylene-responsive transcription factor ERF054
13450895	2.6	3.18	-1.49	0.116795	0.446833	AT3G18530	ARM repeat family protein-like protein
13540555	2.6	3.2	-1.52	0.11969	0.450635	XTH25	xyloglucan:xyloglucosyl transferase
13492940	2.6	3.21	-1.53	0.568662	0.711493	AT4G33280	B3 domain-containing protein REM16
13377383	2.6	3.23	-1.55	0.220027	0.521793	AT1G49270	protein kinase-like protein
13447402	2.6	3.31	-1.64	0.215862	0.51971	AT3G10510	putative F-box/kelch-repeat protein
13361960	2.6	3.32	-1.65	0.467115	0.645076	AT1G01400	hypothetical protein

13444489	2.6	3.39	-1.73	0.311349	0.566973	AT3G04270	hypothetical protein
13347171	2.6	3.4	-1.74	0.333147	0.576298	AT1G32660	putative F-box protein
13473391	2.6	3.45	-1.8	0.157513	0.479979	AT4G25430	hypothetical protein
13352265	2.6	3.47	-1.83	0.453708	0.637327	AT1G54870	Rossmann-fold NAD(P)-binding domain-containing protein
13374435	2.6	3.49	-1.85	0.317486	0.569089	AT1G31310	hydroxyproline-rich glycoprotein-like protein
13457650	2.6	3.61	-2.01	0.27324	0.54985	AT3G49051	hypothetical protein
13391160	2.6	3.66	-2.09	0.078141	0.413717	AT2G03410; AT2G03420	MO25-like protein; hypothetical protein
13541659	2.6	3.67	-2.09	0.316899	0.568567	AT5G60330	hypothetical protein
13512170	2.6	3.68	-2.11	0.021456	0.325381	ATGLR1.2	glutamate receptor 1.2
13540185	2.6	3.71	-2.16	0.413155	0.613673	MT1B	metallothionein 1B
13363953	2.6	3.73	-2.19	0.16548	0.485944	UGT74E2	Uridine diphosphate glycosyltransferase 74E2
13454824	2.6	3.75	-2.21	0.382222	0.596998	TDF1	myb proto-oncogene protein
13344610	2.6	3.74	-2.22	0.399303	0.605217	AT1G26290	hypothetical protein
13501345	2.6	3.76	-2.24	0.12227	0.452662	AT5G14090	hypothetical protein
13454424	2.6	3.81	-2.31	0.121693	0.45259	AT3G27415; AT3G27416	hypothetical protein
13470969	2.6	3.84	-2.36	0.358175	0.585682	AT4G19930	F-box/kelch-repeat protein
13417935	2.6	3.87	-2.4	0.306305	0.565397	AT2G36881	hypothetical protein
13370624	2.6	3.92	-2.5	0.257481	0.541251	AT1G20790	F-box protein
13392188	2.6	3.93	-2.52	0.421534	0.618047	AT2G07290	hypothetical protein
13373148	2.6	3.96	-2.56	0.243275	0.534321	AT1G28040	RING-H2 finger protein ATL20
13529623	2.6	3.96	-2.57	0.374839	0.593164	AT5G22791	F-box family protein
13433470	2.6	4.45	-3.61	0.35105	0.582148	AT3G26235	hypothetical protein
13482143	2.6	5	-5.28	0.312934	0.567941		
13545597	2.59	2.01	1.49	0.189378	0.503111	AT2G25052; AT2G25050	hypothetical protein; formin-like protein 18
13526752	2.59	2.12	1.38	0.52222	0.680524	RTFL18	protein rotundifolia like 18
13432593	2.59	2.36	1.17	0.050337	0.380289	AT3G23930	hypothetical protein
13353806	2.59	2.38	1.16	0.726802	0.820952	DRP4A	Dynamin related protein 4A
13506803	2.59	2.39	1.15	0.694795	0.798719	AT5G28000	SRPBCC ligand-binding domain-containing protein
13392797	2.59	2.44	1.11	0.494179	0.661014	AT2G13895	Cysteine/Histidine-rich C1 domain family protein
13409447	2.59	2.45	1.1	0.110805	0.442152	AT2G16880	pentatricopeptide repeat-containing protein
13352230	2.59	2.46	1.09	0.636348	0.758209	AGL85	protein agamous-like 85
13396739	2.59	2.48	1.08	0.73198	0.824812	AT2G24625	putative defensin-like protein 39
13404112	2.59	2.5	1.07	0.639726	0.760114	AT2G42510	hypothetical protein
13355785	2.59	2.57	1.02	0.917092	0.94979	AT1G66420	DNA-binding storekeeper protein-related transcriptional regulator
13475079	2.59	2.61	-1.01	0.884511	0.929491	AT4G29090	Ribonuclease H-like protein
13371799	2.59	2.62	-1.02	0.846136	0.903036	AT1G23770	F-box domain-containing protein
13521317	2.59	2.63	-1.03	0.833709	0.894712	AT5G02720; AT5G02710	hypothetical protein
13511582	2.59	2.7	-1.08	0.564623	0.709234	AT5G47150	YDG/SRA domain-containing protein
13415835	2.59	2.73	-1.1	0.799407	0.870933	AT2G32310	CCT motif family protein
13526977	2.59	2.73	-1.1	0.713422	0.811418	AT5G16500	protein kinase family protein
13379170	2.59	2.74	-1.11	0.73237	0.825154	AT1G53690	DNA directed RNA polymerase-7 subunit

13448597	2.59	2.74	-1.11	0.332445	0.576298	AT3G12850	COP9 signalosome complex-related protein
13453859	2.59	2.74	-1.11	0.775999	0.85426	CYP71B25	cytochrome P450 71B25
13535724	2.59	2.76	-1.13	0.213313	0.518061	AT5G45230	TIR-NBS-LRR class disease resistance protein
13368047	2.59	2.79	-1.14	0.332137	0.576298	KNATM	protein KNATM
13485677	2.59	2.79	-1.15	0.372226	0.591916	AT4G16807	hypothetical protein
13490952	2.59	2.8	-1.16	0.655664	0.771662	AT4G28920	hypothetical protein
13533613	2.59	2.81	-1.17	0.397521	0.604424	RABG1	RAB GTPase homolog G1
13511610	2.59	2.83	-1.18	0.329499	0.574959	AT5G47260	putative disease resistance protein
13463918	2.59	2.84	-1.19	0.717326	0.814324	AT4G00320	putative F-box/FBD/LRR-repeat protein
13418312	2.59	2.85	-1.2	0.183654	0.498423	AT2G37780	cysteine/histidine-rich C1 domain-containing protein
13478160	2.59	2.86	-1.2	0.287051	0.557153	RTFL6	protein rotundifolia like 6
13343896	2.59	2.88	-1.22	0.499039	0.664402	AT1G23724	hypothetical protein
13469760	2.59	2.92	-1.25	0.459205	0.640422	RLM3	resistance to leptosphaeria maculans 3 protein
13527884	2.59	2.91	-1.25	0.227051	0.52549	AT5G18430	GDSL esterase/lipase
13374872	2.59	2.92	-1.26	0.301591	0.563858	AT1G32470	glycine cleavage system H protein
13446058	2.59	2.93	-1.27	0.033171	0.354018	AT3G07250	nuclear transport factor 2 and RNA recognition motif domain-containing protein
13399377	2.59	2.94	-1.27	0.25806	0.541251	CPK24	calcium-dependent protein kinase 24
13486940	2.59	3	-1.33	0.092114	0.429607	AT4G19480	hypothetical protein
13414130	2.59	3.01	-1.34	0.489857	0.658225	LCR32	putative defensin-like protein 150
13474490	2.59	3.02	-1.34	0.068747	0.406403	AT4G28000	AAA-type ATPase family protein
13461531	2.59	3.05	-1.38	0.081733	0.416797	AT3G58290	meprin and TRAF-C like domain-containing protein
13420313	2.59	3.07	-1.39	0.071766	0.408234	AT2G42370	hypothetical protein
13542877	2.59	3.08	-1.41	0.101668	0.435397	AT5G63350	hypothetical protein
13535902	2.59	3.09	-1.42	0.490716	0.658793	AT5G45690	hypothetical protein
13395754	2.59	3.24	-1.57	0.423425	0.619098	AT2G22088; UBA1A	hypothetical protein; UBP1 interacting protein 1a
13362740	2.59	3.28	-1.61	0.077877	0.413069	BSU1	serine/threonine-protein phosphatase BSU1
13480388	2.59	3.33	-1.67	0.22076	0.522047	TBL26	protein trichome birefringence-like 26
13512565	2.59	3.32	-1.67	0.433325	0.625225	AT5G49260	hypothetical protein
13339075	2.59	3.33	-1.68	0.043744	0.373007	RUB3	NEDD8-like protein RUB3
13452005	2.59	3.36	-1.71	0.479341	0.651723		
13383672	2.59	3.39	-1.74	0.033206	0.354018	AT1G65710	hypothetical protein
13528824	2.59	3.41	-1.76	0.274549	0.550583	AT5G20670	hypothetical protein
13537909	2.59	3.43	-1.79	0.400028	0.605806	NF-YC5	nuclear transcription factor Y subunit C-5
13471539	2.59	3.43	-1.8	0.055845	0.388357	GA2OX8	gibberellin 2-beta-dioxygenase 8
13357373	2.59	3.51	-1.89	0.100485	0.434659	AT1G70450	protein kinase-like protein
13339830	2.59	3.55	-1.93	0.012032	0.301412	AT1G13930	hypothetical protein
13368378	2.59	3.58	-1.98	0.116659	0.446833	AT1G15320	hypothetical protein
13397436	2.59	3.61	-2.03	0.006144	0.280665	AT2G26500	putative cytochrome b6f complex subunit
13435374	2.59	3.62	-2.04	0.462635	0.643006	AT3G44235	hypothetical protein
13351856	2.59	3.85	-2.39	0.005223	0.271751	AT1G53870; AT1G53890	LURP-one-related 3 protein
13544560	2.59	3.86	-2.41	0.246976	0.535648	AT5G67040	hypothetical protein
13431591	2.59	3.88	-2.45	0.325777	0.573485	AT3G21880	zinc finger protein CONSTANS-LIKE 12
13390872	2.59	3.98	-2.63	0.383188	0.597495	AT2G02515	hypothetical protein

13396744	2.59	4.04	-2.73	0.275185	0.550583	AT2G24683	hypothetical protein
13367365	2.59	4.05	-2.76	0.207686	0.513587	AT1G13200	putative F-box/kelch-repeat protein
13357805	2.59	4.06	-2.77	0.301375	0.563858	AT1G71250	GDSL esterase/lipase
13467790	2.59	4.06	-2.78	0.183829	0.498487	APT4	adenine phosphoribosyl transferase 4
13481612	2.59	4.07	-2.79	0.111546	0.443023	ATPC1	ATP synthase gamma chain 1
13521779	2.59	4.43	-3.58	0.327232	0.574089	AT5G03980	GDSL esterase/lipase
13490077	2.59	4.59	-4.01	0.221651	0.522841	AT4G26830	O-glycosyl hydrolase-17
13444271	2.59	4.71	-4.36	0.235445	0.529858	AT3G03776	hydroxyproline-rich glycoprotein family protein
13474156	2.59	4.99	-5.26	0.36294	0.588585	SESA1	seed storage albumin 1
13507981	2.59	5.92	-10.08	0.002593	0.253459	AT5G38200	class I glutamine amidotransferase domain-containing protein
13466038	2.58	2.21	1.3	0.387106	0.598595	AT4G05430	carbohydrate-binding X8 domain-containing protein
13346623	2.58	2.33	1.19	0.284416	0.556165		
13434464	2.58	2.42	1.11	0.667696	0.779231	MIF2	mini zinc finger 2
13361788	2.58	2.44	1.1	0.219026	0.52121	AT1G80990	XH domain-containing protein
13373809	2.58	2.45	1.09	0.53453	0.688747	AT1G29740	Leucine-rich repeat transmembrane protein kinase
13419438	2.58	2.47	1.08	0.707861	0.807922	AT2G40450	BTB/POZ domain-containing protein
13492674	2.58	2.5	1.05	0.803758	0.873563	AT4G32924	hypothetical protein
13508694	2.58	2.52	1.04	0.177197	0.493375	AT5G40410	pentatricopeptide repeat-containing protein
13443193	2.58	2.56	1.01	0.954972	0.973188	AT3G01327	ECA1-like gametogenesis related family protein
13385579	2.58	2.59	-1.01	0.965928	0.97995	AT1G69990	putative LRR receptor-like serine/threonine-protein kinase
13473843	2.58	2.59	-1.01	0.939597	0.963738	AT4G26460	S-adenosyl-L-methionine-dependent methyltransferase-like protein
13390179	2.58	2.6	-1.02	0.921229	0.952383	HA9	H(+)-ATPase 9
13483645	2.58	2.61	-1.02	0.952901	0.972048	AT4G12580	hypothetical protein
13383850	2.58	2.65	-1.05	0.778999	0.856165	MMD1	male meiotic MMD1 PHD-finger protein
13384532	2.58	2.64	-1.05	0.799993	0.871171	AT1G67460	Minichromosome maintenance (MCM2/3/5) family protein
13432205	2.58	2.72	-1.1	0.70932	0.808844	AT3G23320	nucleic acid binding protein
13375515	2.58	2.75	-1.13	0.36141	0.5879	AT1G34575	FAD-binding and BBE domain-containing protein
13470469	2.58	2.77	-1.14	0.357755	0.585346	PYL13	abscisic acid receptor PYL13
13432688	2.58	2.78	-1.15	0.231269	0.527791	NCED6	9-cis-epoxycarotenoid dioxygenase NCED6
13461411	2.58	2.79	-1.15	0.333655	0.576298	AT3G58060	putative metal tolerance protein C3
13507405	2.58	2.84	-1.2	0.524666	0.682311	AT5G35870	hypothetical protein
13359152	2.58	2.89	-1.24	0.1025	0.435736	CYP98A8	p-coumarate 3-hydroxylase
13466936	2.58	2.89	-1.24	0.28944	0.558007	AT4G10060	Beta-glucosidase, GBA2 type family protein
13498927	2.58	2.93	-1.28	0.334434	0.576521	AT5G07720	xyloglucan 6-xylosyltransferase
13486213	2.58	2.97	-1.31	0.190855	0.504133	HDG4	homeobox-leucine zipper protein HDG4
13452649	2.58	3.05	-1.38	0.12754	0.45753	PAP85	cupin family protein
13504385	2.58	3.05	-1.39	0.138528	0.46568	AT5G22190	hypothetical protein
13436327	2.58	3.11	-1.45	0.091157	0.428337	AT3G47140	F-box associated ubiquitination effector family protein
13393087	2.58	3.13	-1.46	0.280295	0.554326	AT2G15130	basic secretory protein family protein
13424238	2.58	3.24	-1.58	0.391197	0.600674	AT3G04660	F-box/kelch-repeat protein

13501547	2.58	3.31	-1.66	0.231869	0.528276	CA2	carbonic anhydrase 2
13527719	2.58	3.31	-1.66	0.107486	0.4394	AT5G18220; AT5G18210	O-Glycosyl hydrolases family 17 protein; Rossmann-fold NAD(P)-binding domain-containing protein
13363296	2.58	3.36	-1.71	0.267563	0.546492	AT1G04645	self-incompatibility protein S1-like protein
13358922	2.58	3.38	-1.75	0.129273	0.459395	ARP4A	actin-related proteins 4A
13488241	2.58	3.38	-1.75	0.409666	0.611174	AT4G22940	protein kinase family protein
13505435	2.58	3.53	-1.93	0.112279	0.443356	AT5G24820	aspartyl protease family protein
13449504	2.58	3.55	-1.96	0.323118	0.572294	AT3G14530	geranylgeranyl diphosphate synthase 9
13482517	2.58	3.57	-1.99	0.442149	0.630793	GASA2	gibberellin-regulated protein 2
13377083	2.58	3.59	-2.02	0.002048	0.253459	AT1G48580	hypothetical protein
13442009	2.58	3.61	-2.05	0.486562	0.65598	AT3G60966	protein binding / zinc ion binding protein
13497797	2.58	3.63	-2.07	0.019115	0.321499	AT5G05270	chalcone-flavanone isomerase-like proetin
13505705	2.58	3.65	-2.1	0.244986	0.535223	AT5G25550	leucine-rich repeat extensin-like protein 7
13388329	2.58	3.67	-2.14	0.391628	0.600886	AT1G76955	hypothetical protein
13460542	2.58	3.81	-2.34	0.527669	0.684629	AT3G55930	Pre-mRNA-splicing factor 3
13428988	2.58	3.83	-2.38	0.128075	0.45805	AT3G16175; AT3G16180	thioredoxin family protein; major facilitator protein
13417165	2.58	3.86	-2.43	0.083859	0.417946	AT2G35290	hypothetical protein
13493735	2.58	4.12	-2.9	0.219014	0.52121	AT4G35150	O-methyltransferase family 2 protein
13458342	2.58	4.22	-3.12	0.028524	0.346553	AT3G50610	hypothetical protein
13375493	2.58	4.42	-3.58	0.172433	0.489773	AT1G34510	peroxidase 8
13436324	2.58	4.87	-4.9	0.431831	0.624269	AT3G47130	F-box associated ubiquitination effector family protein
13435638	2.58	4.9	-4.98	0.005672	0.279573	AT3G44870	S-adenosyl-L-methionine-dependent methyltransferase-like protein
13354767	2.58	5.62	-8.2	0.371943	0.591916	AT1G63570	putative cysteine-rich repeat secretory protein 7
13412564	2.58	7.86	-38.84	0.005532	0.277927	TAT3	tyrosine aminotransferase 3
13523421	2.57	1.98	1.51	0.157271	0.479888	SOB5	suppressor of phytochrome b 5
13443621	2.57	2.07	1.42	0.006242	0.280665	COL2	zinc finger protein CONSTANS-LIKE 2
13348275	2.57	2.13	1.35	0.118975	0.449468	AT1G36240	large subunit ribosomal protein L30e
13395849	2.57	2.14	1.35	0.115285	0.446247	AT2G22320	hypothetical protein
13517496	2.57	2.19	1.3	0.315644	0.568462	AGL62	agamous-like MADS-box protein AGL62
13356361	2.57	2.19	1.29	0.132566	0.462428	AT1G67856; AT1G67855	RING/U-box domain-containing protein; hypothetical protein
13401666	2.57	2.24	1.25	0.622959	0.748814	AT2G36724	hypothetical protein
13354061	2.57	2.27	1.23	0.225389	0.524988	SYP124	syntaxin-124
13348057	2.57	2.32	1.19	0.623123	0.748884	AT1G35461	hypothetical protein
13381823	2.57	2.35	1.17	0.774358	0.852994	AT1G61200	homeobox-leucine zipper related-protein
13346313	2.57	2.35	1.16	0.239769	0.532669	AT1G30455	transcription regulator / translation initiation factor /zinc ion binding / transcription activator
13414345	2.57	2.35	1.16	0.560561	0.706361	CYP710A4	cytochrome P450, family 710, subfamily A
13445197	2.57	2.41	1.12	0.588982	0.726681	AT3G05860	MADS-box domain-containing protein
13447212	2.57	2.43	1.1	0.566777	0.710763	PAP16	putative inactive purple acid phosphatase 16
13353399	2.57	2.44	1.09	0.837536	0.897476	CF9	Carbohydrate-binding protein
13391267	2.57	2.45	1.09	0.667274	0.778978	AT2G03610	putative F-box protein
13516876	2.57	2.48	1.07	0.792193	0.865663	AGL82	protein agamous-like 82

13338081	2.57	2.5	1.05	0.794741	0.867522	AT1G09665	Toll-Interleukin-Resistance domain-containing protein
13430517	2.57	2.5	1.05	0.685163	0.791672	MPC	poly-A binding protein-like protein
13434249	2.57	2.5	1.05	0.755288	0.839888	AT3G28220	TRAF-like family protein
13426804	2.57	2.59	-1.01	0.858616	0.911793	AT3G11380	pentatricopeptide repeat-containing protein
13419729	2.57	2.63	-1.04	0.78605	0.861193		
13356763	2.57	2.67	-1.07	0.69904	0.801792	AT1G68845	hypothetical protein
13507095	2.57	2.68	-1.08	0.597433	0.731118	CDR1	aspartyl protease family protein
13334389	2.57	2.73	-1.12	0.47996	0.652001	MPK11	mitogen-activated protein kinase 11
13539876	2.57	2.75	-1.13	0.316291	0.568464		
13362376	2.57	2.76	-1.14	0.757295	0.841131	AT1G02470	SRPBCC ligand-binding domain-containing protein
13478270	2.57	2.77	-1.15	0.306286	0.565397		
13463907	2.57	2.79	-1.16	0.502733	0.66699	EDA8	Putative membrane lipoprotein
13395211	2.57	2.79	-1.17	0.664501	0.777145	AT2G20880	ethylene-responsive transcription factor ERF053
13533303	2.57	2.79	-1.17	0.709004	0.808664	AT5G38565	putative FBD-associated F-box protein
13364909	2.57	2.81	-1.19	0.239524	0.53262	AT1G07901	hypothetical protein
13397483	2.57	2.82	-1.19	0.544697	0.695513	AT2G26610	Transducin family protein / WD-40 repeat family protein
13417922	2.57	2.9	-1.25	0.178615	0.494539	XTH32	xyloglucan:xyloglucosyl transferase
13463358	2.57	2.94	-1.29	0.098962	0.433702	RR20	putative two-component response regulator ARR20
13417706	2.57	2.95	-1.3	0.034935	0.355472	AT2G36630	Sulfite exporter TauE/SafE family protein
13430498	2.57	2.95	-1.3	0.199955	0.509273	AT3G19310	PLC-like phosphodiesterase-like protein
13468440	2.57	2.94	-1.3	0.396683	0.604155	AT4G14280	armadillo/beta-catenin-like repeat-containing protein
13409992	2.57	2.96	-1.31	0.647661	0.765537	AT2G18200	hypothetical protein
13542364	2.57	2.96	-1.31	0.307589	0.565925	AT5G61997	hypothetical protein
13434947	2.57	3.06	-1.4	0.303599	0.564262	AT3G42560	putative pentatricopeptide repeat-containing protein
13441561	2.57	3.07	-1.41	0.182808	0.497689	AT3G60060	NAD(P)-binding Rossmann-fold-containing protein
13355742	2.57	3.07	-1.42	0.116986	0.446922	AT1G66245	hypothetical protein
13412147	2.57	3.1	-1.44	0.054721	0.386003	AT2G23945; AT2G23940	aspartyl protease family protein; hypothetical protein
13436880	2.57	3.11	-1.45	0.025803	0.33601	AT3G48208	Plant thionin family protein
13375362	2.57	3.13	-1.47	0.451354	0.63602	AT1G34047	defensin-like protein 208
13431656	2.57	3.15	-1.49	0.370429	0.591914	AT3G22050	putative cysteine-rich repeat secretory protein 35
13383463	2.57	3.16	-1.5	0.349213	0.581167	PHE1	MADS-box transcription factor PHERES 1
13391016	2.57	3.17	-1.52	0.320467	0.570925	OTP85	pentatricopeptide repeat-containing protein
13514980	2.57	3.21	-1.55	0.347399	0.58045	AT5G54550	hypothetical protein
13428127	2.57	3.23	-1.58	0.005553	0.277927	AT3G14480	glycine/proline-rich protein
13381622	2.57	3.25	-1.6	0.288769	0.557782	AGL55	protein agamous-like 55
13544715	2.57	3.25	-1.61	0.021383	0.325381	AT5G67411	putative scarecrow-like protein 16
13510624	2.57	3.27	-1.63	0.275103	0.550583	AT5G44760	C2 domain-containing protein
13373113	2.57	3.28	-1.64	0.468848	0.646015	PGP13	ABC transporter B family member 13
13505168	2.57	3.31	-1.67	0.094486	0.430979	AT5G23970	HXXXD-type acyl-transferase-like protein
13335993	2.57	3.39	-1.76	0.520064	0.678825	AT1G05085	hypothetical protein

13436250	2.57	3.41	-1.78	0.03133	0.351728	AT3G46850	Subtilase family protein
13361541	2.57	3.42	-1.79	0.068289	0.406394	AT1G80470	F-box/RNI-like/FBD-like domain-containing protein
13392175	2.57	3.49	-1.89	0.398853	0.605029	AT2G07280	hypothetical protein
13497806	2.57	3.62	-2.07	0.246823	0.535608	EXPA2	expansin A2
13492986	2.57	3.65	-2.11	0.323724	0.572692	AT4G33370	putative DEAD-box ATP-dependent RNA helicase 43
13391368	2.57	3.69	-2.17	0.052178	0.382481	AT2G03850	late embryogenesis abundant domain-containing protein
13431466	2.57	3.71	-2.21	0.069543	0.406403	AT3G21380	jacalin-like lectin domain-containing protein
13345523	2.57	3.76	-2.27	0.15549	0.47825	AT1G28307	hypothetical protein
13357574	2.57	3.75	-2.27	0.297796	0.562453	TIFY7	protein TIFY 7
13512185	2.57	3.77	-2.29	0.101133	0.434782		
13341038	2.57	3.79	-2.32	0.368069	0.590874	AT1G16770; VHP2;2	hypothetical protein; Pyrophosphate-energized membrane proton pump 3
13452808	2.57	3.9	-2.52	0.160207	0.482731	AT3G23171	hypothetical protein
13440247	2.57	3.92	-2.55	0.427705	0.621825	AT3G56600	phosphatidylinositol 3- and 4-kinase-like protein
13463291	2.57	4.02	-2.72	0.459286	0.640466	AT3G62380	hypothetical protein
13391862	2.57	4.06	-2.8	0.184893	0.49946	GRP-3	glycine-rich protein 3
13461326	2.57	4.25	-3.2	0.214324	0.518759	AT3G57770	putative protein kinase
13398947	2.57	4.29	-3.3	0.427859	0.621955	AT2G30430	hypothetical protein
13466875	2.57	4.57	-4.01	0.353229	0.583612	AT4G09850	hypothetical protein
13407459	2.57	5.04	-5.55	0.369227	0.591437	AT2G03300	Toll-Interleukin-Resistance domain-containing protein
13495235	2.57	6.01	-10.85	0.272867	0.549686	AT4G38401	hypothetical protein
13506274	2.56	2.14	1.35	0.612663	0.741772	AGL101	protein agamous-like 101
13532064	2.56	2.21	1.28	0.32126	0.571176	AT5G33421	hypothetical protein
13415420	2.56	2.23	1.26	0.216378	0.519792	AT2G31420	hypothetical protein
13407163	2.56	2.26	1.23	0.485048	0.654833	PP2-B8	putative F-box protein PP2-B8
13507410	2.56	2.26	1.23	0.388158	0.599123	CYP79A3P	cytochrome P450, family 79, subfamily A, polypeptide 3 pseudogene
13412803	2.56	2.29	1.21	0.096594	0.43273	AT2G25482	hypothetical protein
13545539	2.56	2.29	1.21	0.592932	0.72867		
13482259	2.56	2.37	1.14	0.514814	0.675415	AT4G08485	putative defensin-like protein 211
13383442	2.56	2.49	1.05	0.812491	0.880076	AT1G65240	aspartic proteinase-like protein 2
13509332	2.56	2.51	1.03	0.677571	0.786384	RGTA2	RAB geranylgeranyl transferase alpha subunit 2
13453563	2.56	2.58	-1.01	0.917024	0.949753	RALFL25	protein ralf-like 25
13511585	2.56	2.61	-1.03	0.869239	0.918739	AT5G47160	YDG/SRA domain-containing protein
13403245	2.56	2.61	-1.04	0.836898	0.896995	AT2G40435	hypothetical protein
13541995	2.56	2.61	-1.04	0.474608	0.648967	AT5G61110	zinc ion binding protein
13408841	2.56	2.68	-1.08	0.692339	0.796907	AT2G14288	hypothetical protein
13385709	2.56	2.71	-1.1	0.440441	0.629876	AT1G70390	putative F-box protein
13371561	2.56	2.73	-1.12	0.006893	0.285606	AT1G23270	hypothetical protein
13420913	2.56	2.72	-1.12	0.451408	0.636057	AT2G43740	jacalin-like lectin domain-containing protein
13495360	2.56	2.73	-1.12	0.737778	0.828049	AT4G38690	1-phosphatidylinositol phosphodiesterase-related protein
13373737	2.56	2.73	-1.13	0.101375	0.435108	AT1G29680	hypothetical protein
13462128	2.56	2.73	-1.13	0.474159	0.648712	AT3G59740	concanavalin A-like lectin kinase-like protein

13499373	2.56	2.76	-1.15	0.269058	0.547671	AT5G08610	DEAD-box ATP-dependent RNA helicase 26
13535011	2.56	2.77	-1.16	0.615396	0.743713	AT5G43660	iron ion binding / oxidoreductase
13411563	2.56	2.78	-1.17	0.429682	0.622826	EME1B	essential meiotic endonuclease 1B
13469668	2.56	2.81	-1.19	0.539848	0.692057	TPS02	terpene synthase 02
13407754	2.56	2.82	-1.2	0.720741	0.816881	AT2G04370	hypothetical protein
13354537	2.56	2.86	-1.23	0.240745	0.53343	AT1G62950	putative leucine-rich repeat transmembrane protein kinase
13392865	2.56	2.88	-1.25	0.119972	0.451029	AT2G14206	hypothetical protein
13376228	2.56	2.89	-1.26	0.283048	0.555666	GA20OX5	gibberellin 20-oxidase 5
13368634	2.56	2.93	-1.29	0.670212	0.781076	CNGC7; NDF1	cyclic nucleotide gated channel 7; NDH-dependent cyclic electron flow 1
13467251	2.56	2.93	-1.29	0.08852	0.424955	AT4G11030	long-chain acyl-CoA synthetase
13469552	2.56	2.92	-1.29	0.199629	0.508965	AT4G16460	hypothetical protein
13414546	2.56	2.96	-1.31	0.257779	0.541251	GSTU3	glutathione S-transferase tau 3
13512246	2.56	2.97	-1.33	0.374891	0.593164	AT5G48550	F-box protein
13532331	2.56	3.05	-1.4	0.12934	0.459395	AT5G35660	glycine-rich protein
13466586	2.56	3.07	-1.43	0.320927	0.570934	TOC75-IV	protein TOC75-4
13428122	2.56	3.14	-1.49	0.535723	0.689569	AT3G14452	hypothetical protein
13426723	2.56	3.16	-1.52	0.386174	0.598591	RLP35	receptor like protein 35
13515168	2.56	3.25	-1.61	0.037636	0.361469	AT5G54990	RING/U-box domain-containing protein
13520769	2.56	3.25	-1.61	0.426574	0.621097	AT5G01300	putative phosphatidylethanolamine-binding protein
13334327	2.56	3.27	-1.64	0.234795	0.529692	PIPK11	phosphatidylinositol-4-phosphate 5-kinase 10
13378891	2.56	3.28	-1.64	0.488772	0.657764	AT1G53023	Ubiquitin-conjugating enzyme family protein
13490022	2.56	3.33	-1.7	0.527174	0.684297	ATS1	caleosin 1
13418152	2.56	3.36	-1.74	0.014096	0.312248	AT2G37450	nodulin MtN21 /EamA-like transporter -protein
13397611	2.56	3.37	-1.75	0.298741	0.562461	AGL41	protein agamous-like 41
13520959	2.56	3.37	-1.76	0.310013	0.566973	CHX26	cation/H(+) antiporter 26
13515363	2.56	3.38	-1.77	0.305154	0.565001	AT5G55460; NHX3	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein; sodium/hydrogen exchanger 4
13346564	2.56	3.4	-1.79	0.007926	0.290374	AT1G30990	ligand-binding bet-v-1 domain-containing protein
13410394	2.56	3.47	-1.89	0.041732	0.368024	CKX2	cytokinin dehydrogenase 2
13366780	2.56	3.48	-1.89	0.31096	0.566973	AT1G11684	hypothetical protein
13540378	2.56	3.49	-1.91	0.201863	0.510189	PSD2	phosphatidylserine decarboxylase 2
13426607	2.56	3.66	-2.15	0.297239	0.56231	AT3G10790	putative F-box protein
13531956	2.56	3.75	-2.29	0.089379	0.426265	AT5G29231	hypothetical protein
13349716	2.56	3.78	-2.34	0.473509	0.648287	AT1G48720	hypothetical protein
13544604	2.56	3.8	-2.37	0.070419	0.406903	TOE3; AT5G67170	AP2-like ethylene-responsive transcription factor TOE3; SEC-C motif-containing protein / OTU-like cysteine protease family protein
13395826	2.56	3.86	-2.45	0.031659	0.352537	RABH1d	RAB GTPase-like protein H1D
13335449	2.56	3.87	-2.48	0.256538	0.540874	AT1G03810	Nucleic acid-binding, OB-fold-like protein
13515354	2.56	3.9	-2.53	0.313536	0.568024	AT5G55440	hypothetical protein
13349861	2.56	3.92	-2.56	0.289889	0.558085	RR19	protein response regulator 19
13485486	2.56	3.94	-2.6	0.266053	0.546291	RGF6	hypothetical protein

13351098	2.56	3.96	-2.63	0.030093	0.350098	PSAH2	photosystem I reaction center subunit VI-2
13531089	2.56	3.95	-2.64	0.079717	0.414251	AT5G26010	putative protein phosphatase 2C 72
13520638	2.56	3.99	-2.69	0.048168	0.37767	AT5G01015	hypothetical protein
13411916	2.56	4.13	-2.98	0.316362	0.568464	AT2G23171	hypothetical protein
13435943	2.56	4.25	-3.23	0.498376	0.663983		
13336908	2.56	4.42	-3.65	0.211456	0.516806	AT1G07280	tetratricopeptide repeat-containing protein-like protein
13539681	2.56	4.59	-4.1	0.343126	0.579024	AT5G55320	putative long-chain-alcohol O-fatty-acyltransferase 7
13452015	2.56	5.65	-8.53	0.029369	0.348027	PSBTN	photosystem II subunit T
13457890	2.56	7.07	-22.71	0.016359	0.315398	LSU1	response to low sulfur 1 protein
13394637	2.55	2.13	1.33	0.146231	0.470765	LBD8	LOB domain-containing protein 8
13510075	2.55	2.27	1.21	0.495437	0.66198	AT5G43550	F-box associated ubiquitination effector family protein
13457101	2.55	2.29	1.2	0.351984	0.582786	AT3G47410	hypothetical protein
13392654	2.55	2.3	1.19	0.397262	0.604224	AT2G13363	hypothetical protein
13509183	2.55	2.3	1.18	0.165792	0.486235	AT5G41470	Nuclear transport factor 2 (NTF2) family protein
13353052	2.55	2.39	1.12	0.675028	0.784577		
13353058	2.55	2.39	1.12	0.675028	0.784577		
13391140	2.55	2.44	1.08	0.66206	0.775846	AT2G03230	GCK domain-containing protein
13505129	2.55	2.45	1.07	0.70902	0.808664	AT5G23903	hypothetical protein
13407300	2.55	2.51	1.03	0.7376	0.828047	AT2G02835	hypothetical protein
13537148	2.55	2.51	1.03	0.59482	0.729814	AT5G48750	Cytochrome b561/ferric reductase transmembrane with DOMON related domain
13451071	2.55	2.52	1.02	0.932375	0.958912	AT3G18870	Mitochondrial transcription termination factor family protein
13457537	2.55	2.53	1.02	0.875773	0.923357	AT3G48630	hypothetical protein
13421010	2.55	2.58	-1.02	0.883592	0.928949	HOL2	putative thiol methyltransferase 1
13519106	2.55	2.57	-1.02	0.899167	0.93792	AT5G64190	hypothetical protein
13411040	2.55	2.59	-1.03	0.89776	0.936817	AT2G20720	pentatricopeptide repeat-containing protein
13516095	2.55	2.62	-1.05	0.641827	0.761281	CIA2	chloroplast import apparatus 2 protein
13375744	2.55	2.63	-1.06	0.271012	0.548723	PUM10	protein pumilio 10
13527561	2.55	2.67	-1.08	0.413439	0.613791	AT5G17730	AAA domain-containing protein
13527105	2.55	2.69	-1.1	0.565925	0.710369	THO7	Tho complex subunit 7/Mft1p
13393477	2.55	2.7	-1.11	0.63436	0.75676	AMS	transcription factor ABORTED MICROSPORES
13452433	2.55	2.73	-1.14	0.46679	0.645035	UGT71B6	UDP-glucosyl transferase 71B6
13524185	2.55	2.76	-1.16	0.673236	0.78345	AT5G10150	hypothetical protein
13347964	2.55	2.78	-1.17	0.01807	0.319749	PHI-1	Phosphate-responsive 1-like protein
13410207	2.55	2.79	-1.18	0.517527	0.677142	AT2G18969; AT2G18970	hypothetical protein
13342666	2.55	2.79	-1.19	0.450255	0.6356	AT1G20680	hypothetical protein
13390938	2.55	2.82	-1.21	0.596717	0.730981	AT2G02660	F-box associated ubiquitination effector-like protein
13352884	2.55	2.84	-1.22	0.162095	0.483932	AT1G56380	Mitochondrial transcription termination factor family protein
13410991	2.55	2.86	-1.24	0.495391	0.66198	AT2G20620	hypothetical protein
13443375	2.55	2.86	-1.24	0.479197	0.651723	AT3G01570	oleosin 5

13493897	2.55	2.9	-1.27	0.652616	0.769544	AT4G35610	zinc finger (C2H2 type) family protein
13400975	2.55	2.93	-1.3	0.454803	0.638112	AT2G35215	hypothetical protein
13337217	2.55	2.94	-1.31	0.508319	0.671222	AT1G08035	hypothetical protein
13540884	2.55	2.94	-1.31	0.338398	0.577332	AT5G58390	peroxidase 67
13423178	2.55	2.96	-1.33	0.518966	0.678046	AT3G02125	hypothetical protein
13359300	2.55	2.97	-1.34	0.067348	0.405555	PR5	pathogenesis-related protein 5
13404845	2.55	3.04	-1.4	0.347775	0.580603	AT2G44340	VQ motif-containing protein
13532968	2.55	3.05	-1.42	0.022524	0.327966	AT5G37473	putative defensin-like protein 277
13512209	2.55	3.06	-1.42	0.530591	0.686612	AT5G48510	BTB/POZ domain-containing protein
13379622	2.55	3.12	-1.48	0.0855	0.420629	AT1G54640	F-box family protein-like protein
13433381	2.55	3.12	-1.48	0.1229	0.453047	ATPRX Q	peroxiredoxin Q
13528064	2.55	3.12	-1.48	0.052851	0.383093	AT5G18910	protein kinase family protein
13381287	2.55	3.13	-1.49	0.292974	0.559559	BGLU6	beta glucosidase 6
13383074	2.55	3.14	-1.51	0.072691	0.408352	AT1G64290	F-box protein-like protein
13495161	2.55	3.18	-1.55	0.295938	0.561293	AT4G38300	glycosyl hydrolase family 10 protein
13514839	2.55	3.22	-1.59	0.240528	0.53337	AT5G54215	putative defensin-like protein 66
13379688	2.55	3.27	-1.64	0.24433	0.534851	AT1G55030	putative FBD-associated F-box protein
13483173	2.55	3.32	-1.7	0.338643	0.577413	AT4G11385	hypothetical protein
13434809	2.55	3.35	-1.74	0.111225	0.442715	AT3G31400	hypothetical protein
13517418	2.55	3.36	-1.76	0.010248	0.296261	AT5G60320	concanavalin A-like lectin kinase-like protein
13363308	2.55	3.37	-1.77	0.25143	0.538473	AT1G04660	glycine-rich protein
13517975	2.55	3.39	-1.79	0.069837	0.406403	AT5G61610	oleosin-like protein
13391392	2.55	3.39	-1.8	0.523716	0.681693	AT2G03913	putative defensin-like protein 57
13481177	2.55	3.42	-1.83	0.387761	0.598939	AT4G02910	hypothetical protein
13508152	2.55	3.51	-1.96	0.043862	0.373171	AT5G38680	putative F-box/kelch-repeat protein
13531791	2.55	3.58	-2.05	0.346831	0.58045	AT5G28450	light-harvesting complex I chlorophyll a/b binding protein 2
13392895	2.55	3.6	-2.06	0.493351	0.660551	AT2G14270	Cytochrome C oxidase polypeptide VIB family protein
13386828	2.55	3.71	-2.22	0.218183	0.520726	AT1G73325	Kunitz family trypsin and protease inhibitor protein
13508149	2.55	3.83	-2.42	0.119813	0.450785	AT5G38670	F-box/kelch-repeat protein
13413693	2.55	3.92	-2.59	0.07929	0.414078	BLH5	BEL1-like homeodomain 5
13414913	2.55	3.92	-2.59	0.113098	0.444281	TCL2	protein trichomeless 2
13524809	2.55	3.96	-2.66	0.367165	0.590549	CID5	CTC-interacting domain 5
13342422	2.55	4.01	-2.74	0.416438	0.615562		
13462986	2.55	4.2	-3.12	0.333204	0.576298	AT3G61763	hypothetical protein
13429536	2.55	4.25	-3.25	0.472602	0.648141	AT3G17400	F-box protein
13488066	2.55	4.41	-3.63	0.278591	0.553252	AT4G22485	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13471325	2.55	4.62	-4.21	0.451074	0.635828	AT4G20670	hypothetical protein
13475133	2.55	4.75	-4.6	0.021099	0.324489	RHS16	protein root hair specific 16
13371290	2.55	4.86	-4.96	0.216623	0.519792	AT1G22480	plastocyanin-like domain-containing protein
13530165	2.55	6.17	-12.28	0.059872	0.395174	SQP2	Squalene monooxygenase 2
13545345	2.54	2.03	1.43	0.276327	0.551284	ArthMp084	hypothetical protein
13533431	2.54	2.18	1.28	0.136392	0.465212	BR6OX1	brassinosteroid-6-oxidase 1
13366782	2.54	2.25	1.22	0.576009	0.716795		
13371011	2.54	2.39	1.11	0.54844	0.698421	AT1G21810	hypothetical protein
13492072	2.54	2.39	1.11	0.222161	0.523368	AT4G31680	B3 domain-containing protein REM8
13481582	2.54	2.43	1.08	0.42265	0.618767	AT4G04580	myb family transcription factor

13431439	2.54	2.44	1.07	0.608034	0.738044	AT3G21338	hypothetical protein
13381883	2.54	2.46	1.06	0.56609	0.710483	AT1G61390	putative S-locus protein kinase
13539265	2.54	2.47	1.05	0.863239	0.914676	AT5G54150	hypothetical protein
13541589	2.54	2.47	1.05	0.87912	0.925998	AT5G60090	protein kinase family protein
13527452	2.54	2.48	1.04	0.843914	0.901506	AT5G17470	putative calcium-binding protein CML32
13533735	2.54	2.55	-1.01	0.599095	0.731685	AT5G40040	60S acidic ribosomal protein P2-5
13363544	2.54	2.59	-1.03	0.658063	0.77354	AT1G05020	clathrin coat assembly protein AP180
13372260	2.54	2.59	-1.03	0.884038	0.929261	MEE8	transcription factor MEE8
13465196	2.54	2.61	-1.05	0.496085	0.662536	AT4G03040	hypothetical protein
13483292	2.54	2.63	-1.06	0.639587	0.760106	AT4G11750	putative F-box/kelch-repeat protein
13400516	2.54	2.64	-1.07	0.887476	0.93106		
13415879	2.54	2.65	-1.08	0.130006	0.459898	MYB101	myb domain protein 101
13431174	2.54	2.67	-1.09	0.653494	0.770183	AT3G20610	putative non-race specific disease resistance protein
13440950	2.54	2.66	-1.09	0.544993	0.695768	AT3G58540	hypothetical protein
13534278	2.54	2.66	-1.09	0.39915	0.605136	AT5G41590	hypothetical protein
13362560	2.54	2.68	-1.1	0.474464	0.64888	GSTF5	glutathione S-transferase
13533621	2.54	2.67	-1.1	0.783066	0.85901		
13537742	2.54	2.68	-1.1	0.788372	0.862878		
13341273	2.54	2.71	-1.12	0.50932	0.671706	AHA10	H+-transporting ATPase
13489263	2.54	2.7	-1.12	0.571851	0.714046	AT4G25020	D111/G-patch domain-containing protein
13474487	2.54	2.74	-1.15	0.450841	0.635828	AT4G27980	hypothetical protein
13424886	2.54	2.75	-1.16	0.495193	0.661839	AT3G05980	hypothetical protein
13399956	2.54	2.79	-1.18	0.640223	0.760348	AT2G32650	RmlC-like cupin-like protein
13384098	2.54	2.79	-1.19	0.328196	0.574416	AT1G66840	plastid movement impaired 2 protein
13469492	2.54	2.8	-1.2	0.166327	0.486355	AT4G16270	peroxidase 40
13512937	2.54	2.84	-1.24	0.270703	0.54852	AT5G50040	plant invertase/pectin methylesterase inhibitor domain-containing protein
13480320	2.54	2.87	-1.26	0.383608	0.597744		
13510650	2.54	2.87	-1.26	0.340989	0.578438	AT5G44894	hypothetical protein
13488450	2.54	2.91	-1.3	0.397685	0.60452	CRK18	cysteine-rich receptor-like protein kinase 18
13435099	2.54	2.97	-1.34	0.234277	0.52953	AT3G43420	hypothetical protein
13338862	2.54	3.04	-1.42	0.356003	0.584638	AT1G11572	Plant thionin family protein
13390923	2.54	3.17	-1.55	0.50406	0.668099	AT2G02610	cysteine/histidine-rich C1 domain-containing protein
13363905	2.54	3.18	-1.56	0.276057	0.551093	CHX23	cation/H(+) antiporter 23
13482990	2.54	3.22	-1.61	0.290728	0.558722	AT4G10860	hypothetical protein
13351613	2.54	3.33	-1.73	0.243026	0.534289	AT1G53360	F-box associated ubiquitination effector family protein
13481514	2.54	3.33	-1.73	0.058104	0.392898	AT4G03728	hypothetical protein
13473551	2.54	3.35	-1.76	0.04991	0.379304	AT4G25845; ORP4B	hypothetical protein; OSBP(oxysterol binding protein)-related protein 4B
13543531	2.54	3.37	-1.78	0.116578	0.446833	AT5G64820	hypothetical protein
13355254	2.54	3.44	-1.87	0.354431	0.584307	AT1G64800	DNA binding / transcription factor
13452481	2.54	3.44	-1.88	0.048771	0.377942	AT3G21890	B-box type zinc finger-containing protein
13389941	2.54	3.45	-1.88	0.278643	0.553318	TMM	protein TOO MANY MOUTHS
13539151	2.54	3.44	-1.88	0.353123	0.583563	ENODL1	early nodulin-like protein 1
13498187	2.54	3.46	-1.9	0.376969	0.593611	AT5G06010	hypothetical protein
13404026	2.54	3.48	-1.92	0.143793	0.469269	AT2G42220	rhodanese-like domain-containing protein

13396737	2.54	3.48	-1.93	0.413562	0.61391	AT2G24617; AT2G24620	hypothetical protein; S-locus glycoprotein-like protein
13347756	2.54	3.53	-1.98	0.299804	0.56286	RLP5	receptor like protein 5
13392618	2.54	3.63	-2.13	0.272308	0.549146	UNE4	Basic-leucine zipper (bZIP) transcription factor family protein
13472475	2.54	3.65	-2.16	0.260643	0.542969	CORI3	cystine lyase
13545681	2.54	3.67	-2.19	0.339788	0.578001	AT5G49040; OVA2	disease resistance-responsive, dirigent domain-containing protein; isoleucyl-tRNA synthetase
13357196	2.54	3.76	-2.32	0.000417	0.198504	AT1G69860	nitrate transporter 1
13429849	2.54	3.81	-2.4	0.228005	0.526027	AT3G17980	calcium-dependent lipid-binding domain-containing protein
13456148	2.54	3.85	-2.47	0.292443	0.559559	AT3G44810	F-box protein
13537539	2.54	3.94	-2.63	0.341387	0.578648	FRO6	ferric reduction oxidase 6
13385963	2.54	3.95	-2.66	0.405009	0.609014	GLIP6	GDSL esterase/lipase 6
13457856	2.54	3.96	-2.69	0.371865	0.591916	AT3G49460	hypothetical protein
13518616	2.54	4	-2.76	0.405617	0.609101	AT5G62970	putative F-box/FBD/LRR-repeat protein
13400589	2.54	4.1	-2.93	0.180441	0.495835	AT2G34330	hypothetical protein
13375044	2.54	4.25	-3.28	0.01658	0.316275	AT1G32970	Subtilisin-like serine endopeptidase family protein
13514893	2.54	4.48	-3.83	0.44719	0.634156	AT5G54320	hypothetical protein
13334994	2.54	4.57	-4.11	0.232402	0.528375	AT1G02700	hypothetical protein
13418331	2.54	5.4	-7.26	0.010982	0.297771	AT2G37900	putative peptide/nitrate transporter
13393289	2.53	1.67	1.81	0.112933	0.444045	AT2G15960	hypothetical protein
13446314	2.53	1.77	1.68	0.038961	0.364658	AT3G07840	polygalacturonase-like protein
13380412	2.53	2.07	1.37	0.297153	0.562298	AT1G56385	Plant self-incompatibility protein S1 family
13388429	2.53	2.16	1.29	0.24692	0.535608	AT1G77160	hypothetical protein
13380592	2.53	2.23	1.23	0.143173	0.469019		
13545571	2.53	2.23	1.23	0.666745	0.778782		
13347590	2.53	2.27	1.2	0.488154	0.657244	PP2-A4	phloem protein 2-A4
13429384	2.53	2.33	1.14	0.234996	0.529694	AT3G17010	AP2/B3 domain-containing protein
13413514	2.53	2.36	1.12	0.68292	0.789992	AT2G26940	C2H2-type zinc finger family protein
13363080	2.53	2.39	1.1	0.590688	0.727179	AT1G04171	hypothetical protein
13454896	2.53	2.4	1.09	0.419558	0.617082	AT3G28780	hypothetical protein
13457618	2.53	2.41	1.08	0.829575	0.891687	AT3G48940	Remorin-like protein
13541845	2.53	2.44	1.07	0.606987	0.737429	RLK1	receptor-like protein kinase 1
13436298	2.53	2.44	1.06	0.70277	0.804296	AT3G47020	putative F-box protein
13372657	2.53	2.46	1.05	0.220234	0.52188	GRF12	14-3-3-like protein GF14 iota
13435766	2.53	2.48	1.04	0.838662	0.898279	MLO3; IVD	MLO-like protein 3; isovaleryl-CoA-dehydrogenase
13414069	2.53	2.5	1.03	0.893648	0.934619	ATCHX7	cation/H(+) antiporter 7
13358375	2.53	2.51	1.01	0.943888	0.96651	AT1G72620	alpha/beta-hydrolase domain-containing protein
13368764	2.53	2.56	-1.02	0.916568	0.949591	AT1G16360	putative ALA-interacting subunit 4
13391151	2.53	2.56	-1.02	0.888898	0.931997	AT2G03320	hypothetical protein
13451250	2.53	2.57	-1.03	0.663373	0.776461	CYP707A4	abscisic acid 8'-hydroxylase 4
13349820	2.53	2.59	-1.04	0.768957	0.849269	AT1G49010	myb/SANT-like DNA-binding domain-containing protein
13542845	2.53	2.59	-1.04	0.800322	0.871352	AT5G63250	carbohydrate-binding X8 domain-containing protein

13433989	2.53	2.6	-1.05	0.522977	0.681169	AT3G27590	hypothetical protein
13510675	2.53	2.6	-1.05	0.758077	0.841579	AT5G44960	FBD domain-containing protein
13360431	2.53	2.63	-1.07	0.679687	0.788006	AGL67	protein agamous-like 67
13473051	2.53	2.63	-1.07	0.686387	0.792527	AT4G24600	hypothetical protein
13408626	2.53	2.63	-1.08	0.150408	0.473213	AT2G13350	C2 domain-containing protein
13473182	2.53	2.65	-1.09	0.736202	0.827384	AT4G24973	self-incompatibility S1 family protein
13407011	2.53	2.67	-1.1	0.508613	0.671369	AT2G01870; EMB975	hypothetical protein; pentatricopeptide repeat-containing protein
13410918	2.53	2.74	-1.15	0.129482	0.459408	TIM44-1; AT2G20500; AT2G20495	translocase inner membrane subunit 44-1; hypothetical protein
13458258	2.53	2.72	-1.15	0.77022	0.850204	AT3G50373	hypothetical protein
13470527	2.53	2.75	-1.16	0.014518	0.313095	DOT4	pentatricopeptide repeat-containing protein
13461373	2.53	2.78	-1.19	0.140077	0.466502	AT3G57900	hypothetical protein
13433456	2.53	2.81	-1.22	0.207687	0.513587	TEL1	terminal EAR1-like 1
13415757	2.53	2.83	-1.23	0.559884	0.70595	AT2G32050	hypothetical protein
13357129	2.53	2.85	-1.24	0.397031	0.604224	AT1G69710	regulator of chromosome condensation and FYVE zinc finger domain-containing protein
13446628	2.53	2.84	-1.24	0.182183	0.497223	RGP3; AT3G08890	reversibly glycosylated polypeptide 3; hypothetical protein
13452457	2.53	2.84	-1.25	0.144119	0.469359	SK8	S-phase kinase-associated protein 1
13354973	2.53	2.86	-1.26	0.238049	0.532053	AT1G64160	Disease resistance-responsive (dirigent-like protein) family protein
13393771	2.53	2.87	-1.26	0.237575	0.531762	MLO7	MLO-like protein 7
13346514	2.53	2.88	-1.27	0.346189	0.58045	RSH4	protein root hair specific 4
13540201	2.53	2.87	-1.27	0.526652	0.683824	GNC	GATA transcription factor 21
13371628	2.53	2.9	-1.3	0.103941	0.43639	AT1G23350	plant invertase/pectin methylesterase inhibitor domain-containing protein
13412007	2.53	2.94	-1.33	0.14369	0.469269	SDT	spermidine disinapoyl acyltransferase
13422664	2.53	2.95	-1.33	0.216825	0.51997	GPX4	glutathione peroxidase
13542503	2.53	2.96	-1.34	0.320166	0.570636	AT5G62400	hypothetical protein
13419375	2.53	2.96	-1.36	0.474564	0.648955	PYL6	abscisic acid receptor PYL6
13428544	2.53	3.01	-1.39	0.600554	0.732666	AT3G15251	hypothetical protein
13415264	2.53	3.03	-1.41	0.349302	0.581187	AT2G31100	alpha/beta-hydrolase domain-containing protein
13421676	2.53	3.07	-1.45	0.31267	0.567721	CYP76C3	cytochrome P450 76C3
13347736	2.53	3.08	-1.47	0.417213	0.615875	EPF2	protein EPIDERMAL PATTERNING FACTOR 2
13463517	2.53	3.1	-1.49	0.495654	0.662146	AT3G63040	hypothetical protein
13520142	2.53	3.11	-1.49	0.391886	0.601152	AT5G66340	hypothetical protein
13342259	2.53	3.11	-1.5	0.38392	0.597749	AT1G19460	Kelch repeat-containing protein
13466458	2.53	3.13	-1.52	0.411236	0.612467	AT4G08800	protein kinase family protein
13488312	2.53	3.14	-1.53	0.438358	0.62848	AT4G23020	hypothetical protein
13529288	2.53	3.21	-1.6	0.325573	0.57345	MS1	RING/FYVE/PHD zinc finger-containing protein
13414273	2.53	3.25	-1.65	0.312056	0.567398	AT2G28680	RmlC-like cupin
13531858	2.53	3.34	-1.75	0.487291	0.656578	ANX2	receptor-like protein kinase ANXUR2

13472487	2.53	3.34	-1.76	0.138885	0.465878	AT4G23610; AT4G23620	late embryogenesis abundant hydroxyproline-rich glycoprotein; ribosomal L25/TL5/CTC N-terminal 5S rRNA binding domain-containing protein
13373968	2.53	3.37	-1.79	0.403201	0.607678	AT1G30020; AT1G30010	hypothetical protein; Intron maturase, type II-like protein
13529463	2.53	3.37	-1.8	0.284687	0.55631	AT5G22560	hypothetical protein
13465055	2.53	3.4	-1.83	0.048976	0.377942	AT4G02690	BAX inhibitor-1 motif-containing protein
13365080	2.53	3.41	-1.84	0.032868	0.354018	ATCHX5	cation/H(+) antiporter 5
13378538	2.53	3.47	-1.91	0.21099	0.516304	AT1G52120	jacalin-like lectin domain-containing protein
13381901	2.53	3.52	-1.98	0.331992	0.576244	AT1G61410	DNA double-strand break repair and VJ recombination XRCC4 protein
13361030	2.53	3.54	-2.01	0.194834	0.505856		
13361032	2.53	3.54	-2.01	0.194834	0.505856		
13413838	2.53	3.54	-2.01	0.194834	0.505856		
13427228	2.53	3.54	-2.01	0.194834	0.505856		
13439051	2.53	3.54	-2.01	0.194834	0.505856		
13501242	2.53	3.54	-2.01	0.194834	0.505856		
13514160	2.53	3.54	-2.01	0.194834	0.505856		
13517869	2.53	3.54	-2.01	0.194834	0.505856		
13535318	2.53	3.54	-2.01	0.194834	0.505856		
13537099	2.53	3.54	-2.01	0.194834	0.505856		
13438221	2.53	3.54	-2.02	0.112831	0.443921	EM1	Em-like protein GEA1
13496726	2.53	3.55	-2.02	0.480527	0.65238	AT5G02811	hypothetical protein
13483628	2.53	3.67	-2.21	0.027266	0.341666	AT4G12510; AT4G12520	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13414794	2.53	3.81	-2.42	0.127642	0.45753	ATCHX13	cation/H(+) symporter 13
13337852	2.53	4.04	-2.85	0.240726	0.53343	SARA1A	Arf/Sar family protein
13353334	2.53	4.07	-2.9	0.418436	0.616376	AT1G58643; AT1G58936; AT1G59312	Inositol-pentakisphosphate 2-kinase-like protein
13353362	2.53	4.07	-2.9	0.418436	0.616376	AT1G58643; AT1G58936; AT1G59312	Inositol-pentakisphosphate 2-kinase-like protein
13353391	2.53	4.07	-2.9	0.418436	0.616376	AT1G58643; AT1G58936; AT1G59312	Inositol-pentakisphosphate 2-kinase-like protein
13479533	2.53	4.1	-2.96	0.016184	0.315398	AT4G39360	hypothetical protein
13536014	2.53	4.21	-3.2	0.34234	0.579015	AT5G45973	hypothetical protein
13483561	2.53	4.41	-3.68	0.390663	0.600347	AT4G12380	hypothetical protein
13374442	2.53	5.05	-5.74	0.021942	0.326278	PSAF; AT2G47890	photosystem I reaction center subunit III; zinc finger protein CONSTANS-LIKE 13

13471320	2.53	5.63	-8.56	0.22749	0.525653	AT4G20650; AT4G20640; AT4G20630; AT4G20620; AT4G20610; AT4G20600; AT4G20590; AT4G20580; AT4G20570; AT4G20560; AT4G20550; AT4G20540; AT4G20530; AT4G20670; AT3G21990	receptor-like protein kinase-related protein; cysteine-rich repeat secretory protein 43; cysteine-rich repeat secretory protein 44; cysteine-rich repeat secretory protein 45; cysteine-rich repeat secretory protein 46; cysteine-rich repeat secretory protein 47; cysteine-rich repeat secretory protein 48; cysteine-rich repeat secretory protein 49; cysteine-rich repeat secretory protein 50; cysteine-rich repeat secretory protein 51; cysteine-rich repeat secretory protein 52; cysteine-rich repeat secretory protein 53; cysteine-rich repeat secretory protein 54; hypothetical protein; cysteine-rich repeat secretory protein 29
13373448	2.53	5.99	-10.98	0.027833	0.344226	AT1G28660	GDSL esterase/lipase
13525827	2.52	1.78	1.67	0.083118	0.417856		
13545467	2.52	1.86	1.58	0.097585	0.433275		
13514106	2.52	1.99	1.45	0.17198	0.489658	AT5G52710	copper transport family protein
13385866	2.52	2.09	1.35	0.13112	0.461002	MLP31	MLP-like protein 31
13356768	2.52	2.13	1.3	0.269011	0.547659	SOFL2	SOB five-like 2 protein
13345042	2.52	2.16	1.29	0.308736	0.566484	AT1G27240	paired amphipathic helix repeat-containing protein
13373339	2.52	2.21	1.24	0.069465	0.406403	CYP705A24	cytochrome P450, family 705, subfamily A, polypeptide 24
13461567	2.52	2.3	1.17	0.473408	0.648287	AT3G58370	TRAF-like family protein
13458396	2.52	2.34	1.13	0.333604	0.576298	AT3G50695	hypothetical protein
13370249	2.52	2.36	1.12	0.104644	0.437012	GH9B5	endoglucanase 2
13435256	2.52	2.4	1.09	0.703721	0.804883	AT3G43900	hypothetical protein
13497831	2.52	2.45	1.05	0.821134	0.885593	AT5G05350	PLAC8 family protein
13509009	2.52	2.5	1.01	0.96082	0.976791	AT5G41030	transcription factor TCP6
13409057	2.52	2.56	-1.03	0.532135	0.687596	AGL95	protein agamous-like 95
13513782	2.52	2.59	-1.05	0.638796	0.759451	AT5G51845	putative defensin-like protein 270
13360339	2.52	2.61	-1.06	0.761055	0.843475	AT1G77746	hypothetical protein
13434192	2.52	2.62	-1.07	0.751715	0.837363	AT3G28100	nodulin MtN21 /EamA-like transporter family protein
13517531	2.52	2.66	-1.1	0.802353	0.8726	AT5G60553	defensin-like protein 272
13455235	2.52	2.72	-1.15	0.317648	0.569216	AT3G29690	HXXXD-type acyl-transferase family protein
13493194	2.52	2.74	-1.16	0.175854	0.492353	CER4	fatty acyl-CoA reductase 3
13464355	2.52	2.76	-1.17	0.25804	0.541251	AT4G01340	CHP-rich zinc finger protein-like protein
13521861	2.52	2.75	-1.17	0.515187	0.675579	ACA3; AT5G04170	carbonic anhydrase; putative calcium-binding protein CML50
13440784	2.52	2.76	-1.18	0.493101	0.660403	AT3G57960	Emsy N Terminus (ENT) domain-containing protein
13339461	2.52	2.77	-1.19	0.565175	0.709615	AT1G12855	F-box family protein
13508878	2.52	2.79	-1.21	0.535699	0.689569	AT5G40750	FBD / Leucine Rich Repeat domains containing protein
13499266	2.52	2.83	-1.24	0.540677	0.692671	AT5G08460	GDSL esterase/lipase

13462025	2.52	2.84	-1.25	0.234155	0.529497	CR4	serine/threonine-protein kinase-like protein ACR4
13433917	2.52	2.86	-1.26	0.335158	0.576654	AT3G27415; AT3G27416	hypothetical protein
13525569	2.52	2.86	-1.27	0.428248	0.622235	AT5G13400	putative peptide/nitrate transporter
13456412	2.52	2.87	-1.28	0.166426	0.486587	AT3G45560	C3H4 type zinc finger protein
13347293	2.52	2.9	-1.3	0.305247	0.565001		
13395480	2.52	2.9	-1.3	0.191836	0.50495	AT2G21420	IBR domain containing protein
13363718	2.52	2.91	-1.31	0.175079	0.492147	AT1G05291	hypothetical protein
13427872	2.52	2.91	-1.31	0.514138	0.674915	LBD22; AT3G13857; HSP60-3A	LOB domain-containing protein 22; hypothetical protein; chaperonin CPN60-like 2
13448041	2.52	2.92	-1.32	0.138538	0.46568	AT3G11870	Endoribonuclease/protein kinase IRE1-like protein
13335291	2.52	2.94	-1.33	0.205155	0.512056	AT1G03320	hypothetical protein
13384742	2.52	2.93	-1.33	0.138383	0.46568	AT1G67910	hypothetical protein
13461388	2.52	2.94	-1.34	0.057108	0.391414	AT3G57958	hypothetical protein
13381669	2.52	2.96	-1.36	0.085752	0.420667	AT1G60970	coatomer subunit zeta-1
13519511	2.52	2.96	-1.36	0.436889	0.627757	AT5G65005	nucleic acid binding protein
13533880	2.52	2.98	-1.37	0.147659	0.471804	MYB22	myb domain protein 22
13499758	2.52	3	-1.4	0.135291	0.464048	AT5G09940	hypothetical protein
13344024	2.52	3.05	-1.44	0.014909	0.313095		
13379138	2.52	3.04	-1.44	0.524842	0.682416	AT1G53635	hypothetical protein
13498481	2.52	3.06	-1.45	0.489151	0.65792	SRF2	STRUBBELIG-receptor family 2
13502561	2.52	3.05	-1.45	0.305462	0.565001	ENH1	rubredoxin family protein
13353252	2.52	3.06	-1.46	0.319622	0.570449	AT1G58265	cytochrome P450-related protein
13435844	2.52	3.1	-1.5	0.232178	0.528375	AT3G45690	major facilitator protein
13420972	2.52	3.13	-1.53	0.020296	0.322692	AT2G43860	putative polygalacturonase
13449044	2.52	3.17	-1.56	0.020166	0.322692	RLI1	ABC transporter E family member 1
13419752	2.52	3.18	-1.59	0.570848	0.713066	AT2G41233	hypothetical protein
13410452	2.52	3.25	-1.66	0.181815	0.496969	AT2G19650	cysteine/histidine-rich C1 domain-containing protein
13376174	2.52	3.32	-1.75	0.330411	0.575605	AT1G43760	DNAse I-like superfamily protein
13442481	2.52	3.38	-1.81	0.311099	0.566973	AT3G61950	transcription factor bHLH67
13374347	2.52	3.4	-1.84	0.129309	0.459395	AT1G31040	PLATZ transcription factor family protein
13369306	2.52	3.55	-2.04	0.259607	0.542423	AT1G17710	Pyridoxal phosphate phosphatase-related protein
13397280	2.52	3.59	-2.09	0.181358	0.49681	AT2G26135	RING/U-box protein with C6HC-type zinc finger
13484129	2.52	3.6	-2.12	0.327067	0.574063	AT4G13680	hypothetical protein
13343073	2.52	3.63	-2.16	0.289096	0.557782	AT1G21695	hydroxyproline-rich glycoprotein family protein
13428573	2.52	3.83	-2.47	0.339947	0.578031	AT3G15359	hypothetical protein
13352099	2.52	7.16	-24.98	0.111863	0.443131	AT1G54420	hypothetical protein
13545589	2.51	1.93	1.5	0.16151	0.483432	AT2G02750	pentatricopeptide repeat-containing protein
13511274	2.51	1.94	1.49	0.193656	0.505856	AT5G46490	TIR-NBS-LRR class disease resistance protein
13533174	2.51	2.12	1.31	0.016429	0.316013	AT5G38130	HXXXD-type acyl-transferase-like protein
13527654	2.51	2.15	1.28	0.201823	0.510189	AT5G17970	TIR-NBS-LRR class disease resistance protein

13544335	2.51	2.2	1.24	0.152565	0.475288	AT5G66500	pentatricopeptide repeat-containing protein
13385426	2.51	2.24	1.2	0.57942	0.719442	AT1G69660	TRAF-like family protein
13345017	2.51	2.31	1.15	0.517937	0.677364	AT1G27160	valyl-tRNA synthetase / valine--tRNA ligase-like protein
13480492	2.51	2.31	1.15	0.423384	0.619098	AT4G01260	DNA-binding storekeeper protein-related transcriptional regulator
13507752	2.51	2.32	1.14	0.653693	0.77024	AT5G37430	hypothetical protein
13359266	2.51	2.36	1.11	0.222875	0.524028	AT1G74870	RING/U-box domain-containing protein
13534076	2.51	2.36	1.11	0.469862	0.646758	AT5G41050	Pollen Ole e 1 allergen and extensin family protein
13477695	2.51	2.44	1.05	0.829516	0.891658	AT4G34810	SAUR-like auxin-responsive protein
13500095	2.51	2.5	1.01	0.954176	0.972632	AT5G10880	tRNA synthetase/ligase-related protein
13530062	2.51	2.49	1.01	0.966837	0.980576	AT5G23908	hypothetical protein
13486149	2.51	2.57	-1.04	0.726655	0.820869	AT4G17590	hypothetical protein
13408027	2.51	2.58	-1.05	0.579278	0.719329	AT2G05752	hypothetical protein
13379744	2.51	2.63	-1.09	0.742165	0.830722	AT1G55220	hypothetical protein
13384818	2.51	2.64	-1.09	0.548179	0.698275	BPC3	basic pentacysteine 3
13471090	2.51	2.62	-1.09	0.659489	0.774452	AT4G20220	Reverse transcriptase (RNA-dependent DNA polymerase)
13505158	2.51	2.66	-1.1	0.296608	0.561924	TPS21	alpha-humulene/(-)-(E)-beta-caryophyllene synthase
13398738	2.51	2.67	-1.12	0.508251	0.671222	AT2G29710	UDP-glycosyltransferase-like protein
13411260	2.51	2.72	-1.16	0.637507	0.758771	AT2G21210	SAUR-like auxin-responsive protein
13361638	2.51	2.73	-1.17	0.147007	0.470962	CMT1	putative DNA (cytosine-5)-methyltransferase CMT1
13454993	2.51	2.76	-1.19	0.615351	0.743703	AT3G28990	hypothetical protein
13439886	2.51	2.83	-1.25	0.230988	0.527788	AT3G55646	hypothetical protein
13512944	2.51	2.92	-1.33	0.248821	0.536581	AT5G50060	plant invertase/pectin methylesterase inhibitor domain-containing protein
13462198	2.51	2.94	-1.35	0.113096	0.444281	AT3G59830	Integrin-linked protein kinase family protein
13491644	2.51	2.95	-1.36	0.139905	0.466398	ENODL12	early nodulin-like protein 12
13398118	2.51	2.99	-1.4	0.148143	0.471967	AT2G28220	aspartyl protease-like protein
13512023	2.51	3.01	-1.41	0.037315	0.360697	XTH20	xyloglucan endotransglucosylase/hydrolase protein 20
13389072	2.51	3.02	-1.42	0.442564	0.630991	AT1G78740	RNI-like superfamily protein
13356599	2.51	3.06	-1.46	0.375507	0.593207	AT1G68420	class II tRNA amino-acyl synthetase-like catalytic core domain-containing protein
13533739	2.51	3.09	-1.49	0.087376	0.423161	AT5G40050	putative F-box protein
13463166	2.51	3.1	-1.5	0.269114	0.547671	AT3G62180	plant invertase/pectin methylesterase inhibitor domain-containing protein
13340457	2.51	3.12	-1.52	0.067274	0.405555	AT1G15630	hypothetical protein
13454146	2.51	3.12	-1.53	0.075994	0.410503	CDG1	protein kinase family protein
13444498	2.51	3.15	-1.56	0.112116	0.443327	LTL1	GDSL esterase/lipase LTL1
13523490	2.51	3.15	-1.56	0.242839	0.534256	AT5G08250	cytochrome P450 86B1
13482750	2.51	3.17	-1.57	0.336381	0.576994	AT4G10290	cupin domain-containing protein
13457018	2.51	3.17	-1.58	0.047607	0.37767	AT3G47070	hypothetical protein
13469598	2.51	3.18	-1.59	0.509967	0.672033	CSLA01	cellulose synthase-like A01
13400661	2.51	3.19	-1.6	0.204083	0.511039	LHB1B1	light-harvesting complex II chlorophyll a/b binding protein 1
13411811	2.51	3.2	-1.61	0.174536	0.4916	bZIP6	basic leucine-zipper 6

13381026	2.51	3.21	-1.63	0.08997	0.427018	GH3.4	indole-3-acetic acid-amido synthetase GH3.4
13473418	2.51	3.22	-1.63	0.15711	0.479669	FWA	homeobox-leucine zipper protein HDG6
13349165	2.51	3.23	-1.66	0.329046	0.574751	AT1G47317	defensin-like protein 289
13483519	2.51	3.29	-1.72	0.094649	0.431062	AT4G12190	RING/U-box domain-containing protein
13342153	2.51	3.34	-1.78	0.402844	0.607432	LHCA6	light-harvesting complex I chlorophyll a/b binding protein 2
13408033	2.51	3.34	-1.79	0.587926	0.725999	AT2G05753; AT2G05755	hypothetical protein; nodulin MtN21 /EamA-like transporter protein
13441679	2.51	3.35	-1.79	0.341184	0.57855	AT3G60290	oxidoreductase
13452810	2.51	3.39	-1.85	0.145805	0.470399	AT3G23172	hypothetical protein
13356664	2.51	3.51	-1.99	0.282056	0.555268	PCR11	cadmium resistance 11 protein
13348788	2.51	3.52	-2.02	0.125031	0.454106	AT1G44414	hypothetical protein
13455851	2.51	3.58	-2.1	0.105239	0.43719	AT3G43930	BRCT domain-containing DNA repair protein
13502554	2.51	3.62	-2.16	0.484167	0.654355	AT5G17130	cysteine-type peptidase
13436519	2.51	3.67	-2.23	0.271979	0.548926	AT3G47660	regulator of chromosome condensation repeat-containing protein
13498738	2.51	3.66	-2.23	0.141381	0.46788	AT5G07330	hypothetical protein
13466010	2.51	3.8	-2.44	0.230346	0.527515	AT4G05370	BCS1 AAA-type ATPase
13400058	2.51	3.8	-2.45	0.049326	0.378741	BGLU33	beta glucosidase 33
13482495	2.51	3.8	-2.45	0.283995	0.556068	AT4G09530	SAUR-like auxin-responsive protein
13458772	2.51	3.85	-2.52	0.059681	0.395062	AT3G51750	hypothetical protein
13409937	2.51	3.94	-2.7	0.364226	0.589273	PAP11	purple acid phosphatase 11
13462848	2.51	3.95	-2.71	0.369479	0.591543	ACS1	1-aminocyclopropane-1-carboxylate synthase-like protein 1
13468599	2.51	3.98	-2.77	0.120372	0.451817	ELIP2	early light-inducible protein 2
13422981	2.51	4.01	-2.82	0.381653	0.596628	AGP11	arabinogalactan protein 11
13503959	2.51	4.11	-3.04	0.200721	0.509845	BG5	beta-1,3-glucanase 5
13473882	2.51	4.13	-3.07	0.132222	0.46234	AT4G26530	fructose-bisphosphate aldolase, class I
13481866	2.51	4.29	-3.42	0.355207	0.584506	AT4G05095	hypothetical protein
13346998	2.51	4.47	-3.9	0.386621	0.598595		
13348634	2.51	4.57	-4.15	0.273103	0.54985	AT1G43415	hypothetical protein
13348396	2.51	4.61	-4.28	0.297993	0.562461	AT1G37113	hypothetical protein
13359459	2.51	4.65	-4.39	0.323988	0.572935	PUP15	purine permease 15
13370402	2.51	4.7	-4.56	0.021545	0.325381	DRT112	Plastocyanin major isoform
13438655	2.51	5.85	-10.11	0.354715	0.584383	AT3G52830	hypothetical protein
13404901	2.51	7.95	-43.23	0.016403	0.315722	BGLU28	beta glucosidase 28
13443191	2.5	2.16	1.27	0.327081	0.574063	AT3G01319	hypothetical protein
13490280	2.5	2.23	1.21	0.077415	0.412497	AT4G27250	Rossmann-fold NAD(P)-binding domain-containing protein
13388886	2.5	2.24	1.19	0.307424	0.565925	GRF13	general regulatory factor 13
13455769	2.5	2.31	1.14	0.422954	0.618789	AT3G43410	hypothetical protein
13381270	2.5	2.36	1.1	0.318273	0.569566	AT1G60240	No Apical Meristem domain-containing protein
13415047	2.5	2.37	1.1	0.102574	0.435845	AT2G30660	3-hydroxyisobutyryl-CoA hydrolase
13538125	2.5	2.39	1.08	0.565773	0.71023	AT5G51030	Rossmann-fold NAD(P)-binding domain-containing protein
13346123	2.5	2.4	1.07	0.626695	0.751062	AT1G30140	hypothetical protein

13511709	2.5	2.45	1.03	0.736585	0.827623	AT5G47470	Nodulin MtN21 /EamA-like transporter family protein
13371874	2.5	2.47	1.02	0.76723	0.848017	AT1G23965	hypothetical protein
13442740	2.5	2.47	1.02	0.938273	0.962795	BGLU8	beta glucosidase 8
13510417	2.5	2.47	1.02	0.969646	0.982188	AT5G44316	putative UPF0051 protein ABCI9
13506936	2.5	2.54	-1.03	0.871558	0.920203	AT5G28690	hypothetical protein
13492225	2.5	2.56	-1.04	0.600807	0.732788	AT4G31960	hypothetical protein
13443117	2.5	2.6	-1.08	0.269765	0.548063	AT3G01230	hypothetical protein
13392472	2.5	2.62	-1.09	0.745463	0.83288	AT2G10020	hypothetical protein
13377603	2.5	2.72	-1.16	0.130581	0.460628	AT1G49920	MuDR family transposase
13498802	2.5	2.73	-1.17	0.095338	0.431535	AT5G07430	putative pectinesterase 50
13541621	2.5	2.75	-1.19	0.097912	0.433275	AT5G60142	AP2/B3-like transcriptional factor family protein
13449237	2.5	2.76	-1.2	0.481626	0.65295	AT3G14040	exopolygalacturonase / galacturan 1,4-alpha-galacturonidase / pectinase
13356620	2.5	2.78	-1.21	0.529187	0.685826	AT1G68540	putative cinnamoyl-CoA reductase
13541268	2.5	2.77	-1.21	0.50579	0.669274	AT5G59130	Subtilase family protein
13393996	2.5	2.8	-1.23	0.324799	0.573118	AT2G17845	Rossmann-fold NAD(P)-binding domain-containing protein
13458688	2.5	2.81	-1.24	0.523198	0.681302	AT3G51470	putative protein phosphatase 2C 47
13432824	2.5	2.82	-1.25	0.003496	0.253459	ABI3	B3 domain-containing transcription factor ABI3
13465336	2.5	2.83	-1.26	0.224745	0.524988	SYP123	syntaxin-123
13473147	2.5	2.84	-1.26	0.563474	0.708351	AT4G24950	hypothetical protein
13487907	2.5	2.84	-1.26	0.152515	0.475182	KT2/3	Potassium channel AKT2/3
13513207	2.5	2.83	-1.26	0.198567	0.508119	RGP4	reversibly glycosylated polypeptide 4
13500631	2.5	2.84	-1.27	0.467485	0.645255	AT5G12090	protein kinase family protein
13414790	2.5	2.93	-1.35	0.607247	0.737507	AT2G30220	GDSL esterase/lipase
13364017	2.5	2.94	-1.36	0.035452	0.356175	AT1G05950	hypothetical protein
13438179	2.5	2.95	-1.37	0.352852	0.583317	AT3G51636	hypothetical protein
13362871	2.5	2.99	-1.4	0.031208	0.351603	AT1G03720	cysteine-type peptidase
13515463	2.5	3.03	-1.44	0.005278	0.272797	AT5G55720	pectate lyase
13369662	2.5	3.04	-1.46	0.275068	0.550583	AT1G18310	glycosyl hydrolase family 81 protein
13434131	2.5	3.06	-1.48	0.563414	0.708322	AT3G27999	plant invertase/pectin methylesterase inhibitor domain-containing protein
13383365	2.5	3.09	-1.5	0.258348	0.541251	AT1G65090	hypothetical protein
13344246	2.5	3.09	-1.51	0.023054	0.330115	AT1G24570	hypothetical protein
13463354	2.5	3.11	-1.53	0.502596	0.66687	AT3G62640	hypothetical protein
13508072	2.5	3.13	-1.55	0.255183	0.540321	AT5G38400	hypothetical protein
13383566	2.5	3.17	-1.59	0.276553	0.551311	AT1G65550	putative nucleobase-ascorbate transporter 10
13341144	2.5	3.18	-1.6	0.348369	0.580705	AT1G17010	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase-like protein
13455442	2.5	3.18	-1.61	0.500713	0.665461	AT3G32400	Actin-binding FH2/DRF autoregulatory protein
13384840	2.5	3.22	-1.65	0.289116	0.557782	AT1G68240	transcription factor bHLH109
13467187	2.5	3.24	-1.67	0.030429	0.350098	AT4G10680	transcription initiation factor TFIIB
13412325	2.5	3.25	-1.68	0.386981	0.598595	AT2G24285	hypothetical protein
13354187	2.5	3.25	-1.69	0.124218	0.453788	BGLU45	beta-glucosidase 45
13367571	2.5	3.28	-1.72	0.166583	0.486784	AT1G13610	Esterase-lipase domain-containing protein

13452416	2.5	3.3	-1.74	0.294351	0.560597	FOLB3	Dihydroneopterin aldolase
13415726	2.5	3.3	-1.75	0.292378	0.559559	AT2G31985	hypothetical protein
13481436	2.5	3.4	-1.87	0.333747	0.576298		
13476500	2.5	3.44	-1.92	0.420798	0.617627	AT4G32375	glycoside hydrolase family 28 protein / polygalacturonase (pectinase) family protein
13447618	2.5	3.46	-1.95	0.261226	0.543224	AT3G10890	mannan endo-1,4-beta-mannosidase 3
13387839	2.5	3.48	-1.97	0.124596	0.453788	sks18	SKU5 similar 18 protein
13355385	2.5	3.48	-1.98	0.297622	0.562346	AT1G65210	Galactose-binding protein
13498837	2.5	3.52	-2.02	0.411905	0.613074	AT5G07570	glycine/proline-rich protein
13504508	2.5	3.54	-2.05	0.174382	0.491426	AT5G22520	hypothetical protein
13505321	2.5	3.59	-2.14	0.340853	0.578363	AT5G24370	plant invertase/pectin methylesterase inhibitor domain-containing protein
13348019	2.5	3.62	-2.18	0.247996	0.536315	AT1G35333	hypothetical protein
13360912	2.5	3.63	-2.19	0.109635	0.440961	LUP1; SRF5	lupeol synthase 1; STRUBBELIG-receptor family 5
13465428	2.5	3.64	-2.2	0.278384	0.552993	AT4G03630	root nodule development protein-like protein
13391020	2.5	3.77	-2.41	0.010166	0.296261	RNS1	ribonuclease 1
13335370	2.5	3.89	-2.62	0.064742	0.401596	PSB27	photosystem II Psb27 protein
13407481	2.5	3.9	-2.65	0.001152	0.242634	AT2G03360	Glycosyltransferase family 61 protein
13523032	2.5	3.93	-2.69	0.000204	0.180656	GA20OX3	gibberellin 20 oxidase 3
13429573	2.5	3.97	-2.77	0.406916	0.609776	AT3G17530	F-box and associated interaction domain-containing protein
13425037	2.5	4.13	-3.09	0.028749	0.347331	MYB108	myb domain protein 108
13402401	2.5	4.38	-3.68	0.390645	0.600347	AT2G38544	hypothetical protein
13512563	2.5	4.4	-3.72	0.455092	0.638361	AT5G49250	Beta-galactosidase related protein
13532426	2.5	4.52	-4.06	0.31647	0.568481	AT5G35890	Beta-galactosidase related protein
13339685	2.5	4.55	-4.15	0.328275	0.574416	AT1G13607	defensin-like protein 286
13530299	2.5	4.72	-4.66	0.247377	0.535989	AT5G24316; PTAC7	proline-rich family protein; plastid transcriptionally active7
13545521	2.49	2.04	1.37	0.372136	0.591916		
13377524	2.49	2.21	1.21	0.316909	0.568567	AT1G49700	hypothetical protein
13485186	2.49	2.22	1.2	0.315821	0.568464	AT4G16024	hypothetical protein
13545519	2.49	2.24	1.2	0.65675	0.772411		
13430350	2.49	2.27	1.16	0.495321	0.661949	AT3G19035	hypothetical protein
13434551	2.49	2.29	1.15	0.442972	0.631085	AT3G29255	putative pentacyclic triterpene synthase 7
13354913	2.49	2.32	1.13	0.581931	0.721369	WRKY56	putative WRKY transcription factor 56
13488531	2.49	2.31	1.13	0.167226	0.486855	AT4G23380	hypothetical protein
13452264	2.49	2.32	1.12	0.264784	0.545611	AT3G21460	monothiol glutaredoxin-S10
13362485	2.49	2.37	1.09	0.139413	0.466238	AT1G02820	late embryogenesis abundant 3-like protein
13407400	2.49	2.36	1.09	0.388269	0.599123	FUT2	fucosyltransferase 2
13477690	2.49	2.39	1.07	0.192342	0.505422	AT4G34790	SAUR-like auxin-responsive protein
13527678	2.49	2.4	1.07	0.650504	0.767749	AT5G18037	DNA binding protein
13445154	2.49	2.42	1.05	0.008087	0.291126	LON3	lon protease 3
13458760	2.49	2.43	1.04	0.891975	0.933616	AT3G51690	PIF1 helicase
13478886	2.49	2.45	1.03	0.858059	0.911439	AT4G37690	glycosyltransferase 6
13462792	2.49	2.45	1.02	0.877994	0.924989	AT3G61340	F-box protein
13511393	2.49	2.47	1.01	0.889649	0.932245	AT5G46770	hypothetical protein
13481127	2.49	2.52	-1.02	0.886957	0.930765	GA1	Ent-copalyl diphosphate synthase
13508821	2.49	2.57	-1.06	0.550318	0.699815	AT5G40620	hypothetical protein

13378191	2.49	2.59	-1.07	0.807125	0.876155	AT1G51480	CC-NBS-LRR class disease resistance protein
13523592	2.49	2.59	-1.07	0.411155	0.612437	AT5G08505	defensin-like protein 109
13535642	2.49	2.59	-1.07	0.794436	0.867323	AT5G45113	mitochondrial transcription termination factor-like protein
13500671	2.49	2.61	-1.08	0.833324	0.894611	CPK17	calcium-dependent protein kinase 17
13512499	2.49	2.61	-1.08	0.493174	0.660407	GEX2	gamete expressed 2 protein
13361873	2.49	2.61	-1.09	0.433532	0.625367	AT1G01130	hypothetical protein
13486546	2.49	2.63	-1.1	0.772275	0.851598	AT4G18500; AT4G18501	hypothetical protein
13385085	2.49	2.64	-1.11	0.378899	0.594703	TCP12	transcription factor TCP12
13538159	2.49	2.66	-1.13	0.013278	0.306557	AT5G51090	hypothetical protein
13349438	2.49	2.68	-1.14	0.610644	0.74026	AT1G48095	hypothetical protein
13461589	2.49	2.69	-1.14	0.6654	0.777752	AT3G58420	TRAF-like family protein
13355983	2.49	2.69	-1.15	0.227607	0.525679	PDR11	ABC transporter G family member 39
13362417	2.49	2.69	-1.15	0.59206	0.728021	AT1G02630	nucleoside transporter-like protein
13538742	2.49	2.7	-1.16	0.122783	0.45286	AT5G52620	putative F-box protein
13471328	2.49	2.74	-1.18	0.039321	0.364658	AT4G20680	putative cysteine-rich repeat secretory protein 40
13538722	2.49	2.73	-1.18	0.516934	0.67669	BETA-OHASE 2	beta-carotene hydroxylase 2
13371740	2.49	2.75	-1.19	0.17688	0.49325	AT1G23640	hypothetical protein
13353697	2.49	2.75	-1.2	0.604658	0.735632	AT1G60060	serine/threonine-protein kinase WNK (With No lysine)-related protein
13338879	2.49	2.76	-1.21	0.353297	0.583612	CYP77B1	cytochrome P450, family 77, subfamily B, polypeptide 1
13457854	2.49	2.79	-1.23	0.135367	0.464154	AT3G49450	F-box protein
13466860	2.49	2.83	-1.27	0.0336	0.354018	TT8	transcription factor TT8
13414189	2.49	2.84	-1.27	0.270045	0.548203	AT2G28490	cupin domain-containing protein
13463858	2.49	2.84	-1.27	0.331456	0.576137	AT4G00160	F-box, FBD and leucine rich repeat domain-containing protein
13494114	2.49	2.84	-1.27	0.13441	0.463251	CPK18	calcium-dependent protein kinase 18
13459078	2.49	2.85	-1.28	0.416543	0.615562	AT3G52350	D111/G-patch domain-containing protein
13539377	2.49	2.84	-1.28	0.245119	0.535223	AT5G54460	wound-responsive protein-like protein
13518234	2.49	2.87	-1.3	0.140813	0.467403	ERL1	LRR receptor-like serine/threonine-protein kinase ERL1
13354252	2.49	2.89	-1.32	0.389345	0.599704	CPK19	calcium-dependent protein kinase 19
13372229	2.49	2.88	-1.32	0.593188	0.728697	ASB1	anthranilate synthase beta subunit 1
13471571	2.49	2.9	-1.33	0.336073	0.576994	PSBQA	oxygen-evolving enhancer protein 3-1
13432295	2.49	2.91	-1.34	0.28722	0.557153	AT3G23480	Cyclopropane-fatty-acyl-phospholipid synthase
13533633	2.49	2.91	-1.34	0.458195	0.639919	MYB89	myb domain protein 89
13342469	2.49	2.92	-1.35	0.02142	0.325381	AT1G20065	hypothetical protein
13492159	2.49	2.92	-1.35	0.025832	0.33601	AT4G31830	hypothetical protein
13431303	2.49	2.94	-1.36	0.429751	0.622826	CYP705A32	cytochrome P450, family 705, subfamily A, polypeptide 32
13489690	2.49	2.95	-1.37	0.083327	0.417856	AT4G26020	hypothetical protein
13396372	2.49	2.96	-1.39	0.359338	0.586108	AT2G23440	hypothetical protein
13441525	2.49	2.98	-1.4	0.121771	0.452662	ASHH4	putative histone-lysine N-methyltransferase ASHH4
13422424	2.49	2.98	-1.41	0.039523	0.364953	CKI1	histidine kinase CKI1

13427411	2.49	3.01	-1.43	0.537232	0.690527	AT3G12960	hypothetical protein
13515256	2.49	3.03	-1.45	0.46234	0.64285	AT5G55135	hypothetical protein
13356007	2.49	3.05	-1.48	0.501744	0.666234	AT1G67035	hypothetical protein
13515870	2.49	3.06	-1.49	0.537643	0.690765	AT5G56690	putative FBD-associated F-box protein
13366730	2.49	3.12	-1.54	0.212791	0.51789	AT1G11490	C2H2 type zinc finger protein
13415837	2.49	3.15	-1.58	0.123443	0.453558	AT2G32360	ubiquitin family protein
13441404	2.49	3.15	-1.58	0.143259	0.469044	AT3G59590	jacalin lectin family protein
13455565	2.49	3.16	-1.59	0.160887	0.483101	AT3G42475	hypothetical protein
13498693	2.49	3.21	-1.64	0.062097	0.398248	EMS1	leucine-rich repeat receptor protein kinase EXS
13500018	2.49	3.26	-1.71	0.302627	0.563999	AT5G10660	calmodulin-binding protein-like protein
13496878	2.49	3.28	-1.74	0.012422	0.301412	AT5G03270	putative cytokinin riboside 5'-monophosphate phosphoribohydrolase LOG6
13538268	2.49	3.31	-1.77	0.039823	0.365591	SWI1	protein SWITCH1 (protein DYAD)
13431619	2.49	3.31	-1.77	0.23297	0.528784	AT3G21960	putative cysteine-rich repeat secretory protein 24
13486332	2.49	3.32	-1.78	0.365711	0.589954	AT4G17990	hypothetical protein
13420606	2.49	3.34	-1.8	0.12869	0.458836	AT2G42930; AT2G42920	carbohydrate-binding X8 domain-containing protein; pentatricopeptide repeat-containing protein
13404822	2.49	3.5	-2.01	0.279956	0.554083	AT2G44250	hypothetical protein
13453831	2.49	3.5	-2.02	0.253843	0.539549	CYP71B20	cytochrome P450 71B20
13455491	2.49	3.53	-2.06	0.414251	0.614187	AT3G33187	putative defensin-like protein 315
13529467	2.49	3.56	-2.09	0.216782	0.519953	WRKY38	putative WRKY transcription factor 38
13444570	2.49	3.6	-2.16	0.387808	0.598979	LSH2	hypothetical protein
13514365	2.49	3.63	-2.22	0.386072	0.598562	AT5G53230	hypothetical protein
13371907	2.49	3.66	-2.25	0.23502	0.529694	AT1G24060	hypothetical protein
13448385	2.49	3.74	-2.38	0.264495	0.545458	AT3G12460	DEDDy 3'-5' exonuclease domain-containing protein
13414259	2.49	3.75	-2.4	0.385108	0.598088	EXO70H5	exocyst complex component 7
13354180	2.49	3.77	-2.42	0.249502	0.537159	GPT2	glucose-6-phosphate/phosphate translocator 2
13455785	2.49	3.86	-2.57	0.325123	0.573167	AT3G43480	hypothetical protein
13481551	2.49	3.9	-2.65	0.371506	0.591914	AT4G04330	Chaperonin-like RbcX protein
13497741	2.49	4.17	-3.21	0.434854	0.626354	AT5G05120	C2H2 and C2HC zinc finger-containing protein
13440224	2.49	4.21	-3.29	0.489088	0.657894	NAC065	NAC domain containing protein 65
13492421	2.49	4.41	-3.8	0.416927	0.61571	AT4G32378	hypothetical protein
13542850	2.48	2.08	1.32	0.194779	0.505856	AT5G63290; AT5G63280	oxygen-independent coproporphyrinogen III oxidase; C2H2-like zinc finger protein
13350621	2.48	2.12	1.28	0.314861	0.568201	AT1G51040	phosphatidylinositol 4-kinase alpha 2
13533628	2.48	2.13	1.27	0.315888	0.568464	EMB2744; AT5G39670	pentatricopeptide repeat-containing protein; putative calcium-binding protein CML45
13416169	2.48	2.26	1.16	0.598754	0.731685	AT2G33090	Transcription elongation factor (TFIIS) family protein
13441337	2.48	2.28	1.15	0.314062	0.568024	AT3G59440	calmodulin-like protein 4
13436363	2.48	2.29	1.14	0.319905	0.570589	AT3G47341	hypothetical protein
13354348	2.48	2.32	1.11	0.465138	0.644046	AT1G62350	pentatricopeptide repeat-containing protein
13429228	2.48	2.33	1.11	0.50723	0.670475	AT3G16700	fumarylacetoacetate hydrolase
13544831	2.48	2.35	1.09	0.666331	0.77849		

13433777	2.48	2.42	1.04	0.376132	0.593207	AT3G27025	hypothetical protein
13480643	2.48	2.42	1.04	0.91856	0.950793	AT4G01760	cysteine/histidine-rich C1 domain-containing protein
13479905	2.48	2.45	1.03	0.659275	0.774393	EDA34	EF-hand, calcium binding motif-containing protein
13461538	2.48	2.45	1.02	0.918439	0.950702	AT3G58300	phospholipase-like protein (PEARLI 4) family protein
13378325	2.48	2.47	1.01	0.916955	0.94975	AT1G51810	putative LRR receptor-like serine/threonine-protein kinase
13539196	2.48	2.5	-1.02	0.703755	0.804883	AT5G54000	oxidoreductase, 2OG-Fe(II) oxygenase family protein
13416749	2.48	2.55	-1.05	0.331725	0.576146	AT2G34340	hypothetical protein
13346652	2.48	2.58	-1.07	0.439074	0.629202	AT1G31270	hypothetical protein
13440964	2.48	2.57	-1.07	0.402113	0.60697	AT3G58590	pentatricopeptide repeat-containing protein
13461236	2.48	2.58	-1.07	0.598556	0.731596	ADPG1	Polygalacturonase ADPG1
13534781	2.48	2.58	-1.07	0.655808	0.771747	AT5G43000	hypothetical protein
13348526	2.48	2.6	-1.09	0.658188	0.773567	AT1G42700	hypothetical protein
13353418	2.48	2.63	-1.1	0.227488	0.525653	bZIP4	basic leucine-zipper 4
13341537	2.48	2.64	-1.12	0.471437	0.64746	SUVH7	histone-lysine N-methyltransferase, H3 lysine-9 specific SUVH7
13377393	2.48	2.65	-1.12	0.238903	0.532292	AT1G49290	hypothetical protein
13421257	2.48	2.64	-1.12	0.251886	0.538651	GH9B12	endoglucanase 15
13511619	2.48	2.65	-1.13	0.160672	0.483101	AT5G47300	putative F-box protein
13493743	2.48	2.67	-1.14	0.499434	0.664648	LHT7; AT4G35170	LYS/HIS transporter 7; late embryogenesis abundant hydroxyproline-rich glycoprotein
13371338	2.48	2.7	-1.16	0.261212	0.543224	AT1G22600	Late embryogenesis abundant protein (LEA) family protein
13443945	2.48	2.7	-1.16	0.284858	0.556338	NAC045	NAC domain containing protein 45
13535980	2.48	2.71	-1.17	0.440816	0.629996	PYL11	abscisic acid receptor PYL11
13424792	2.48	2.72	-1.18	0.521228	0.679824	AT3G05730	defensin-like protein 205
13445697	2.48	2.71	-1.18	0.502448	0.666827	AGL91	protein agamous-like 91
13334405	2.48	2.76	-1.21	0.572784	0.714898	FRO2	ferric reduction oxidase 2
13407591	2.48	2.75	-1.21	0.537135	0.690468	AT2G03770	P-loop containing nucleoside triphosphate hydrolase-like protein
13476571	2.48	2.75	-1.21	0.440903	0.629996	YUC1	YUCCA family monooxygenase
13380652	2.48	2.76	-1.22	0.420784	0.617627	PUP17	purine permease 17
13481574	2.48	2.77	-1.22	0.495972	0.662453	CRK36	cysteine-rich receptor-like protein kinase 36
13499814	2.48	2.79	-1.23	0.274198	0.550583	AT5G10040	hypothetical protein
13481080	2.48	2.81	-1.25	0.323743	0.572692	AT4G02733	F-box protein
13418305	2.48	2.83	-1.27	0.255233	0.540321	AT2G37730	hypothetical protein
13453862	2.48	2.84	-1.28	0.298658	0.562461	CYP71B4	cytochrome P450 71B4
13480046	2.48	2.85	-1.3	0.55799	0.704524	ROPGEF3	RHO guanyl-nucleotide exchange factor 3
13426132	2.48	2.88	-1.32	0.408712	0.610785	APX2	L-ascorbate peroxidase
13467500	2.48	2.9	-1.34	0.16644	0.486587	AT4G11521	putative cysteine-rich receptor-like protein kinase 34
13399460	2.48	2.91	-1.35	0.130773	0.460628	ARI9	putative E3 ubiquitin-protein ligase ARI9
13500763	2.48	2.92	-1.35	0.384068	0.597855	AT5G12910	histone H3
13479302	2.48	2.92	-1.36	0.536401	0.689889	AT4G38825; AT4G38820	SAUR-like auxin-responsive protein; hypothetical protein

13362186	2.48	2.95	-1.38	0.356851	0.584818	ATSEC1A	FAD-binding and BBE domain-containing protein
13406629	2.48	2.95	-1.38	0.331589	0.576146	AT2G01050	zinc ion binding / nucleic acid binding
13466845	2.48	2.96	-1.39	0.485391	0.655172	AT4G09775	hypothetical protein
13466710	2.48	2.98	-1.41	0.252545	0.538793	AT4G09430	TIR-NBS-LRR class disease resistance protein
13408790	2.48	3.08	-1.52	0.054243	0.385491	AT2G14160	putative glycine-rich RNA-binding protein
13432874	2.48	3.11	-1.55	0.112583	0.443735	AT3G24780	hypothetical protein
13507704	2.48	3.12	-1.56	0.178653	0.494539	AT5G37200	RING/U-box domain-containing protein
13350231	2.48	3.12	-1.57	0.035433	0.356116	TUA2; TUA4	tubulin alpha-2/alpha-4 chain
13485499	2.48	3.14	-1.58	0.623906	0.749085	AT4G16540	Heat shock protein HSP20/alpha crystallin family protein
13513472	2.48	3.13	-1.58	0.174999	0.492147	OLEO3	oleosin3
13348179	2.48	3.21	-1.66	0.137364	0.46568	AT1G35710	putative leucine-rich repeat receptor-like protein
13339127	2.48	3.25	-1.7	0.028086	0.344954	AT1G12130	flavin-binding monooxygenase-like protein
13522028	2.48	3.25	-1.7	0.151354	0.473698	AT5G04700	Ankyrin repeat family protein
13473271	2.48	3.25	-1.71	0.179641	0.495225	OLEO1; AT4G25150	oleosin 1; HAD superfamily, subfamily IIIB acid phosphatase
13514527	2.48	3.26	-1.72	0.048245	0.37767	AT5G53486	hypothetical protein
13427870	2.48	3.36	-1.85	0.381729	0.596683	AT3G13830	putative F-box protein
13358326	2.48	3.38	-1.87	0.258554	0.541251	AT1G72460	putative leucine-rich repeat transmembrane protein kinase
13455255	2.48	3.4	-1.88	0.338607	0.577413	AT3G29765	General transcription factor 2-related zinc finger protein
13507858	2.48	3.45	-1.96	0.311754	0.567081	NIP4;1	aquaporin NIP
13396054	2.48	3.54	-2.08	0.097436	0.433188	AT2G22760	transcription factor bHLH19
13435783	2.48	3.54	-2.09	0.033006	0.354018	AT3G45320	hypothetical protein
13450964	2.48	3.58	-2.15	0.200166	0.509474	AGL103	protein agamous-like 103
13528851	2.48	3.59	-2.15	0.406385	0.609532	AT5G20740	plant invertase/pectin methylesterase inhibitor domain-containing protein
13462594	2.48	3.63	-2.22	0.075551	0.410503	FLA10	fasciclin-like arabinogalactan protein 10
13410311	2.48	3.7	-2.33	0.398064	0.604819	AT2G19290; AT2G19280	hypothetical protein; pentatricopeptide repeat-containing protein
13352891	2.48	3.77	-2.44	0.356823	0.584818	AT1G56415	hypothetical protein
13488633	2.48	3.9	-2.67	0.313458	0.568008	GH9B15	endoglucanase 20
13520323	2.48	3.93	-2.74	0.255185	0.540321	AT5G66800	hypothetical protein
13530665	2.48	4.06	-2.99	0.199061	0.508467	AT5G24879	hypothetical protein
13539187	2.48	4.11	-3.09	0.216593	0.519792	CUC2	protein CUP-SHAPED COTYLEDON 2
13411834	2.48	4.3	-3.52	0.34637	0.58045	AT2G22960	putative serine carboxypeptidase-like 52
13539220	2.48	4.32	-3.59	0.284406	0.556165	HSFA9	heat stress transcription factor A-9
13492117	2.48	4.46	-3.95	0.198861	0.508347	AT4G31760	peroxidase 46
13489621	2.48	4.59	-4.31	0.200062	0.509342	AT4G25750	ABC transporter G family member 4
13516934	2.48	4.9	-5.37	0.14074	0.467329	AT5G59170	Proline-rich extensin-like family protein
13372625	2.47	2.02	1.37	0.001657	0.250556	AT1G26380	FAD-binding and BBE domain-containing protein
13439896	2.47	2.09	1.3	0.150112	0.473112	AT3G55665	self-incompatibility S1 family protein
13392506	2.47	2.13	1.26	0.267865	0.546492	AT2G10975	hypothetical protein
13394446	2.47	2.18	1.22	0.296104	0.561293	AT2G19000	hypothetical protein

13380146	2.47	2.25	1.17	0.192772	0.505579	AT1G55980	FAD/NAD(P)-binding oxidoreductase domain-containing protein
13450239	2.47	2.26	1.16	0.590857	0.72723	AT3G16600	SNF2 and helicase domain-containing protein
13506296	2.47	2.25	1.16	0.626244	0.750648	AT5G27140	NOP56-like pre RNA processing ribonucleoprotein
13408049	2.47	2.27	1.15	0.549501	0.699129	scpl38	serine carboxypeptidase-like 38
13413221	2.47	2.28	1.14	0.030326	0.350098	ARD3	1,2-dihydroxy-3-keto-5-methylthiopentene dioxygenase 1
13435691	2.47	2.35	1.09	0.4644	0.643588	VPS24.2	charged multivesicular body protein 3
13392610	2.47	2.36	1.08	0.601526	0.733237	AT2G12900	Basic-leucine zipper (bZIP) transcription factor family protein
13453821	2.47	2.41	1.04	0.854084	0.908364	CYP71B16	cytochrome P450 71B16
13467118	2.47	2.42	1.04	0.735121	0.826592		
13420919	2.47	2.42	1.03	0.695228	0.79906	AT2G43745	hypothetical protein
13436124	2.47	2.43	1.03	0.767751	0.848396	AT3G46480	iron ion binding / oxidoreductase/ oxidoreductase protein
13456597	2.47	2.44	1.02	0.909929	0.945386	AT3G45990	putative actin-depolymerizing factor 11
13511254	2.47	2.45	1.02	0.906296	0.942742	AT5G46450	TIR-NBS-LRR class disease resistance protein
13531827	2.47	2.44	1.02	0.856583	0.910345	AT5G28550	hypothetical protein
13381010	2.47	2.49	-1.01	0.935612	0.961071	AT1G59453; AT1G59077; AT1G58766	B-block binding subunit of TFIIIC; hypothetical protein
13428716	2.47	2.5	-1.02	0.827639	0.890477	IAA19	auxin-responsive protein IAA19
13350120	2.47	2.51	-1.03	0.866009	0.916477	RGE1	transcription factor bHLH95
13439999	2.47	2.55	-1.06	0.750591	0.83655	AT3G55870	anthranilate synthase component I
13394611	2.47	2.58	-1.07	0.81548	0.882009	AT2G19460	hypothetical protein
13479704	2.47	2.57	-1.07	0.647059	0.765079	AT4G39760	putative F-box/kelch-repeat protein
13406145	2.47	2.62	-1.11	0.665719	0.777996	AT2G47280	putative pectinesterase 66
13528182	2.47	2.62	-1.11	0.697454	0.800828	AT5G19270	hypothetical protein
13533700	2.47	2.62	-1.11	0.787056	0.862031	AT5G39920	hypothetical protein
13362004	2.47	2.64	-1.12	0.615292	0.743664	AGL28	protein agamous-like 28
13393301	2.47	2.64	-1.13	0.401762	0.60689	AT2G16015	hypothetical protein
13489035	2.47	2.64	-1.13	0.464002	0.643501	TAR2	tryptophan aminotransferase related 2
13426100	2.47	2.67	-1.15	0.433186	0.625192	EXO70H3	exocyst complex component 7
13435626	2.47	2.68	-1.16	0.30522	0.565001	AT3G44830	putative phospholipid:diacylglycerol acyltransferase 2
13337645	2.47	2.72	-1.19	0.340474	0.578171	BON3	protein BONZAI 3
13428902	2.47	2.74	-1.2	0.577539	0.717699	AT3G16040	Translation machinery associated TMA7
13435020	2.47	2.75	-1.21	0.165868	0.486235	AT3G42970	hypothetical protein
13349405	2.47	2.8	-1.25	0.397776	0.604581	AT1G47940	pentatricopeptide repeat-containing protein
13375517	2.47	2.81	-1.27	0.017434	0.319218	AT1G34640; AT1G34630	peptidase; hypothetical protein
13424834	2.47	2.81	-1.27	0.458801	0.640177	AIF1	transcription factor bHLH150
13457248	2.47	2.86	-1.31	0.044886	0.374597	LBD27	LOB domain-containing protein 27
13523350	2.47	2.87	-1.31	0.095307	0.431535	AT5G08030	glycerophosphoryl diester phosphodiesterase
13400386	2.47	2.87	-1.32	0.536668	0.690164	AT2G33720	B3 domain-containing protein
13505858	2.47	2.87	-1.32	0.132809	0.462428	LOG9	putative cytokinin riboside 5'-monophosphate phosphoribohydrolase LOG9

13361451	2.47	2.89	-1.33	0.009047	0.295882	AT1G80220	hypothetical protein
13506381	2.47	2.88	-1.33	0.343902	0.579276	AT5G27340	hypothetical protein
13432803	2.47	2.9	-1.34	0.017284	0.319147	AT3G24580	putative F-box protein
13467138	2.47	2.89	-1.34	0.500026	0.665065	AT4G10530	Subtilase family protein
13371136	2.47	2.91	-1.35	0.467303	0.645127	AT1G22120	hypothetical protein
13372115	2.47	2.94	-1.39	0.536424	0.689889	LHT2	lysine histidine transporter 2
13409978	2.47	2.97	-1.42	0.116375	0.446833	AT2G18190	P-loop containing nucleoside triphosphate hydrolase-like protein
13504639	2.47	3	-1.44	0.019419	0.321499	CHX3	cation/H(+) antiporter 3
13417719	2.47	3.02	-1.46	0.030579	0.350098	ECP63	embryonic cell protein 63
13468849	2.47	3.02	-1.46	0.018933	0.321499	AT4G15165	N-terminal nucleophile aminohydrolases (Ntn hydrolases)-like protein
13396510	2.47	3.01	-1.46	0.453827	0.637368	scpl22	carboxypeptidase D
13497315	2.47	3.02	-1.46	0.363961	0.589143	PKS4	protein PHYTOCHROME KINASE SUBSTRATE 4
13377053	2.47	3.1	-1.55	0.139109	0.466075	AT1G48530	hypothetical protein
13457917	2.47	3.1	-1.55	0.058744	0.394229	AT3G49610	hypothetical protein
13438806	2.47	3.11	-1.56	0.000998	0.238633	LUT1; AT3G53140	carotenoid epsilon-ring hydroxylase; putative O-diphenol-O-methyl transferase
13425233	2.47	3.16	-1.61	0.389623	0.599938	AT3G06830	pectinesterase 23
13508818	2.47	3.16	-1.61	0.26015	0.542764	AT5G40595	hypothetical protein
13484207	2.47	3.18	-1.63	0.031828	0.352572	AT4G13840	HXXXD-type acyl-transferase-like protein
13394839	2.47	3.18	-1.64	0.470792	0.647239	AT2G19960	hAT dimerisation domain-containing protein / transposase-related protein
13515603	2.47	3.2	-1.66	0.092447	0.429659	AT5G56075	hypothetical protein
13434501	2.47	3.27	-1.74	0.500573	0.665424	AT3G29040	putative cysteine-rich repeat secretory protein 13
13362862	2.47	3.3	-1.78	0.054388	0.385747	AT1G03670	ankyrin repeats-containing protein
13435424	2.47	3.32	-1.8	0.224483	0.524988	AT3G44440	hypothetical protein
13341516	2.47	3.36	-1.85	0.191336	0.504418	PRA1.F1	PRA1 family protein F1
13346600	2.47	3.5	-2.04	0.228028	0.526027	GOA	protein GORDITA
13470213	2.47	3.5	-2.04	0.372259	0.591916	AT4G18150	hypothetical protein
13372532	2.47	3.51	-2.05	0.047785	0.37767	AT1G26200	TRAM, LAG1 and CLN8 (TLC) lipid-sensing domain containing protein
13457884	2.47	3.56	-2.13	0.006927	0.285606	AT3G49551; AT3G49550	hypothetical protein
13364451	2.47	3.58	-2.17	0.202721	0.510485	AT1G06925; AT1G06923	hypothetical protein
13542805	2.47	3.6	-2.2	0.280985	0.554564	AT5G63170	GDSL esterase/lipase
13459045	2.47	3.87	-2.63	0.328037	0.574416	AT3G52270	Transcription initiation factor IIF, beta subunit
13463241	2.47	3.9	-2.68	0.39778	0.604581	AT3G62320	nucleic acid binding protein
13540861	2.47	4.12	-3.12	0.075423	0.410503	AT5G58330	lactate/malate dehydrogenase family protein
13532594	2.47	5.24	-6.84	0.274437	0.550583	AT5G36320	ECA1 gametogenesis related family protein
13407923	2.47	5.26	-6.94	0.140426	0.466825	LHCB2.1	photosystem II light harvesting complex protein 2.1
13533132	2.47	5.45	-7.9	0.003638	0.253459	AT5G37970	S-adenosyl-L-methionine-dependent methyltransferase-like protein
13352601	2.47	5.46	-7.94	0.227908	0.525983	AT1G55546	hypothetical protein
13347163	2.46	1.95	1.42	0.341832	0.578744		

13453322	2.46	2	1.37	0.387833	0.598986	AT3G24465	Plant thionin family protein
13449390	2.46	2.14	1.24	0.483988	0.654236	AT3G14260	LURP-one-related 11 protein
13487111	2.46	2.16	1.23	0.353223	0.583612	AT4G20006	hypothetical protein
13494904	2.46	2.21	1.19	0.405411	0.609069	AT4G37850	transcription factor bHLH25
13479091	2.46	2.23	1.17	0.679631	0.788004	AT4G38310; HHP5	galactosyl transferase GMA12/MNN10 family protein; heptahelical protein 5
13407623	2.46	2.26	1.15	0.366558	0.590194	AT2G04037	hypothetical protein
13527147	2.46	2.26	1.15	0.197724	0.507784	TERT	telomerase reverse transcriptase
13455841	2.46	2.27	1.14	0.520542	0.679267	AT3G43850	hypothetical protein
13376035	2.46	2.3	1.11	0.38413	0.597873	AT1G42710	General transcription factor 2-related zinc finger protein
13339717	2.46	2.33	1.1	0.443441	0.631502	AT1G13680	phospholipase C/ phosphoric diester hydrolase
13431435	2.46	2.32	1.1	0.170438	0.488581	AT3G21330	transcription factor bHLH87
13444091	2.46	2.33	1.09	0.466044	0.644758	AT3G03456	hypothetical protein
13370912	2.46	2.35	1.07	0.725233	0.819957	AT1G21550	putative calcium-binding protein CML44
13482880	2.46	2.37	1.07	0.630129	0.753913	MEE53	Cysteine/Histidine-rich C1 domain family protein
13452314	2.46	2.4	1.04	0.613505	0.742468	AT3G21570	hypothetical protein
13524605	2.46	2.41	1.03	0.931578	0.958377	CIPK5	CBL-interacting serine/threonine-protein kinase 5
13431803	2.46	2.56	-1.07	0.865142	0.915933	AOX1B	alternative oxidase 1B
13481421	2.46	2.57	-1.08	0.773836	0.852573		
13447738	2.46	2.58	-1.09	0.717275	0.814309	AT3G11165	hypothetical protein
13540188	2.46	2.59	-1.1	0.324305	0.573008	AT5G56850	hypothetical protein
13413314	2.46	2.63	-1.12	0.524976	0.682557	YAB5	axial regulator YABBY 5
13535103	2.46	2.63	-1.12	0.561082	0.706588	HSFA6A	heat stress transcription factor A-6a
13443004	2.46	2.67	-1.15	0.589953	0.726928	AT3G01015	TPX2 (targeting protein for Xklp2) family protein
13461595	2.46	2.66	-1.15	0.675904	0.785183	AT3G58430	TRAF-like family protein
13468304	2.46	2.66	-1.15	0.71642	0.813698	RLP48	receptor like protein 48
13535982	2.46	2.66	-1.15	0.241162	0.533482	PYL12	abscisic acid receptor PYL12
13466084	2.46	2.67	-1.16	0.470677	0.647215	AT4G05553	zinc knuckle (CCHC-type) family protein
13533108	2.46	2.72	-1.2	0.591709	0.72784	AT5G37860	heavy metal transport/detoxification domain-containing protein
13465326	2.46	2.76	-1.23	0.441759	0.630517	AT4G03298	hypothetical protein
13532684	2.46	2.76	-1.23	0.408173	0.610585	AT5G36720; AT5G36805	Plant thionin family protein
13532731	2.46	2.76	-1.23	0.408173	0.610585	AT5G36720; AT5G36805	Plant thionin family protein
13347185	2.46	2.8	-1.26	0.072469	0.408352	AT1G32710	cytochrome c oxidase subunit VIb
13382057	2.46	2.8	-1.27	0.139898	0.466398	AT1G61688	defensin-like protein 106
13471411	2.46	2.81	-1.28	0.04887	0.377942	AT4G21020	late embryogenesis abundant domain-containing protein
13431799	2.46	2.82	-1.29	0.032794	0.353721	AT3G22350	F-box and associated interaction domain-containing protein
13403776	2.46	2.83	-1.3	0.335705	0.576654	AT2G41451	hypothetical protein
13540113	2.46	2.84	-1.3	0.283467	0.555903	MIOX5	inositol oxygenase 5
13521368	2.46	2.91	-1.36	0.105338	0.43719	AT5G02940	hypothetical protein

13431323	2.46	2.91	-1.37	0.164803	0.485884	AT3G20980	Gag-Pol-related retrotransposon family protein
13335382	2.46	2.92	-1.38	0.2163	0.519792	POR C	protochlorophyllide reductase C
13434856	2.46	2.93	-1.39	0.451781	0.636344	AT3G32260	nucleic acid-binding protein-like protein
13507415	2.46	2.94	-1.39	0.252224	0.538705	CYP79A4P	cytochrome P450, family 79, subfamily A, polypeptide 4 pseudogene
13416308	2.46	2.96	-1.41	0.208097	0.513672	AT2G33320	calcium-dependent lipid-binding domain-containing protein
13504477	2.46	2.97	-1.42	0.060251	0.395895	AT5G22470	NAD+ ADP-ribosyltransferases;NAD+ ADP-ribosyltransferase
13498631	2.46	2.99	-1.44	0.182373	0.497376	AT5G07170	Cell cycle regulated microtubule associated protein
13458965	2.46	2.99	-1.45	0.313982	0.568024	AT3G52130; AT3G52120	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein; Splicing factor 4-like protein
13406887	2.46	3.03	-1.48	0.027053	0.340635	AT2G01580	hypothetical protein
13539489	2.46	3.07	-1.53	0.281182	0.554581	AT5G54790	hypothetical protein
13455497	2.46	3.14	-1.6	0.347684	0.580585	AT3G33393	hypothetical protein
13416391	2.46	3.17	-1.63	0.266635	0.546291	AT2G33509	hypothetical protein
13418479	2.46	3.2	-1.67	0.192772	0.505579	AT2G38240	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase-like protein
13505204	2.46	3.24	-1.72	0.295101	0.56088	AT5G24180	lipase class 3-related protein
13392169	2.46	3.28	-1.76	0.280097	0.55409	AT2G07200	cysteine proteinase-like protein
13486139	2.46	3.28	-1.77	0.204648	0.511475	AT4G17580	BAX inhibitor-1 motif-containing protein
13533781	2.46	3.34	-1.84	0.04497	0.374597	AGL43	protein agamous-like 43
13376221	2.46	3.34	-1.84	0.324589	0.573051	AT1G44080	F-box protein
13376592	2.46	3.37	-1.87	0.303065	0.564046	AT1G47350	F-box associated ubiquitination effector family protein
13465237	2.46	3.38	-1.89	0.265637	0.546155	AT4G03160	hypothetical protein
13481971	2.46	3.66	-2.29	0.171614	0.489355	AT4G05470	F-box family protein (FBL21)
13478360	2.46	3.66	-2.3	0.031106	0.351257	AT4G36230	hypothetical protein
13489483	2.46	3.85	-2.62	0.319183	0.570099	AT4G25510; RSP35	hypothetical protein; arginine/serine-rich-splicing factor RSP40
13473284	2.46	3.95	-2.8	0.064446	0.401008	HSP23.6-MITO	small heat shock protein 23.6
13481887	2.46	3.96	-2.82	0.275725	0.550852	ENT4	equilibrative nucleoside transporter 4
13478796	2.46	4.16	-3.24	0.43828	0.628473	AT4G37500	Aldehyde oxidase/xanthine dehydrogenase, molybdopterin binding protein
13480518	2.46	4.77	-4.98	0.021842	0.325596	AT4G01380	plastocyanin-like domain-containing protein
13472679	2.46	4.78	-5	0.233451	0.529162	CSLG2	cellulose synthase-like protein G2
13530185	2.45	2.19	1.2	0.614147	0.742708	AT5G24155	FAD/NAD(P)-binding oxidoreductase family protein
13468434	2.45	2.21	1.19	0.24864	0.53653	AT4G14272	Defensin-like (DEFL) family protein
13545629	2.45	2.25	1.15	0.274038	0.550583	AT4G03505; RMA1	hypothetical protein; E3 ubiquitin-protein ligase RMA1
13350453	2.45	2.33	1.08	0.335561	0.576654	AT1G50610	probably inactive leucine-rich repeat receptor-like protein kinase
13539132	2.45	2.39	1.04	0.087265	0.422831	AT5G53840	F-box/FBD/LRR-repeat protein
13348955	2.45	2.41	1.03	0.916237	0.949351	AT1G45100	RNA recognition motif-containing protein
13505609	2.45	2.44	1.01	0.974169	0.984938	AT5G25340; EBF2	ubiquitin-like domain-containing protein-like protein; EIN3-binding F-box protein 2

13453876	2.45	2.48	-1.02	0.941903	0.965307	CYP71B35	cytochrome P450 71B35
13472766	2.45	2.48	-1.02	0.658803	0.774061	YSL1	metal-nicotianamine transporter YSL1
13508020	2.45	2.48	-1.02	0.939172	0.963475	AT5G38300	hypothetical protein
13347027	2.45	2.49	-1.03	0.830141	0.892127	ATSYP24	syntaxin 7
13371666	2.45	2.52	-1.05	0.84584	0.902845	AT1G23510	hypothetical protein
13364679	2.45	2.56	-1.07	0.716514	0.813736	AT1G07450	tropine dehydrogenase
13374976	2.45	2.55	-1.07	0.541171	0.693023	NAC012	NAC domain-containing protein 12
13409500	2.45	2.55	-1.07	0.770002	0.850037	AT2G17010	mechanosensitive ion channel domain-containing protein
13440179	2.45	2.54	-1.07	0.680518	0.788382	RR17	two-component response regulator ARR17
13542811	2.45	2.55	-1.07	0.26669	0.54632	AT5G63180	putative pectate lyase 22
13498833	2.45	2.58	-1.09	0.730868	0.823884	PEI1	zinc finger CCCH domain-containing protein 54
13521688	2.45	2.58	-1.09	0.706229	0.806792	EMB175	pentatricopeptide repeat-containing protein
13377541	2.45	2.6	-1.11	0.522283	0.680544	AT1G49715	defensin-like protein 175
13383467	2.45	2.59	-1.11	0.449282	0.635232	UBQ13	ubiquitin 13
13371895	2.45	2.62	-1.13	0.680237	0.788339	MLP423	MLP-like protein 423
13414056	2.45	2.62	-1.13	0.730261	0.823459	AT2G28090	heavy-metal-associated domain-containing protein
13377569	2.45	2.65	-1.14	0.235857	0.530405	AT1G49790	F-box associated ubiquitination effector family protein
13433168	2.45	2.64	-1.14	0.740872	0.829696	AT3G25597	hypothetical protein
13483034	2.45	2.65	-1.15	0.147053	0.470962	AT4G10950	GDSL-motif lipase/hydrolase family protein
13357730	2.45	2.71	-1.19	0.322191	0.571523	AT1G71150	hypothetical protein
13465200	2.45	2.7	-1.19	0.103427	0.436198	AOP3	iron ion binding / oxidoreductase
13472101	2.45	2.73	-1.21	0.014837	0.313095	AT4G22650	hypothetical protein
13380456	2.45	2.74	-1.23	0.029839	0.349787	AT1G56555	hypothetical protein
13367841	2.45	2.76	-1.23	0.29011	0.558285	AT59	putative pectate lyase 3
13499943	2.45	2.77	-1.25	0.308771	0.566484	AT5G10500	kinase interacting-like protein
13469460	2.45	2.81	-1.28	0.048455	0.37767	ATOEP16-2	Mitochondrial import inner membrane translocase subunit Tim17/Tim22/Tim23 family protein
13517859	2.45	2.82	-1.29	0.12262	0.45286	AT5G61290; AT5G61300	flavin-containing monooxygenase-like protein; hypothetical protein
13395606	2.45	2.83	-1.3	0.014294	0.313095	AT2G21720	hypothetical protein
13347570	2.45	2.83	-1.3	0.111173	0.442715	AT1G33811	GDSL esterase/lipase
13510496	2.45	2.83	-1.3	0.397575	0.604462	AT5G44570	hypothetical protein
13518319	2.45	2.88	-1.34	0.27463	0.550583	AT5G62330	hypothetical protein
13484756	2.45	2.88	-1.35	0.428887	0.62258		
13514744	2.45	2.88	-1.35	0.13423	0.463251	AT5G53960	Mid-1-related chloride channel domain-containing protein
13397523	2.45	2.9	-1.36	0.051461	0.382129	AT2G26695	Ran BP2/NZF zinc finger-like protein
13407578	2.45	2.9	-1.37	0.09004	0.427018	AT2G03740	late embryogenesis abundant domain-containing protein
13534956	2.45	2.91	-1.37	0.321559	0.571349	AT5G43401	putative defensin-like protein 254
13420602	2.45	2.92	-1.38	0.532502	0.687596	AT2G42885	defensin-like protein 54
13431641	2.45	2.96	-1.43	0.299222	0.562613	AT3G22010	putative cysteine-rich repeat secretory protein 31
13510680	2.45	2.97	-1.44	0.344992	0.579915	AT5G44970	RNI-like and FBD domain-containing protein-like protein

13518870	2.45	2.97	-1.44	0.135706	0.464905	KPL	protein kokopelli
13520858	2.45	2.99	-1.46	0.014748	0.313095	AT5G01420	Glutaredoxin family protein
13355396	2.45	3.03	-1.5	0.112631	0.443738	AT1G65230	hypothetical protein
13472833	2.45	3.04	-1.51	0.218198	0.520726	AT4G24275	hypothetical protein
13396180	2.45	3.06	-1.53	0.263861	0.544899	scpl10	serine carboxypeptidase-like 10
13538024	2.45	3.06	-1.53	0.316679	0.568567	HSD6	hydroxysteroid dehydrogenase 6
13374705	2.45	3.11	-1.58	0.28062	0.554406	AT1G31960	hypothetical protein
13370096	2.45	3.13	-1.6	0.241662	0.53362	JMT	jasmonic acid carboxyl methyltransferase
13470492	2.45	3.14	-1.62	0.352582	0.583214	AT4G18660	hypothetical protein
13374910	2.45	3.16	-1.64	0.098865	0.433702	AT1G32520	hypothetical protein
13426837	2.45	3.16	-1.64	0.47764	0.650814		
13397096	2.45	3.19	-1.67	0.443041	0.631133	BGLU14	beta glucosidase 14
13437883	2.45	3.21	-1.69	0.272984	0.549828	AT3G51020	hypothetical protein
13505966	2.45	3.22	-1.7	0.303897	0.564485	AT5G26320	TRAF-like family protein
13411910	2.45	3.22	-1.71	0.086433	0.422075	GH3.3	indole-3-acetic acid-amido synthetase GH3.3
13450618	2.45	3.28	-1.77	0.005413	0.27688	AT3G17520	late embryogenesis abundant domain-containing protein
13344879	2.45	3.31	-1.81	0.188903	0.502829	AT1G26916	hypothetical protein
13349418	2.45	3.33	-1.84	0.126392	0.455512	GA2OX4	gibberellin 2-oxidase 4
13341238	2.45	3.57	-2.18	0.408357	0.610666	AT1G17200	UPF0497 membrane protein
13377579	2.45	3.63	-2.27	0.260442	0.542969	NHD2	Na+/H+ antiporter 2
13481485	2.45	3.66	-2.31	0.377899	0.594163	AT4G03566	hypothetical protein
13465360	2.45	3.79	-2.52	0.370904	0.591914	AT4G03443	hypothetical protein
13537748	2.45	3.88	-2.7	0.323723	0.572692	AT5G50220	putative F-box protein
13462661	2.45	4.02	-2.98	0.333715	0.576298	AT3G61028	Putative endonuclease or glycosyl hydrolase
13452080	2.45	4.06	-3.04	0.257137	0.541178	BBX32	B-box 32 protein
13370858	2.45	4.1	-3.12	0.178782	0.494636	AT1G21460	Nodulin MtN3-like protein
13475298	2.45	4.77	-5	0.255063	0.540315	AT4G29600	cytidine/deoxycytidylate deaminase-like protein
13532634	2.45	4.96	-5.71	0.413805	0.614016	AT5G36540; AT5G36310; AT5G36340	ECA1 gametogenesis related family protein
13440698	2.44	1.97	1.39	0.040302	0.365591	AT3G57760	protein kinase family protein
13533123	2.44	2.11	1.26	0.160046	0.482605	AT5G37910	putative E3 ubiquitin-protein ligase SINA-like 9
13451722	2.44	2.17	1.21	0.05938	0.39493	AT3G20360	TRAF-like family protein
13465977	2.44	2.21	1.18	0.247829	0.536315	AT4G05240	ubiquitin family protein
13378838	2.44	2.24	1.15	0.043071	0.370814	IAA6	auxin-responsive protein IAA6
13436276	2.44	2.27	1.12	0.823368	0.88705	AT3G46904	hypothetical protein
13481310	2.44	2.34	1.07	0.681804	0.78902	AT4G03153	kinase interacting-like protein
13355696	2.44	2.36	1.06	0.842106	0.900539	AT1G66090	TIR-NBS class of disease resistance protein
13400142	2.44	2.36	1.06	0.882707	0.928511	AT2G33010	Ubiquitin-associated (UBA) protein
13348695	2.44	2.39	1.04	0.756621	0.840806	scpl44	serine carboxypeptidase-like 44
13376629	2.44	2.39	1.04	0.722334	0.817715	AT1G47495	hypothetical protein
13386233	2.44	2.4	1.03	0.953186	0.972294	AT1G72080	hypothetical protein
13495740	2.44	2.39	1.03	0.913728	0.947782	CYP96A11	cytochrome P450, family 96, subfamily A, polypeptide 11
13392525	2.44	2.41	1.02	0.88446	0.929491	AT2G11200	F-box-like protein
13385410	2.44	2.46	-1.01	0.887818	0.931296	AT1G69630	F-box/LRR-repeat protein 13

13467655	2.44	2.46	-1.01	0.954195	0.972632	AT4G11911	hypothetical protein
13447434	2.44	2.48	-1.03	0.828767	0.891221	AT3G10580	myb family transcription factor
13444857	2.44	2.53	-1.06	0.675024	0.784577	AT3G05110	hypothetical protein
13508188	2.44	2.53	-1.06	0.892117	0.933616	AT5G38820	Transmembrane amino acid transporter family protein
13538682	2.44	2.52	-1.06	0.874193	0.922202	EDA41	FBD, F-box and leucine rich repeat domain-containing protein
13539752	2.44	2.52	-1.06	0.737032	0.827712	GEX1	gamete expressed protein 1
13438300	2.44	2.53	-1.07	0.575016	0.716289	scpl37	carboxypeptidase D
13532048	2.44	2.54	-1.07	0.527445	0.68447	AT5G33393	hypothetical protein
13455567	2.44	2.58	-1.09	0.563426	0.708322	AT3G42550	aspartyl protease family protein
13397841	2.44	2.62	-1.14	0.191573	0.504617	AT2G27402	hypothetical protein
13450867	2.44	2.66	-1.16	0.093141	0.429815	AT3G18470	PLAC8 family protein
13451543	2.44	2.67	-1.17	0.595181	0.730084	AT3G19850	Phototropic-responsive NPH3 family protein
13524458	2.44	2.68	-1.18	0.468661	0.645889	AT5G10590	hypothetical protein
13445051	2.44	2.69	-1.19	0.630299	0.754027	AT3G05610	pectinesterase 21
13464196	2.44	2.7	-1.2	0.482678	0.653579	CRK41	cysteine-rich receptor-like protein kinase 41
13418319	2.44	2.71	-1.21	0.188653	0.502829	AT2G37810	cysteine/histidine-rich C1 domain-containing protein
13428007	2.44	2.71	-1.21	0.317787	0.56938	AT3G14140	oxidoreductase, 2OG-Fe(II) oxygenase family protein
13500445	2.44	2.73	-1.22	0.249413	0.537022	AT5G11660	hypothetical protein
13357093	2.44	2.74	-1.23	0.433034	0.625185	AT1G69610	hypothetical protein
13396409	2.44	2.74	-1.23	0.33501	0.576654	AT2G23690	hypothetical protein
13436974	2.44	2.76	-1.25	0.011055	0.297771	AT3G48420	haloacid dehalogenase-like hydrolase domain-containing protein
13348755	2.44	2.77	-1.25	0.146727	0.470962	AT1G44010	hypothetical protein
13348068	2.44	2.77	-1.26	0.297599	0.562346	AT1G35500	hypothetical protein
13427337	2.44	2.78	-1.27	0.375147	0.593207	AT3G12775	ubiquitin-conjugating enzyme family protein
13490268	2.44	2.8	-1.29	0.289297	0.557997	AT4G27190	NB-ARC domain-containing disease resistance protein
13540471	2.44	2.83	-1.31	0.053677	0.384062	VIN3	protein VERNALIZATION INSENSITIVE 3
13439241	2.44	2.83	-1.32	0.175248	0.492147	CDKB1;1	cyclin-dependent kinase B1-1
13359577	2.44	2.88	-1.36	0.339647	0.577996	AT1G75880	GDSL esterase/lipase EXL1
13507367	2.44	2.88	-1.36	0.253204	0.539191	AT5G35695	hypothetical protein
13353937	2.44	2.9	-1.37	0.468115	0.645611	NAC025	NAC domain containing protein 25
13532293	2.44	2.91	-1.38	0.039214	0.364658	HDA7	histone deacetylase7
13399031	2.44	2.93	-1.41	0.197445	0.507745	AT2G30690	hypothetical protein
13437014	2.44	2.94	-1.41	0.321454	0.571334	AT3G48460	GDSL esterase/lipase
13456381	2.44	2.97	-1.44	0.026471	0.338732	AT3G45480	RING/U-box protein with C6HC-type zinc finger
13349371	2.44	2.98	-1.45	0.02908	0.347859	AT1G47810	F-box protein
13513291	2.44	3.25	-1.75	0.203171	0.510604	AT5G50940	RNA-binding KH domain-containing protein
13361248	2.44	3.26	-1.76	0.133468	0.46303	AT1G79890	chromosome transmission fidelity protein 1
13543055	2.44	3.29	-1.8	0.342239	0.578933	ARI14	putative E3 ubiquitin-protein ligase ARI14
13343704	2.44	3.3	-1.81	0.218493	0.520794	AT1G23130	polyketide cyclase/dehydrase and lipid transport-like protein
13505921	2.44	3.32	-1.84	0.008758	0.293015	AT5G26250	sugar transport protein 8
13411973	2.44	3.34	-1.87	0.27231	0.549146	CPT	dehydrodolichyl diphosphate synthase 1

13367790	2.44	3.37	-1.91	0.170192	0.48812	AT1G14315	F-box domain-containing protein
13414908	2.44	3.38	-1.92	0.457395	0.639458	ETC2	DNA binding / transcription factor
13470498	2.44	3.43	-1.99	0.364851	0.589467	AT4G18690	hypothetical protein
13471834	2.44	3.62	-2.27	0.232946	0.528773	BGLU47	beta-glucosidase 47
13537643	2.44	3.63	-2.28	0.390013	0.599985	AT5G49920; CPHSC70-2EAT SHOCK PROTEIN 70-2	octicosapeptide/Phox/Bem1p domain-containing protein; heat shock protein 70-2
13341440	2.44	3.73	-2.44	0.212958	0.517954	AT1G17545	Protein phosphatase 2C family protein
13338322	2.44	3.73	-2.45	0.015802	0.315212	AT1G10385	Vps51/Vps67 family (components of vesicular transport) protein
13526713	2.44	3.73	-2.45	0.429542	0.622793	CO	zinc finger protein CONSTANS
13357909	2.44	3.82	-2.6	0.316193	0.568464	AT1G71690	hypothetical protein
13342710	2.44	3.87	-2.69	0.245558	0.535303	AT1G20735	F-box and associated interaction domain-containing protein
13472361	2.44	3.88	-2.71	0.377085	0.59368	CRK23	putative cysteine-rich receptor-like protein kinase 23
13511777	2.44	3.97	-2.9	0.40641	0.609532	NF-YB6	nuclear transcription factor Y subunit B-6
13376373	2.44	4.14	-3.26	0.207705	0.513587	AT1G44941	hypothetical protein
13399809	2.44	4.29	-3.61	0.342049	0.578823	AT2G32350	ubiquitin-like domain-containing protein
13511282	2.44	4.3	-3.64	0.462968	0.643066	AT5G46500	hypothetical protein
13487194	2.44	4.5	-4.19	0.056323	0.389049	CYP71A27	cytochrome P450, family 71, subfamily A, polypeptide 27
13448932	2.43	1.92	1.42	0.302382	0.563905		
13506998	2.43	2.08	1.27	0.375552	0.593207	AT5G28950	hypothetical protein
13353323	2.43	2.12	1.24	0.075452	0.410503	AT1G58602	LRR and NB-ARC domain-containing disease resistance protein
13404097	2.43	2.21	1.17	0.224426	0.524988		
13342407	2.43	2.22	1.16	0.41434	0.614187	AT1G19930	putative F-box/kelch-repeat protein
13334831	2.43	2.29	1.1	0.468152	0.645611	AT1G02320	hypothetical protein
13370237	2.43	2.3	1.1	0.547483	0.697731	AT1G19900	glyoxal oxidase-related protein
13425841	2.43	2.29	1.1	0.345422	0.580183	AT3G08790	ENTH/VHS/GAT family protein
13524356	2.43	2.3	1.1	0.597945	0.731294	CYCD4;2	cyclin-D4-2
13468067	2.43	2.37	1.04	0.656974	0.772575	AT4G13210	putative pectate lyase 14
13378024	2.43	2.5	-1.05	0.861946	0.91398	AT1G50770	Aminotransferase-like, plant mobile domain family protein
13403941	2.43	2.51	-1.05	0.671788	0.782307	AT2G41920	protein kinase-like protein
13420114	2.43	2.51	-1.05	0.844524	0.901921	CPK14	calcium-dependent protein kinase 14
13370023	2.43	2.53	-1.07	0.579576	0.719511	AT1G19410	FBD / Leucine Rich Repeat domains containing protein
13381058	2.43	2.53	-1.07	0.587147	0.72546	AT1G59675	F-box protein
13373200	2.43	2.54	-1.08	0.510967	0.672668	AT1G28180	P-loop containing nucleoside triphosphate hydrolase-like protein
13469349	2.43	2.57	-1.1	0.100824	0.434702	AT4G15975	RING-H2 finger protein ATL17
13493219	2.43	2.61	-1.13	0.282691	0.555512	AT4G33820	glycosyl hydrolase family 10 protein
13430950	2.43	2.63	-1.15	0.398777	0.605002	DELTA-VPE; AT3G20220	legumain; SAUR-like auxin-responsive protein
13516623	2.43	2.64	-1.16	0.198507	0.508119	AT5G58280	AP2/B3 domain-containing protein
13402914	2.43	2.66	-1.17	0.645087	0.763627	AT2G39790	glycoprotein-like protein

13450471	2.43	2.65	-1.17	0.305015	0.565001	AT3G17230	invertase/pectin methylesterase inhibitor-like protein
13457758	2.43	2.67	-1.18	0.470796	0.647239	AT3G49305	hypothetical protein
13413709	2.43	2.7	-1.21	0.316564	0.568553	AT2G27280	Coiled-coil domain-containing protein 55 (DUF2040)
13539303	2.43	2.7	-1.21	0.074101	0.410257	AT5G54240	hypothetical protein
13394704	2.43	2.72	-1.23	0.452587	0.636679	AT2G19610	RING/U-box domain-containing protein
13519607	2.43	2.73	-1.23	0.250563	0.537797	AT5G65170	VQ motif-containing protein
13542051	2.43	2.73	-1.23	0.534275	0.688574	PIF7	transcription factor PIF7
13532865	2.43	2.75	-1.24	0.562101	0.707496	AT5G37270	RING/U-box domain-containing protein
13415978	2.43	2.74	-1.25	0.052204	0.382504	UBP1	ubiquitin carboxyl-terminal hydrolase 1
13524807	2.43	2.75	-1.25	0.381591	0.596598	AT5G11425	hypothetical protein
13414217	2.43	2.78	-1.28	0.058028	0.392874	RAD51B	DNA repair protein RAD51-like 2
13436655	2.43	2.83	-1.32	0.091102	0.428286	PUB39	U-box domain-containing protein 39
13413871	2.43	2.87	-1.35	0.209072	0.514533	AT2G27650	Ubiquitin carboxyl-terminal hydrolase-related protein
13542412	2.43	2.89	-1.37	0.266552	0.546291	RR23	protein response regulator 23
13336375	2.43	2.91	-1.39	0.226082	0.524988	AT1G05920	hypothetical protein
13428864	2.43	2.9	-1.39	0.46561	0.644481	AT3G15910	hypothetical protein
13444207	2.43	2.93	-1.42	0.374857	0.593164	AT3G03670	peroxidase
13358889	2.43	2.96	-1.45	0.158693	0.481364	AT1G73870	zinc finger protein CONSTANS-LIKE 7
13395945	2.43	3	-1.49	0.163566	0.485314	AT2G22590	UDP-glycosyltransferase-like protein
13525413	2.43	3.03	-1.51	0.054685	0.386003	CLE40	protein CLAVATA3/ESR-related 40
13517010	2.43	3.03	-1.52	0.191042	0.504305	AT5G59390	XH/XS domain-containing protein
13364121	2.43	3.05	-1.53	0.126318	0.455497	AT1G06148	hypothetical protein
13369869	2.43	3.09	-1.58	0.269517	0.547909	AT1G18871	hypothetical protein
13415066	2.43	3.16	-1.65	0.01331	0.306887	AT2G30695	hypothetical protein
13496785	2.43	3.22	-1.73	0.336163	0.576994	AT5G02930	F-box/LRR-repeat protein
13506916	2.43	3.23	-1.74	0.052125	0.382443	AT5G28615	RNA-directed DNA polymerase-related family protein
13391458	2.43	3.31	-1.83	0.07017	0.406528	AT2G04045	defensin-like protein 295
13373468	2.43	3.32	-1.86	0.222612	0.523826	AT1G28695	nucleotide-diphospho-sugar transferase-like protein
13417274	2.43	3.35	-1.89	0.276832	0.551433	AT2G35580	serine protease inhibitor-like protein
13341313	2.43	3.45	-2.02	0.318668	0.569779	AT1G17300	hypothetical protein
13539125	2.43	3.47	-2.05	0.24593	0.535608	AT5G53810	putative O-diphenol-O-methyl transferase
13485580	2.43	3.52	-2.13	0.178659	0.494539	AT4G16640	matrix metalloprotease domain-containing protein
13445324	2.43	3.61	-2.27	0.071738	0.408234	AT3G06019	hypothetical protein
13367856	2.43	3.63	-2.29	0.02202	0.326278	AT1G14455	hypothetical protein
13532040	2.43	3.68	-2.38	0.331165	0.576012	AT5G33370	GDSL esterase/lipase
13531874	2.43	3.75	-2.5	0.288251	0.557599	AT5G28780	PIF1 helicase
13410708	2.43	3.8	-2.57	0.463719	0.643345	MEO	S-phase kinase-associated protein 1
13452790	2.43	3.83	-2.64	0.37033	0.591914	RLP37	receptor like protein 37
13506905	2.43	3.96	-2.88	0.026656	0.339318	AT5G28520	mannose-binding lectin-like protein
13343052	2.43	4.16	-3.32	0.076117	0.410503	AT1G21670	hypothetical protein
13347658	2.43	4.36	-3.81	0.206935	0.513335	AT1G34070	hypothetical protein
13468664	2.43	4.68	-4.77	0.335853	0.576799	AT4G14815	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13517182	2.43	4.78	-5.1	0.063602	0.399503	HSP18.2	heat shock protein 18.2

13536864	2.42	1.82	1.52	0.181462	0.49681	AT5G48205	zinc ion binding protein
13482064	2.42	1.86	1.48	0.008757	0.293015	AT4G07350	hypothetical protein
13484629	2.42	1.99	1.34	0.183166	0.497967	AT4G14530	hypothetical protein
13534964	2.42	2.06	1.29	0.035418	0.356116	AT5G43440	putative 2-oxoglutarate-dependent dioxygenase
13503449	2.42	2.07	1.28	0.434825	0.626354	AT5G19315	putative defensin-like protein 23
13450484	2.42	2.09	1.26	0.473537	0.648287	AT3G17261	hypothetical protein
13545513	2.42	2.09	1.25	0.532443	0.687596		
13409824	2.42	2.11	1.24	0.093688	0.430403	AT2G17850	senescence-associated family protein
13379038	2.42	2.16	1.2	0.372126	0.591916	AT1G53420	putative LRR receptor-like serine/threonine-protein kinase
13357674	2.42	2.19	1.17	0.301304	0.563858	AT1G70960	putative F-box protein
13468974	2.42	2.2	1.17	0.096277	0.432444	CYP702A3	cytochrome P450, family 702, subfamily A, polypeptide 3
13423668	2.42	2.24	1.13	0.712128	0.810415	GSTF11	glutathione S-transferase
13348061	2.42	2.31	1.08	0.484827	0.654689	AT1G35490	bZIP family transcription factor
13396901	2.42	2.3	1.08	0.848051	0.904379		
13353254	2.42	2.36	1.04	0.754117	0.839137	AT1G58310	F-box protein
13398594	2.42	2.44	-1.01	0.854068	0.908364	AT2G29360	tropine dehydrogenase
13353155	2.42	2.48	-1.04	0.932583	0.959057	AT1G57830	Toll-Interleukin-Resistance domain-containing protein
13411630	2.42	2.47	-1.04	0.899252	0.937961		
13437453	2.42	2.48	-1.04	0.880878	0.927093	AT3G49520	putative F-box protein
13452912	2.42	2.47	-1.04	0.615067	0.743517	RTFL13	protein rotundifolia like 13
13417451	2.42	2.5	-1.05	0.16118	0.483302	AT2G36026; AT2G36030	Ovate family protein; hypothetical protein
13502733	2.42	2.49	-1.05	0.797317	0.869615	AT5G17580	Phototropic-responsive NPH3 family protein
13459377	2.42	2.51	-1.06	0.732874	0.825344	RTFL1	protein rotundifolia like 1
13357190	2.42	2.53	-1.08	0.776766	0.854626	AT1G69825	putative defensin-like protein 33
13466476	2.42	2.54	-1.08	0.672195	0.782654	AT4G08867	hypothetical protein
13506270	2.42	2.52	-1.08	0.608668	0.738656	AT5G27020; TPR3	hypothetical protein; Topless-related protein 3
13409189	2.42	2.58	-1.11	0.231984	0.528375	AT2G16210	B3 domain-containing protein
13444181	2.42	2.59	-1.12	0.078666	0.414078	AT3G03626	hypothetical protein
13431596	2.42	2.63	-1.15	0.695453	0.799201	AT3G21900	putative cysteine-rich repeat secretory protein 16
13453992	2.42	2.64	-1.16	0.554441	0.702526	AT3G26616	hypothetical protein
13398614	2.42	2.7	-1.21	0.019133	0.321499	MTPB1; GSTU7	metal tolerance protein B; glutathione S-transferase tau 7
13399022	2.42	2.7	-1.22	0.572967	0.71497	AT2G30680	hypothetical protein
13415717	2.42	2.73	-1.24	0.274604	0.550583	CYS2	cysteine proteinase inhibitor 2
13436413	2.42	2.76	-1.27	0.091839	0.429207	PEX11B	peroxisomal membrane protein 11B
13432707	2.42	2.78	-1.28	0.416646	0.6156	AT3G24250	glycine-rich protein
13389249	2.42	2.81	-1.32	0.456228	0.638899	SRF5	STRUBBELIG-receptor family 5
13485203	2.42	2.82	-1.32	0.289509	0.558031	AT4G16080	hypothetical protein
13402772	2.42	2.85	-1.35	0.366456	0.590194	PPL2	PsbP-like protein 2
13499466	2.42	2.86	-1.36	0.287008	0.557153	AT5G08760	hypothetical protein
13382990	2.42	2.95	-1.44	0.044048	0.373501	SRP3	serpin-Z1
13471397	2.42	2.97	-1.46	0.284247	0.556108	ACA4	alpha carbonic anhydrase 4

13356152	2.42	2.99	-1.48	0.400262	0.60596	AT1G67455	F-box and associated interaction domain-containing protein
13429214	2.42	2.98	-1.48	0.530425	0.686612	AT3G16660	Pollen Ole e 1 allergen and extensin family protein
13454043	2.42	3.03	-1.52	0.05141	0.382129	FUS3	B3 domain-containing transcription factor FUS3
13382353	2.42	3.07	-1.56	0.402058	0.60697	AT1G62450	Immunoglobulin E-set-like protein
13378993	2.42	3.08	-1.58	0.421869	0.618195	AT1G53282	Plant thionin family protein
13359607	2.42	3.09	-1.59	0.403012	0.607573	AT1G75920	GDSL esterase/lipase EXL5
13368403	2.42	3.14	-1.65	0.040744	0.366076	AT1G15385	hypothetical protein
13348387	2.42	3.15	-1.65	0.183521	0.498297	AT1G37020	cysteine proteinase-like protein
13431464	2.42	3.18	-1.69	0.451034	0.635828	AT3G21371	hypothetical protein
13531984	2.42	3.19	-1.7	0.054761	0.386003	AT5G30520	hypothetical protein
13345051	2.42	3.22	-1.74	0.085725	0.420651	AT1G27260	paired amphipathic helix repeat-containing protein
13474785	2.42	3.23	-1.75	0.121104	0.45228	PSB28	photosystem II reaction center PSB28 protein
13498828	2.42	3.23	-1.75	0.266017	0.546291	AT5G07490	hypothetical protein
13336817	2.42	3.23	-1.76	0.315472	0.568259	AT1G06990	GDSL esterase/lipase
13346361	2.42	3.24	-1.76	0.138607	0.46568	UGT78D1	flavonol-3-O-glucoside L-rhamnosyltransferase
13411492	2.42	3.26	-1.79	0.230894	0.527788	RAB7A	RAB GTPase-like protein 7A
13408981	2.42	3.28	-1.82	0.236857	0.530992	AT2G15180	CCHC-type zinc knuckle protein
13379677	2.42	3.3	-1.85	0.076115	0.410503	AT1G54930	GRF zinc finger / Zinc knuckle protein
13441194	2.42	3.33	-1.87	0.421326	0.617894	AT3G59160	putative F-box/LRR-repeat protein
13434757	2.42	3.34	-1.89	0.342922	0.579024	AT3G30385; AT3G30387; AT3G30383	hypothetical protein
13434759	2.42	3.34	-1.89	0.342922	0.579024	AT3G30385; AT3G30387; AT3G30383	hypothetical protein
13514733	2.42	3.45	-2.04	0.382788	0.597164	AT5G53910	RING/U-box domain-containing protein
13384087	2.42	3.48	-2.08	0.20239	0.510403	AT1G66790; AT3G50674; AT5G53740	hypothetical protein
13437799	2.42	3.48	-2.08	0.20239	0.510403	AT1G66790; AT3G50674; AT5G53740	hypothetical protein
13505561	2.42	3.56	-2.2	0.475678	0.649701	AT5G25230	elongation factor EF-2
13348044	2.42	3.57	-2.21	0.172474	0.489773	AT1G35420	alpha/beta-hydrolase domain-containing protein
13393072	2.42	3.57	-2.22	0.081701	0.416797	LTP	non-specific lipid-transfer protein 7
13478916	2.42	3.59	-2.25	0.25119	0.538315	ACS8	1-aminocyclopropane-1-carboxylate synthase 8
13414917	2.42	3.69	-2.41	0.10731	0.4394	TCL1	protein trichomeless 1
13414667	2.42	3.72	-2.47	0.310472	0.566973	AT2G29840	RING/U-box domain-containing protein
13414623	2.42	3.85	-2.71	0.45516	0.638363	AT2G29654	hypothetical protein
13513061	2.42	3.87	-2.72	0.368489	0.590997	AT5G50270	FBD domain-containing protein
13459229	2.42	3.87	-2.74	0.354674	0.584383	PAP21	purple acid phosphatase 21
13356032	2.42	4	-3	0.477099	0.650508	LBD40	LOB domain-containing protein 40

13521211	2.42	5.14	-6.57	0.34818	0.580705	AT5G02340	cysteine/histidine-rich C1 domain-containing protein
13371752	2.41	1.97	1.36	0.243166	0.534289	AT1G23660	hypothetical protein
13407713	2.41	2.1	1.24	0.232624	0.528587	AT2G04190	TRAF-like family protein
13378073	2.41	2.2	1.16	0.282452	0.555492	AT1G50980	putative FBD-associated F-box protein
13472507	2.41	2.22	1.14	0.199162	0.50859		
13342583	2.41	2.23	1.13	0.851476	0.906332		
13481316	2.41	2.23	1.13	0.345933	0.58045	AT4G03165	hypothetical protein
13372597	2.41	2.25	1.12	0.681498	0.788762	AT1G26350	hypothetical protein
13431518	2.41	2.26	1.11	0.314109	0.568024	AT3G21490	heavy metal transport/detoxification domain-containing protein
13383722	2.41	2.27	1.1	0.826119	0.889277	AAE12	acyl activating enzyme 12
13531638	2.41	2.3	1.08	0.567332	0.710969	AT5G27944	agamous-like MADS-box protein
13505726	2.41	2.31	1.07	0.595677	0.730264	AT5G25570	hypothetical protein
13401585	2.41	2.32	1.06	0.42992	0.622923	AT2G36540	haloacid dehalogenase-like hydrolase domain-containing protein
13383840	2.41	2.35	1.04	0.758192	0.841641	AT1G66110	hypothetical protein
13401784	2.41	2.36	1.03	0.820144	0.884896	AT2G37030	SAUR-like auxin-responsive protein
13446085	2.41	2.37	1.03	0.946225	0.967793	AT3G07290	pentatricopeptide repeat-containing protein
13385914	2.41	2.4	1.01	0.909114	0.944742		
13400534	2.41	2.4	1.01	0.962329	0.977819	MEE20	hypothetical protein
13341112	2.41	2.41	-1.01	0.986317	0.992113	TPS2	trehalose-phosphatase/synthase 2
13488422	2.41	2.43	-1.01	0.934067	0.960099	CRK15	cysteine-rich receptor-like protein kinase 15
13498133	2.41	2.45	-1.03	0.868208	0.917995	AT5G05900	UDP-glucoronosyl/UDP-glucosyl transferase family protein
13432979	2.41	2.5	-1.06	0.053681	0.384062	AT3G25080	hypothetical protein
13440661	2.41	2.5	-1.07	0.835794	0.896282	NTT	C2H2-type zinc finger protein
13533204	2.41	2.52	-1.08	0.684814	0.791478	AT5G38260	protein kinase family protein
13435113	2.41	2.54	-1.09	0.167135	0.486855	AT3G43490	Zinc knuckle (CCHC-type) family protein
13496025	2.41	2.53	-1.09	0.288804	0.557782	AT5G01130	hypothetical protein
13432475	2.41	2.58	-1.12	0.756817	0.840806	AT3G23685	F-box associated ubiquitination effector-like protein
13440704	2.41	2.62	-1.16	0.661321	0.775393	AT3G57770	putative protein kinase
13470055	2.41	2.63	-1.17	0.04023	0.365591	AT4G17700	hypothetical protein
13350668	2.41	2.66	-1.19	0.204568	0.511428	AT1G51120	RAV-like factor
13539803	2.41	2.67	-1.2	0.328629	0.574554	AT5G55565	defensin-like protein 41
13416968	2.41	2.69	-1.21	0.551183	0.700448	MEE27	transcription factor jumonji and C5HC2 type zinc finger domain-containing protein
13348354	2.41	2.71	-1.23	0.002889	0.253459	AT1G36925	hypothetical protein
13461090	2.41	2.7	-1.23	0.642647	0.761789	AT3G57210	hypothetical protein
13402936	2.41	2.73	-1.25	0.195412	0.506402	AT2G39820	translation initiation factor eIF-6
13394195	2.41	2.74	-1.26	0.40093	0.606349	AT2G18420	Gibberellin-regulated family protein
13530839	2.41	2.77	-1.28	0.348189	0.580705	AT5G25420	putative nucleobase-ascorbate transporter 9
13539570	2.41	2.77	-1.28	0.342699	0.579024	RAN4	GTP-binding nuclear protein Ran-4
13390157	2.41	2.79	-1.3	0.471681	0.64746	WRKY66	putative WRKY transcription factor 66
13385897	2.41	2.8	-1.31	0.439582	0.629456	AT1G70944	hypothetical protein
13531840	2.41	2.83	-1.34	0.012428	0.301412	AT5G28620	protein kinase C-like protein
13445435	2.41	2.85	-1.35	0.480128	0.652072	AT3G06280	F-box associated ubiquitination effector family protein
13357274	2.41	2.86	-1.36	0.332418	0.576298	AT1G70120	hypothetical protein

13395641	2.41	2.87	-1.38	0.210937	0.516243	AT2G21780	hypothetical protein
13540994	2.41	2.88	-1.39	0.479685	0.651994	AT5G58630; AT5G58620	hypothetical protein; zinc finger CCCH domain-containing protein 66
13346553	2.41	2.89	-1.4	0.163855	0.485532	UFO	protein UNUSUAL FLORAL ORGANS
13412827	2.41	2.93	-1.44	0.395829	0.603697	AT2G25565	hypothetical protein
13532787	2.41	2.93	-1.44	0.463055	0.643087	AT5G36920	hypothetical protein
13453685	2.41	2.95	-1.45	0.057302	0.392016	IDL1	protein IDA-LIKE 1
13343427	2.41	2.95	-1.46	0.31901	0.57007	AT1G22630	hypothetical protein
13419379	2.41	2.95	-1.46	0.150293	0.473213	DREB2C	dehydration-responsive element-binding protein 2C
13434994	2.41	2.98	-1.48	0.320525	0.570934	AT3G42780	hypothetical protein
13371241	2.41	2.99	-1.5	0.313805	0.568024	UGT85A7	UDP-glucosyl transferase 85A7
13425113	2.41	3.01	-1.51	0.033792	0.354018	PAPS3	poly(A) polymerase 3
13502773	2.41	3.04	-1.54	0.380793	0.596106	AT5G17830	Plasma-membrane choline transporter family protein
13509168	2.41	3.07	-1.57	0.249011	0.536662	AT5G41390	PLAC8-like protein
13397206	2.41	3.15	-1.67	0.192759	0.505579	AT2G25890	Oleosin-like protein
13439277	2.41	3.17	-1.69	0.206358	0.513094	AT3G54240	alpha/beta-hydrolases family protein
13401065	2.41	3.19	-1.71	0.290409	0.558546	AT2G35460	late embryogenesis abundant hydroxyproline-rich glycoprotein
13421162	2.41	3.21	-1.74	0.24433	0.534851	AT2G44198	hypothetical protein
13490609	2.41	3.22	-1.76	0.03667	0.359695	AT4G27930	hypothetical protein
13454609	2.41	3.24	-1.79	0.014311	0.313095	MYB21; AT3G27809	transcription factor MYB21; hypothetical protein
13469477	2.41	3.24	-1.79	0.13304	0.462568	AT4G16200	SWAP/Surp domain-containing protein
13425355	2.41	3.27	-1.81	0.471664	0.64746	AT3G07120	RING/U-box domain-containing protein
13455343	2.41	3.27	-1.81	0.057826	0.39275	AT3G30580	hypothetical protein
13453127	2.41	3.28	-1.83	0.139333	0.466238	FMA	transcription factor FAMA
13523827	2.41	3.37	-1.94	0.474326	0.64883	AT5G09370	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13465194	2.41	3.39	-1.97	0.313189	0.567941		
13407070	2.41	3.44	-2.04	0.100056	0.434569	GAD3	glutamate decarboxylase 3
13492474	2.41	3.45	-2.05	0.391003	0.600572	ENODL4	early nodulin-like protein 4
13364175	2.41	3.5	-2.12	0.315328	0.568203	AT1G06340	Plant Tudor-like protein
13455974	2.41	3.57	-2.22	0.371701	0.591916	AT3G44326	F-box protein
13470496	2.41	3.59	-2.26	0.163802	0.485527	AT4G18680	hypothetical protein
13413521	2.41	3.64	-2.35	0.262748	0.543817	MYB81	myb domain protein 81
13374929	2.41	3.67	-2.39	0.321626	0.571349	AT1G32585	VQ motif-containing protein-like protein
13346366	2.41	3.69	-2.43	0.115677	0.446371	AT1G30560	putative glycerol-3-phosphate transporter 3
13406703	2.41	3.69	-2.43	0.252491	0.538793	AT2G01240	reticulon-like protein B15
13513861	2.41	3.69	-2.43	0.069817	0.406403	crr1	putative dihydrodipicolinate reductase 3
13481980	2.41	3.71	-2.45	0.365325	0.589672	AT4G05494	hypothetical protein
13467920	2.41	3.99	-2.97	0.023718	0.331326	PSAL	photosystem I reaction center subunit XI
13384899	2.41	4.02	-3.04	0.367465	0.590689	AT1G68380	Core-2/I-branching beta-1,6-N-acetylglucosaminyltransferase family protein
13485088	2.41	4.04	-3.1	0.369108	0.591437	AT4G15750	plant invertase/pectin methylesterase inhibitor domain-containing protein
13356594	2.41	4.04	-3.11	0.215432	0.519459	AT1G68390	Core-2/I-branching beta-1,6-N-acetylglucosaminyltransferase family protein

13354970	2.41	4.21	-3.48	0.249302	0.5369	AT1G64130	Polyketide cyclase/dehydrase and lipid transport superfamily protein
13455196	2.41	4.23	-3.53	0.46721	0.645127	AT3G29570	hypothetical protein
13474058	2.41	4.34	-3.81	0.166239	0.486308	MYB97	myb domain protein 97
13484083	2.4	1.47	1.89	0.080647	0.415438	HTA4	histone H2A
13359085	2.4	2.08	1.25	0.44894	0.635124	AT1G74290	esterase/lipase/thioesterase family protein
13334363	2.4	2.09	1.24	0.004782	0.26592	AT1G01520	myb family transcription factor
13545565	2.4	2.09	1.24	0.574821	0.716191		
13382240	2.4	2.12	1.22	0.338736	0.577413	SLAH1	SLAC1 homologue 1
13338006	2.4	2.13	1.21	0.466367	0.645004	AT1G09510	Rossmann-fold NAD(P)-binding domain-containing protein
13432207	2.4	2.16	1.18	0.272335	0.549146	AT3G23325	Splicing factor 3B subunit 5/RDS3 complex subunit 10
13498381	2.4	2.18	1.16	0.456296	0.638899	AT5G06380	hypothetical protein
13545457	2.4	2.21	1.14	0.524162	0.681842		
13545463	2.4	2.21	1.14	0.524162	0.681842		
13532733	2.4	2.27	1.09	0.60419	0.735188	AT5G36810; AT5G36722	hypothetical protein
13453701	2.4	2.29	1.08	0.770943	0.850722	AT3G25670	leucine-rich repeat-containing protein
13409783	2.4	2.34	1.04	0.789575	0.863863	MCA2	PLAC8 domain-containing protein
13407977	2.4	2.36	1.03	0.930664	0.957704	AT2G05330	BTB/POZ domain-containing protein
13419531	2.4	2.36	1.03	0.800004	0.871171	WRKY54	WRKY DNA-binding protein 54
13429903	2.4	2.35	1.03	0.084998	0.419494	BGLU43	beta glucosidase 43
13455644	2.4	2.37	1.02	0.906937	0.943272	ATA1	protein TAPETUM 1
13375691	2.4	2.43	-1.02	0.955585	0.97361	ARF15	auxin response factor 15
13432000	2.4	2.45	-1.03	0.842846	0.900972	AT3G22940	putative F-box protein
13420389	2.4	2.45	-1.04	0.436786	0.627744	AT2G42480	TRAF-like family protein
13477295	2.4	2.45	-1.04	0.803044	0.873019	DML3	DEMETER-like protein 3
13531616	2.4	2.46	-1.04	0.848908	0.904851	NF-YC8	nuclear transcription factor Y subunit C-8
13414644	2.4	2.52	-1.09	0.403959	0.608472	AT2G29780	putative F-box/kelch-repeat protein
13483790	2.4	2.55	-1.11	0.745696	0.832977	STOMAGEN	epidermal patterning factor-like protein 9
13495229	2.4	2.57	-1.13	0.111201	0.442715	EXLA2	expansin-like A2
13433221	2.4	2.59	-1.14	0.134743	0.463251	AT3G25720	RNA-directed DNA polymerase (reverse transcriptase)-related family protein
13419450	2.4	2.63	-1.18	0.653509	0.770183	AT2G40560	protein kinase-like protein
13429993	2.4	2.66	-1.2	0.552791	0.701416	AT3G18220	Phosphatidic acid phosphatase (PAP2) family protein
13368598	2.4	2.67	-1.21	0.200502	0.509842	AT1G15850	WD40 domain-containing protein
13473602	2.4	2.73	-1.26	0.116819	0.446833	AT4G25930	hypothetical protein
13338898	2.4	2.75	-1.27	0.488111	0.657244	AT1G11655	hypothetical protein
13454422	2.4	2.74	-1.27	0.210535	0.515791	AT3G27410	hypothetical protein
13374244	2.4	2.78	-1.3	0.16048	0.482937	AT1G30780	F-box domain-containing protein
13515746	2.4	2.79	-1.31	0.240154	0.532944	AT5G56368	putative defensin-like protein 282
13458239	2.4	2.79	-1.32	0.213749	0.518273	AT3G50337	hypothetical protein
13505589	2.4	2.79	-1.32	0.423653	0.619218	AT5G25290	F-box protein
13513952	2.4	2.8	-1.32	0.318206	0.569548	EXO70A3	exocyst complex component 7
13520812	2.4	2.81	-1.33	0.017798	0.319501	AT5G01380	transcription factor
13533552	2.4	2.81	-1.33	0.269981	0.548178	AT5G39480	F-box protein
13383718	2.4	2.82	-1.34	0.239673	0.532669	BZO1	benzoyloxyglucosinolate 1

13400134	2.4	2.85	-1.37	0.050942	0.381773	AT2G33000	ubiquitin-associated (UBA)/TS-N domain-containing protein-like protein
13400374	2.4	2.85	-1.37	0.201601	0.510189	AT2G33690	Late embryogenesis abundant protein, group 6
13345520	2.4	2.86	-1.38	0.034108	0.354126	AT1G28304	hypothetical protein
13482283	2.4	2.88	-1.4	0.128742	0.458836	AT4G08630	hypothetical protein
13456003	2.4	2.94	-1.45	0.414783	0.614208	NAC061	putative NAC domain-containing protein 61
13339602	2.4	3	-1.51	0.003648	0.253459	AT1G13230	Piriformospora indica-insensitive protein 2
13391424	2.4	2.99	-1.51	0.175715	0.492347	AT2G04020	GDSL esterase/lipase
13444864	2.4	3	-1.51	0.064922	0.401596	RBK2	ROP binding protein kinase 2
13390599	2.4	3.01	-1.53	0.137956	0.46568	AT2G01810	RING/FYVE/PHD zinc finger-containing protein
13507546	2.4	3.02	-1.53	0.428205	0.622205	AT5G36730; AT5G36820	F-box protein
13507557	2.4	3.02	-1.53	0.428205	0.622205	AT5G36730; AT5G36820	F-box protein
13348514	2.4	3.04	-1.55	0.026206	0.337568	PMI1	plastid movement impaired1
13445044	2.4	3.03	-1.55	0.340315	0.578077	AT3G05600	alpha/beta-hydrolase domain-containing protein
13433264	2.4	3.06	-1.57	0.103043	0.435908	AT3G25810	myrcene/ocimene synthase 2
13531063	2.4	3.06	-1.57	0.293118	0.559559	AT5G25960	hypothetical protein
13417078	2.4	3.06	-1.58	0.267408	0.546492	AT2G35080	ATP binding / aminoacyl-tRNA ligase/ nucleotide binding protein
13504462	2.4	3.07	-1.59	0.039913	0.365591	FAR7	putative fatty acyl-CoA reductase 7
13543397	2.4	3.09	-1.61	0.264499	0.545458	AT5G64490	pumilio-family RNA binding domain-containing protein
13503275	2.4	3.1	-1.63	0.418752	0.616587	AT5G19060	hypothetical protein
13516848	2.4	3.17	-1.7	0.2175	0.520618	AT5G58830	Subtilisin-like serine endopeptidase family protein
13416498	2.4	3.23	-1.77	0.280023	0.55409	AT2G33780	VQ motif-containing protein
13498915	2.4	3.36	-1.94	0.412024	0.613123	MYB76	myb domain protein 76
13380594	2.4	3.44	-2.05	0.306344	0.565397	AT1G57730	RING/U-box domain-containing protein
13525698	2.4	3.57	-2.26	0.320554	0.570934	AT5G13620	hypothetical protein
13343460	2.4	3.67	-2.41	0.395274	0.603242	AT1G22690	putative gibberellin-regulated protein
13470761	2.4	3.87	-2.77	0.352368	0.583038	AT4G19330	putative F-box/kelch-repeat protein
13500197	2.4	3.91	-2.84	0.336732	0.577005	AT5G11130	putative glycosyltransferase
13451820	2.4	4.19	-3.46	0.252618	0.538805	AT3G20555	hypothetical protein
13425286	2.4	4.32	-3.81	0.158667	0.481364		
13530422	2.4	4.37	-3.92	0.060798	0.396754	BGLU32	beta glucosidase 32
13347373	2.4	4.48	-4.23	0.160385	0.482937	AT1G33220	putative beta-1,3-glucanase
13527190	2.39	1.9	1.4	0.152627	0.475367	AT5G16980	2-alkenal reductase
13533220	2.39	1.94	1.36	0.009951	0.296261	AT5G38314	hypothetical protein
13491709	2.39	2	1.31	0.263007	0.54396	AT4G30730	hypothetical protein
13542101	2.39	2.01	1.3	0.380381	0.595815	AT5G61370; AT5G61360	pentatricopeptide repeat-containing protein; hypothetical protein
13441887	2.39	2.02	1.29	0.117576	0.447676	AT3G60710	putative FBD-associated F-box protein
13361781	2.39	2.13	1.2	0.055737	0.388357	AT1G80970	XH domain-containing protein
13507744	2.39	2.17	1.16	0.559043	0.705327	AT5G37400	hypothetical protein
13458883	2.39	2.19	1.15	0.138487	0.46568	AT3G51915	hypothetical protein
13500243	2.39	2.24	1.1	0.484376	0.654407	AT5G11220	hypothetical protein

13513501	2.39	2.26	1.09	0.748854	0.835297	AT5G51250	F-box/kelch-repeat protein
13472651	2.39	2.29	1.07	0.482306	0.653484	AT4G23960	putative F-box protein
13436371	2.39	2.32	1.05	0.669931	0.780955	HSD2	hydroxysteroid dehydrogenase 2
13443199	2.39	2.33	1.04	0.803547	0.873466	AT3G01331	ECA1 gametogenesis related family protein
13526323	2.39	2.33	1.04	0.762305	0.844184	AT5G14900	helicase associated (HA2) domain-containing protein
13457187	2.39	2.34	1.03	0.956712	0.974443	AT3G47675	hypothetical protein
13458159	2.39	2.37	1.02	0.927686	0.956199	AT3G50170	hypothetical protein
13435613	2.39	2.42	-1.03	0.506647	0.669993	AT3G44800	Meprin and TRAF (MATH) homology domain-containing protein
13441415	2.39	2.44	-1.04	0.604747	0.735678	AT3G59610	F-box/kelch-repeat protein
13455365	2.39	2.46	-1.05	0.589204	0.726702	AT3G30840	hypothetical protein
13376224	2.39	2.5	-1.08	0.760463	0.843114	AT1G44085	glycine-rich protein
13416295	2.39	2.51	-1.09	0.401717	0.60689	AT2G33260	Tryptophan/tyrosine permease
13518552	2.39	2.52	-1.09	0.566563	0.710734	AT5G62860	F-box associated ubiquitination effector family protein
13526800	2.39	2.52	-1.09	0.43492	0.626354	AT5G16100	hypothetical protein
13448654	2.39	2.54	-1.11	0.361589	0.5879	AT3G13010	hAT dimerization domain-containing protein
13375676	2.39	2.57	-1.13	0.467503	0.645255	CYCT1;1	cyclin T1-1
13342530	2.39	2.59	-1.15	0.492531	0.659979	AT1G20132	GDSL-like lipase/acylhydrolase domain-containing protein
13349497	2.39	2.59	-1.15	0.555971	0.703353	AT1G48220	protein kinase domain-containing protein
13514767	2.39	2.59	-1.15	0.251581	0.538526	HSFA9	heat stress transcription factor A-9
13355511	2.39	2.63	-1.18	0.561853	0.707278	AT1G65483	hypothetical protein
13410119	2.39	2.63	-1.18	0.134446	0.463251	AT2G18540	RmlC-like cupin-like protein
13422843	2.39	2.62	-1.18	0.597541	0.731118	PQL1	photosystem II oxygen-evolving enhancer protein
13480322	2.39	2.63	-1.18	0.466995	0.645076	AT4G00890	proline-rich family protein
13538078	2.39	2.64	-1.19	0.004144	0.262292	AT5G50880	hypothetical protein
13408832	2.39	2.63	-1.19	0.714975	0.812699	SCRL18	putative defensin-like protein 240
13335407	2.39	2.66	-1.2	0.471617	0.64746	AT1G03710	cystatin/monellin-related protein
13462840	2.39	2.67	-1.21	0.1878	0.502152	AT3G61500	hypothetical protein
13486965	2.39	2.67	-1.21	0.095248	0.431535	AT4G19620	hypothetical protein
13473709	2.39	2.7	-1.24	0.028841	0.347391	CGA1	putative GATA transcription factor 22
13402854	2.39	2.74	-1.27	0.300962	0.563852	AT2G39690	hypothetical protein
13382217	2.39	2.76	-1.29	0.378502	0.594477	AT1G62225	hypothetical protein
13357071	2.39	2.84	-1.36	0.036382	0.358957	MYB105	myb domain protein 105
13381404	2.39	2.88	-1.41	0.063256	0.399267	AT1G60590	Pectin lyase-like protein
13414660	2.39	2.89	-1.41	0.145214	0.470007	AT2G29810	putative F-box/kelch-repeat protein
13344719	2.39	2.93	-1.45	0.31951	0.570285	CLE9	protein CLAVATA3/ESR-related 9
13362451	2.39	2.93	-1.46	0.087017	0.422399	AT1G02770	hypothetical protein
13470705	2.39	2.93	-1.46	0.079975	0.414259	NCED4	putative carotenoid cleavage dioxygenase 4
13537730	2.39	2.94	-1.46	0.088078	0.424327	AT5G50136	hypothetical protein
13346135	2.39	3	-1.53	0.208109	0.513672	AT1G30190	hypothetical protein
13482660	2.39	3	-1.53	0.508954	0.671534	AT4G10010	protein kinase family protein
13510044	2.39	3.07	-1.6	0.161608	0.483459	AT5G43513	defensin-like protein 214
13352120	2.39	3.08	-1.61	0.132791	0.462428	RPP27	putative disease resistance protein
13403273	2.39	3.08	-1.61	0.342073	0.578823	AT2G40500	protein kinase-like protein
13442219	2.39	3.08	-1.62	0.150791	0.473528	AT3G61400	putative 2-oxoglutarate-dependent dioxygenase

13440616	2.39	3.09	-1.63	0.362013	0.587911	AT3G57600	dehydration-responsive element-binding protein 2F
13351451	2.39	3.1	-1.64	0.103799	0.436308	AT1G53010	putative RING-H2 finger protein ATL19
13355044	2.39	3.1	-1.64	0.072535	0.408352	AT1G64360	hypothetical protein
13371069	2.39	3.1	-1.64	0.1586	0.481339	AT1G21950	hypothetical protein
13523004	2.39	3.12	-1.66	0.040264	0.365591	ERL2	LRR receptor-like serine/threonine-protein kinase ERL2
13348763	2.39	3.15	-1.7	0.06207	0.398248	AT1G44094	hypothetical protein
13436000	2.39	3.16	-1.7	0.386018	0.598511	AT3G46160	protein kinase-related protein
13453719	2.39	3.16	-1.7	0.336505	0.576994		
13434767	2.39	3.17	-1.73	0.230033	0.527363	AT3G30520	hypothetical protein
13436358	2.39	3.22	-1.77	0.073725	0.410046	AT3G47295	Tyrosine-sulfated glycopeptide 2
13467130	2.39	3.25	-1.81	0.26628	0.546291	AT4G10520	Subtilase family protein
13483515	2.39	3.25	-1.81	0.053329	0.383838	AT4G12170	thioredoxin family protein
13451163	2.39	3.27	-1.84	0.443717	0.631675	DNF	putative RING-H2 finger protein ATL62
13455421	2.39	3.28	-1.85	0.291899	0.559371	AT3G32036	hypothetical protein
13382988	2.39	3.31	-1.89	0.099695	0.434356	AT1G64020	Serine protease inhibitor (SERPIN) family protein
13507122	2.39	3.33	-1.91	0.308353	0.566321	AT5G34830	hypothetical protein
13523873	2.39	3.32	-1.91	0.535925	0.689705	AT5G09500	40S ribosomal protein S15-3
13445422	2.39	3.38	-1.98	0.266184	0.546291	AT3G06220	AP2/B3 domain-containing protein
13397791	2.39	3.4	-2.01	0.444215	0.63204	AT2G27240	Aluminium activated malate transporter family protein
13488642	2.39	3.41	-2.03	0.339827	0.578023	AT4G23580	F-box/kelch-repeat protein
13415154	2.39	3.47	-2.1	0.001986	0.253459	AT2G30830; AT2G30820	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase-like protein; hypothetical protein
13412354	2.39	3.53	-2.21	0.288253	0.557599	AT2G24370	adenine nucleotide alpha hydrolase domain-containing protein kinase
13483631	2.39	3.55	-2.23	0.046842	0.377465	AT4G12520; AT4G12510	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13469206	2.39	3.55	-2.24	0.358716	0.585867	AT4G15715	Proteinase inhibitor I25, cystatin, conserved region
13414431	2.39	3.56	-2.25	0.30139	0.563858	CYP707A2	abscisic acid 8'-hydroxylase 2
13373454	2.39	3.72	-2.52	0.001274	0.242634	ARAB-1	GDSL esterase/lipase
13483215	2.39	3.8	-2.65	0.52823	0.68517	AT4G11540	cysteine/histidine-rich C1 domain-containing protein
13537601	2.39	3.93	-2.9	0.304677	0.565001	AT5G49860	jacalin lectin family protein
13431608	2.39	3.95	-2.93	0.31432	0.568148	AT3G21940	putative cysteine-rich repeat secretory protein 22
13405215	2.39	3.95	-2.95	0.050716	0.381425	SPX3	SPX domain-containing protein 3
13348189	2.39	4.28	-3.72	0.421125	0.617806	PUM17	protein pumilio 17
13480313	2.39	4.33	-3.83	0.281826	0.555062	AT4G00872	plant invertase/pectin methylesterase inhibitor domain-containing protein
13520662	2.39	4.33	-3.86	0.464058	0.643501	AT5G01050	laccase-9
13336795	2.39	4.66	-4.83	0.002995	0.253459	AT1G06923; AT1G06925	hypothetical protein
13455403	2.39	4.75	-5.12	0.269213	0.547758	AT3G31430	hypothetical protein
13545523	2.38	1.75	1.54	0.304288	0.564806		
13411968	2.38	2.11	1.2	0.231555	0.528183	AT2G23400	cis-prenyltransferase, dehydrodolichyl diphosphate synthase

13506918	2.38	2.11	1.2	0.326954	0.574063	AT5G28630	glycine-rich protein
13384861	2.38	2.21	1.13	0.602221	0.733791	AT1G68270	AMP-dependent synthetase and ligase-like protein
13372866	2.38	2.22	1.12	0.545186	0.695889	AT1G27213	hypothetical protein
13338857	2.38	2.28	1.08	0.727558	0.821319	NTL	nuclear transport factor 2-like protein
13419778	2.38	2.29	1.06	0.819575	0.884531	AT2G41342	hypothetical protein
13527968	2.38	2.3	1.06	0.533065	0.687944	AT5G18600	monothiol glutaredoxin-S2
13385065	2.38	2.34	1.03	0.646889	0.765031	AT1G68780	leucine-rich repeats-ribonuclease inhibitor domain-containing protein
13353906	2.38	2.42	-1.03	0.658584	0.773866	SCRL5	defensin-like protein 246
13363222	2.38	2.42	-1.03	0.791835	0.865408	AT1G04500	CCT motif-containing protein
13484856	2.38	2.42	-1.03	0.919153	0.9512	AT4G15050	hypothetical protein
13443609	2.38	2.43	-1.04	0.919635	0.951389	02-Sep	developmental protein SEPALLATA 2
13496772	2.38	2.45	-1.05	0.491354	0.659269	CYP96A13	cytochrome P450, family 96, subfamily A, polypeptide 13
13432818	2.38	2.48	-1.07	0.662604	0.77613	AT3G24640	lyase
13541583	2.38	2.48	-1.07	0.737493	0.828021	AT5G60080	protein kinase family protein
13407843	2.38	2.51	-1.09	0.702284	0.803916	AT2G04750	actin binding calponin homology domain-containing protein
13420815	2.38	2.5	-1.09	0.083987	0.417946	AT2G43450	hypothetical protein
13372013	2.38	2.54	-1.11	0.59306	0.728686	AT1G24220	paired amphipathic helix repeat-containing protein
13347474	2.38	2.53	-1.12	0.391319	0.600721	AT1G33500	hypothetical protein
13357076	2.38	2.54	-1.12	0.74244	0.830899	AT1G69570	Dof zinc finger protein DOF1.10
13485140	2.38	2.57	-1.14	0.433265	0.625225	TS1	terpene synthase 1
13370907	2.38	2.58	-1.15	0.554982	0.702964	AT1G21540	putative AMP-binding protein
13447440	2.38	2.58	-1.15	0.427394	0.621602	AT3G10585	myb family transcription factor / I-box binding factor-related protein
13408177	2.38	2.61	-1.17	0.012446	0.301412	AT2G06960	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase-like protein
13344227	2.38	2.63	-1.19	0.002969	0.253459	BCP1	homolog of Brassica campestris pollen protein 1
13344423	2.38	2.64	-1.19	0.221212	0.522423	AT1G25270	putative MtN21 nodulin protein
13480785	2.38	2.68	-1.23	0.223673	0.524399	STS	stachyose synthase
13514837	2.38	2.69	-1.24	0.541013	0.692945	AT5G54210	haloacid dehalogenase-like hydrolase domain-containing protein
13489232	2.38	2.71	-1.26	0.590597	0.727154	AT4G24980	nodulin MtN21 /EamA-like transporter family protein
13402076	2.38	2.72	-1.27	0.436801	0.627744	AT2G37770	NAD(P)-linked oxidoreductase-like protein
13416481	2.38	2.72	-1.27	0.372776	0.592208	PUP2	purine permease 2
13474792	2.38	2.77	-1.31	0.488306	0.657306	AT4G28670	putative cysteine-rich receptor-like protein kinase 43
13507140	2.38	2.77	-1.31	0.235562	0.53008	AT5G34883	hypothetical protein
13408502	2.38	2.77	-1.32	0.275119	0.550583	AT2G10970	plant invertase/pectin methylesterase inhibitor domain-containing protein
13415936	2.38	2.78	-1.32	0.496797	0.663178	AT2G32640	Lycopene beta/epsilon cyclase protein
13498823	2.38	2.81	-1.34	0.087505	0.423422	KUOX1	KAR-UP oxidoreductase 1
13492052	2.38	2.82	-1.36	0.048206	0.37767	AT4G31630	putative B3 domain-containing protein REM4
13515816	2.38	2.85	-1.38	0.199929	0.509273	AT5G56570	F-box/FBD/LRR-repeat protein

13376532	2.38	2.96	-1.49	0.099612	0.434356	AGL97	agamous-like MADS-box protein AGL97
13489677	2.38	2.97	-1.51	0.289335	0.557997	VATG3	V-type proton ATPase subunit G3
13359276	2.38	3.07	-1.61	0.387662	0.598939	ORA47	ethylene-responsive transcription factor ERF018
13436487	2.38	3.07	-1.61	0.445868	0.633475	AT3G47580; AT3G47590	leucine-rich repeat protein kinase-like protein; alpha/beta-hydrolase domain-containing protein
13405925	2.38	3.1	-1.65	0.232288	0.528375	KCS13	3-ketoacyl-CoA synthase 13
13543666	2.38	3.13	-1.67	0.288967	0.557782	SDH2-3	succinate dehydrogenase [ubiquinone] iron-sulfur subunit 3
13378490	2.38	3.27	-1.86	0.01373	0.309482	MBP2	myrosinase-binding protein 2
13380175	2.38	3.27	-1.86	0.021912	0.326209	AT1G56040	HEAT/U-box domain-containing protein
13384939	2.38	3.33	-1.94	0.179046	0.494636	JAG	zinc finger-related protein
13469386	2.38	3.33	-1.94	0.059131	0.394712	AT4G16090	hypothetical protein
13343092	2.38	3.51	-2.2	0.10724	0.4394	AT1G21722	hypothetical protein
13391402	2.38	3.59	-2.31	0.021964	0.326278	AT2G03933	defensin-like protein 59
13486124	2.38	3.67	-2.45	0.261034	0.543062	AT4G17565	putative F-box protein
13449495	2.38	3.71	-2.52	0.404306	0.608575	AT3G14520	terpene cyclase, C1 domain-containing protein
13515918	2.38	3.72	-2.53	0.382273	0.597016	AT5G56820	F-box, FBD and leucine rich repeat domain-containing protein
13450287	2.38	3.8	-2.67	0.411009	0.612301	AT3G16712	hypothetical protein
13525936	2.38	3.81	-2.69	0.142244	0.468458	AT5G14110	hypothetical protein
13388326	2.38	3.83	-2.74	0.373327	0.592428	AT1G76954	putative defensin-like protein 280
13386112	2.38	3.84	-2.75	0.390436	0.600248	AT1G71691	GDSL esterase/lipase
13430702	2.38	3.86	-2.78	0.005478	0.277119	AT3G19800	hypothetical protein
13431933	2.38	4.1	-3.29	0.356176	0.584705	AT3G22723	hypothetical protein
13507007	2.38	4.6	-4.64	0.170131	0.48812	AT5G29044	hypothetical protein
13483254	2.38	4.75	-5.19	0.398641	0.605002	RALFL29	RALF-like 29 protein
13426320	2.37	1.87	1.41	0.109429	0.440715	AT3G10116	COBRA-like extracellular glycosyl-phosphatidyl inositol-anchored family protein
13366733	2.37	2.11	1.2	0.617792	0.745299	AT1G11510	DNA-binding storekeeper protein-related transcriptional regulator
13349331	2.37	2.13	1.18	0.630207	0.753974	AT1G47680	hypothetical protein
13384381	2.37	2.22	1.11	0.841787	0.900344	AT1G67270	Zinc-finger domain of monoamine-oxidase A repressor R1 protein
13463497	2.37	2.27	1.07	0.734378	0.826059	AT3G62930	monothiol glutaredoxin-S6
13478374	2.37	2.27	1.07	0.787821	0.862504	AT4G36268	hypothetical protein
13451969	2.37	2.28	1.06	0.752523	0.837918	AGP40	arabinogalactan protein 40
13486506	2.37	2.3	1.05	0.840349	0.899445	AT4G18422	hypothetical protein
13413457	2.37	2.31	1.04	0.716006	0.813483	AGL41	protein agamous-like 41
13484250	2.37	2.34	1.03	0.903775	0.941181	AT4G13965	leucine-rich repeat and FBD domain-containing protein
13403112	2.37	2.4	-1.02	0.493582	0.660768	AT2G40116	phosphoinositide phospholipase C 6
13433069	2.37	2.39	-1.02	0.939057	0.963392	scpl21	serine carboxypeptidase-like 21
13399131	2.37	2.41	-1.03	0.742151	0.830722	AT2G30940	protein kinase-like protein
13517446	2.37	2.42	-1.04	0.821228	0.885613	AT5G60380	hypothetical protein
13356084	2.37	2.46	-1.06	0.148686	0.471967	HAC2	E1A/CREB-binding protein
13458402	2.37	2.49	-1.08	0.773459	0.852266	AT3G50720	putative protein kinase
13474469	2.37	2.48	-1.09	0.555514	0.703082	PYL10	abscisic acid receptor PYL10

13367105	2.37	2.52	-1.11	0.141676	0.467992	AT1G12600	UDP-N-acetylglucosamine transporter-like protein
13417123	2.37	2.51	-1.11	0.402277	0.607024	AT2G35130	pentatricopeptide repeat-containing protein
13477849	2.37	2.52	-1.11	0.57648	0.717038	AT4G35210	hypothetical protein
13443204	2.37	2.55	-1.13	0.536264	0.689889	AT3G01324	ECA1-like gametogenesis related family protein
13539688	2.37	2.54	-1.13	0.65041	0.767702	AT5G55350	putative long-chain-alcohol O-fatty-acyltransferase 4
13455763	2.37	2.57	-1.15	0.713405	0.811418	AT3G43340	Pseudouridine synthase family protein
13463658	2.37	2.57	-1.15	0.386403	0.598595	AT3G63320	putative protein phosphatase 2C 50
13359247	2.37	2.61	-1.18	0.486024	0.655656	BOR5	putative boron transporter 5
13456120	2.37	2.61	-1.18	0.518921	0.678018	AT3G44710	hypothetical protein
13373761	2.37	2.62	-1.19	0.335523	0.576654	AT1G29720	Leucine-rich repeat transmembrane protein kinase
13397965	2.37	2.63	-1.2	0.201473	0.510189	AGO5	Argonaute family protein
13452596	2.37	2.64	-1.2	0.620945	0.747482	AT3G22421	F-box and associated interaction domain-containing protein
13467637	2.37	2.64	-1.21	0.268787	0.547516	AT4G11890	protein kinase family protein
13461802	2.37	2.65	-1.22	0.355329	0.584538	AT3G58877	hypothetical protein
13390835	2.37	2.67	-1.23	0.415202	0.614362	NAC035	NAC domain containing protein 35
13432860	2.37	2.67	-1.23	0.615261	0.743657	AT3G24750	hypothetical protein
13422327	2.37	2.69	-1.24	0.306512	0.565397	AT2G47115; UBQ6	hypothetical protein; ubiquitin-40S ribosomal protein S27a-2
13485271	2.37	2.68	-1.25	0.031036	0.351113	AT4G16162	Leucine-rich repeat (LRR) family protein
13359017	2.37	2.7	-1.25	0.26327	0.544276	AT1G74140	Rhomboid-related intramembrane serine protease family protein
13351822	2.37	2.78	-1.33	0.209295	0.514693	AT1G53820	RING-H2 finger protein ATL60
13465501	2.37	2.79	-1.34	0.034406	0.355201	AT4G04078	hypothetical protein
13414649	2.37	2.79	-1.34	0.16898	0.487519	AT2G29790	maternally expressed family protein
13505208	2.37	2.8	-1.35	0.204108	0.511039	AT5G24190	lipase class 3-related protein
13455388	2.37	2.91	-1.45	0.091301	0.428447	AT3G30845	hypothetical protein
13402302	2.37	2.96	-1.51	0.270447	0.548501		
13366438	2.37	2.99	-1.54	0.279627	0.553836	AT1G10880	Core-2/I-branching beta-1,6-N-acetylglucosaminyltransferase family protein
13349206	2.37	3	-1.55	0.156288	0.479002	AT1G47485	hypothetical protein
13441206	2.37	3.03	-1.58	0.127593	0.45753	AT3G59190	F-box/LRR-repeat protein
13359880	2.37	3.04	-1.59	0.202387	0.510403	AT1G76620	hypothetical protein
13416565	2.37	3.05	-1.6	0.485042	0.654833	ArRABA1h	RAB GTPaselike protein A1H
13456397	2.37	3.07	-1.63	0.013605	0.30942	AT3G45510	RING/U-box protein
13378583	2.37	3.08	-1.63	0.070825	0.40759	AT1G52180	aquaporin-like protein
13393175	2.37	3.08	-1.63	0.45585	0.638899	AT2G15470	polygalacturonase-like protein
13448861	2.37	3.14	-1.71	0.340146	0.578077	AT3G13280	Putative endonuclease or glycosyl hydrolase
13506681	2.37	3.15	-1.72	0.227869	0.525957	AT5G27800	ATP binding / aminoacyl-tRNA ligase/ nucleotide binding protein
13448142	2.37	3.16	-1.73	0.3808	0.596106	AT3G12000	putative S-locus related protein SLR1
13369832	2.37	3.2	-1.78	0.376288	0.593207	AT1G18780	RING/U-box domain-containing protein
13394322	2.37	3.23	-1.82	0.033931	0.354092	XTH21	xyloglucan:xyloglucosyl transferase
13344205	2.37	3.26	-1.85	0.314516	0.568148	AT1G24485	hypothetical protein
13371133	2.37	3.27	-1.88	0.32996	0.575334	AT1G22110	structural constituent of ribosome
13398054	2.37	3.28	-1.88	0.143171	0.469019	AT2G28105	hypothetical protein

13403178	2.37	3.32	-1.94	0.043788	0.373007	AT2G40250	GDSL esterase/lipase
13354869	2.37	3.36	-1.99	0.008224	0.292482	ROH1	protein ROH1
13455961	2.37	3.44	-2.1	0.23474	0.529692	AT3G44261	hypothetical protein
13513584	2.37	3.47	-2.14	0.22356	0.524399	SKS2	Monocopper oxidase-like protein SKS2
13510948	2.37	3.5	-2.19	0.263647	0.544692	AT5G45570	Ulp1 protease family protein
13521793	2.37	3.59	-2.33	0.373192	0.592428	AT5G04010	F-box protein
13381274	2.37	3.62	-2.37	0.357148	0.584844	AT1G60250	B-box zinc finger-containing protein
13514983	2.37	3.69	-2.5	0.327996	0.574416	AT5G54560	hypothetical protein
13501759	2.37	3.86	-2.81	0.251443	0.538473	AT5G15240	Transmembrane amino acid transporter family protein
13517667	2.37	3.89	-2.87	0.101056	0.434702	NRT2.3	nitrate transporter 2.3
13429218	2.37	3.92	-2.93	0.482857	0.653604	AT3G16670	Pollen Ole e 1 allergen and extensin family protein
13539214	2.37	3.92	-2.94	0.089031	0.425862	UF3GT	UDP-glucose:flavonoid 3-o-glucosyltransferase
13508672	2.37	3.95	-2.99	0.320824	0.570934	CRK42; AT5G40382	cysteine-rich receptor-like protein kinase 42; putative cytochrome c oxidase subunit 5C-4
13466762	2.37	4.08	-3.27	0.276572	0.551312	AT4G09587	hypothetical protein
13509866	2.37	4.74	-5.14	0.205424	0.51233	AT5G42895	ECA1 gametogenesis related family protein
13453511	2.37	5.26	-7.41	0.31116	0.566973	AT3G25011	hypothetical protein
13456391	2.36	2.04	1.25	0.04274	0.369817	AT3G45500	hypothetical protein
13401579	2.36	2.11	1.19	0.016848	0.317232	AT2G36500	CBS / octicosapeptide/Phox/Bemp1 domain-containing protein
13507318	2.36	2.15	1.16	0.642706	0.761789	AT5G35525	PLAC8 family protein
13482846	2.36	2.26	1.07	0.843159	0.901142	SCRL1	putative defensin-like protein 225
13532230	2.36	2.29	1.05	0.850188	0.905703	AT5G35470	hypothetical protein
13534227	2.36	2.35	1.01	0.969549	0.982154	AT5G41450	RING/U-box domain-containing protein
13396165	2.36	2.37	-1.01	0.945279	0.967175	SNG1	sinapoylglucose-malate O-sinapoyltransferase
13460303	2.36	2.41	-1.03	0.548725	0.698598	AT3G55110	ABC transporter G family member 18
13398019	2.36	2.42	-1.04	0.717537	0.814396	AT2G27940	RING-H2 finger protein ATL57
13427746	2.36	2.42	-1.04	0.465041	0.644046	AT3G13660	disease resistance-responsive, dirigent domain-containing protein
13370390	2.36	2.44	-1.05	0.771459	0.851113	AT1G20290; AT1G20300	SWI-SNF-related chromatin binding protein; pentatricopeptide repeat-containing protein
13391522	2.36	2.43	-1.05	0.79225	0.865663	AT2G04300	putative leucine-rich repeat protein kinase
13338346	2.36	2.46	-1.07	0.829405	0.891605	AT1G10455	B3 domain-containing protein
13345612	2.36	2.47	-1.08	0.789659	0.863875	AGL59	protein agamous-like 59
13408156	2.36	2.5	-1.11	0.441311	0.630118	AT2G06570	hypothetical protein
13507798	2.36	2.52	-1.12	0.456858	0.639146	AT5G37560	RING/U-box domain-containing protein
13443121	2.36	2.54	-1.13	0.78399	0.85957	AT3G01240	hypothetical protein
13447593	2.36	2.55	-1.14	0.264739	0.545611	AT3G10840	alpha/beta-hydrolase domain-containing protein
13349593	2.36	2.57	-1.15	0.32974	0.575114	GLN1;5	glutamine synthetase cytosolic isozyme 1-5
13480091	2.36	2.56	-1.15	0.414467	0.614187	MYB3R2	myb domain protein 3r2
13499171	2.36	2.56	-1.15	0.311342	0.566973	AT5G08330	transcription factor TCP21
13523913	2.36	2.58	-1.17	0.008274	0.292829	PMDH2	malate dehydrogenase
13514612	2.36	2.59	-1.17	0.345995	0.58045	AT5G53670	hypothetical protein
13363896	2.36	2.6	-1.18	0.288511	0.557599	AT1G05577	hypothetical protein

13456777	2.36	2.62	-1.2	0.31631	0.568464	AT3G46470	RNA-binding (RRM/RBD/RNP motifs) family protein
13456593	2.36	2.64	-1.21	0.039988	0.365591	HTB9	histone H2B
13404439	2.36	2.63	-1.21	0.371294	0.591914	AT2G43220	cysteine/histidine-rich C1 domain-containing protein
13520263	2.36	2.64	-1.22	0.262331	0.543595	AT5G66710	protein kinase family protein
13541616	2.36	2.66	-1.23	0.250715	0.537906	AT5G60140	AP2/B3 domain-containing protein
13538347	2.36	2.67	-1.24	0.525695	0.683091	AT5G51580	hypothetical protein
13403722	2.36	2.7	-1.26	0.577476	0.717699	AT2G41390	Pollen Ole e 1 allergen and extensin family protein
13509758	2.36	2.69	-1.26	0.563752	0.708464	AT5G42680	hypothetical protein
13392060	2.36	2.72	-1.28	0.188196	0.502446	GRF6	growth-regulating factor 6
13513906	2.36	2.71	-1.28	0.398282	0.604949	AT5G52250	transducin/WD40 domain-containing protein
13393630	2.36	2.74	-1.3	0.291214	0.559055	AT2G17160	Interleukin-1 receptor-associated kinase 4 protein
13466889	2.36	2.73	-1.3	0.259278	0.542084	AT4G09920	FBD, F-box and leucine rich repeat domain-containing protein
13536385	2.36	2.76	-1.32	0.122357	0.452662	AT5G46960	plant invertase/pectin methylesterase inhibitor domain-containing protein
13440428	2.36	2.78	-1.33	0.31271	0.567735	BOP1	ankyrin repeat and BTB/POZ domain-containing protein
13488514	2.36	2.77	-1.33	0.227028	0.52549	AT4G23370	hypothetical protein
13540069	2.36	2.77	-1.33	0.492903	0.660323	AT5G56440	FBD-associated F-box protein
13455543	2.36	2.78	-1.34	0.380127	0.595571	AT3G42140	zinc ion binding / nucleic acid binding protein
13510671	2.36	2.8	-1.35	0.273142	0.54985	AT5G44950	putative F-box/FBD/LRR-repeat protein
13404302	2.36	2.81	-1.36	0.451106	0.635828	AT2G42990	GDSL esterase/lipase
13461483	2.36	2.8	-1.36	0.163088	0.484829	AT3G58210	TRAF-like family protein
13540176	2.36	2.83	-1.39	0.347403	0.58045	AT5G56770	hypothetical protein
13503334	2.36	2.88	-1.44	0.030436	0.350098	AT5G19170	hypothetical protein
13343817	2.36	2.91	-1.47	0.065053	0.401596	INO	axial regulator YABBY 4
13465408	2.36	2.92	-1.47	0.409917	0.611357	AT4G03580	hypothetical protein
13491487	2.36	2.92	-1.47	0.116312	0.446833	AT4G30250	AAA domain-containing protein
13506130	2.36	2.93	-1.49	0.192411	0.505422	AT5G26810	putative pectinesterase 52
13434667	2.36	3.01	-1.57	0.237865	0.531954	AT3G29796	hypothetical protein
13543856	2.36	3.04	-1.6	0.293373	0.559559	AT5G65590	Dof zinc finger protein DOF5.7
13477708	2.36	3.05	-1.61	0.287943	0.557493	LAP5	Chalcone and stilbene synthase family protein
13505366	2.36	3.05	-1.61	0.405589	0.609101	PP2-B12	putative F-box protein PP2-B12
13543058	2.36	3.08	-1.64	0.035152	0.355472	AT5G63740	zinc finger-related protein
13388333	2.36	3.13	-1.71	0.145392	0.470097	AT1G76960	hypothetical protein
13372111	2.36	3.22	-1.81	0.258218	0.541251	AT1G24388	hypothetical protein
13408160	2.36	3.22	-1.81	0.177403	0.49345	AT2G06645	hypothetical protein
13506713	2.36	3.23	-1.83	0.27643	0.551293	AT5G27880	C2H2 and C2HC zinc finger-containing protein
13429980	2.36	3.4	-2.06	0.305633	0.565001	AT3G18180	Glycosyltransferase family 61 protein
13431631	2.36	3.44	-2.11	0.461248	0.642085	AT3G21980	putative cysteine-rich repeat secretory protein 27
13535005	2.36	3.62	-2.4	0.204099	0.511039	BHLH92	transcription factor bHLH92
13485148	2.36	3.8	-2.73	0.367698	0.59081	AT4G15885	kinesin motor protein-like protein

13413613	2.36	3.85	-2.81	0.356475	0.584728	RR13	putative two-component response regulator ARR13
13529689	2.36	3.91	-2.93	0.040957	0.366381	AT5G22890	C2H2 and C2HC zinc finger-containing protein
13356611	2.36	3.97	-3.05	0.175142	0.492147	AT1G68500	hypothetical protein
13444538	2.36	3.99	-3.09	0.188084	0.502321	NAC049	NAC domain containing protein 49
13376217	2.36	4.02	-3.16	0.334133	0.576298	AT1G44030	Cysteine/Histidine-rich C1 domain family protein
13463057	2.36	4.56	-4.61	0.385431	0.598184	AT3G61962	Putative membrane lipoprotein
13400962	2.36	4.66	-4.93	0.227404	0.525653	AT2G35208	hypothetical protein
13371269	2.36	4.73	-5.16	0.414745	0.614208	AT1G22420	hydroxyproline-rich glycoprotein family protein
13484752	2.36	4.85	-5.61	0.314172	0.568085	AT4G14805	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13457543	2.36	4.95	-6.01	0.000038	0.14124	CXE12	alpha/beta-hydrolase domain-containing protein
13455338	2.35	2.25	1.07	0.622325	0.748258	AT3G30540	putative mannan endo-1,4-beta-mannosidase P
13392052	2.35	2.26	1.06	0.696731	0.8003	AT2G06095	hypothetical protein
13411512	2.35	2.31	1.03	0.708259	0.808086	AT2G21930	F-box protein
13367396	2.35	2.32	1.02	0.556187	0.703492	AT1G13310	Endosomal targeting BRO1-like domain-containing protein
13455767	2.35	2.32	1.02	0.961998	0.977663	AT3G43402	hypothetical protein
13491338	2.35	2.31	1.02	0.83591	0.896363	AT4G29970	putative F-box protein
13392966	2.35	2.36	-1.01	0.94643	0.967933	AT2G14692	hypothetical protein
13405999	2.35	2.39	-1.03	0.653286	0.769984	NGA1	B3 domain-containing transcription factor NGA1
13424810	2.35	2.42	-1.05	0.560266	0.706213	AT3G05746	hypothetical protein
13343298	2.35	2.43	-1.06	0.712753	0.810819	AT1G22210	haloacid dehalogenase-like hydrolase
13416710	2.35	2.43	-1.06	0.772346	0.851598	AT2G34280	F-box protein
13467492	2.35	2.46	-1.07	0.569273	0.711939	CRK33	putative cysteine-rich receptor-like protein kinase 33
13414035	2.35	2.46	-1.08	0.823127	0.886857	AT2G28040	aspartyl protease-like protein
13434419	2.35	2.47	-1.09	0.806265	0.875688	AT3G28770	hypothetical protein
13431348	2.35	2.48	-1.1	0.105757	0.437428	AT3G21130	putative F-box protein
13441811	2.35	2.49	-1.1	0.328693	0.574572	AT3G60560	hypothetical protein
13420577	2.35	2.52	-1.12	0.128708	0.458836	SHP2	agamous-like MADS-box protein AGL5
13502096	2.35	2.51	-1.12	0.412152	0.613213	GEX3	gamete-expressed 3
13351615	2.35	2.54	-1.14	0.208962	0.51438	AT1G53370	F-box protein
13455944	2.35	2.53	-1.14	0.372131	0.591916	AT3G44171	hypothetical protein
13353897	2.35	2.54	-1.15	0.642709	0.761789	SCRL6	defensin-like protein 247
13501503	2.35	2.56	-1.16	0.60607	0.736692	AT5G14602	hypothetical protein
13481488	2.35	2.58	-1.17	0.25139	0.53846	AT4G03570	cystatin-related domain-containing protein
13512696	2.35	2.58	-1.18	0.634268	0.756743	AT5G49600	hypothetical protein
13392082	2.35	2.61	-1.2	0.698756	0.801741		
13389080	2.35	2.64	-1.22	0.524155	0.681842	AT1G78760	putative F-box/FBD/LRR-repeat protein
13491183	2.35	2.63	-1.22	0.366613	0.590194	AT4G29710	Alkaline-phosphatase-like family protein
13453760	2.35	2.65	-1.23	0.481055	0.652645	AT3G25850	Cysteine/Histidine-rich C1 domain family protein
13349929	2.35	2.66	-1.24	0.456516	0.639006	AT1G49330	hydroxyproline-rich glycoprotein

13390879	2.35	2.7	-1.28	0.419292	0.616842	AT2G02550	PIN domain-containing protein
13484944	2.35	2.71	-1.28	0.25802	0.541251	AT4G15250	putative zinc finger protein CONSTANS-LIKE 11
13487361	2.35	2.71	-1.28	0.408175	0.610585	MS5	tetratricopeptide repeat-containing protein
13365934	2.35	2.72	-1.29	0.603182	0.73443	AT1G09935	phosphoglycerate mutase-like protein
13507730	2.35	2.72	-1.29	0.501689	0.666223	AT5G37320	hypothetical protein
13532342	2.35	2.72	-1.29	0.606246	0.736757	AT5G35688	hypothetical protein
13532418	2.35	2.75	-1.32	0.205655	0.512532	AT5G35810	Ankyrin repeat family protein
13428250	2.35	2.76	-1.33	0.373045	0.592342	AT3G14710	RNI-like protein
13437338	2.35	2.78	-1.35	0.129084	0.459248	AT3G49150	FBD and preprotein translocase YidC domain-containing protein
13507960	2.35	2.8	-1.36	0.124107	0.453788	AT5G38160	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13539853	2.35	2.79	-1.36	0.29838	0.562461	AT5G55750	hydroxyproline-rich glycoprotein family protein
13474170	2.35	2.94	-1.5	0.240696	0.53343	AT4G27240	C2H2 type zinc finger protein
13374336	2.35	2.95	-1.52	0.110169	0.441206	AT1G31000	F-box and associated interaction domain-containing protein
13463963	2.35	2.99	-1.55	0.502012	0.666492	MBD3	methyl-CPG-binding domain 3 protein
13480623	2.35	3	-1.56	0.042587	0.369544	AT4G01671	hypothetical protein
13479318	2.35	2.99	-1.56	0.175781	0.492347	AT4G38860	SAUR-like auxin-responsive protein
13470307	2.35	3.19	-1.79	0.314414	0.568148	AT4G18310	hypothetical protein
13336119	2.35	3.2	-1.8	0.301394	0.563858	AT1G05540	hypothetical protein
13338845	2.35	3.19	-1.8	0.057913	0.39275	AT1G11520	spliceosome-associated protein-like protein
13371150	2.35	3.2	-1.8	0.190727	0.50408	AGL104	protein AGAMOUS-like 104
13471556	2.35	3.21	-1.81	0.096705	0.43273	AT4G21240	putative F-box protein
13468605	2.35	3.22	-1.82	0.139489	0.466238	AT4G14695	hypothetical protein
13409021	2.35	3.24	-1.85	0.061032	0.397555	FUT10	xyloglucan fucosyltransferase
13512947	2.35	3.25	-1.86	0.324051	0.572935	AT5G50070	plant invertase/pectin methylesterase inhibitor domain-containing protein
13484846	2.35	3.29	-1.91	0.277386	0.552045	AT4G15040	Subtilisin-like serine endopeptidase family protein
13404843	2.35	3.32	-1.96	0.109259	0.440715	AT2G44330	C3HC4-type RING finger-containing protein
13408845	2.35	3.4	-2.08	0.30966	0.566863	AT2G14290	F-box protein
13497133	2.35	3.59	-2.36	0.189995	0.503729	PTL	trihelix DNA binding transcription factor
13465713	2.35	3.79	-2.7	0.327926	0.574416	AT4G04680	hypothetical protein
13540856	2.35	3.84	-2.81	0.32298	0.572156	MES18; AT5G58300	methyl esterase 18; putative inactive receptor kinase
13491098	2.35	3.88	-2.87	0.070425	0.406903	AT4G29450	leucine-rich repeat protein kinase-like protein
13335592	2.35	4.32	-3.94	0.314466	0.568148	AT1G04090	hypothetical protein
13456226	2.35	5.04	-6.47	0.07393	0.410257	AT3G45080	sulfotransferase family protein
13372636	2.34	1.83	1.43	0.03207	0.352673	AT1G26420	FAD-binding and BBE domain-containing protein
13507012	2.34	1.95	1.31	0.226785	0.525438	AT5G29613	hypothetical protein
13357788	2.34	2.05	1.22	0.185727	0.500307	AT1G71235	hypothetical protein
13507136	2.34	2.06	1.22	0.441203	0.630118	AT5G34882	hypothetical protein
13344723	2.34	2.08	1.2	0.142101	0.468311	AT1G26610	C2H2-like zinc finger protein
13499976	2.34	2.11	1.17	0.081018	0.41589	AT5G10570	transcription factor bHLH61

13466583	2.34	2.12	1.16	0.648856	0.766469	AT4G09070	TATA-binding related factor (TRF) of subunit 20 of Mediator complex
13411921	2.34	2.19	1.11	0.553893	0.702205	AT2G23240	Plant EC metallothionein-like protein, family 15
13355377	2.34	2.23	1.08	0.711437	0.810062	AT1G65170	ubiquitin carboxyl-terminal hydrolase-like protein
13467662	2.34	2.25	1.07	0.673121	0.783348	AT4G11940	hypothetical protein
13402985	2.34	2.29	1.03	0.889286	0.932172		
13479642	2.34	2.3	1.03	0.852742	0.907342	GGT2	gamma-glutamyl transpeptidase 2
13522816	2.34	2.31	1.02	0.082405	0.417768	WCRKC1	thioredoxin-like 3-1
13514952	2.34	2.33	1.01	0.082471	0.417792	AT5G54480	hypothetical protein
13509913	2.34	2.39	-1.03	0.821909	0.886001	PUM13	pumilio 13
13540628	2.34	2.39	-1.03	0.836691	0.89684	DGK4	diacylglycerol kinase 4
13453373	2.34	2.4	-1.04	0.908586	0.94435	AT3G24517	hypothetical protein
13420171	2.34	2.41	-1.05	0.792879	0.866044	AT2G42000	EC protein-1
13397111	2.34	2.42	-1.06	0.744102	0.831908	AT2G25697	hypothetical protein
13355369	2.34	2.44	-1.07	0.674898	0.784547	AT1G65160	Ubiquitin carboxyl-terminal hydrolase family protein
13510554	2.34	2.44	-1.07	0.527065	0.684187	AT5G44630	alpha-barbatene synthase
13356529	2.34	2.52	-1.13	0.496948	0.663255	AT1G68190	putative zinc finger protein
13455362	2.34	2.53	-1.14	0.597734	0.731118	AT3G30805	ATP binding / aminoacyl-tRNA ligase/ lysine-tRNA ligase/ nucleotide binding protein
13434986	2.34	2.53	-1.15	0.223515	0.524399	AT3G42728	hypothetical protein
13379651	2.34	2.57	-1.17	0.722162	0.817617	AT1G54775	Plant thionin family protein
13398378	2.34	2.57	-1.17	0.471344	0.64746	AT2G28725	hypothetical protein
13519557	2.34	2.57	-1.17	0.372029	0.591916	MAF4	K-box region and MADS-box transcription factor family protein
13451987	2.34	2.59	-1.19	0.207776	0.513608	WIP4	WIP domain protein 4
13541974	2.34	2.62	-1.21	0.252305	0.538705	HDA18	histone deacetylase 18
13371002	2.34	2.65	-1.24	0.242626	0.53424	AT1G21738	hypothetical protein
13349859	2.34	2.67	-1.25	0.033331	0.354018	AT1G49150	hypothetical protein
13493668	2.34	2.68	-1.26	0.178987	0.494636	BGAL11	beta-galactosidase 11
13344708	2.34	2.69	-1.27	0.020201	0.322692	UGD1	UDP-glucose dehydrogenase 1
13498580	2.34	2.69	-1.28	0.158916	0.481364	AT5G06990	hypothetical protein
13436088	2.34	2.76	-1.34	0.172403	0.489773	AT3G46400	leucine-rich repeat protein kinase-like protein
13479847	2.34	2.76	-1.34	0.194036	0.505856	AT4G40100	putative GEM-like protein 3
13521364	2.34	2.78	-1.36	0.297084	0.562243	AT5G02890	HXXXD-type acyl-transferase-like protein
13383431	2.34	2.85	-1.43	0.215779	0.519641	AT1G65200	Ubiquitin carboxyl-terminal hydrolase-related protein
13410891	2.34	2.86	-1.43	0.464727	0.643914	AT2G20463	putative defensin-like protein 104
13433047	2.34	2.87	-1.44	0.332871	0.576298	AT3G25260	putative peptide/nitrate transporter
13467023	2.34	2.87	-1.45	0.153532	0.476477	AT4G10200	TTF-type zinc finger protein with HAT dimerization domain
13382825	2.34	2.93	-1.5	0.234373	0.529614	CYP86A7	cytochrome P450, family 86, subfamily A, polypeptide 7
13367847	2.34	2.96	-1.53	0.14357	0.469258	HB31	homeobox protein 31
13413165	2.34	3	-1.58	0.212104	0.517359	ER	LRR receptor-like serine/threonine-protein kinase ERECTA

13510440	2.34	3	-1.59	0.011371	0.297771	AT5G44470	hypothetical protein
13508103	2.34	3.02	-1.61	0.06969	0.406403	AT5G38520	alpha/beta-hydrolase-like protein
13512950	2.34	3.09	-1.68	0.20422	0.511177	ERF110	ethylene-responsive transcription factor ERF110
13460116	2.34	3.16	-1.77	0.390019	0.599985	AT3G54830	Transmembrane amino acid transporter family protein
13530354	2.34	3.22	-1.85	0.373868	0.592616	PGL5	6-phosphogluconolactonase 5
13494222	2.34	3.24	-1.86	0.137718	0.46568	AT4G36280	histidine kinase-like ATPase domain-containing protein
13370316	2.34	3.26	-1.9	0.297795	0.562453	AT1G20150	Subtilisin-like serine endopeptidase-like protein
13421397	2.34	3.32	-1.97	0.322098	0.571515	AT2G44930	hypothetical protein
13365796	2.34	3.42	-2.12	0.207266	0.513526	COBL6	COBRA-like protein 6
13491719	2.34	3.46	-2.16	0.178602	0.494539	AT4G30770	Putative membrane lipoprotein
13339921	2.34	3.47	-2.2	0.137127	0.46568	FUT9	fucosyltransferase 9
13335067	2.34	3.51	-2.24	0.190354	0.503959		
13421240	2.34	3.52	-2.26	0.429392	0.622788	GH9B9	endoglucanase 12
13407502	2.34	3.56	-2.33	0.01875	0.321499	AT2G03420; AT2G03410	hypothetical protein; MO25-like protein
13469830	2.34	3.64	-2.45	0.297858	0.562453	AT4G17200	putative F-box protein
13533162	2.34	3.63	-2.45	0.298845	0.562461	AT5G38090	hypothetical protein
13347889	2.34	3.72	-2.6	0.310625	0.566973	AT1G34500	putative long-chain-alcohol O-fatty-acyltransferase 9
13517533	2.34	3.88	-2.92	0.461782	0.642527	AT5G60560	F-box and associated interaction domain-containing protein
13392656	2.34	3.9	-2.95	0.134178	0.463251	AT2G13422	hypothetical protein
13489806	2.34	4.29	-3.85	0.322334	0.571578	AT4G26280	sulfotransferase family protein
13461900	2.34	4.58	-4.73	0.009977	0.296261	PIL6	transcription factor PIF5
13345414	2.33	2.17	1.11	0.344157	0.579383	AT1G28030	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase-like protein
13473661	2.33	2.18	1.11	0.595968	0.730375	AT4G26040	hypothetical protein
13488330	2.33	2.18	1.11	0.529666	0.686253	RBL7	RHOMBOID-like protein 7
13537126	2.33	2.18	1.11	0.728822	0.822261	AT5G48710	putative small ubiquitin-related modifier 4
13421671	2.33	2.2	1.1	0.634679	0.757043	CYP76C2	cytochrome P450 76C2
13426022	2.33	2.21	1.09	0.694504	0.798608		
13348428	2.33	2.23	1.07	0.779067	0.856168	AT1G41875	hypothetical protein
13438774	2.33	2.25	1.06	0.562327	0.707644	AT3G53080	D-galactoside/L-rhamnose binding SUEL lectin protein
13349333	2.33	2.27	1.04	0.71165	0.810208	AT1G47690; AT1G47700	hypothetical protein
13349335	2.33	2.27	1.04	0.71165	0.810208	AT1G47690; AT1G47700	hypothetical protein
13349182	2.33	2.28	1.03	0.915081	0.948704	AT1G47389	hypothetical protein
13511184	2.33	2.29	1.03	0.764936	0.846267		
13353862	2.33	2.31	1.02	0.953244	0.972294	RALFL7	RALF-like 7 protein
13381030	2.33	2.3	1.02	0.658194	0.773567	AT1G59535	hypothetical protein
13393249	2.33	2.3	1.02	0.747922	0.834713	AT2G15680; AT2G15690	calmodulin-like protein 1; pentatricopeptide repeat-containing protein
13358516	2.33	2.32	1.01	0.953425	0.972339	AT1G72960	Root hair defective 3 GTP-binding protein (RHD3)

13400168	2.33	2.32	1.01	0.881044	0.927171	AT2G33200	F-box protein
13335122	2.33	2.38	-1.03	0.248081	0.536387	AT1G03050	putative clathrin assembly protein
13404101	2.33	2.38	-1.03	0.801164	0.871869	ZFP11	zinc finger protein 11
13526087	2.33	2.37	-1.03	0.854438	0.908571	AT5G14470	GHMP kinase family protein
13483820	2.33	2.4	-1.05	0.675206	0.784709	XTH1	xyloglucan:xyloglucosyl transferase
13384849	2.33	2.41	-1.06	0.727881	0.821651	AT1G68250	hypothetical protein
13530020	2.33	2.41	-1.06	0.844783	0.902097	DUF9	hypothetical protein
13353297	2.33	2.42	-1.07	0.722056	0.81761	AT1G58460	hypothetical protein
13355827	2.33	2.43	-1.07	0.62478	0.749679	AT1G66540	putative cytochrome P450
13496815	2.33	2.44	-1.08	0.779672	0.856668	AT5G03020	F-box/kelch-repeat protein
13357830	2.33	2.49	-1.12	0.579079	0.719175	AT1G71300; AT1G71310	Vps52 / Sac2 family protein; cobalt ion binding protein
13461541	2.33	2.5	-1.12	0.354825	0.584465	AT3G58310	putative cysteine-rich repeat secretory protein 61
13434286	2.33	2.54	-1.16	0.51552	0.675675	AT3G28320	hypothetical protein
13542629	2.33	2.54	-1.16	0.142732	0.468771	AT5G62660	putative F-box protein
13355531	2.33	2.55	-1.17	0.307895	0.566025	AT1G65490	hypothetical protein
13383848	2.33	2.55	-1.17	0.565077	0.709524	CLE18	protein CLAVATA3/ESR-related 18
13350471	2.33	2.64	-1.24	0.330357	0.575605	AT1G50690	cystatin-related protein
13529491	2.33	2.65	-1.24	0.387383	0.598693	AT5G22670	F-box/FBD/LRR-repeat protein
13530010	2.33	2.66	-1.25	0.326048	0.573645	DUF8	hypothetical protein
13427735	2.33	2.67	-1.27	0.273419	0.549997	AT3G13630	hypothetical protein
13334922	2.33	2.68	-1.28	0.112137	0.443327	MEA	histone-lysine N-methyltransferase MEDEA
13540549	2.33	2.69	-1.28	0.448534	0.635002	AT5G57535	hypothetical protein
13347920	2.33	2.7	-1.29	0.202303	0.510403	HDG10	homeobox-leucine zipper protein HDG10
13419433	2.33	2.71	-1.31	0.275721	0.550852	AT2G40440	BTB/POZ domain-containing protein
13470460	2.33	2.72	-1.31	0.120772	0.45228	AT4G18596	pollen Ole e 1 allergen and extensin family protein
13353175	2.33	2.73	-1.32	0.620645	0.747415	AT1G58090	putative F-box protein
13374773	2.33	2.73	-1.32	0.307524	0.565925	AT1G32140	F-box family protein
13373415	2.33	2.74	-1.33	0.172978	0.490303	AT1G28630	hypothetical protein
13348564	2.33	2.8	-1.38	0.009824	0.296261	AT1G43005	hypothetical protein
13455269	2.33	2.83	-1.41	0.351779	0.582708	AT3G30200	Plant transposase (Ptta/En/Spm family)
13457541	2.33	2.82	-1.41	0.095072	0.431394	AT3G48640	hypothetical protein
13479607	2.33	2.87	-1.45	0.298812	0.562461	CYP96A10	cytochrome P450, family 96, subfamily A, polypeptide 10
13342441	2.33	2.88	-1.46	0.005189	0.271751	FNR2	ferredoxin--NADP+ reductase
13431730	2.33	2.9	-1.48	0.02377	0.331326	AT3G22250	UDP-glycosyltransferase-like protein
13358274	2.33	2.93	-1.52	0.499097	0.664416	AT1G72290	trypsin inhibitor (Kunitz) domain-containing protein
13526794	2.33	2.94	-1.52	0.052684	0.382994	AT5G16090	hypothetical protein
13374574	2.33	2.94	-1.53	0.128233	0.458332	AGL92	agamous-like MADS-box protein AGL92
13509245	2.33	2.95	-1.54	0.489886	0.658225	AT5G41660	hypothetical protein
13467518	2.33	2.98	-1.57	0.069186	0.406403	AT4G11590	F-box protein
13388989	2.33	3	-1.59	0.340668	0.578277	AT1G78530	protein kinase-like protein
13376044	2.33	3.08	-1.68	0.420434	0.617454	AT1G43080	glycoside hydrolase family 28 protein / polygalacturonase (pectinase) family protein
13470971	2.33	3.1	-1.71	0.245208	0.535223	AT4G19940	F-box protein
13449443	2.33	3.16	-1.78	0.501066	0.665643	AT3G14380	hypothetical protein
13439326	2.33	3.19	-1.81	0.069161	0.406403	AT3G54410	hypothetical protein

13462592	2.33	3.19	-1.81	0.382578	0.597122	AT3G60897	hypothetical protein
13412752	2.33	3.23	-1.87	0.327142	0.574085	AT2G25305	putative defensin-like protein 67
13400465	2.33	3.26	-1.91	0.339769	0.578001	AT2G34123	putative defensin-like protein 52
13533488	2.33	3.39	-2.07	0.442321	0.630913	AT5G39200; AT5G39140	hypothetical protein
13364170	2.33	3.39	-2.08	0.372024	0.591916	LBD2	LOB domain-containing protein 2
13351040	2.33	3.45	-2.16	0.21827	0.520731	AT1G51823	hypothetical protein
13382373	2.33	3.45	-2.18	0.517572	0.677142	AT1G62590	pentatricopeptide repeat-containing protein
13371077	2.33	3.49	-2.24	0.269497	0.547909	AT1G21990	F-box/RNI-like/FBD-like domains-containing protein
13523109	2.33	3.51	-2.26	0.00448	0.262292	CYCP4;3	cyclin-U4-2
13422687	2.33	3.53	-2.29	0.139304	0.466238	AT3G01010	UDP-glucose/GDP-mannose dehydrogenase-like protein
13411272	2.33	3.62	-2.44	0.233658	0.529317	AT2G21235	Basic-leucine zipper (bZIP) transcription factor family protein
13501666	2.33	3.64	-2.48	0.410501	0.611812	AT5G15000	hypothetical protein
13393891	2.33	3.74	-2.67	0.407053	0.609873	SDC	putative F-box protein
13395248	2.33	3.8	-2.76	0.378542	0.594477	AT2G20970	putative lipid binding protein
13377562	2.33	3.82	-2.81	0.001515	0.249401	AT1G49750	leucine-rich repeat-like protein
13399087	2.33	3.83	-2.83	0.36633	0.590194	AT2G30890	Cytochrome b561/ferric reductase transmembrane protein family
13514971	2.33	3.84	-2.84	0.230345	0.527515	AT5G54531	hypothetical protein
13354303	2.33	3.89	-2.94	0.406725	0.609746	AT1G62070	hypothetical protein
13388198	2.33	4.03	-3.26	0.177986	0.493994	AT1G76640	calcium-binding protein CML39
13392424	2.33	4.19	-3.62	0.163845	0.485532	AT2G07981	hypothetical protein
13540675	2.33	4.84	-5.71	0.004964	0.268309	AT5G57785	hypothetical protein
13352193	2.32	1.88	1.35	0.153681	0.476554	AT1G54700	hypothetical protein
13509529	2.32	1.91	1.33	0.241564	0.53362	AT5G42232	defensin-like protein 115
13484863	2.32	2.02	1.23	0.411679	0.612911	AT4G15053	hypothetical protein
13526095	2.32	2.17	1.11	0.001621	0.250556	NAC085	NAC domain containing protein 85
13378014	2.32	2.19	1.1	0.420287	0.617445	AT1G50750	Plant mobile domain protein family
13508462	2.32	2.2	1.08	0.880682	0.926961	AGL81	protein agamous-like 81
13512296	2.32	2.25	1.05	0.432561	0.625001	AT5G48605	defensin-like protein 220
13524802	2.32	2.25	1.05	0.820158	0.884896	AT5G11412	RNA-binding (RRM/RBD/RNP motifs) family protein
13395181	2.32	2.29	1.02	0.817136	0.883132	AT2G20784	hypothetical protein
13407901	2.32	2.3	1.01	0.757819	0.84148	AT2G04930	haloacid dehalogenase-like hydrolase domain-containing protein
13489809	2.32	2.31	1.01	0.962827	0.977987	AT4G26290; AT4G26288	hypothetical protein
13368295	2.32	2.33	-1.01	0.952173	0.971478		
13387707	2.32	2.35	-1.02	0.652367	0.769345	BLH11	BEL1-like homeodomain 11
13447323	2.32	2.34	-1.02	0.92988	0.957276	AT3G10290	nucleotide-sugar transporter-like protein
13417022	2.32	2.36	-1.03	0.790186	0.864135	CAT5	cationic amino acid transporter 5
13474277	2.32	2.38	-1.04	0.470884	0.647299	TPS4	putative alpha,alpha-trehalose-phosphate synthase [UDP-forming] 4
13378113	2.32	2.38	-1.05	0.575389	0.716554	WIP5	WIP domain protein 5
13379315	2.32	2.44	-1.08	0.595312	0.730135	AT1G54020	GDSL esterase/lipase
13533550	2.32	2.44	-1.09	0.042292	0.368598	AT5G39471	Cysteine/Histidine-rich C1 domain family protein

13525015	2.32	2.44	-1.09	0.675709	0.78505	AT5G11930	glutaredoxin-C10
13391986	2.32	2.5	-1.13	0.265103	0.545766	SDG11	putative histone-lysine N-methyltransferase, H3 lysine-9 specific SUVH10
13541468	2.32	2.49	-1.13	0.421025	0.617789	AT5G59760	hypothetical protein
13370467	2.32	2.53	-1.15	0.257916	0.541251	AT1G20500	4-coumarate--CoA ligase-like 4
13399702	2.32	2.53	-1.16	0.634362	0.75676	AT2G32220	60S ribosomal protein L27-1
13538332	2.32	2.56	-1.18	0.589428	0.726742	AT5G51530	Ubiquitin carboxyl-terminal hydrolase-related protein
13366955	2.32	2.59	-1.21	0.144031	0.469307	AT1G12070	Rho GDP-dissociation inhibitor-like protein
13434782	2.32	2.6	-1.21	0.242912	0.534256	AT3G30770	aspartyl protease family protein
13507148	2.32	2.6	-1.21	0.162241	0.484284	AT5G34905	hypothetical protein
13392784	2.32	2.6	-1.22	0.608369	0.738324	ALD1	AGD2-like defense response protein 1
13392608	2.32	2.63	-1.24	0.167362	0.486855	AT2G12880	CCHC-type zinc knuckle protein
13505777	2.32	2.62	-1.24	0.433032	0.625185	AT5G25850	putative F-box/FBD/LRR-repeat protein
13532421	2.32	2.64	-1.24	0.121521	0.452507	AT5G35830	ankyrin repeat-containing protein
13470098	2.32	2.69	-1.29	0.160825	0.483101	AT4G17810	C2H2 and C2HC zinc finger-containing protein
13518430	2.32	2.68	-1.29	0.213497	0.518061	AT5G62576	hypothetical protein
13374309	2.32	2.7	-1.3	0.05606	0.388455	AT1G30925	phospholipase Cs
13496802	2.32	2.71	-1.3	0.49834	0.663965	AT5G02980	putative F-box/kelch-repeat protein
13467094	2.32	2.71	-1.31	0.006613	0.284323	AT4G10465	heavy-metal-associated domain-containing protein
13462806	2.32	2.72	-1.32	0.47221	0.647867	AT3G61389	hypothetical protein
13388289	2.32	2.74	-1.33	0.300739	0.563711	AT1G76840	hypothetical protein
13520677	2.32	2.76	-1.36	0.026929	0.340132	AT5G01080	Beta-galactosidase related protein
13374039	2.32	2.78	-1.38	0.048213	0.37767	AT1G30250	hypothetical protein
13398769	2.32	2.83	-1.42	0.099293	0.433828	AT2G29880	hypothetical protein
13338055	2.32	2.84	-1.44	0.532395	0.687596	AT1G09610; AT1G09620	hypothetical protein; leucyl-tRNA synthetase
13456422	2.32	2.86	-1.45	0.322062	0.57149	AT3G45580	RING/U-box protein with C6HC-type zinc finger
13435166	2.32	2.87	-1.47	0.086819	0.422399	AT3G43660	vacuolar iron transporter-like protein
13465672	2.32	2.88	-1.47	0.154726	0.477786	CRK38	cysteine-rich receptor-like protein kinase 38
13527606	2.32	2.88	-1.47	0.397145	0.604224	WOX12	WUSCHEL-related homeobox 12
13394200	2.32	2.98	-1.58	0.216624	0.519792	LCV3	protein like-COV 3
13418960	2.32	2.99	-1.59	0.236727	0.530949	JAL23	myrosinase-binding protein-like protein
13353858	2.32	3.05	-1.66	0.378394	0.594453	AT1G60783	hypothetical protein
13433005	2.32	3.05	-1.66	0.400812	0.606291	AT3G25200	hypothetical protein
13355668	2.32	3.11	-1.73	0.125151	0.454245	AT1G66000	hypothetical protein
13336434	2.32	3.11	-1.74	0.316919	0.568567	AT1G06120	delta-9 desaturase-like 3 protein
13529715	2.32	3.11	-1.74	0.332371	0.576298	AT5G23035	defensin-like protein 267
13504183	2.32	3.15	-1.78	0.20455	0.511428	AT5G21100	L-ascorbate oxidase
13434650	2.32	3.19	-1.83	0.115711	0.446397	AT3G29740	BTB/POZ domain-containing protein
13451172	2.32	3.29	-1.96	0.333459	0.576298	IPT8	adenylate isopentenyltransferase 8
13398188	2.32	3.32	-2.01	0.267915	0.546492	LOG1	cytokinin riboside 5'-monophosphate phosphoribohydrolase LOG1
13418749	2.32	3.36	-2.06	0.272827	0.549686	AT2G38905	Low temperature and salt responsive protein
13533158	2.32	3.44	-2.17	0.362887	0.588572	AT5G38080	hypothetical protein
13519347	2.32	3.74	-2.69	0.285022	0.556338	IDL2	protein IDA-LIKE 2

13528393	2.32	3.87	-2.91	0.038578	0.364412	RAP2.11; TUA5; TUA3	ethylene-responsive transcription factor RAP2-11; tubulin alpha-3/alpha-5 chain
13482722	2.32	4.07	-3.37	0.466786	0.645035	AT4G10112	hypothetical protein
13455787	2.32	4.31	-3.97	0.335025	0.576654	AT3G43500	hypothetical protein
13339378	2.32	4.39	-4.2	0.482727	0.653594	AT1G12665	hypothetical protein
13545443	2.31	1.74	1.49	0.276005	0.551066		
13397233	2.31	1.88	1.34	0.163931	0.485532	AT2G25990	hypothetical protein
13460963	2.31	1.9	1.33	0.134303	0.463251	BHLH038	transcription factor ORG2
13425464	2.31	1.98	1.26	0.153379	0.476381	AT3G07500; AT3G07510	far-red impaired responsive 1-like protein; hypothetical protein
13423955	2.31	2	1.24	0.279885	0.554052	GDH3	glutamate dehydrogenase (NAD(P)+)
13484219	2.31	2.05	1.2	0.176732	0.49312	AT4G13885	3'-5' exonuclease-related protein
13347948	2.31	2.1	1.16	0.315365	0.568203	TT1	protein TRANSPARENT TESTA 1
13375294	2.31	2.13	1.13	0.060582	0.396635	AT1G33850	40S ribosomal protein S15
13369827	2.31	2.2	1.08	0.706495	0.806976	AT1G18760	C3HC4-type RING finger domain-containing protein
13482068	2.31	2.19	1.08	0.216264	0.519792	AT4G07380	hypothetical protein
13432965	2.31	2.23	1.06	0.174071	0.491258	XTH3	xyloglucan endotransglucosylase/hydrolase protein 3
13445838	2.31	2.23	1.05	0.712194	0.810415	AT3G06895	hypothetical protein
13343315	2.31	2.25	1.04	0.798806	0.870597	AT1G22230	hypothetical protein
13486982	2.31	2.25	1.04	0.876206	0.923637	AT4G19645	TRAM, LAG1 and CLN8 (TLC) lipid-sensing domain containing protein
13518666	2.31	2.28	1.03	0.764035	0.845566	AT5G63087	Plant thionin family protein
13366670	2.31	2.3	1.01	0.9753	0.985277	AT1G11340	putative S-locus lectin protein kinase
13400485	2.31	2.29	1.01	0.912182	0.946729	AT2G34185	hypothetical protein
13466271	2.31	2.29	1.01	0.959567	0.976026	AT4G08270	hypothetical protein
13526461	2.31	2.29	1.01	0.959661	0.976066	FTSH6	cell division protease ftsH-6
13357860	2.31	2.35	-1.02	0.690077	0.795118	AT1G71450; AT1G71460	ethylene-responsive transcription factor ERF021; pentatricopeptide repeat-containing protein
13532648	2.31	2.34	-1.02	0.883158	0.928712	AT5G36680; AT5G36770	hypothetical protein
13434676	2.31	2.36	-1.03	0.842158	0.900539	AT3G29800	AAA-type ATPase family protein
13504548	2.31	2.36	-1.03	0.846706	0.90332	AT5G22610	F-box, FBD and leucine rich repeat domain-containing protein
13522263	2.31	2.36	-1.03	0.786379	0.861454	CYP79A2	phenylalanine N-hydroxylase
13433683	2.31	2.41	-1.07	0.70128	0.803394	AT3G26742	hypothetical protein
13334192	2.31	2.43	-1.09	0.39285	0.601749	AT1G01073	hypothetical protein
13384293	2.31	2.48	-1.12	0.172798	0.490173	AT1G67130	F-box protein
13430195	2.31	2.48	-1.12	0.250331	0.537531	BRC1	transcription factor TCP18
13495474	2.31	2.48	-1.12	0.127285	0.457028	AT4G38825; AT4G38820	SAUR-like auxin-responsive protein; hypothetical protein
13431111	2.31	2.49	-1.13	0.364833	0.589467	SVL3	protein SEUSS-like 3
13537912	2.31	2.5	-1.14	0.171503	0.489309	AT5G50500	hypothetical protein
13375011	2.31	2.5	-1.15	0.242862	0.534256	AT1G32880	armadillo/beta-catenin-like repeats-containing protein
13448834	2.31	2.52	-1.15	0.2175	0.520618	AT3G13229	hypothetical protein
13427376	2.31	2.55	-1.18	0.548637	0.698578	ASML2	protein activator of spomin::LUC2

13487163	2.31	2.57	-1.19	0.365594	0.589849	AT4G20200	terpene cyclase, C1 domain-containing protein
13532068	2.31	2.56	-1.19	0.446028	0.633545	AT5G34780	2-oxoisovalerate dehydrogenase E1 component, alpha subunit
13451918	2.31	2.59	-1.21	0.501222	0.665789	AT3G20760	Nse4, component of Smc5/6 DNA repair complex
13379174	2.31	2.61	-1.23	0.395257	0.603242	AT1G53705	aminoacyl-tRNA synthetase, class II-like domain containing protein
13523178	2.31	2.61	-1.23	0.450886	0.635828	AT5G07600	oleosin / glycine-rich protein
13466702	2.31	2.64	-1.25	0.406389	0.609532	AT4G09360	NB-ARC domain-containing disease resistance protein
13495904	2.31	2.63	-1.25	0.490622	0.658772	AT4G39970	haloacid dehalogenase-like hydrolase family protein
13357589	2.31	2.64	-1.26	0.473585	0.648287	CRR23	inorganic carbon transport protein-related protein
13385040	2.31	2.65	-1.26	0.277853	0.552487	PPC4	phosphoenolpyruvate carboxylase 4
13435325	2.31	2.66	-1.27	0.439732	0.629482	AT3G44091	hypothetical protein
13544563	2.31	2.66	-1.28	0.142877	0.468775	AT5G67050	lipase class 3 family protein
13542471	2.31	2.68	-1.29	0.333827	0.576298	AT5G62240	Cell cycle regulated microtubule associated protein
13443811	2.31	2.68	-1.3	0.25124	0.53836	SKOR	Potassium channel SKOR
13486686	2.31	2.71	-1.31	0.058744	0.394229	XTH29	xyloglucan:xyloglucosyl transferase
13472125	2.31	2.75	-1.36	0.537128	0.690468	LBD32	LOB domain-containing protein 32
13482229	2.31	2.77	-1.37	0.255706	0.540325	AT4G08430	Ulp1 protease family protein
13409295	2.31	2.78	-1.39	0.512521	0.673906	AT2G16450	putative F-box protein
13467021	2.31	2.81	-1.41	0.25546	0.540321	AT4G10190	F-box and associated interaction domains-containing protein
13446844	2.31	2.85	-1.45	0.387138	0.598595	AT3G09330	transmembrane amino acid transporter-like protein
13522214	2.31	2.86	-1.47	0.064936	0.401596	AT5G05113	hypothetical protein
13438566	2.31	2.88	-1.48	0.013026	0.304986	OFP6	ovate family protein 6
13486048	2.31	2.88	-1.48	0.053208	0.383665	AT4G17470	palmitoyl-protein thioesterase
13373216	2.31	2.96	-1.57	0.114441	0.445522	PUP1	purine permease 1
13384510	2.31	2.97	-1.58	0.336144	0.576994	AT1G67400	ELMO/CED-12 domain-containing protein
13433176	2.31	2.99	-1.6	0.034873	0.355472	AT3G25640	hypothetical protein
13370591	2.31	3	-1.62	0.265288	0.545853	AT1G20750	RAD3-like DNA-binding helicase protein
13471386	2.31	3.04	-1.66	0.307564	0.565925	AT4G20970	basic helix-loop-helix domain-containing protein
13341634	2.31	3.08	-1.7	0.024025	0.332187	AT1G18130	class II aaRS and biotin synthetase domain-containing protein
13496781	2.31	3.13	-1.76	0.412565	0.61329	AT5G02920	F-box/LRR-repeat protein 25
13541253	2.31	3.26	-1.94	0.137931	0.46568	AT5G59110	subtilisin-like serine protease-like protein
13488230	2.31	3.35	-2.05	0.009363	0.296261	LDOX	leucoanthocyanidin dioxygenase
13490224	2.31	3.4	-2.13	0.355051	0.584506	COBL11	COBRA-like protein 11
13507931	2.31	3.49	-2.27	0.115166	0.446247	AT5G38060	hypothetical protein
13455781	2.31	3.51	-2.3	0.265401	0.545915	AT3G43470	zinc ion binding / nucleic acid binding protein
13443746	2.31	3.56	-2.38	0.204884	0.511737	AT3G02670	Glycine-rich protein family
13336800	2.31	3.69	-2.61	0.207376	0.513526	AT1G06930	hypothetical protein
13514926	2.31	3.94	-3.09	0.342154	0.578887	AT5G54420	hypothetical protein
13436567	2.31	4.03	-3.28	0.451437	0.636057	ABCA4	ABC transporter A family member 4

13449571	2.31	4.47	-4.46	0.033813	0.354018	MSL5	mechanosensitive channel of small conductance-like 5
13532600	2.31	6.57	-19.13	0.311404	0.566973	AT5G36350; AT5G36360; AT5G36380; AT5G36390; AT5G36400; AT5G36410; AT5G36420; AT5G36430; AT5G36440; AT5G36450; AT5G36460; AT5G36470; AT5G36480; AT5G36490; AT5G36500; AT5G36520; AT5G36550	ECA1 gametogenesis related family protein
13532606	2.31	6.57	-19.13	0.311404	0.566973	AT5G36350; AT5G36360; AT5G36380; AT5G36390; AT5G36400; AT5G36410; AT5G36420; AT5G36430; AT5G36440; AT5G36450; AT5G36460; AT5G36470; AT5G36480; AT5G36490; AT5G36500; AT5G36520; AT5G36550	ECA1 gametogenesis related family protein

13532608	2.31	6.57	-19.13	0.311404	0.566973	AT5G36350; AT5G36360; AT5G36380; AT5G36390; AT5G36400; AT5G36410; AT5G36420; AT5G36430; AT5G36440; AT5G36450; AT5G36460; AT5G36470; AT5G36480; AT5G36490; AT5G36500; AT5G36520; AT5G36550	ECA1 gametogenesis related family protein
13532610	2.31	6.57	-19.13	0.311404	0.566973	AT5G36350; AT5G36360; AT5G36380; AT5G36390; AT5G36400; AT5G36410; AT5G36420; AT5G36430; AT5G36440; AT5G36450; AT5G36460; AT5G36470; AT5G36480; AT5G36490; AT5G36500; AT5G36520; AT5G36550	ECA1 gametogenesis related family protein

13532612	2.31	6.57	-19.13	0.311404	0.566973	AT5G36350; AT5G36360; AT5G36380; AT5G36390; AT5G36400; AT5G36410; AT5G36420; AT5G36430; AT5G36440; AT5G36450; AT5G36460; AT5G36470; AT5G36480; AT5G36490; AT5G36500; AT5G36520; AT5G36550	ECA1 gametogenesis related family protein
13532614	2.31	6.57	-19.13	0.311404	0.566973	AT5G36350; AT5G36360; AT5G36380; AT5G36390; AT5G36400; AT5G36410; AT5G36420; AT5G36430; AT5G36440; AT5G36450; AT5G36460; AT5G36470; AT5G36480; AT5G36490; AT5G36500; AT5G36520; AT5G36550	ECA1 gametogenesis related family protein

13532616	2.31	6.57	-19.13	0.311404	0.566973	AT5G36350; AT5G36360; AT5G36380; AT5G36390; AT5G36400; AT5G36410; AT5G36420; AT5G36430; AT5G36440; AT5G36450; AT5G36460; AT5G36470; AT5G36480; AT5G36490; AT5G36500; AT5G36520; AT5G36550	ECA1 gametogenesis related family protein
13532618	2.31	6.57	-19.13	0.311404	0.566973	AT5G36350; AT5G36360; AT5G36380; AT5G36390; AT5G36400; AT5G36410; AT5G36420; AT5G36430; AT5G36440; AT5G36450; AT5G36460; AT5G36470; AT5G36480; AT5G36490; AT5G36500; AT5G36520; AT5G36550	ECA1 gametogenesis related family protein

13532620	2.31	6.57	-19.13	0.311404	0.566973	AT5G36350; AT5G36360; AT5G36380; AT5G36390; AT5G36400; AT5G36410; AT5G36420; AT5G36430; AT5G36440; AT5G36450; AT5G36460; AT5G36470; AT5G36480; AT5G36490; AT5G36500; AT5G36520; AT5G36550	ECA1 gametogenesis related family protein
13532622	2.31	6.57	-19.13	0.311404	0.566973	AT5G36350; AT5G36360; AT5G36380; AT5G36390; AT5G36400; AT5G36410; AT5G36420; AT5G36430; AT5G36440; AT5G36450; AT5G36460; AT5G36470; AT5G36480; AT5G36490; AT5G36500; AT5G36520; AT5G36550	ECA1 gametogenesis related family protein

13532624	2.31	6.57	-19.13	0.311404	0.566973	AT5G36350; AT5G36360; AT5G36380; AT5G36390; AT5G36400; AT5G36410; AT5G36420; AT5G36430; AT5G36440; AT5G36450; AT5G36460; AT5G36470; AT5G36480; AT5G36490; AT5G36500; AT5G36520; AT5G36550	ECA1 gametogenesis related family protein
13545655	2.31	6.57	-19.13	0.311404	0.566973	AT5G36350; AT5G36380; AT5G36390; AT5G36400; AT5G36410; AT5G36420; AT5G36430; AT5G36440; AT5G36450; AT5G36470; AT5G36460; AT5G36360	ECA1 gametogenesis related family protein
13545657	2.31	6.57	-19.13	0.311404	0.566973	AT5G36350; AT5G36380; AT5G36390; AT5G36400; AT5G36410; AT5G36420; AT5G36430; AT5G36440; AT5G36450; AT5G36470; AT5G36460; AT5G36360	ECA1 gametogenesis related family protein

13545659	2.31	6.57	-19.13	0.311404	0.566973	AT5G36350; AT5G36380; AT5G36390; AT5G36400; AT5G36410; AT5G36420; AT5G36430; AT5G36440; AT5G36450; AT5G36470; AT5G36460; AT5G36360	ECA1 gametogenesis related family protein
13545661	2.31	6.57	-19.13	0.311404	0.566973	AT5G36350; AT5G36380; AT5G36390; AT5G36400; AT5G36410; AT5G36420; AT5G36430; AT5G36440; AT5G36450; AT5G36470; AT5G36460; AT5G36360	ECA1 gametogenesis related family protein
13545663	2.31	6.57	-19.13	0.311404	0.566973	AT5G36350; AT5G36380; AT5G36390; AT5G36400; AT5G36410; AT5G36420; AT5G36430; AT5G36440; AT5G36450; AT5G36470; AT5G36460; AT5G36360	ECA1 gametogenesis related family protein
13545665	2.31	6.57	-19.13	0.311404	0.566973	AT5G36350; AT5G36380; AT5G36390; AT5G36400; AT5G36410; AT5G36420; AT5G36430; AT5G36440; AT5G36450; AT5G36470; AT5G36460; AT5G36360	ECA1 gametogenesis related family protein

13545667	2.31	6.57	-19.13	0.311404	0.566973	AT5G36350; AT5G36380; AT5G36390; AT5G36400; AT5G36410; AT5G36420; AT5G36430; AT5G36440; AT5G36450; AT5G36470; AT5G36460; AT5G36360	ECA1 gametogenesis related family protein
13545669	2.31	6.57	-19.13	0.311404	0.566973	AT5G36350; AT5G36380; AT5G36390; AT5G36400; AT5G36410; AT5G36420; AT5G36430; AT5G36440; AT5G36450; AT5G36470; AT5G36460; AT5G36360	ECA1 gametogenesis related family protein
13545671	2.31	6.57	-19.13	0.311404	0.566973	AT5G36350; AT5G36380; AT5G36390; AT5G36400; AT5G36410; AT5G36420; AT5G36430; AT5G36440; AT5G36450; AT5G36470; AT5G36460; AT5G36360	ECA1 gametogenesis related family protein
13545673	2.31	6.57	-19.13	0.311404	0.566973	AT5G36350; AT5G36400; AT5G36410; AT5G36420; AT5G36430; AT5G36440; AT5G36450; AT5G36460; AT5G36470; AT5G36390; AT5G36380; AT5G36360	ECA1 gametogenesis related family protein

13545675	2.31	6.57	-19.13	0.311404	0.566973	AT5G36350; AT5G36390; AT5G36400; AT5G36410; AT5G36420; AT5G36430; AT5G36440; AT5G36450; AT5G36470; AT5G36460; AT5G36380; AT5G36360	ECA1 gametogenesis related family protein
13453777	2.3	1.87	1.35	0.28844	0.557599	CLE27	protein CLAVATA3/ESR-related 27
13424918	2.3	2.02	1.21	0.354136	0.584238	AT3G06160	B3 domain-containing protein REM21
13342548	2.3	2.08	1.17	0.632517	0.755211	AT1G20180	hypothetical protein
13348765	2.3	2.07	1.17	0.476747	0.650261	AT1G44120	armadillo/beta-catenin-like repeat and C2 calcium/lipid-binding domain-containing protein
13432537	2.3	2.07	1.17	0.054698	0.386003	RALFL24	protein ralf-like 24
13533826	2.3	2.11	1.14	0.599266	0.731685	AT5G40290	metal-dependent phosphohydrolase HD domain-containing protein
13441393	2.3	2.13	1.13	0.476128	0.649834	AT3G59580	RWP-RK domain-containing protein
13507777	2.3	2.14	1.12	0.711132	0.809942	AT5G37520	hypothetical protein
13398253	2.3	2.16	1.1	0.419783	0.617215	LCR5	defensin-like protein 149
13531493	2.3	2.18	1.08	0.264521	0.545458	AT5G27440	hypothetical protein
13465209	2.3	2.2	1.07	0.667407	0.779003	AOP1	oxidoreductase AOP1
13376688	2.3	2.22	1.05	0.738925	0.828685	AT1G47730	putative F-box protein
13394060	2.3	2.25	1.04	0.004594	0.262483	EDA2	serine carboxypeptidase S28-like protein
13348071	2.3	2.24	1.04	0.89961	0.938177		
13512146	2.3	2.26	1.03	0.865279	0.915976	AT5G48350	nucleic acid binding protein
13349894	2.3	2.27	1.02	0.873616	0.9219	AT1G49250	ATP-dependent DNA ligase
13439224	2.3	2.28	1.02	0.945522	0.967349	AT3G54160	syntaxin-related family protein
13467268	2.3	2.28	1.01	0.711218	0.809943	AT4G11040	putative protein phosphatase 2C 54
13452723	2.3	2.32	-1.02	0.942986	0.965795	TIF3C2	translation initiation factor eIF-3 subunit 8
13456035	2.3	2.33	-1.02	0.929749	0.95721	AT3G44428	ECA1 gametogenesis related family protein
13396150	2.3	2.34	-1.03	0.667142	0.778915	SCPL13	serine carboxypeptidase-like 13
13493423	2.3	2.34	-1.03	0.893328	0.934421	AT4G34272	hypothetical protein
13406489	2.3	2.36	-1.04	0.309242	0.566721	AT2G47920	kinase interacting-like protein
13429426	2.3	2.37	-1.05	0.795135	0.867821	AT3G17152	enzyme inhibitor/ pectinesterase
13435756	2.3	2.36	-1.05	0.894855	0.935259	AT3G45245	ECA1 gametogenesis related family protein
13371073	2.3	2.39	-1.06	0.478725	0.651465	LEC1	leafy cotyledon 1 transcription factor
13440480	2.3	2.41	-1.08	0.758166	0.841641	AT3G57250	Emsy N Terminus (ENT) domain-containing protein
13440725	2.3	2.43	-1.1	0.343932	0.579276	AT3G57840	self-incompatibility S1 family protein
13485700	2.3	2.44	-1.1	0.437964	0.628329	AT4G16880	Leucine-rich repeat (LRR) family protein
13508269	2.3	2.44	-1.1	0.331348	0.576012	AT5G39010	hypothetical protein
13490784	2.3	2.45	-1.11	0.118101	0.448003	AT4G28330	hypothetical protein
13352003	2.3	2.48	-1.13	0.136779	0.465316	AT1G54240	winged-helix DNA-binding transcription factor family protein

13349303	2.3	2.51	-1.16	0.544986	0.695768	AT1G47578	biotin/lipoate A/B protein ligase family protein
13480761	2.3	2.54	-1.17	0.175763	0.492347	AT4G01925	cysteine/histidine-rich C1 domain-containing protein
13393095	2.3	2.57	-1.21	0.315046	0.568201	AT2G15170	basic secretory protein family protein
13501923	2.3	2.57	-1.21	0.154237	0.47717	AT5G15670	putative F-box protein
13428690	2.3	2.59	-1.22	0.065911	0.402895	AT3G15490	Regulator of Vps4 activity in the MVB pathway protein
13521175	2.3	2.59	-1.22	0.575252	0.716477	AT5G02220	hypothetical protein
13476508	2.3	2.62	-1.24	0.238127	0.532053	AT4G32380	glycoside hydrolase family 28 protein / polygalacturonase (pectinase) family protein
13437297	2.3	2.62	-1.25	0.40672	0.609746	AT3G49040	F-box domain-containing protein
13539307	2.3	2.63	-1.26	0.263987	0.544951	CNGC4	cyclic nucleotide-gated ion channel 4
13347416	2.3	2.65	-1.28	0.426078	0.620795	AT1G33320	putative cystathionine gamma-synthase
13370480	2.3	2.66	-1.29	0.429361	0.622788	AT1G20520	hypothetical protein
13434763	2.3	2.72	-1.33	0.383958	0.597749	AT3G30460	RING/U-box domain-containing protein
13445069	2.3	2.73	-1.35	0.25645	0.540807	RLP32	receptor like protein 32
13427161	2.3	2.74	-1.36	0.319828	0.570589	AT3G12190	hypothetical protein
13511181	2.3	2.75	-1.36	0.340159	0.578077	AT5G46310	WRKY family transcription factor
13359559	2.3	2.76	-1.37	0.339185	0.57788	LCR67	defensin-like protein 13
13371779	2.3	2.76	-1.38	0.202815	0.510485	AT1G23700	protein kinase-like protein
13353850	2.3	2.78	-1.4	0.098135	0.433275	AT1G60740	peroxiredoxin-2D
13533103	2.3	2.83	-1.44	0.247068	0.535726	AT5G37840	hypothetical protein
13375390	2.3	2.84	-1.45	0.020263	0.322692	AT1G34095	hypothetical protein
13403698	2.3	2.87	-1.48	0.193948	0.505856	RPB5D	RNA polymerase II fifth largest subunit, D
13386528	2.3	2.91	-1.52	0.030386	0.350098	AT1G72720	hypothetical protein
13523164	2.3	2.92	-1.54	0.303075	0.564046	AT5G07571; AT5G07572	Oleosin family protein; hypothetical protein
13453813	2.3	2.99	-1.61	0.169014	0.487529	AT3G26140	Cellulase (glycosyl hydrolase family 5) protein
13483288	2.3	2.99	-1.62	0.242387	0.534004	AT4G11700	hypothetical protein
13400033	2.3	3.02	-1.66	0.267598	0.546492	PAP13	purple acid phosphatase 13
13454971	2.3	3.08	-1.71	0.015406	0.314757	AT3G28960	Transmembrane amino acid transporter family protein
13473197	2.3	3.07	-1.71	0.338216	0.577332	AT4G25040	hypothetical protein
13464261	2.3	3.12	-1.76	0.341716	0.578744	CPL3	CAPRICE-like MYB3
13434801	2.3	3.17	-1.82	0.325809	0.573502	AT3G30849	hypothetical protein
13362474	2.3	3.2	-1.86	0.281199	0.554581	CEL2	endoglucanase 1
13385383	2.3	3.24	-1.93	0.088391	0.424759	AGL94	protein agamous-like 94
13435372	2.3	3.25	-1.93	0.348152	0.580705	AT3G44230	hypothetical protein
13420307	2.3	3.29	-2	0.298648	0.562461	AT2G42340	hypothetical protein
13474641	2.3	3.3	-2.01	0.340551	0.578179	AT4G28397	hypothetical protein
13447894	2.3	3.51	-2.31	0.155755	0.478792	AT3G11580	AP2/B3 domain-containing protein
13399362	2.3	3.52	-2.32	0.258446	0.541251	AT2G31430	invertase/pectin methylesterase inhibitor-like protein
13461830	2.3	3.51	-2.32	0.385341	0.598088	AT3G58960	putative F-box protein
13449111	2.3	3.67	-2.58	0.102541	0.435826	CWINV5	beta-fructofuranosidase, insoluble isoenzyme CWINV5
13408059	2.3	3.8	-2.83	0.424368	0.619843	AT2G05915	hypothetical protein
13392553	2.3	4.04	-3.32	0.332373	0.576298	AT2G11626	hypothetical protein

13441346	2.3	4.38	-4.23	0.359565	0.586278	AT3G59455	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13472322	2.3	4.41	-4.32	0.329882	0.575291	EP1	putative cysteine-rich receptor-like protein kinase 9
13545517	2.29	1.83	1.38	0.261798	0.543595		
13444753	2.29	1.89	1.32	0.172167	0.489773	LCR18	putative defensin-like protein 184
13485736	2.29	2.09	1.15	0.500622	0.665424	AT4G16930	Toll-Interleukin-Resistance (TIR) domain-containing protein
13503993	2.29	2.18	1.08	0.342441	0.579015	AT5G20430	Mob1/phocein family protein
13506346	2.29	2.18	1.08	0.633918	0.756449	AT5G27260	hypothetical protein
13424108	2.29	2.25	1.03	0.818221	0.883704	NAC048	NAC domain containing protein 48
13342902	2.29	2.33	-1.03	0.897855	0.936859	WAK5	wall-associated receptor kinase 5
13367628	2.29	2.33	-1.03	0.582562	0.721901	AT1G13760	hypothetical protein
13466992	2.29	2.35	-1.04	0.877744	0.924835	AT4G10150	RING-H2 finger protein ATL7
13483386	2.29	2.34	-1.04	0.856624	0.910354	AT4G11900	S-locus lectin protein kinase-like protein
13351992	2.29	2.38	-1.07	0.861632	0.913928	AT1G54230	winged helix-turn-helix transcription repressor DNA-binding protein
13478098	2.29	2.39	-1.07	0.743408	0.831527	AT4G35680	hypothetical protein
13424025	2.29	2.41	-1.09	0.392586	0.601642	AT3G04050	pyruvate kinase
13428956	2.29	2.41	-1.09	0.522734	0.680946	ROPGEF13	RHO guanyl-nucleotide exchange factor 13
13507431	2.29	2.41	-1.09	0.505204	0.668653	AT5G35950	jacalin lectin family protein
13416340	2.29	2.44	-1.11	0.381792	0.59674	RD20	caleosin-related protein
13533705	2.29	2.46	-1.12	0.425129	0.620343	CLPS5	CLP1-like protein 5
13501528	2.29	2.46	-1.13	0.409882	0.611337	ARFA1B	ADP-ribosylation factor A1B
13385129	2.29	2.49	-1.14	0.70522	0.805969	AT1G68905	putative defensin-like protein 262
13460861	2.29	2.48	-1.14	0.457285	0.639398	FAR6	fatty acyl-CoA reductase 6
13508006	2.29	2.49	-1.15	0.434601	0.62623	AT5G38270	F-box protein
13536376	2.29	2.49	-1.15	0.294432	0.560624	AT5G46930	plant invertase/pectin methylesterase inhibitor domain-containing protein
13371771	2.29	2.51	-1.17	0.456803	0.639146	AT1G23690	hypothetical protein
13545595	2.29	2.54	-1.19	0.414608	0.614208	AT1G18486; AT1G18490	hypothetical protein
13416255	2.29	2.62	-1.26	0.332027	0.576254	YUC7	protein YUCCA 7
13353770	2.29	2.64	-1.27	0.157371	0.479979	AT1G60370	putative F-box protein
13429576	2.29	2.67	-1.3	0.532607	0.687601	AT3G17540	putative F-box/kelch-repeat protein
13336379	2.29	2.69	-1.32	0.306903	0.565657	AT1G05930	hypothetical protein
13491813	2.29	2.69	-1.32	0.391523	0.600828	AT4G30970	hypothetical protein
13388955	2.29	2.75	-1.38	0.040606	0.365846	ATGA2OX1	gibberellin 2-beta-dioxygenase 1
13349353	2.29	2.76	-1.38	0.134382	0.463251	AT1G47770	Beta-galactosidase related protein
13501892	2.29	2.76	-1.38	0.199663	0.508999	AT5G15620	putative F-box/LRR-repeat protein
13366547	2.29	2.77	-1.39	0.186513	0.500853	AT1G11070	hypothetical protein
13457745	2.29	2.79	-1.41	0.450799	0.635828	AT3G49270	hypothetical protein
13436724	2.29	2.8	-1.42	0.377428	0.594036		
13438936	2.29	2.82	-1.44	0.027435	0.342427	AT3G53470	hypothetical protein
13525208	2.29	2.81	-1.44	0.320306	0.570744	AT5G12323	hypothetical protein
13452462	2.29	2.83	-1.46	0.122785	0.45286	SK9	S-phase kinase-associated protein 1
13507893	2.29	2.87	-1.49	0.172353	0.489773	AT5G37950	UDP-glycosyltransferase-like protein
13468661	2.29	2.92	-1.54	0.45542	0.63854	AT4G14810	hypothetical protein

13532710	2.29	2.93	-1.56	0.001647	0.250556	PGLP1; AT5G36790	2-phosphoglycolate phosphatase 1; haloacid dehalogenase-like hydrolase domain-containing protein
13334957	2.29	2.96	-1.59	0.046526	0.377387	AT1G02670	putative DNA repair protein
13391479	2.29	3.01	-1.64	0.314761	0.568201	AT2G04220	hypothetical protein
13442208	2.29	3.01	-1.65	0.089275	0.426215	AT3G61390	U-box domain-containing protein 36
13345964	2.29	3.03	-1.67	0.150165	0.473173	AT1G29770	haloacid dehalogenase-like hydrolase
13533868	2.29	3.04	-1.68	0.040766	0.366076	AT5G40382	putative cytochrome c oxidase subunit 5C-4
13348198	2.29	3.04	-1.68	0.056136	0.388747	AT1G36030	F-box family protein
13455017	2.29	3.14	-1.79	0.457951	0.639717	AT3G29050	receptor-like protein kinase-related protein
13511102	2.29	3.18	-1.85	0.313893	0.568024	AT5G46010	homeobox-leucine zipper transcription factor family protein
13438503	2.29	3.23	-1.92	0.285147	0.556339	AT3G52310; AT3G52302	ABC transporter G family member 27; hypothetical protein
13438305	2.29	3.26	-1.96	0.50109	0.665643	scpl39	carboxypeptidase D
13469373	2.29	3.26	-1.96	0.504386	0.66833	AT4G16050	Aminotransferase-like, plant mobile domain family protein
13522855	2.29	3.28	-1.98	0.4639	0.643486	AT5G06755	hypothetical protein
13414631	2.29	3.35	-2.08	0.282604	0.555512	AT2G29679	hypothetical protein
13536149	2.29	3.36	-2.1	0.175281	0.492147	KAT1	Potassium channel KAT1
13369240	2.29	3.38	-2.12	0.296779	0.562037	AT1G17600	TIR-NBS-LRR class disease resistance protein
13534363	2.29	3.47	-2.27	0.318523	0.569591	AT5G41890	GDSL esterase/lipase
13380841	2.29	3.5	-2.32	0.470865	0.647299	AT1G58242	Plant thionin family protein
13526036	2.29	3.54	-2.38	0.4509	0.635828	AGP6	arabinogalactan protein 6
13543744	2.29	3.61	-2.51	0.324474	0.573034	AT5G65340	hypothetical protein
13532867	2.29	3.64	-2.55	0.271829	0.548926	AT5G37280	RING/U-box domain-containing protein
13523159	2.29	3.67	-2.61	0.120302	0.451699	GRP20	glycine-rich protein 20
13350522	2.29	3.71	-2.69	0.392585	0.601642	AT1G50780	2Fe-2S ferredoxin-like protein
13539685	2.29	3.74	-2.73	0.422159	0.618386	AT5G55340	putative long-chain-alcohol O-fatty-acyltransferase 5
13354763	2.29	3.75	-2.76	0.162781	0.484829	AT1G63560	cysteine-rich repeat secretory protein 8
13452192	2.29	3.77	-2.79	0.313829	0.568024	AT3G21320; AT3G21310	hypothetical protein; Core-2/I-branching beta-1,6-N-acetylglucosaminyltransferase family protein
13436278	2.29	3.86	-2.97	0.337025	0.577005	AT3G46910	putative cullin-like protein 4
13403678	2.29	4.19	-3.72	0.19421	0.505856	M10	late embryogenesis abundant protein (M10) / LEA protein M10
13526694	2.29	4.25	-3.88	0.265121	0.545766	AT5G15780	Pollen Ole e 1 allergen and extensin family protein
13414502	2.29	4.4	-4.31	0.425824	0.620747	AT2G29263	hypothetical protein
13477095	2.29	5.63	-10.17	0.00209	0.253459	AT4G33550	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13521906	2.28	1.55	1.66	0.149775	0.472607		
13482741	2.28	1.63	1.57	0.015688	0.315212	AT4G10265	putative wound-responsive protein
13483740	2.28	1.87	1.33	0.364003	0.589155	AT4G12810	putative F-box/kelch-repeat protein
13545573	2.28	1.87	1.32	0.363925	0.589143		
13409353	2.28	1.9	1.3	0.332917	0.576298	AT2G16535	maternally expressed family protein
13388003	2.28	1.95	1.26	0.457636	0.639576	AT1G76210	hypothetical protein
13478929	2.28	2	1.21	0.452667	0.636679	AT4G37810	epidermal patterning factor-like protein 2

13373262	2.28	2.05	1.17	0.045868	0.376634	AT1G28305	self-incompatibility protein S1 family protein
13523562	2.28	2.08	1.15	0.216472	0.519792	FTRA2	ferredoxin/thioredoxin reductase subunit A (variable subunit) 2
13511647	2.28	2.1	1.14	0.045017	0.374597	AT5G47340	palmitoyl protein thioesterase family protein
13409775	2.28	2.09	1.14	0.290779	0.558747	NIP1	NEP-interacting protein 1
13452662	2.28	2.09	1.14	0.330856	0.575899	AT3G22690	hypothetical protein
13456879	2.28	2.15	1.1	0.298343	0.562461	AT3G46810	cysteine/histidine-rich C1 domain-containing protein
13458153	2.28	2.15	1.1	0.83435	0.89517	AT3G50160	hypothetical protein
13468090	2.28	2.15	1.09	0.074733	0.410456	AT4G13263	hypothetical protein
13455021	2.28	2.18	1.07	0.629342	0.753097	AT3G29060	phosphate transporter PHO1-9
13382359	2.28	2.22	1.05	0.492357	0.659808	AT1G62490	Mitochondrial transcription termination factor family protein
13464350	2.28	2.24	1.03	0.608784	0.738734	AT4G01335	hypothetical protein
13393246	2.28	2.3	-1.01	0.985003	0.991364	AT2G15670	hypothetical protein
13419199	2.28	2.29	-1.01	0.902871	0.940513	AT2G39920	acid phosphatase class IIIB protein
13487023	2.28	2.3	-1.02	0.963176	0.978246	AT4G19770	Glycosyl hydrolase family protein with chitinase insertion domain
13412188	2.28	2.32	-1.03	0.904054	0.94134	AT2G24030	zinc ion / nucleic acid binding protein
13480430	2.28	2.35	-1.04	0.870676	0.919612	AT4G01180	XH/XS domain-containing protein
13463313	2.28	2.35	-1.05	0.837036	0.897075	AT3G62440	F-box/LRR-repeat protein
13487762	2.28	2.38	-1.07	0.716682	0.813863	AT4G21895	DNA binding protein
13531703	2.28	2.39	-1.08	0.118865	0.449347	AT5G28190	hypothetical protein
13532686	2.28	2.39	-1.08	0.081342	0.416553	AT5G36722; AT5G36810	hypothetical protein
13343416	2.28	2.4	-1.09	0.79008	0.864084	AGL87	protein AGAMOUS-like 87
13452555	2.28	2.4	-1.09	0.584669	0.72354	PCC1	pathogen and circadian controlled 1
13381298	2.28	2.43	-1.1	0.046324	0.377124	NAC023	NAC domain containing protein 23
13500970	2.28	2.43	-1.11	0.262708	0.543774	PBS3	auxin-responsive GH3 family protein
13517710	2.28	2.42	-1.11	0.581565	0.721228	AT5G60945	ECA1 gametogenesis related family protein
13458003	2.28	2.47	-1.15	0.470179	0.646758	AT3G49770	hypothetical protein
13379325	2.28	2.51	-1.17	0.168596	0.487225	ESP	epithiospecifier protein
13340210	2.28	2.54	-1.19	0.066596	0.403717	AT1G15015	F-box protein
13363423	2.28	2.53	-1.19	0.490203	0.658558	AT1G04880	high mobility group-box and ARID domain-binding domain-containing protein
13379670	2.28	2.54	-1.19	0.355494	0.584538	AT1G54860	Glycoprotein membrane precursor GPI-anchored
13384094	2.28	2.53	-1.19	0.335094	0.576654	AT1G66830	putative leucine-rich repeat transmembrane protein kinase
13343180	2.28	2.54	-1.2	0.105045	0.43719	GONST5	golgi nucleotide sugar transporter 5
13506966	2.28	2.54	-1.2	0.145819	0.470399	AT5G28820	hypothetical protein
13509808	2.28	2.57	-1.23	0.065882	0.402802	AT5G42760	Leucine carboxyl methyltransferase
13337042	2.28	2.59	-1.24	0.030951	0.351017	AT1G07690	hypothetical protein
13428267	2.28	2.59	-1.24	0.090715	0.427844	AT3G14760	hypothetical protein
13461804	2.28	2.59	-1.24	0.18667	0.500853	AT3G58880	putative F-box/LRR-repeat protein
13503949	2.28	2.63	-1.27	0.079427	0.414177	AT5G20310	N-terminal domain of eukaryotic serinethreonine kinases-containing protein
13537347	2.28	2.63	-1.27	0.234855	0.529692	IMPA-5	importin alpha isoform 5
13431650	2.28	2.63	-1.28	0.023286	0.330182	AT3G22030	putative cysteine-rich repeat secretory protein 33

13403848	2.28	2.64	-1.29	0.053135	0.383521	AT2G41590; AT2G41600	hypothetical protein; glycoprotein family protein
13525842	2.28	2.66	-1.3	0.267932	0.546492	AT5G13940	aminopeptidase
13364599	2.28	2.66	-1.31	0.379977	0.595541	AT1G07270	cell division control protein 6
13482734	2.28	2.67	-1.31	0.105127	0.43719	AT4G10260	fructokinase
13419896	2.28	2.68	-1.32	0.4424	0.630913		
13458065	2.28	2.69	-1.33	0.014729	0.313095	AT3G49980	putative F-box protein
13392636	2.28	2.7	-1.34	0.120447	0.451921	AT2G13125	hypothetical protein
13393147	2.28	2.7	-1.34	0.089286	0.426215	AT2G15318	hypothetical protein
13489044	2.28	2.71	-1.34	0.266484	0.546291	AT4G24700	hypothetical protein
13393194	2.28	2.71	-1.35	0.126282	0.455497	AT2G15500	RNA-binding protein
13429586	2.28	2.75	-1.38	0.463235	0.643174	HYH	transcription factor HY5-like protein
13529436	2.28	2.77	-1.4	0.385536	0.598186	AT5G22490	O-acyltransferase (WSD1-like) family protein
13404516	2.28	2.78	-1.41	0.059725	0.395074	AT2G43440	F-box protein
13393634	2.28	2.79	-1.42	0.083779	0.417946	AT2G17170	protein kinase-like protein
13535335	2.28	2.8	-1.43	0.101763	0.435397	AT5G44300	dormancy/auxin associated protein
13445671	2.28	2.81	-1.44	0.48744	0.656671	AT3G06640	PAS domain-containing tyrosine kinase-like protein
13480423	2.28	2.83	-1.46	0.367965	0.590874	AT4G01160	BTB/POZ/Kelch-associated protein
13422006	2.28	2.83	-1.47	0.186172	0.500418	AT2G46455	OxaA/YidC-like membrane insertion protein
13375313	2.28	2.85	-1.48	0.219215	0.521369	AT1G33900	putative avirulence-responsive protein
13479356	2.28	2.85	-1.48	0.119149	0.449468	AT4G39020	SH3 domain-containing protein
13510803	2.28	2.85	-1.49	0.006804	0.285606	AT5G45240	TIR-NBS-LRR class disease resistance protein
13396253	2.28	2.85	-1.49	0.228612	0.52646	AGP17	Lysine-rich arabinogalactan protein 17
13424462	2.28	2.86	-1.5	0.217583	0.520626		
13527623	2.28	2.91	-1.55	0.2554	0.540321	CAX7	calcium exchanger 7
13482103	2.28	2.95	-1.59	0.048535	0.37767	AT4G07666	hypothetical protein
13360125	2.28	2.98	-1.62	0.151113	0.473698	AT1G77270	hypothetical protein
13523134	2.28	2.97	-1.62	0.257819	0.541251	GRP18	glycine-rich protein 18
13486663	2.28	3	-1.64	0.482998	0.653736	AT4G18970	GDSL esterase/lipase
13334339	2.28	3.03	-1.68	0.312115	0.567398	AT1G01471	hypothetical protein
13366979	2.28	3.03	-1.69	0.373706	0.592616	AT1G12211	hypothetical protein
13537035	2.28	3.04	-1.7	0.396718	0.604155	AT5G48575	hypothetical protein
13506894	2.28	3.08	-1.75	0.136162	0.465036	AT5G28470	major facilitator protein
13539453	2.28	3.09	-1.75	0.433519	0.625367	AT5G54720	ankyrin repeat-containing protein
13411526	2.28	3.1	-1.76	0.33663	0.576994	AT2G21990	hypothetical protein
13358147	2.28	3.14	-1.82	0.05833	0.393329	AT1G72030	Acyl-CoA N-acyltransferases-like protein
13435320	2.28	3.15	-1.83	0.248213	0.536392	AT3G44090	F-box protein
13411035	2.28	3.2	-1.89	0.086702	0.422315	LLG2; AT2G20690	LORELEI-like glucosylphosphatidylinositol-anchored protein 2; riboflavin synthase alpha chain
13456585	2.28	3.21	-1.91	0.498295	0.663965	AT3G45940	alpha-glucosidase
13406856	2.28	3.28	-2	0.318973	0.57007	PFS2	WUSCHEL-related homeobox 6
13498653	2.28	3.29	-2.02	0.178599	0.494539	RR21	putative two-component response regulator ARR21
13535302	2.28	3.38	-2.14	0.44823	0.634904	AT5G44265	non-specific lipid-transfer protein 13
13376717	2.28	3.43	-2.23	0.468651	0.645889	AT1G47885	Ribonuclease inhibitor
13531347	2.28	3.49	-2.31	0.371308	0.591914	AGL93	agamous-like MADS-box protein AGL93

13338855	2.28	3.5	-2.33	0.292539	0.559559	AT1G11560	oligosaccharyltransferase complex/magnesium transporter-like protein
13454726	2.28	3.55	-2.41	0.196848	0.507617	AT3G28330	F-box family protein-like protein
13441202	2.28	3.56	-2.44	0.188531	0.502829	AT3G59180	RNI-like/FBD-like domain-containing protein
13429422	2.28	3.8	-2.88	0.374452	0.593017	AT3G17150	plant invertase/pectin methylesterase inhibitor domain-containing protein
13514679	2.28	4.06	-3.43	0.31726	0.568833	AT5G53790	hypothetical protein
13351835	2.28	4.1	-3.51	0.003798	0.257741	AT1G53870; AT1G53890	LURP-one-related 3 protein
13408025	2.28	4.84	-5.9	0.235284	0.529705	AT2G05645	hypothetical protein
13366234	2.27	1.92	1.27	0.046245	0.377124	AT1G10585	basic helix-loop-helix domain-containing protein
13381894	2.27	1.98	1.22	0.38115	0.596401	AT1G61400	S-locus lectin protein kinase family protein
13396680	2.27	2.04	1.17	0.551706	0.700738	AT2G24510	F-box associated ubiquitination effector family protein
13383004	2.27	2.06	1.16	0.326009	0.573645	AT1G64107	defensin-like protein 269
13472672	2.27	2.14	1.1	0.198851	0.508347	CSLG3	cellulose synthase-like protein G3
13415148	2.27	2.17	1.07	0.477891	0.650992	AT2G30810	putative gibberellin-regulated protein
13437286	2.27	2.21	1.04	0.798542	0.870442	AT3G49020	FBD-associated F-box protein
13457486	2.27	2.21	1.04	0.539726	0.692057	AT3G48480	cysteine-type peptidase
13515516	2.27	2.25	1.02	0.783703	0.859346	AT5G55855	ubiquitin-like protein
13491151	2.27	2.29	-1.01	0.265068	0.545766	AT4G29654	protein kinase family protein
13439914	2.27	2.33	-1.04	0.738717	0.828484	AT3G55710	UDP-glucoronosyl/UDP-glucosyl transferase family protein
13379265	2.27	2.33	-1.05	0.802708	0.872719	AT1G53815	F-box protein
13444750	2.27	2.34	-1.05	0.697408	0.80082	LCR41	putative defensin-like protein 188
13376133	2.27	2.41	-1.1	0.312307	0.567545	TLP5	tubby-like F-box protein 5
13412463	2.27	2.41	-1.1	0.77343	0.852266	AT2G24645	Transcriptional factor B3 family protein
13455562	2.27	2.41	-1.1	0.230934	0.527788	AT3G42390	hypothetical protein
13415753	2.27	2.44	-1.12	0.212866	0.517948	AT2G32030	GCN5-related N-acetyltransferase-like protein
13349100	2.27	2.46	-1.14	0.389145	0.599658	CYCA3;3	cyclin-A3-3
13453521	2.27	2.46	-1.14	0.576549	0.717061	AT3G25099	hypothetical protein
13482375	2.27	2.46	-1.14	0.135802	0.464971	AT4G08869	defensin-like protein 210
13435964	2.27	2.47	-1.15	0.244567	0.535161	AT3G46050	putative F-box/kelch-repeat protein
13445168	2.27	2.49	-1.16	0.353932	0.584056	LON4	lon protease 4
13534887	2.27	2.52	-1.19	0.612372	0.741577	AT5G43300	glycerophosphodiester phosphodiesterase
13536391	2.27	2.52	-1.19	0.227096	0.525508	AT5G46980	plant invertase/pectin methylesterase inhibitor domain-containing protein
13421664	2.27	2.54	-1.2	0.106099	0.437923	CYP76C1	cytochrome P450 76C1
13410021	2.27	2.58	-1.24	0.159426	0.481801	AT2G18300	transcription factor bHLH64
13489896	2.27	2.58	-1.24	0.116498	0.446833	AT4G26483	nicotianamine synthase
13517896	2.27	2.6	-1.26	0.213726	0.518273	AT5G61470	C2H2-like zinc finger protein
13347308	2.27	2.62	-1.27	0.62373	0.749079	AT1G33070	MADS box-containing protein
13474542	2.27	2.62	-1.27	0.204349	0.511328	DGK6	diacylglycerol kinase 6
13410859	2.27	2.66	-1.31	0.366105	0.590066	AT2G20380	F-box protein
13365073	2.27	2.67	-1.32	0.228216	0.526027	CHX6A	cation/H+ exchanger 6A
13388791	2.27	2.68	-1.32	0.203633	0.510884	KOM	Rhomboid-related intramembrane serine protease family protein

13374440	2.27	2.71	-1.35	0.110091	0.441206	AT1G31319	hypothetical protein
13368711	2.27	2.74	-1.38	0.218149	0.520726	AT1G16290	hypothetical protein
13421335	2.27	2.75	-1.39	0.014103	0.312248	AT2G44745	putative WRKY transcription factor 12
13348628	2.27	2.74	-1.39	0.47596	0.649808	AT1G43320	hypothetical protein
13472092	2.27	2.77	-1.42	0.572114	0.714232	AT4G22630	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13478987	2.27	2.81	-1.45	0.098508	0.433275	DOF4.7	Dof zinc finger protein DOF4.7
13375488	2.27	2.91	-1.57	0.38449	0.597873	AT1G34440	hypothetical protein
13394500	2.27	2.93	-1.57	0.444218	0.63204	AT2G19146	hypothetical protein
13343872	2.27	2.98	-1.63	0.341452	0.578648	AT1G23500	GDSL esterase/lipase
13390770	2.27	2.98	-1.63	0.150629	0.473426	LCR73	defensin-like protein 8
13514135	2.27	2.97	-1.63	0.077441	0.412499	AT5G52770	copper transport family protein
13508350	2.27	3.01	-1.66	0.009797	0.296261	PTEN1	Calcium/lipid-binding (CaLB) phosphatase
13354383	2.27	3	-1.67	0.145907	0.470548	AT1G62500	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13353007	2.27	3.05	-1.71	0.325317	0.573204	AT1G56620	pectinesterase inhibitor domain-containing protein
13403042	2.27	3.11	-1.79	0.407723	0.610439	AT2G40004	hypothetical protein
13537604	2.27	3.16	-1.85	0.187475	0.501922	AT5G49870	jacalin lectin family protein
13516978	2.27	3.19	-1.89	0.227632	0.525679	AT5G59305	hypothetical protein
13435719	2.27	3.21	-1.92	0.054491	0.385908	AT3G45093	defensin-like protein 255
13453924	2.27	3.24	-1.96	0.240674	0.53343	AT3G26460	SRPBCC ligand-binding domain-containing protein
13393999	2.27	3.29	-2.02	0.428712	0.622467	AT2G17920	nucleic acid binding / zinc ion binding protein
13507220	2.27	3.33	-2.09	0.392727	0.601699	AT5G35300	hypothetical protein
13415967	2.27	3.38	-2.16	0.000537	0.207323	GRP23	glycine-rich protein 23
13411104	2.27	3.38	-2.16	0.384799	0.597985	AT2G20835	hypothetical protein
13420425	2.27	3.43	-2.24	0.35591	0.584638	COR15B	cold-regulated protein 15b
13345917	2.27	3.44	-2.26	0.271943	0.548926	AT1G29620	Cytochrome C oxidase polypeptide VIB family protein
13422922	2.27	3.45	-2.28	0.454791	0.638112	AT3G01630	major facilitator protein
13394455	2.27	3.53	-2.39	0.093893	0.430485	RALFL10	RALF-like 10 protein
13358546	2.27	3.62	-2.55	0.091292	0.428447	PYL3	abscisic acid receptor PYL3
13484446	2.27	3.7	-2.7	0.261769	0.543595	AT4G14250	structural constituent of ribosome
13378649	2.27	3.76	-2.82	0.167331	0.486855	AT1G52325; AT1G52320	Initiation factor eIF-4 gamma, MA3; hypothetical protein
13435143	2.27	3.8	-2.89	0.378397	0.594453	AT3G43570	GDSL esterase/lipase
13346090	2.27	3.85	-3.01	0.332598	0.576298	AT1G30050	hypothetical protein
13444423	2.27	3.86	-3.02	0.47183	0.647541	AT3G04190	germin-like protein subfamily 1 member 5
13434277	2.27	4.14	-3.65	0.267318	0.546492	AT3G28291	hypothetical protein
13483682	2.27	4.59	-4.99	0.358422	0.585852	AT4G12731	hypothetical protein
13530600	2.27	5.07	-6.98	0.011385	0.297771	VSP2	vegetative storage protein 2
13502063	2.27	5.19	-7.59	0.078284	0.41406	KIN1	stress-induced protein KIN1
13464072	2.26	1.97	1.23	0.078422	0.414078	AT4G00695	hypothetical protein
13408703	2.26	2.03	1.17	0.345355	0.580183	AT2G13630	F-box associated ubiquitination effector family protein
13486409	2.26	2.06	1.15	0.590546	0.727154	AT4G18090	hypothetical protein
13470315	2.26	2.09	1.13	0.323629	0.572669	AT4G18330	putative translation elongation factor 2EF1A / eIF-2-gamma
13392205	2.26	2.11	1.11	0.613212	0.742185	AT2G07640	dienoyl-CoA reductase-like protein

13531260	2.26	2.13	1.1	0.579311	0.719339	AT5G26640	hypothetical protein
13538558	2.26	2.11	1.1	0.162468	0.48454	AT5G52130	hypothetical protein
13417154	2.26	2.13	1.09	0.41713	0.615833	AT2G35250	hypothetical protein
13488712	2.26	2.18	1.06	0.799746	0.871123	AT4G23780	hypothetical protein
13404915	2.26	2.23	1.02	0.917869	0.950284	BGLU29	beta glucosidase 29
13371081	2.26	2.24	1.01	0.917391	0.949927	DD46	putative beta-1,3-galactosyltransferase 5
13416706	2.26	2.27	-1.01	0.976332	0.985844	AT2G34224	hypothetical protein
13532232	2.26	2.29	-1.02	0.939897	0.963838	AT5G35475	general transcription factor 2-related zinc finger protein
13432154	2.26	2.31	-1.03	0.56976	0.712369	AT3G23270	regulator of chromosome condensation-like protein with FYVE zinc finger domain
13354117	2.26	2.36	-1.07	0.777565	0.85524	AT1G61610	S-locus lectin protein kinase-like protein
13468987	2.26	2.38	-1.09	0.712406	0.810585	CYP705A3	cytochrome P450, family 705, subfamily A, polypeptide 3
13347218	2.26	2.43	-1.12	0.688989	0.794178	UBP11	ubiquitin carboxyl-terminal hydrolase 4/11/15
13499007	2.26	2.42	-1.12	0.510224	0.672247	AT5G07860	HXXXD-type acyl-transferase-like protein
13367880	2.26	2.44	-1.14	0.455849	0.638899		
13454749	2.26	2.5	-1.18	0.536068	0.689826	PGP17	ABC transporter B family member 17
13353776	2.26	2.52	-1.2	0.33123	0.576012	AT1G60410	F-box family protein
13531040	2.26	2.53	-1.2	0.067524	0.405582	AT5G25920	hypothetical protein
13368553	2.26	2.54	-1.21	0.090782	0.427844	AT1G15772	hypothetical protein
13392474	2.26	2.54	-1.21	0.57955	0.719511	AT2G10260	hypothetical protein
13456043	2.26	2.56	-1.23	0.508522	0.671336	DPBF2	abscisic acid-insensitive 5-like protein 1
13517662	2.26	2.57	-1.24	0.543754	0.694799	NRT2.4	nitrate transporter 2.4
13398446	2.26	2.67	-1.33	0.477331	0.650631	AT2G29000	leucine-rich repeat protein kinase-like protein
13356025	2.26	2.68	-1.34	0.388698	0.599253	DIN9	mannose-6-phosphate isomerase
13423414	2.26	2.69	-1.35	0.265316	0.545853	AT3G02645	hypothetical protein
13488413	2.26	2.69	-1.35	0.095822	0.431773	CRK14	cysteine-rich receptor-like protein kinase 14
13494740	2.26	2.73	-1.39	0.108986	0.440715	CYP81D8	cytochrome P450, family 81, subfamily D, polypeptide 8
13536292	2.26	2.74	-1.39	0.434644	0.62623	AT5G46610	aluminum activated malate transporter family protein
13450982	2.26	2.75	-1.4	0.306604	0.565398	AT3G18700	hypothetical protein
13364128	2.26	2.77	-1.42	0.317948	0.569524	AT1G06170	transcription factor bHLH89
13391813	2.26	2.78	-1.43	0.088476	0.424895	GRP3S	glycine-rich protein 3 short isoform
13347977	2.26	2.8	-1.46	0.297441	0.56231	AT1G35181	hypothetical protein
13438283	2.26	2.82	-1.47	0.46608	0.644758	AT3G51930	transducin/WD40 domain-containing protein
13362363	2.26	2.84	-1.5	0.116737	0.446833	NIMIN1	protein NIM1-interacting 1
13414678	2.26	2.87	-1.52	0.135265	0.464045	AT2G29930	F-box/LRR-repeat protein
13426342	2.26	2.87	-1.52	0.138149	0.46568	AT3G10200	putative methyltransferase PMT6
13359646	2.26	3.05	-1.73	0.251488	0.538526	AT1G75960	AMP-dependent synthetase and ligase family protein
13443195	2.26	3.07	-1.75	0.236644	0.530884	AT3G01328	ECA1-like gametogenesis related family protein
13506010	2.26	3.07	-1.75	0.384116	0.597873	AT5G26673	Putative membrane lipoprotein
13533554	2.26	3.08	-1.76	0.483157	0.653825	AT5G39490	F-box protein
13539542	2.26	3.1	-1.8	0.386222	0.598595	AT5G54950	Aconitase family protein
13485189	2.26	3.12	-1.82	0.37071	0.591914	AT4G16040	hypothetical protein
13410319	2.26	3.14	-1.84	0.422946	0.618789	AT2G19320	hypothetical protein

13524780	2.26	3.18	-1.89	0.465919	0.644721	AT5G11360	Interleukin-1 receptor-associated kinase 4 protein
13412493	2.26	3.25	-1.99	0.37947	0.595138	AT2G24681	AP2/B3-like transcriptional factor family protein
13354316	2.26	3.27	-2.01	0.101364	0.435108	AT1G62190	kua-ubiquitin conjugating enzyme hybrid localisation domain-containing protein
13491134	2.26	3.41	-2.22	0.337721	0.577243	AT4G29548	hypothetical protein
13375265	2.26	3.57	-2.49	0.396046	0.603844	AT1G33709	hypothetical protein
13535951	2.26	3.84	-2.99	0.391215	0.600674	CIPK20	CBL-interacting serine/threonine-protein kinase 20
13373342	2.26	3.92	-3.16	0.002483	0.253459	GRX480	glutaredoxin-C9
13445297	2.26	4.11	-3.6	0.283286	0.555894	AT3G05975	Late embryogenesis abundant (LEA) hydroxyproline-rich glycoprotein family
13498059	2.26	4.18	-3.79	0.341456	0.578648	AT5G05657	hypothetical protein
13545499	2.25	2.05	1.15	0.716745	0.813902		
13507802	2.25	2.06	1.14	0.513914	0.674837	AT5G37610	porin family protein
13371891	2.25	2.13	1.09	0.018393	0.321469	AT1G24010	polyketide cyclase/dehydrase and lipid transport-like protein
13451372	2.25	2.12	1.09	0.2845	0.556257	AT3G19550	hypothetical protein
13466900	2.25	2.15	1.08	0.67037	0.781197	AT4G09940	AIG1-like protein
13351426	2.25	2.16	1.06	0.615814	0.743948	AT1G52950	Nucleic acid-binding, OB-fold-like protein
13494643	2.25	2.16	1.06	0.708993	0.808664	MEE69	maternal effect embryo arrest 69 / hydrolase
13365263	2.25	2.17	1.05	0.783318	0.859155	THA1	threonine aldolase
13336838	2.25	2.19	1.04	0.845061	0.902308		
13434601	2.25	2.19	1.04	0.402268	0.607024	AT3G29370	hypothetical protein
13431428	2.25	2.23	1.01	0.842637	0.900849	AT3G21310	Core-2/I-branching beta-1,6-N-acetylglucosaminyltransferase family protein
13475444	2.25	2.26	-1.01	0.936447	0.961543	AT4G30130	hypothetical protein
13484141	2.25	2.26	-1.01	0.940881	0.964571	PAP23	purple acid phosphatase 23
13532817	2.25	2.31	-1.04	0.534837	0.688969	AT5G37030	tRNA-splicing endonuclease positive effector-related protein
13524786	2.25	2.37	-1.09	0.388284	0.599123	AT5G11400	protein kinase family protein
13348569	2.25	2.41	-1.12	0.561114	0.706597	AT1G43010	pentatricopeptide repeat-containing protein
13391030	2.25	2.42	-1.12	0.605841	0.736628	AT2G03010	hypothetical protein
13505995	2.25	2.41	-1.12	0.335934	0.576904	RR24	response regulator 24
13362490	2.25	2.52	-1.2	0.41744	0.61595	AT1G02830	large subunit ribosomal protein L22e
13427868	2.25	2.51	-1.2	0.658028	0.773531	AT3G13820	F-box protein
13432812	2.25	2.53	-1.21	0.408207	0.610585	AT3G24630	hypothetical protein
13487572	2.25	2.57	-1.25	0.080213	0.414375	NDB3	NADH dehydrogenase
13355589	2.25	2.58	-1.26	0.509753	0.671951	RK1	receptor kinase 1
13499924	2.25	2.59	-1.27	0.293191	0.559559	RING1	E3 ubiquitin-protein ligase RING1
13453121	2.25	2.69	-1.36	0.29621	0.561295	AT3G24130	putative pectinesterase 29
13362199	2.25	2.7	-1.37	0.22543	0.524988	AT1G02030	C2H2-like zinc finger protein
13456386	2.25	2.7	-1.37	0.520848	0.679482	AT3G45490	hypothetical protein
13459529	2.25	2.71	-1.37	0.104336	0.4366	AT3G53590	leucine-rich repeat protein kinase-like protein
13504516	2.25	2.71	-1.37	0.197529	0.507784	AT5G22545	hypothetical protein
13400683	2.25	2.72	-1.38	0.106022	0.437796	ATGA2OX3	gibberellin 2-beta-dioxygenase 3
13472909	2.25	2.79	-1.46	0.205856	0.512597	AT4G24420	RNA recognition motif-containing protein

13367272	2.25	2.8	-1.47	0.550194	0.699689	AT1G12960	large subunit ribosomal protein L27Ae
13478307	2.25	2.81	-1.47	0.487773	0.656991	AT4G36170	hypothetical protein
13383991	2.25	2.82	-1.49	0.065196	0.401596	AT1G66500	Pre-mRNA cleavage complex II
13443363	2.25	2.88	-1.54	0.050596	0.380985	PPT2	phosphoenolpyruvate (pep)/phosphate translocator 2
13390651	2.25	2.92	-1.59	0.30422	0.564754	AT2G01920	putative clathrin assembly protein
13337866	2.25	2.94	-1.61	0.184222	0.49884	AT1G09260	Chaperone DnaJ-domain-containing protein
13342071	2.25	2.98	-1.67	0.079175	0.414078	AT1G19040	no apical meristem-domain containing transcriptional regulator
13391231	2.25	3	-1.68	0.478344	0.651289	AT2G03550	alpha/beta-Hydrolase-like protein
13455238	2.25	3	-1.69	0.068364	0.406403	AT3G29720	HXXXD-type acyl-transferase family protein
13509747	2.25	3.07	-1.76	0.417266	0.61589	AT5G42640	zinc finger (C2H2 type) family protein
13400964	2.25	3.1	-1.81	0.107284	0.4394	RPA	ADP-ribosylation factor GTPase-activating protein AGD10
13506322	2.25	3.14	-1.85	0.46217	0.642726	AT5G27170	hypothetical protein
13535452	2.25	3.15	-1.87	0.355968	0.584638	CYP706A3	cytochrome P450, family 706, subfamily A, polypeptide 3
13534562	2.25	3.17	-1.89	0.118024	0.448003	AT5G42490	ATP binding microtubule motor family protein
13437877	2.25	3.18	-1.9	0.031761	0.352572	AT3G50990	peroxidase 36
13375821	2.25	3.19	-1.91	0.473291	0.648252	AT1G36230	hypothetical protein
13471921	2.25	3.2	-1.93	0.012106	0.301412	AT4G21930	hypothetical protein
13475335	2.25	3.2	-1.94	0.172467	0.489773	AT4G29770	hypothetical protein
13396272	2.25	3.25	-2	0.128172	0.458172	CYP81D7	cytochrome P450, family 81, subfamily D, polypeptide 7
13408491	2.25	3.35	-2.14	0.207009	0.5134	AT2G10940	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13483521	2.25	3.43	-2.27	0.146261	0.470765	AT4G12210	RING/U-box domain-containing protein
13507015	2.25	3.59	-2.54	0.226779	0.525438	AT5G29624	cysteine/histidine-rich C1 domain-containing protein
13402585	2.25	3.66	-2.65	0.325667	0.57345	AT2G38900	serine protease inhibitor, potato inhibitor I-type protein
13455660	2.25	3.79	-2.9	0.288237	0.557599	AT3G43170	hypothetical protein
13351365	2.25	3.8	-2.93	0.45611	0.638899	AT1G52770	phototropic-responsive NPH3-like protein
13540565	2.25	3.87	-3.07	0.3952	0.603225	AT5G57567	hypothetical protein
13409150	2.25	3.89	-3.11	0.408834	0.610843	AT2G16018; AT2G16030; AT2G16020; AT2G16019	hypothetical protein; S-adenosyl-L-methionine-dependent methyltransferase-like protein
13485590	2.25	4.08	-3.56	0.337947	0.577309	MES16	pheophorbidase
13455794	2.25	4.76	-5.68	0.331939	0.576244	AT3G43574	hypothetical protein
13431611	2.25	5.35	-8.52	0.235037	0.529694	AT3G21945	putative cysteine-rich repeat secretory protein 23
13392898	2.24	1.98	1.2	0.124605	0.453788	LCR84	defensin-like protein 71
13507098	2.24	2	1.18	0.273753	0.550335	AT5G33355	defensin-like protein 207
13440620	2.24	2.01	1.17	0.456109	0.638899	AT3G57620	glyoxal oxidase-related protein
13376438	2.24	2.03	1.15	0.558883	0.705222	AT1G45163; AT1G45165	hypothetical protein

13377832	2.24	2.04	1.15	0.533031	0.687931	AT1G50280; AT1G50270	phototropic-responsive NPH3-like protein; pentatricopeptide repeat-containing protein
13449594	2.24	2.05	1.14	0.555263	0.703052	TTL2	tetratricopetide-repeat thioredoxin-like 2 protein
13430843	2.24	2.07	1.12	0.007173	0.287967	AT3G20030	putative F-box protein
13456831	2.24	2.1	1.1	0.583794	0.723005	UGT76E12	UDP-glucosyl transferase 76E12
13392906	2.24	2.12	1.09	0.204084	0.511039	AT2G14440	putative leucine-rich repeat protein kinase
13353258	2.24	2.16	1.06	0.535362	0.689353	ZW2	transcription factor-like protein
13382489	2.24	2.16	1.06	0.613165	0.742183	AT1G62935	hypothetical protein
13343173	2.24	2.18	1.05	0.801089	0.871869	AT1G21864	Plant thionin family protein
13455205	2.24	2.18	1.05	0.517789	0.677312	AT3G29580	MATH domain-containing protein
13446964	2.24	2.19	1.04	0.270496	0.548501	AT3G09580	FAD/NAD(P)-binding oxidoreductase domain-containing protein
13394028	2.24	2.2	1.03	0.921166	0.952352	AT2G18010	SAUR-like auxin-responsive protein
13414657	2.24	2.21	1.02	0.821607	0.885852	AT2G29800	putative F-box/kelch-repeat protein
13354323	2.24	2.23	1.01	0.975438	0.985277	AT1G62220	hypothetical protein
13383077	2.24	2.22	1.01	0.956996	0.97466	AT1G64295	F-box associated ubiquitination effector family protein
13392034	2.24	2.28	-1.02	0.886986	0.930765	AT2G06020	myb family transcription factor
13487410	2.24	2.28	-1.02	0.614051	0.742666	AT4G21040	Dof zinc finger protein DOF4.3
13514227	2.24	2.27	-1.02	0.870587	0.919611	AT5G52975	hypothetical protein
13526556	2.24	2.27	-1.02	0.913415	0.947492	AT5G15480	C2H2-type zinc finger family protein
13355935	2.24	2.29	-1.03	0.936556	0.961585		
13450234	2.24	2.28	-1.03	0.444299	0.63204	AT3G16580	F-box/kelch-repeat protein
13481430	2.24	2.28	-1.03	0.840518	0.899507	AT4G03450	ankyrin repeat-containing protein
13347165	2.24	2.31	-1.05	0.521253	0.679824	AT1G32600; AT1G32610	F-box associated ubiquitination effector family protein; hydroxyproline-rich glycoprotein-like protein
13502352	2.24	2.32	-1.05	0.624019	0.749175	AT5G16640	pentatricopeptide repeat-containing protein
13527019	2.24	2.31	-1.05	0.569063	0.711809	BGLU2	putative beta-glucosidase 2
13452477	2.24	2.32	-1.06	0.186379	0.500777	CYCP2;1	cyclin-U1-1
13433130	2.24	2.35	-1.08	0.709506	0.808992	AT3G25550	F-box protein
13505212	2.24	2.35	-1.08	0.622213	0.748231	AT5G24200	alpha/beta-hydrolase domain-containing protein
13488809	2.24	2.4	-1.12	0.638162	0.759076	AT4G24204	RING-finger domain-containing protein
13538628	2.24	2.4	-1.12	0.356966	0.584844	AT5G52330	meprin and TRAF homology domain-containing protein
13385626	2.24	2.44	-1.15	0.537596	0.690758	AT1G70220	anticodon-binding domain-containing protein
13453715	2.24	2.46	-1.16	0.414162	0.614187	AT3G25727	hypothetical protein
13380210	2.24	2.46	-1.17	0.060612	0.396635	AT1G56100	plant invertase/pectin methylesterase inhibitor domain-containing protein
13354345	2.24	2.48	-1.18	0.213108	0.518061	AT1G62333	hypothetical protein
13444758	2.24	2.48	-1.18	0.448669	0.635082	AT3G04990	hypothetical protein
13439196	2.24	2.49	-1.19	0.327243	0.574089	HCEF1	fructose-1,6-bisphosphatase
13506229	2.24	2.53	-1.22	0.45718	0.639333	GATA23	GATA transcription factor 23
13499735	2.24	2.54	-1.23	0.202251	0.510403	AT5G09876	hypothetical protein
13340355	2.24	2.56	-1.24	0.098113	0.433275	SHN1	ethylene-responsive transcription factor WIN1
13488707	2.24	2.57	-1.26	0.144452	0.469521	AT4G23770	hypothetical protein

13451125	2.24	2.58	-1.27	0.489613	0.658198	AT3G19020	Pollen-specific leucine-rich repeat extensin-like protein 1
13480897	2.24	2.59	-1.28	0.142836	0.468772	AT4G02325	hypothetical protein
13399262	2.24	2.61	-1.29	0.078918	0.414078	AT2G31220	transcription factor bHLH10
13499601	2.24	2.61	-1.29	0.096582	0.43273	AT5G09550	RAB GDP-dissociation inhibitor
13483742	2.24	2.62	-1.31	0.091638	0.428831	AT4G12820	putative F-box/kelch-repeat protein
13345277	2.24	2.65	-1.33	0.464848	0.643987	AT1G27710	Glycine-rich protein family
13347117	2.24	2.68	-1.35	0.201799	0.510189	IDH-IV	isocitrate dehydrogenase (NAD+)
13350865	2.24	2.67	-1.35	0.224518	0.524988	AT1G51538	Aminotransferase-like, plant mobile domain family protein
13355862	2.24	2.67	-1.35	0.482249	0.653461	ABO3	putative WRKY transcription factor 63
13433945	2.24	2.67	-1.35	0.350812	0.582019	UKL5	putative uracil phosphoribosyltransferase
13506549	2.24	2.68	-1.35	0.514289	0.675034	AT5G27606	hypothetical protein
13476735	2.24	2.7	-1.38	0.213903	0.518299	SCRL25	putative defensin-like protein 231
13448919	2.24	2.73	-1.41	0.531357	0.687067	sks11	protein SKU5-like 11
13523971	2.24	2.77	-1.44	0.275457	0.550666	AT5G09711	hypothetical protein
13535440	2.24	2.78	-1.45	0.03748	0.360894		
13442179	2.24	2.77	-1.45	0.328352	0.574416	AT3G61290	hypothetical protein
13535992	2.24	2.78	-1.45	0.562439	0.707644	AT5G45910	GDSL esterase/lipase
13370064	2.24	2.8	-1.47	0.030518	0.350098	AT1G19500	hypothetical protein
13532971	2.24	2.82	-1.49	0.298345	0.562461	AT5G37474	defensin-like protein 276
13440623	2.24	2.82	-1.5	0.149191	0.472024		
13511654	2.24	2.83	-1.51	0.631236	0.75451	AT5G47350	palmitoyl protein thioesterase family protein
13449710	2.24	2.84	-1.52	0.029437	0.348027	SPL5	squamosa promoter-binding-like protein 5
13450125	2.24	2.86	-1.53	0.354919	0.584465	NDF4; DELTA-TIP	NDH-dependent cyclic electron flow 1; aquaporin TIP2-1
13531122	2.24	2.96	-1.64	0.081747	0.416797	AT5G26100	hypothetical protein
13398356	2.24	2.99	-1.68	0.309933	0.566973	AT2G28625	hypothetical protein
13495742	2.24	3.02	-1.72	0.385158	0.598088	CYP96A12	cytochrome P450, family 96, subfamily A, polypeptide 12
13383885	2.24	3.03	-1.73	0.163278	0.484932	AT1G66235	hypothetical protein
13428265	2.24	3.04	-1.73	0.34822	0.580705	AT3G14730; AT3G14740	pentatricopeptide repeat-containing protein; RING/FYVE/PHD zinc finger-containing protein
13342927	2.24	3.07	-1.78	0.266483	0.546291	AT1G21323	hypothetical protein
13396935	2.24	3.12	-1.84	0.201205	0.510163	LCR14	putative defensin-like protein 137
13517784	2.24	3.19	-1.94	0.393644	0.602362	AACT1	anthocyanin 5-aromatic acyltransferase 1
13353968	2.24	3.22	-1.98	0.04134	0.367619	AT1G61165	hypothetical protein
13408463	2.24	3.24	-1.99	0.163628	0.485314	AT2G10550	hypothetical protein
13489899	2.24	3.23	-1.99	0.274088	0.550583	AT4G26485	hypothetical protein
13538740	2.24	3.24	-1.99	0.279679	0.553836	AT5G52610	putative F-box protein
13337396	2.24	3.34	-2.14	0.222051	0.52324	YAB2	putative axial regulator YABBY 2
13436583	2.24	3.34	-2.16	0.406593	0.609612	ATH4	ABC transporter A family member 5
13407656	2.24	3.54	-2.47	0.27101	0.548723	AT2G04070	MATE efflux family protein
13495237	2.24	3.75	-2.85	0.282298	0.555404	AT4G38405	hypothetical protein
13431346	2.24	3.88	-3.11	0.270293	0.548453	AT3G21120	putative F-box protein
13455349	2.24	4.66	-5.35	0.430091	0.623077	AT3G30768	hypothetical protein
13462510	2.23	1.71	1.43	0.134763	0.463251	AT3G60540	Preprotein translocase Sec, Sec61-beta subunit protein
13442463	2.23	1.83	1.32	0.056207	0.38881		

13447072	2.23	1.98	1.19	0.317933	0.569524	AT3G09870	SAUR-like auxin-responsive protein
13372631	2.23	2.12	1.08	0.667865	0.779358	AT1G26400	FAD-binding and BBE domain-containing protein
13474433	2.23	2.14	1.06	0.828551	0.891088	AT4G27890	HSP20-like chaperone
13514629	2.23	2.17	1.04	0.885699	0.930155	AT5G53720	RNA recognition motif-containing protein
13501829	2.23	2.2	1.02	0.201779	0.510189	AT5G15430	calmodulin-binding protein-like protein
13406973	2.23	2.25	-1.01	0.960452	0.976578	AT2G01790	TRAF-like family protein
13505226	2.23	2.24	-1.01	0.974477	0.985024	AT5G24220	lipase class 3-related protein
13462756	2.23	2.26	-1.02	0.869069	0.918628		
13531436	2.23	2.27	-1.03	0.75435	0.839234	AT5G27290; AT5G27280	putative stress regulated protein; Zim17-type zinc finger protein
13374015	2.23	2.29	-1.04	0.799997	0.871171	INT2	putative inositol transporter 2
13391834	2.23	2.3	-1.05	0.463754	0.643345	AT2G05420	TRAF-like family protein
13416714	2.23	2.31	-1.05	0.755229	0.839887	AT2G34290	protein kinase family protein
13411256	2.23	2.33	-1.07	0.831271	0.89304	AT2G21200	SAUR-like auxin-responsive protein
13350607	2.23	2.34	-1.08	0.860036	0.912691	AT1G51000	hypothetical protein
13433243	2.23	2.37	-1.11	0.587119	0.72546	AOC1	allene oxide cyclase 1
13375765	2.23	2.42	-1.14	0.651654	0.768916	TOC75-I	translocon outer membrane complex 75-I
13409148	2.23	2.42	-1.14	0.231093	0.527791	AT2G16016	hypothetical protein
13536255	2.23	2.42	-1.14	0.815159	0.881796	AT5G46417	hypothetical protein
13375952	2.23	2.44	-1.16	0.681283	0.788759	AT1G40083	hypothetical protein
13422020	2.23	2.49	-1.2	0.543998	0.694962	AT2G46493	RING/U-box family protein
13444085	2.23	2.5	-1.2	0.427988	0.622047	AT3G03410	putative calcium-binding protein CML34
13443133	2.23	2.51	-1.21	0.006714	0.285606	AT3G01270	putative pectate lyase 7
13359585	2.23	2.52	-1.22	0.537247	0.690527	AT1G75890	GDSL esterase/lipase EXL2
13436303	2.23	2.51	-1.22	0.112171	0.443327	AT3G47030	F-box protein
13455215	2.23	2.53	-1.23	0.701976	0.803803	AT3G29633	hypothetical protein
13531031	2.23	2.54	-1.24	0.576709	0.717121	AT5G25860	putative F-box/LRR-repeat protein
13434504	2.23	2.56	-1.26	0.500758	0.665461	AT3G29070	emp24/gp25L/p24 family/GOLD domain-containing protein
13454907	2.23	2.56	-1.26	0.366065	0.590066	AT3G28810	hypothetical protein
13436061	2.23	2.57	-1.27	0.046416	0.377124	AT3G46350	Leucine-rich repeat protein kinase family protein
13531111	2.23	2.58	-1.28	0.061078	0.39761	AT5G26050	self-incompatibility S1 family protein
13474273	2.23	2.61	-1.3	0.147119	0.471054	AT4G27530; PRA1.H	hypothetical protein; PRA1-like protein H
13396264	2.23	2.63	-1.32	0.382734	0.597148	AT2G23149	hypothetical protein
13411819	2.23	2.66	-1.34	0.258371	0.541251	AT2G22890	Kua-ubiquitin conjugating enzyme hybrid localisation domain-containing protein
13468322	2.23	2.67	-1.36	0.021572	0.325381	AT4G13955	putative defensin-like protein 88
13362395	2.23	2.68	-1.36	0.567106	0.710926	TPK4	Outward rectifying potassium channel protein
13367222	2.23	2.68	-1.37	0.216922	0.520001	AT1G12870	F-box and associated interaction domains-containing protein
13497438	2.23	2.68	-1.37	0.382328	0.597016	AT5G04380	S-adenosyl-L-methionine-dependent methyltransferase-like protein
13372331	2.23	2.77	-1.45	0.19904	0.508467	AT1G25440	zinc finger protein CONSTANS-LIKE 16
13522142	2.23	2.79	-1.47	0.24784	0.536315	AT5G04980	endonuclease/exonuclease/phosphatase domain-containing protein
13412582	2.23	2.79	-1.48	0.173049	0.490366	AT2G24880	self-incompatibility S1 family protein

13527275	2.23	2.84	-1.52	0.255844	0.540327	AT5G17150	cystatin-related protein
13529784	2.23	2.83	-1.52	0.352823	0.583317	AT5G23212	putative defensin-like protein 271
13399736	2.23	2.86	-1.55	0.289507	0.558031	AT2G32275	hypothetical protein
13427017	2.23	2.87	-1.56	0.057695	0.39275	AT3G11920	glutaredoxin-related protein
13458729	2.23	2.9	-1.59	0.508586	0.671369	LTP12	non-specific lipid-transfer protein 12
13432493	2.23	2.96	-1.65	0.057248	0.392016	XTH16	xyloglucan:xyloglucosyl transferase
13426496	2.23	2.96	-1.66	0.274961	0.550583	AT3G10470	C2H2-type zinc finger protein
13405029	2.23	2.98	-1.68	0.180271	0.495833	ARAC9	Rac-like GTP-binding protein ARAC9
13365068	2.23	3.01	-1.72	0.084068	0.417971	CHX6B	cation/H+ exchanger 6B
13468147	2.23	3.02	-1.73	0.414121	0.614187	MEE56	protein maternal effect embryo arrest 56
13347049	2.23	3.02	-1.74	0.409287	0.610961	AT1G32337	hypothetical protein
13441758	2.23	3.07	-1.79	0.309619	0.566861	AT3G60420	Phosphoglycerate mutase family protein
13339502	2.23	3.08	-1.8	0.392006	0.601272	ESR1	ethylene-responsive transcription factor ESR1
13530216	2.23	3.11	-1.84	0.322474	0.57165		
13534061	2.23	3.11	-1.85	0.337103	0.577005	FLA20	putative fasciclin-like arabinogalactan protein 20
13441108	2.23	3.21	-1.97	0.389369	0.599704	TT12	protein TRANSPARENT TESTA 12
13401439	2.23	3.26	-2.03	0.253866	0.539549	AT2G36260	Iron-sulfur assembly protein IscA-like 3
13450507	2.23	3.25	-2.03	0.38714	0.598595	AT3G17320	F-box protein
13493331	2.23	3.31	-2.13	0.301816	0.563858	AT4G34070	Calcium-binding EF-hand family protein
13397642	2.23	3.36	-2.19	0.112054	0.443327	AT2G26975	Ctr copper transporter family
13500754	2.23	3.77	-2.9	0.219054	0.52121	AT5G12460	hypothetical protein
13471626	2.23	3.84	-3.04	0.401945	0.606941	AT4G21445	hypothetical protein
13462624	2.23	3.99	-3.39	0.337406	0.577005	AT3G60940	Putative endonuclease or glycosyl hydrolase
13528161	2.23	4.11	-3.67	0.046975	0.377465	APL1	glucose-1-phosphate adenylyltransferase large subunit 1
13390866	2.23	4.69	-5.51	0.276977	0.55162	AT2G02498	hypothetical protein
13414539	2.23	5.33	-8.6	0.388672	0.599253	AT2G29452	hypothetical protein
13522789	2.23	5.65	-10.7	0.029845	0.349787	AT5G06630	proline-rich extensin-like family protein
13487623	2.22	1.81	1.33	0.053832	0.3842		
13496119	2.22	1.95	1.21	0.200986	0.510017	AT5G01440	hypothetical protein
13524239	2.22	1.98	1.18	0.039772	0.365591	DOT3	Phototropic-responsive NPH3 family protein
13457629	2.22	2	1.16	0.411079	0.612355	AT3G48970	heavy metal transport/detoxification domain-containing protein
13534556	2.22	2	1.16	0.279342	0.553724	AT5G42430	putative F-box protein
13534754	2.22	2	1.16	0.179966	0.495546	AT5G42957	hypothetical protein
13437035	2.22	2.06	1.12	0.287564	0.557153	AT3G48490	hypothetical protein
13539242	2.22	2.07	1.11	0.293375	0.559559	AT5G54095	hypothetical protein
13527271	2.22	2.08	1.1	0.074975	0.410503	AT5G17120	cystatin-related protein
13403429	2.22	2.1	1.09	0.773653	0.852414		
13336342	2.22	2.11	1.08	0.73774	0.828049	AT1G05894	hypothetical protein
13496276	2.22	2.1	1.08	0.800322	0.871352	AT5G01740	Nuclear transport factor 2 (NTF2) family protein
13510989	2.22	2.11	1.07	0.548676	0.698597	FKBP13	FKBP-type peptidyl-prolyl cis-trans isomerase 3
13338883	2.22	2.14	1.06	0.596157	0.730482	AT1G11608	F-box associated ubiquitination effector family protein
13398806	2.22	2.13	1.06	0.523313	0.681327	PDR3	ABC transporter G family member 31
13355504	2.22	2.18	1.03	0.818871	0.88411	FT	protein FLOWERING LOCUS T

13472072	2.22	2.18	1.03	0.885254	0.930026	AT4G22440	hypothetical protein
13526476	2.22	2.21	1.01	0.874348	0.922298	AT5G15300	pentatricopeptide repeat-containing protein
13427392	2.22	2.25	-1.02	0.654858	0.771105	AT3G12915	Ribosomal protein S5/Elongation factor G/III/V family protein
13383929	2.22	2.28	-1.04	0.85715	0.910677	AT1G66290	putative F-box/FBD/LRR-repeat protein
13440690	2.22	2.27	-1.04	0.544736	0.695514	AT3G57750	putative protein kinase
13349049	2.22	2.31	-1.06	0.841739	0.900344	AT1G45403	membrane protein
13360956	2.22	2.31	-1.06	0.625836	0.750499	AT1G79130	SAUR-like auxin-responsive protein
13424547	2.22	2.32	-1.07	0.564124	0.708825	MIRO3	MIRO-related GTP-ase 3
13419562	2.22	2.34	-1.09	0.585698	0.724203	CXXS2	thioredoxin-like protein CXXS2
13407385	2.22	2.35	-1.1	0.548816	0.698641	AT2G03040	emp24/gp25L/p24 family/GOLD domain-containing protein
13356539	2.22	2.38	-1.11	0.179138	0.494684	APRR6	pseudo-response regulator 6
13440111	2.22	2.37	-1.11	0.451153	0.635863	AT3G56180	hypothetical protein
13533040	2.22	2.37	-1.11	0.471056	0.647348	AT5G37650	hypothetical protein
13350832	2.22	2.39	-1.12	0.479443	0.651792	BGLU36	beta glucosidase 36
13352636	2.22	2.38	-1.12	0.306165	0.56539	AT1G55650	high mobility group-box and ARID domain-binding domain-containing protein
13463251	2.22	2.39	-1.12	0.107852	0.439862	AT3G62336	hypothetical protein
13483662	2.22	2.39	-1.12	0.45361	0.637284	ORC1B	origin of replication complex 1B
13386151	2.22	2.4	-1.13	0.504834	0.668458	PAB5; AT1G71760	Polyadenylate-binding protein 5; hypothetical protein
13419629	2.22	2.4	-1.13	0.054598	0.386003	AT2G40910	F-box protein
13436882	2.22	2.4	-1.13	0.120014	0.451127	AT3G48209	Plant thionin family protein
13427705	2.22	2.42	-1.15	0.255474	0.540321	MYB5	transcription repressor MYB5
13483986	2.22	2.42	-1.15	0.617093	0.7448	ATCSLA15	putative mannan synthase 15
13339802	2.22	2.46	-1.18	0.020753	0.324125	SNAP30	synaptosomal-associated protein, 29kDa
13385968	2.22	2.45	-1.18	0.415002	0.614247	KCS7	3-ketoacyl-CoA synthase 7
13481929	2.22	2.46	-1.18	0.75155	0.837227	AT4G05265	hypothetical protein
13497443	2.22	2.46	-1.18	0.555732	0.703169	AT5G04386	hypothetical protein
13470626	2.22	2.53	-1.25	0.165486	0.485944	AG	MADS-box transcription factor
13386978	2.22	2.54	-1.26	0.04885	0.377942	AT1G73700	mate efflux-like protein
13395678	2.22	2.58	-1.28	0.10465	0.437012	AT2G21810	Cysteine/Histidine-rich C1 domain family protein
13541577	2.22	2.58	-1.28	0.351984	0.582786	AT5G60070	ankyrin repeat-containing protein
13350654	2.22	2.6	-1.3	0.416836	0.61571	AT1G51110	putative plastid-lipid-associated protein 12
13457584	2.22	2.6	-1.31	0.189695	0.50336	AT3G48840	RNA-binding (RRM/RBD/RNP motifs) family protein
13400044	2.22	2.64	-1.33	0.440394	0.629862	AT2G32785	hypothetical protein
13532240	2.22	2.64	-1.34	0.336363	0.576994	AT5G35526	hypothetical protein
13466115	2.22	2.65	-1.35	0.092517	0.429659	AT4G06490	hypothetical protein
13543401	2.22	2.67	-1.36	0.469554	0.646573	AT5G64540	hypothetical protein
13468788	2.22	2.69	-1.38	0.209417	0.514771	AT4G15060	hypothetical protein
13504201	2.22	2.7	-1.4	0.137238	0.46568	AT5G21110	hypothetical protein
13472575	2.22	2.81	-1.5	0.140975	0.467457	AT4G23882	heavy metal transport/detoxification domain-containing protein
13429098	2.22	2.82	-1.52	0.001191	0.242634	AHP4	histidine-containing phosphotransfer protein 4
13455295	2.22	2.82	-1.52	0.274835	0.550583	CYP702A8	cytochrome P450, family 702, subfamily A, polypeptide 8

13488591	2.22	2.87	-1.57	0.017757	0.319218	SP1L5	protein SPIRAL1-like5
13371112	2.22	2.88	-1.58	0.023808	0.331326	AT1G22080	Peptidase-C1 domain-containing protein
13382067	2.22	2.95	-1.65	0.089074	0.425896	AT1G61710	cysteine/histidine-rich C1 domain-containing protein
13345057	2.22	3.03	-1.74	0.436827	0.627744	AT1G27270	paired amphipathic helix repeat-containing protein
13394813	2.22	3.1	-1.83	0.266462	0.546291	AT2G19890	hypothetical protein
13487034	2.22	3.16	-1.92	0.139674	0.466238	AT4G19820	Glycosyl hydrolase family protein with chitinase insertion domain
13454859	2.22	3.18	-1.94	0.017187	0.319147	AT3G28680	Serine carboxypeptidase S28 family protein
13391255	2.22	3.34	-2.18	0.0344	0.355201	UPS3	ureide permease 3
13403996	2.22	3.35	-2.19	0.156644	0.479425	AT2G42150	DNA-binding bromodomain-containing protein
13493356	2.22	3.42	-2.3	0.134328	0.463251	UGT73B3	UDP-glucosyl transferase 73B3
13428331	2.22	3.43	-2.32	0.305604	0.565001	SPP2	putative sucrose-phosphatase 3b
13459076	2.22	3.43	-2.32	0.305604	0.565001	SPP2	putative sucrose-phosphatase 3b
13443651	2.22	3.49	-2.41	0.477921	0.650992	TBL20	protein trichome birefringence-like 20
13532590	2.22	3.57	-2.54	0.468084	0.645611	AT5G36280	hypothetical protein
13375883	2.22	3.8	-2.98	0.309576	0.566861	AT1G36970	hypothetical protein
13335107	2.22	4.2	-3.96	0.153578	0.476521	AT1G03022	hypothetical protein
13513055	2.22	4.43	-4.64	0.01811	0.319749	AT5G50260	putative cysteine proteinase
13532592	2.22	4.8	-5.98	0.388523	0.599123	AT5G36310; AT5G36340; AT5G36550	ECA1 gametogenesis related family protein
13532598	2.22	4.8	-5.98	0.388523	0.599123	AT5G36310; AT5G36340; AT5G36550	ECA1 gametogenesis related family protein
13396817	2.22	7.39	-36.14	0.004255	0.262292	AT2G24980	Proline-rich extensin-like family protein
13342019	2.21	1.65	1.47	0.138564	0.46568		
13347525	2.21	1.9	1.23	0.146078	0.470765	CYP76C5	cytochrome P450, family 76, subfamily C, polypeptide 5
13504792	2.21	1.93	1.21	0.17195	0.489644	AT5G23180	hypothetical protein
13472287	2.21	1.99	1.16	0.309187	0.566695	AT4G23110	insulin-like growth factor binding protein
13341105	2.21	2.01	1.15	0.193862	0.505856	AT1G16960	Ubiquitin domain-containing protein
13482577	2.21	2.03	1.13	0.199359	0.508728	AT4G09780	TRAF-like family protein
13395594	2.21	2.07	1.1	0.38657	0.598595	AT2G21655	hypothetical protein
13496416	2.21	2.15	1.05	0.797159	0.869498	CYCD7;1	cyclin D7-1
13452459	2.21	2.15	1.04	0.815046	0.881773	SK7	S-phase kinase-associated protein 1
13339689	2.21	2.18	1.02	0.926611	0.955765	AT1G13608	putative defensin-like protein 288
13432722	2.21	2.18	1.02	0.896667	0.936413	AT3G24330	O-Glycosyl hydrolases family 17 protein
13449386	2.21	2.18	1.02	0.891413	0.933306	AT3G14250	RING/U-box domain-containing protein
13510428	2.21	2.19	1.01	0.908447	0.944338	AT5G44345	F-box associated ubiquitination effector family protein
13385909	2.21	2.22	-1.01	0.974939	0.985176	AT1G71000	chaperone DnaJ-domain containing protein
13424916	2.21	2.23	-1.02	0.975266	0.985277	AT3G06142	hypothetical protein
13424071	2.21	2.27	-1.04	0.795973	0.868569	AT3G04320	Kunitz family trypsin and protease inhibitor protein
13457056	2.21	2.27	-1.04	0.55348	0.701834	AT3G47190	oxidoreductase, 2OG-Fe(II) oxygenase family protein
13357561	2.21	2.28	-1.05	0.67075	0.781511	AT1G70680	Caleosin-related family protein

13450643	2.21	2.28	-1.05	0.836833	0.896959	AT3G17620	putative F-box protein
13340168	2.21	2.3	-1.06	0.657604	0.773223	AT1G14755	defensin-like protein 201
13491993	2.21	2.31	-1.07	0.206845	0.513335	AT4G31520	SDA1 family protein
13415445	2.21	2.32	-1.08	0.58994	0.726928	DOR	F-box protein DOR
13514088	2.21	2.32	-1.08	0.740692	0.829625	AT5G52670	putative copper transport protein
13500706	2.21	2.33	-1.09	0.52841	0.685279	AT5G12236	hypothetical protein
13465664	2.21	2.37	-1.12	0.291585	0.559317	CRK37	cysteine-rich receptor-like protein kinase 37
13508348	2.21	2.39	-1.13	0.543025	0.69434	AT5G39370	curculin-like (mannose-binding) lectin family protein
13350511	2.21	2.42	-1.16	0.64176	0.761281	AT1G50732	hypothetical protein
13441238	2.21	2.43	-1.16	0.449588	0.635309	AT3G59260	putative pirin
13411091	2.21	2.47	-1.19	0.083352	0.417856	ULT2	protein ULTRAPETALA 2
13451390	2.21	2.46	-1.19	0.297269	0.56231	AT3G19600	haloacid dehalogenase-like hydrolase domain-containing protein
13387762	2.21	2.51	-1.24	0.060061	0.395762	AT1G75620	glyoxal oxidase-related protein
13388813	2.21	2.53	-1.25	0.449771	0.635419	AT1G77960; AGL67	hypothetical protein; protein agamous-like 67
13424313	2.21	2.54	-1.25	0.481645	0.65295	AT3G04854	hypothetical protein
13380945	2.21	2.55	-1.26	0.219447	0.521515	RXF26	GDSL esterase/lipase
13400777	2.21	2.56	-1.27	0.231496	0.528164	AT2G34740	protein phosphatase 2C-like protein
13354330	2.21	2.58	-1.29	0.211793	0.517231	AT1G62270	uutative F-box/kelch-repeat protein
13405141	2.21	2.58	-1.29	0.283075	0.555666	CCD7	carotenoid cleavage dioxygenase 7
13506913	2.21	2.58	-1.29	0.464069	0.643501	AT5G28610	hypothetical protein
13472901	2.21	2.6	-1.31	0.128826	0.458836	AT4G24410	hypothetical protein
13385435	2.21	2.61	-1.32	0.040812	0.366125	AT1G69730	wall-associated receptor kinase-like 9
13338997	2.21	2.6	-1.32	0.505493	0.668944	AT1G11810	F-box associated ubiquitination effector protein
13354420	2.21	2.68	-1.39	0.384259	0.597873	AT1G62580	flavin-containing monooxygenase-like protein
13380972	2.21	2.7	-1.4	0.346844	0.58045	AT1G58725; AT1G59406; AT1G59030; RXW8; AT3G43550	GDSL-like lipase/acylhydrolase domain-containing protein; GDSL esterase/lipase; lipase/hydrolase
13381004	2.21	2.7	-1.4	0.346844	0.58045	AT1G58725; AT1G59406; AT1G59030; RXW8; AT3G43550	GDSL-like lipase/acylhydrolase domain-containing protein; GDSL esterase/lipase; lipase/hydrolase
13382307	2.21	2.74	-1.44	0.355735	0.584602	ALE1	PA-domain containing subtilase-like protein
13371513	2.21	2.76	-1.46	0.103243	0.435922	AT1G23110	hypothetical protein
13420908	2.21	2.76	-1.46	0.461243	0.642085	AT2G43730	jacalin-like lectin domain-containing protein
13487839	2.21	2.81	-1.52	0.298781	0.562461	AT4G22090	putative pectate lyase 17
13450489	2.21	2.85	-1.55	0.065649	0.402488	AT3G17270	F-box protein
13457860	2.21	2.84	-1.55	0.447529	0.634338	AT3G49480	F-box/LRR-repeat protein
13384147	2.21	2.85	-1.56	0.044086	0.373701	SVL2	putative glycerophosphoryl diester phosphodiesterase 3
13377457	2.21	2.88	-1.59	0.288073	0.55756	AT1G49610	F-box domain-containing protein
13451896	2.21	2.88	-1.59	0.450741	0.635828	AT3G20690	F-box protein
13529143	2.21	2.88	-1.6	0.236216	0.530423	AT5G21960	ethylene-responsive transcription factor ERF016
13501005	2.21	2.91	-1.63	0.364745	0.589444	AT5G13380	auxin-responsive GH3 family protein
13482987	2.21	2.93	-1.64	0.285206	0.556339	AT4G10820	F-box family protein

13539049	2.21	2.93	-1.66	0.070128	0.406528	AT5G53490	thylakoid lumenal protein
13373213	2.21	2.97	-1.69	0.338685	0.577413	PUP3	purine permease 3
13436924	2.21	2.98	-1.71	0.517587	0.677142	CYP71A22	cytochrome P450 71A22
13396678	2.21	3	-1.73	0.493065	0.660386	AT2G24480	C3HC4-type RING finger domain-containing protein
13413434	2.21	3	-1.73	0.075009	0.410503	AT2G26850	F-box protein
13536393	2.21	3.02	-1.75	0.066258	0.403288	AT5G46990	plant invertase/pectin methylesterase inhibitor domain-containing protein
13479900	2.21	3.06	-1.8	0.286235	0.556958	IND	transcription factor IND
13531987	2.21	3.06	-1.81	0.258229	0.541251	AT5G32460	Transcriptional factor B3 family protein
13439640	2.21	3.09	-1.84	0.365144	0.589672	NAC063	NAC domain containing protein 63
13514093	2.21	3.08	-1.84	0.116695	0.446833	AT5G52680	copper transport family protein
13392800	2.21	3.13	-1.89	0.42085	0.617641	AT2G13900	cysteine/histidine-rich C1 domain-containing protein
13474883	2.21	3.23	-2.03	0.04323	0.37143	AT4G28740	hypothetical protein
13375472	2.21	3.36	-2.23	0.360369	0.587053		
13454764	2.21	3.39	-2.26	0.394786	0.60291	AT3G28410	F-box domain-containing protein
13507146	2.21	3.42	-2.32	0.345753	0.58045	AT5G34887; AT5G34881; AT5G34905; AT5G34883; AT5G34882; AT5G34885	hypothetical protein
13470776	2.21	3.63	-2.67	0.10039	0.434607	AT4G19360	SCD6-related protein
13354098	2.21	3.78	-2.97	0.012152	0.301412	LHCA3	light-harvesting complex I chlorophyll a/b binding protein 3
13426555	2.21	3.82	-3.06	0.204126	0.511039	UNE9	cytochrome P450 protein UNE9
13499197	2.21	4.66	-5.46	0.405491	0.609078	AT5G08391	hypothetical protein
13354894	2.2	1.91	1.22	0.509764	0.671951	AT1G63950	heavy-metal-associated domain-containing protein
13530771	2.2	1.94	1.2	0.640867	0.76056	CYP71B14	cytochrome P450 71B14
13346555	2.2	1.97	1.17	0.444268	0.63204	AT1G30972	Plant thionin family protein
13461570	2.2	1.99	1.16	0.119644	0.450622	AT3G58380	TRAF-like family protein
13400166	2.2	2.13	1.05	0.602611	0.733926	AT2G33190	putative F-box protein
13373554	2.2	2.14	1.04	0.854289	0.908505	AT1G29090	cysteine proteinase-like protein
13412787	2.2	2.14	1.04	0.705079	0.805905	AT2G25409; AT2G25410	hypothetical protein; RING-H2 finger protein ATL22
13473766	2.2	2.15	1.04	0.688349	0.793804	MIOX4	inositol oxygenase 4
13393376	2.2	2.16	1.03	0.820752	0.885451	AT2G16586	hypothetical protein
13430259	2.2	2.16	1.03	0.935135	0.960886		
13483906	2.2	2.18	1.02	0.941392	0.964887	AT4G13266	hypothetical protein
13527253	2.2	2.18	1.02	0.83289	0.894342	AT5G17090	cystatin-related protein
13507473	2.2	2.18	1.01	0.728142	0.82188	AT5G36080	hypothetical protein
13374313	2.2	2.23	-1.02	0.892002	0.933616	AT1G30930	F-box domain-containing protein
13507952	2.2	2.22	-1.02	0.940966	0.964588	AT5G38120	4-coumarate--CoA ligase-like 8
13482225	2.2	2.25	-1.03	0.802079	0.872401	AT4G08406	hypothetical protein
13541809	2.2	2.25	-1.04	0.816456	0.882698	RGF1	root meristem growth factor 1
13392531	2.2	2.27	-1.05	0.38833	0.599123	AT2G11405	hypothetical protein
13525051	2.2	2.27	-1.05	0.85171	0.90648	AT5G12000	Protein kinase protein with adenine nucleotide alpha hydrolases-like domain

13366589	2.2	2.28	-1.06	0.508297	0.671222	AT1G11112	hypothetical protein
13441096	2.2	2.28	-1.06	0.650844	0.768056	AT3G58920	putative F-box/LRR-repeat protein
13511066	2.2	2.28	-1.06	0.772069	0.851495	CHLI2; NUDT11	magnesium chelatase subunit I; nudix hydrolase 11
13341970	2.2	2.31	-1.08	0.357189	0.584844	AT1G18830	transducin/WD-40 repeat-containing protein
13353902	2.2	2.31	-1.08	0.584239	0.72316	SCRL4	defensin-like protein 245
13393887	2.2	2.31	-1.08	0.727128	0.821047	AT2G17680	hypothetical protein
13454929	2.2	2.33	-1.09	0.560345	0.70625	RLP43	receptor like protein 43
13348010	2.2	2.36	-1.11	0.345879	0.58045	AGP5	arabinogalactan protein 5
13423553	2.2	2.35	-1.11	0.082668	0.417856	MYB107	myb domain protein 107
13341548	2.2	2.38	-1.13	0.186538	0.500853	ENODL22	early nodulin-like protein 22
13376578	2.2	2.38	-1.13	0.163964	0.485532	AT1G47280	hypothetical protein
13457435	2.2	2.4	-1.15	0.135578	0.464768	AT3G48220	hypothetical protein
13513241	2.2	2.4	-1.15	0.412458	0.61329	AT5G50830	hypothetical protein
13456847	2.2	2.43	-1.17	0.291295	0.559173	AT3G46690	UDP-glycosyltransferase-like protein
13428478	2.2	2.45	-1.19	0.428083	0.62209	AT3G15111	hypothetical protein
13346128	2.2	2.46	-1.2	0.048141	0.37767	AT1G30160	hypothetical protein
13500866	2.2	2.46	-1.2	0.329967	0.575334	AT5G13130; AT5G13140	histidine kinase-like ATPase domain-containing protein; Pollen Ole e 1 allergen and extensin family protein
13531115	2.2	2.47	-1.2	0.394561	0.602829	AT5G26060	self-incompatibility S1 family protein
13430918	2.2	2.48	-1.22	0.231054	0.527788	AT3G20155	hypothetical protein
13436543	2.2	2.5	-1.23	0.313165	0.567941	SRO4; ABCA2	RCD one 4-like protein; ABC transporter A family member 2
13383709	2.2	2.51	-1.24	0.387712	0.598939	FMO GS-OX1	flavin-containing monooxygenase FMO GS-OX1
13406978	2.2	2.52	-1.24	0.521733	0.680169	AT2G01800	COP1-interacting protein-like protein
13515785	2.2	2.52	-1.25	0.036149	0.358273	PUM12	pumilio 12
13396217	2.2	2.53	-1.25	0.139522	0.466238	AT2G23067	Putative membrane lipoprotein
13497214	2.2	2.53	-1.26	0.38708	0.598595	AT5G03930	hypothetical protein
13509369	2.2	2.54	-1.27	0.244103	0.534773	AT5G41908	hypothetical protein
13443607	2.2	2.57	-1.29	0.141306	0.467756	AT3G02270	translation initiation factor eIF-2B epsilon subunit
13375289	2.2	2.63	-1.34	0.160708	0.483101	AT1G33840	hypothetical protein
13382563	2.2	2.62	-1.34	0.113969	0.444968	AT1G63080	pentatricopeptide repeat-containing protein
13386681	2.2	2.63	-1.35	0.09981	0.434356	AT1G73120	hypothetical protein
13472086	2.2	2.65	-1.36	0.015682	0.315212	AT4G22560	hypothetical protein
13403945	2.2	2.64	-1.36	0.31383	0.568024	AT2G41930	protein kinase domain-containing protein
13362996	2.2	2.68	-1.4	0.069929	0.406504	AT1G03982	PAK-box/P21-Rho-binding family protein
13407992	2.2	2.69	-1.4	0.383622	0.597744	AT2G05500	hypothetical protein
13376854	2.2	2.69	-1.41	0.031513	0.352126	AT1G48145	hypothetical protein
13367067	2.2	2.7	-1.42	0.203847	0.511039	OZS1	C4-dicarboxylate transporter/malic acid transport protein
13375967	2.2	2.71	-1.42	0.228514	0.526319	AT1G41820	hypothetical protein
13380988	2.2	2.71	-1.42	0.34654	0.58045	AT1G58725; AT1G59030; AT1G59406; RXW8; AT3G43550	GDSL-like lipase/acylhydrolase domain-containing protein; GDSL esterase/lipase; lipase/hydrolase
13384363	2.2	2.71	-1.42	0.284251	0.556108		

13510453	2.2	2.75	-1.46	0.121428	0.452303	AT5G44490	FBD, F-box, Skp2-like and leucine rich repeat domain-containing protein
13349323	2.2	2.8	-1.51	0.366745	0.590246	AT1G47610	WD40 domain-containing protein
13504979	2.2	2.79	-1.51	0.405235	0.609014	AT5G23650	Homeodomain-like transcriptional regulator
13378545	2.2	2.82	-1.53	0.075817	0.410503	AT1G52130	mannose-binding lectin-like protein
13386489	2.2	2.84	-1.56	0.046438	0.377124	AT1G72580	hypothetical protein
13448433	2.2	2.86	-1.58	0.134392	0.463251	AT3G12545; AT3G12550	lipid transfer protein-like protein; XH/XS domain-containing protein
13374554	2.2	2.87	-1.59	0.26986	0.548177	AT1G31550	GDSL esterase/lipase
13363713	2.2	2.87	-1.6	0.287892	0.557432	AT1G05290	CCT motif-containing protein
13391146	2.2	2.96	-1.69	0.287304	0.557153	AT2G03290	emp24/gp25L/p24 family/GOLD domain-containing protein
13479929	2.2	2.97	-1.69	0.267838	0.546492	YAB3	axial regulator YABBY 3
13435237	2.2	2.99	-1.73	0.41007	0.611489	AT3G43840	3-oxo-5-alpha-steroid 4-dehydrogenase family protein
13468651	2.2	2.99	-1.73	0.065283	0.401893	SCRL23	defensin-like protein 232
13539761	2.2	3	-1.74	0.28955	0.558072	AT5G55507	hydroxyproline-rich glycoprotein family protein
13405956	2.2	3.07	-1.82	0.127845	0.457732	AT2G46810	transcription factor bHLH70
13370891	2.2	3.13	-1.89	0.343054	0.579024	AT1G21510	hypothetical protein
13395735	2.2	3.2	-2.01	0.308543	0.566484	AT2G22030	F-box/kelch-repeat protein
13477833	2.2	3.21	-2.02	0.076232	0.410503	AT4G35170	late embryogenesis abundant hydroxyproline-rich glycoprotein
13438898	2.2	3.22	-2.04	0.100233	0.434576	CYP71B32	cytochrome P450, family 71, subfamily B, polypeptide 32
13449340	2.2	3.37	-2.25	0.389375	0.599704		
13461191	2.2	3.41	-2.3	0.091878	0.429212	AT3G57460	catalytic/ metal ion binding / metalloendopeptidase/ zinc ion binding protein
13534993	2.2	3.53	-2.51	0.199312	0.508728	AT5G43580	Serine protease inhibitor, potato inhibitor I-type family protein
13355728	2.2	3.63	-2.68	0.308765	0.566484	AT1G66220	Subtilase-like protein
13349465	2.2	3.76	-2.95	0.26578	0.546216	AT1G48150	MADS-box domain-containing protein
13540609	2.2	4.05	-3.6	0.441447	0.630263	AT5G57650	eukaryotic translation initiation factor-like protein
13521697	2.2	4.4	-4.57	0.462728	0.643006	AT5G03820	GDSL esterase/lipase
13527604	2.2	4.52	-4.98	0.32956	0.575011	AT5G17795	hypothetical protein
13359765	2.2	4.56	-5.13	0.378642	0.594492		
13446967	2.2	4.56	-5.13	0.378642	0.594492		
13521347	2.2	4.56	-5.13	0.378642	0.594492		
13353212	2.19	1.96	1.17	0.492271	0.659808	AT1G58225	hypothetical protein
13516872	2.19	1.96	1.17	0.260014	0.542638	AT5G58880	hypothetical protein
13484244	2.19	1.98	1.16	0.283809	0.556004	AT4G13960	putative F-box/LRR-repeat protein
13377167	2.19	2.01	1.14	0.05037	0.380289	AT1G48730	hypothetical protein
13409493	2.19	2.04	1.11	0.64793	0.765692	AT2G17000	mechanosensitive ion channel domain-containing protein
13432095	2.19	2.04	1.11	0.649181	0.766594	AT3G23145	ATP binding / aminoacyl-tRNA ligase/ nucleotide binding protein
13397869	2.19	2.08	1.08	0.290421	0.558546	AT2G27505	FBD-like domain family protein
13411643	2.19	2.07	1.08	0.535155	0.689242	AT2G22340	hypothetical protein

13368498	2.19	2.14	1.03	0.921643	0.952604	IAA5	auxin-responsive protein IAA5
13396134	2.19	2.17	1.01	0.942809	0.965716	AT2G22960	putative serine carboxypeptidase-like 52
13409081	2.19	2.18	1.01	0.951102	0.970871	AT2G15770	Plastocyanin-like domain-containing protein
13444491	2.19	2.2	-1.01	0.974287	0.98496	RR22	two-component response regulator ARR22
13469209	2.19	2.29	-1.07	0.690053	0.795118	AT4G15720	pentatricopeptide repeat-containing protein
13348856	2.19	2.3	-1.08	0.7176	0.814396	AT1G44890	hypothetical protein
13372991	2.19	2.31	-1.08	0.49063	0.658772	AT1G27580	hypothetical protein
13488477	2.19	2.32	-1.1	0.178619	0.494539	CRK24	cysteine-rich receptor-like protein kinase 24
13493233	2.19	2.33	-1.1	0.408483	0.610666	AT4G33840	Glycosyl hydrolase family 10 protein
13509235	2.19	2.32	-1.1	0.408469	0.610666	AT5G41630	putative F-box/LRR-repeat protein
13356226	2.19	2.37	-1.14	0.370757	0.591914	AT1G67635	hypothetical protein
13526006	2.19	2.39	-1.15	0.246759	0.535608	AT5G14290	Mitochondrial ribosomal protein L37
13429578	2.19	2.41	-1.16	0.309605	0.566861	AT3G17560	putative F-box protein
13402624	2.19	2.41	-1.17	0.593404	0.728815	AT2G38995	O-acyltransferase (WSD1-like) family protein
13457433	2.19	2.41	-1.17	0.155437	0.47818		
13364449	2.19	2.47	-1.21	0.108427	0.440409	OFP4	ovate family protein 4
13513301	2.19	2.47	-1.21	0.298791	0.562461	FUM2	fumarate hydratase 2
13442771	2.19	2.47	-1.22	0.463085	0.643087	AT3G62890	pentatricopeptide repeat-containing protein
13512993	2.19	2.51	-1.25	0.175072	0.492147	AT5G50140	ankyrin repeat-containing protein
13505192	2.19	2.58	-1.31	0.143022	0.468992	AT5G24130	hypothetical protein
13497730	2.19	2.59	-1.32	0.245533	0.535303	AT5G05070	putative S-acyltransferase
13443308	2.19	2.61	-1.34	0.364842	0.589467	AT3G01490	protein kinase domain-containing protein
13345968	2.19	2.64	-1.37	0.088722	0.42521	AT1G29780	haloacid dehalogenase-like hydrolase
13419782	2.19	2.65	-1.37	0.244553	0.535161	BOP2	ankyrin repeat and BTB/POZ domain-containing protein
13405123	2.19	2.67	-1.39	0.087698	0.423636	AT2G44920	thylakoid lumenal protein 1
13525768	2.19	2.72	-1.45	0.012079	0.301412	AGL15	agamous-like MADS-box protein AGL15
13373884	2.19	2.72	-1.45	0.258258	0.541251	AT1G29870	tRNA synthetase class II (G, H, P and S)-like protein
13456709	2.19	2.74	-1.47	0.465661	0.64451	AT3G46300; HERK1	hypothetical protein; receptor-like protein kinase HERK 1
13526914	2.19	2.77	-1.5	0.157542	0.480016	AT5G16330	NC domain-containing protein-like protein
13531882	2.19	2.91	-1.65	0.354557	0.584379		
13528809	2.19	2.95	-1.69	0.359425	0.586217	GER3	germin-like protein subfamily 3 member 3
13409730	2.19	3.06	-1.83	0.016544	0.316275	AT2G17590	cysteine/histidine-rich C1 domain-containing protein
13441211	2.19	3.17	-1.96	0.012363	0.301412	AT3G59200	F-box/LRR-repeat protein
13459721	2.19	3.22	-2.04	0.065808	0.402784	AT3G54060; HCEF1	hypothetical protein; fructose-1,6-bisphosphatase
13540877	2.19	3.24	-2.08	0.092718	0.429659	OFP3	ovate family protein 3
13513762	2.19	3.43	-2.36	0.328738	0.574572	AT5G51812	hypothetical protein
13483539	2.19	3.43	-2.37	0.311551	0.566985	CYP706A6	cytochrome P450, family 706, subfamily A, polypeptide 6
13371374	2.19	3.47	-2.43	0.280111	0.55409	AT1G22680	hypothetical protein
13392490	2.19	3.48	-2.45	0.248381	0.536457	LCR29	putative defensin-like protein 131
13447265	2.19	3.54	-2.55	0.488419	0.657428	AT3G10195	defensin-like protein 311
13533625	2.19	3.54	-2.56	0.473206	0.648252	AT5G39645	Defensin-like (DEFL) family protein
13403506	2.19	3.65	-2.76	0.342704	0.579024	LCR51	defensin-like protein 108
13391924	2.19	3.67	-2.78	0.459925	0.641176	AT2G05720	WD40 domain-containing protein

13473597	2.19	3.66	-2.78	0.400831	0.606291	AT4G25920	hypothetical protein
13534071	2.19	3.84	-3.13	0.384225	0.597873	AT5G40981	hypothetical protein
13386421	2.19	3.91	-3.29	0.013693	0.309482	AT1G72490	hypothetical protein
13531928	2.19	3.96	-3.42	0.331949	0.576244	AT5G28931	hypothetical protein
13435010	2.19	4.01	-3.53	0.346225	0.58045	AT3G42940	hypothetical protein
13376637	2.19	4.02	-3.55	0.019204	0.321499	5PTASE11	Type I inositol-1,4,5-trisphosphate 5-phosphatase 11
13357883	2.19	4.65	-5.51	0.277119	0.551824	AT1G71520	ethylene-responsive transcription factor ERF020
13435913	2.18	1.47	1.64	0.150642	0.473426	AT3G45850; AT3G45851	P-loop containing nucleoside triphosphate hydrolase-like protein; hypothetical protein
13545333	2.18	1.52	1.58	0.322443	0.57165	ArthMp080	hypothetical protein
13538737	2.18	1.68	1.41	0.266615	0.546291	AT5G52605	putative defensin-like protein 20
13383427	2.18	1.83	1.27	0.068027	0.406274	AT1G65190	protein kinase domain-containing protein
13488494	2.18	1.94	1.18	0.568482	0.711455	AT4G23350	hypothetical protein
13396903	2.18	1.95	1.17	0.036133	0.358236	AT2G25185	putative defensin-like protein 298
13407625	2.18	2.02	1.11	0.027755	0.343879	AT2G04041	hypothetical protein
13450199	2.18	2.04	1.1	0.04573	0.376483	DegP11	DegP protease 11
13364501	2.18	2.09	1.07	0.160148	0.482731	AT1G07050	CCT motif family protein
13478447	2.18	2.1	1.05	0.766064	0.847127	AT4G36560	hypothetical protein
13388704	2.18	2.16	1.02	0.806673	0.87601	AT1G77655	hypothetical protein
13428277	2.18	2.14	1.02	0.809278	0.877826	AT3G14820	GDSL esterase/lipase
13476635	2.18	2.15	1.02	0.615603	0.743882	AT4G32630	ArfGap/RecO-like zinc finger domain-containing protein
13411675	2.18	2.16	1.01	0.917446	0.94995	AT2G22460	hypothetical protein
13507407	2.18	2.17	1.01	0.928239	0.956551	LBD35	LOB domain-containing protein 35
13347649	2.18	2.19	-1.01	0.948834	0.969421	AT1G34046	Ankyrin-repeat containing protein
13355952	2.18	2.2	-1.01	0.903434	0.94086	AT1G66860	class I glutamine amidotransferase-like domain-containing protein
13364714	2.18	2.2	-1.01	0.907888	0.943917	TRFL2	telomere repeat-binding protein 5
13457852	2.18	2.21	-1.02	0.934961	0.960742	AT3G49440	F-box associated ubiquitination effector family protein
13435686	2.18	2.23	-1.03	0.610356	0.740107	AT3G44980	hypothetical protein
13456810	2.18	2.26	-1.05	0.773117	0.852027		
13430931	2.18	2.26	-1.06	0.08874	0.425223	AT3G20190	leucine-rich repeat protein kinase-like protein
13526869	2.18	2.27	-1.06	0.806757	0.876033	AT5G16230	acyl-[acyl-carrier-protein] desaturase
13412297	2.18	2.28	-1.07	0.428561	0.622395	AT2G24255	hypothetical protein
13475430	2.18	2.28	-1.07	0.720492	0.816762	LCR59	defensin-like protein 182
13351264	2.18	2.29	-1.08	0.268492	0.547126	AT1G52470	alpha/beta-hydrolase domain-containing protein
13511385	2.18	2.29	-1.08	0.420523	0.617454	AT5G46720	AIG2-like (avirulence induced gene) family protein
13539259	2.18	2.32	-1.1	0.255035	0.540315	AT5G54148	hypothetical protein
13345038	2.18	2.34	-1.12	0.582246	0.721572	AT1G27220	paired amphipathic helix repeat-containing protein
13401045	2.18	2.35	-1.12	0.720022	0.816359	GDCH	glycine cleavage system H protein 1
13516136	2.18	2.34	-1.12	0.795923	0.868547	ORP4C; AT5G57250	OSBP(oxysterol binding protein)-related protein 4C; pentatricopeptide repeat-containing protein

13533390	2.18	2.37	-1.14	0.430944	0.623682	AT5G38810	F-box and associated interaction domain-containing protein
13344168	2.18	2.4	-1.16	0.377846	0.594163	AT1G24420	HXXXD-type acyl-transferase-like protein
13345401	2.18	2.4	-1.16	0.657702	0.773244	AT1G28007	hypothetical protein
13473721	2.18	2.39	-1.16	0.428491	0.622395	AT4G26170	hypothetical protein
13341929	2.18	2.42	-1.18	0.479898	0.652001	MYB47	myb domain protein 47
13369921	2.18	2.43	-1.18	0.27718	0.55187	AT1G19060	hypothetical protein
13354588	2.18	2.43	-1.19	0.599543	0.731926	AT1G63060	hypothetical protein
13344259	2.18	2.46	-1.21	0.583702	0.722986	AT1G24580	RING/U-box domain-containing protein
13437122	2.18	2.49	-1.25	0.257613	0.541251	AT3G48720	HXXXD-type acyl-transferase-like protein
13526047	2.18	2.54	-1.28	0.147015	0.470962	AT5G14410	hypothetical protein
13499019	2.18	2.57	-1.31	0.036317	0.358832	MCT2	MEI2 C-terminal RRM only like 2
13384377	2.18	2.58	-1.31	0.165454	0.485944	RTFL21	ROTUNDIFOLIA like 21 protein
13504512	2.18	2.58	-1.32	0.042846	0.369928	AT5G22530	hypothetical protein
13377994	2.18	2.58	-1.32	0.298646	0.562461	AT1G50691	hypothetical protein
13454768	2.18	2.61	-1.35	0.336739	0.577005	AT3G28415	ABC transporter B family member 22
13372392	2.18	2.64	-1.38	0.580007	0.719953	TEM1	AP2/ERF and B3 domain-containing transcription factor TEM1
13435677	2.18	2.64	-1.38	0.098399	0.433275	AT3G44970	cytochrome P450 family protein
13539217	2.18	2.71	-1.44	0.396445	0.604018	AT5G54067	hypothetical protein
13472687	2.18	2.72	-1.46	0.226738	0.525438	CSLG1; AT4G24015	cellulose synthase-like protein G1; RING-H2 zinc finger protein RHA4a
13511567	2.18	2.73	-1.46	0.368454	0.590997	AT5G47130	BAX inhibitor-1 motif-containing protein
13445189	2.18	2.74	-1.48	0.101711	0.435397	INVH	invertase H
13531958	2.18	2.83	-1.57	0.245353	0.535223	AT5G29560	caleosin-related family protein
13380931	2.18	2.84	-1.58	0.012452	0.301412	AT1G58390	CC-NBS-LRR class disease resistance protein
13355873	2.18	2.88	-1.62	0.068191	0.406315	AT1G66720	AtPP-like protein
13527475	2.18	2.88	-1.62	0.287046	0.557153	AT5G17523	hypothetical protein
13469213	2.18	2.92	-1.67	0.196639	0.50734	SCRL11	putative defensin-like protein 244
13404307	2.18	2.96	-1.72	0.076744	0.411511	PIF4	transcription factor PIF4
13502546	2.18	2.99	-1.75	0.410381	0.61176	AT5G17073	hypothetical protein
13431659	2.18	3.05	-1.83	0.372447	0.591983	AT3G22053	hypothetical protein
13464939	2.18	3.07	-1.85	0.494649	0.66136	AT4G02465	hypothetical protein
13346940	2.18	3.09	-1.88	0.273324	0.5499	AT1G32030	hypothetical protein
13391591	2.18	3.12	-1.92	0.218105	0.520722	AT2G04440	MutT/nudix-like protein
13431350	2.18	3.13	-1.94	0.173215	0.490538	AT3G21170	F-box and associated interaction domain-containing protein
13384647	2.18	3.16	-1.97	0.183679	0.498442	AT1G67640	Lysine histidine transporter-like 2
13408440	2.18	3.17	-1.99	0.039374	0.364658	AT2G10014	hypothetical protein
13529067	2.18	3.26	-2.11	0.010379	0.296261	AT5G21080	hypothetical protein
13538423	2.18	3.29	-2.16	0.043766	0.373007	GA20OX2	gibberellin 20 oxidase 2
13465986	2.18	3.33	-2.22	0.084394	0.418416	AT4G05310	ubiquitin family protein
13497063	2.18	3.34	-2.24	0.204989	0.51184	AT5G03590	GDSL esterase/lipase
13412137	2.18	3.37	-2.28	0.024599	0.333233	AT2G23840	HNH endonuclease
13494253	2.18	3.39	-2.31	0.082755	0.417856	PAP25	purple acid phosphatase 25
13493798	2.18	3.4	-2.33	0.320297	0.570744	AT4G35280	C2H2-like zinc finger protein
13399768	2.18	3.46	-2.42	0.340241	0.578077	AT2G32310	CCT motif family protein
13376746	2.18	3.52	-2.53	0.380142	0.595571	AT1G48010	plant invertase/pectin methylesterase inhibitor domain-containing protein

13438891	2.18	3.52	-2.53	0.387683	0.598939	CYP71B30P	cytochrome P450, family 71, subfamily B, polypeptide 30 pseudogene
13517674	2.18	3.65	-2.77	0.430585	0.62335	bZIP70	basic leucine-zipper 70
13480638	2.18	3.9	-3.3	0.306866	0.565657	AT4G01703	hypothetical protein
13402129	2.18	3.95	-3.41	0.048857	0.377942	AT2G37870	protease inhibitor/seed storage/lipid transfer protein (LTP) family protein
13378980	2.18	4.18	-3.98	0.376761	0.59355	AT1G53265	hypothetical protein
13388802	2.18	4.31	-4.36	0.369268	0.591437	AT1G77932; AT1G77930	hypothetical protein; chaperone DnaJ-domain-containing protein
13407980	2.18	4.55	-5.18	0.355283	0.584538	AT2G05360	hypothetical protein
13396685	2.17	1.7	1.39	0.250272	0.537509	AT2G24513	hypothetical protein
13545495	2.17	1.87	1.23	0.448728	0.635107		
13461579	2.17	1.91	1.2	0.163714	0.48542	AT3G58400	TRAF-like family protein
13517462	2.17	1.9	1.2	0.510493	0.672401		
13461524	2.17	1.95	1.17	0.184351	0.498908	AT3G58280	phospholipase-like protein (PEARLI 4) with TRAF-like domain
13362358	2.17	1.98	1.14	0.051142	0.382129	ARFD1A	Arf/Sar family protein
13496031	2.17	2.02	1.11	0.301928	0.563858	AT5G01140	hypothetical protein
13370085	2.17	2.07	1.08	0.574588	0.716032	CYP722A1	cytochrome P450, family 722, subfamily A, polypeptide 1
13419140	2.17	2.06	1.08	0.492044	0.659733	AT2G39782	hypothetical protein
13501714	2.17	2.11	1.04	0.149206	0.472024	AT5G15110	putative pectate lyase 19
13395796	2.17	2.13	1.03	0.822696	0.88666	AT2G22201	hypothetical protein
13454450	2.17	2.15	1.02	0.891341	0.933265	SCRL19	defensin-like protein 241
13514004	2.17	2.15	1.01	0.76839	0.84884	AT5G52490	putative rRNA 2'-O-methyltransferase fibrillarin 3
13508172	2.17	2.21	-1.02	0.817122	0.883132	AT5G38760	Late embryogenesis abundant protein (LEA) family protein
13433587	2.17	2.21	-1.03	0.916557	0.949591	LBD23	LOB domain-containing protein 23
13423061	2.17	2.27	-1.07	0.700459	0.802994	AT3G01880	hypothetical protein
13459672	2.17	2.28	-1.08	0.660479	0.775138	AT3G53910	malate dehydrogenase-like protein
13459135	2.17	2.29	-1.09	0.456212	0.638899	AT3G52561	hypothetical protein
13470241	2.17	2.33	-1.12	0.673546	0.783652	PUP6	purine permease 6
13465662	2.17	2.38	-1.16	0.347116	0.58045	AT4G04480	hypothetical protein
13351608	2.17	2.39	-1.17	0.451584	0.636188	AT1G53350	putative disease resistance RPP8-like protein 2
13505475	2.17	2.41	-1.18	0.28976	0.558085	AT5G25040	major facilitator protein
13347173	2.17	2.42	-1.19	0.247732	0.536315	AT1G32670	hypothetical protein
13435026	2.17	2.45	-1.21	0.164704	0.485884	AT3G43120	SAUR-like auxin-responsive protein
13420715	2.17	2.46	-1.22	0.022911	0.329835	AT2G43261	hypothetical protein
13388200	2.17	2.46	-1.22	0.472608	0.648141	CML38	calcium-binding protein CML38
13467199	2.17	2.46	-1.22	0.345522	0.580296	SCRL21	protein SCR-like 21
13396741	2.17	2.47	-1.23	0.2147	0.519316	AT2G24670	hypothetical protein
13464552	2.17	2.5	-1.26	0.520237	0.678956	AT4G01780	XH/XS domain-containing protein
13415390	2.17	2.52	-1.27	0.282241	0.555357	AT2G31345	hypothetical protein
13476027	2.17	2.55	-1.3	0.151775	0.474016	FLP1	protein kinase family protein
13520050	2.17	2.59	-1.33	0.448308	0.634904	AT5G66110	heavy metal transport/detoxification domain-containing protein
13383403	2.17	2.59	-1.34	0.10658	0.438961	AT1G65130	Ubiquitin carboxyl-terminal hydrolase-related protein

13383988	2.17	2.6	-1.35	0.403156	0.607647	AT1G66490	F-box protein
13434988	2.17	2.6	-1.35	0.165455	0.485944	AT3G42770	putative F-box/LRR-repeat protein
13342906	2.17	2.67	-1.41	0.484381	0.654407	WAK3	wall-associated receptor kinase 3
13464024	2.17	2.67	-1.41	0.148181	0.471967	AT4G00580	COP1-interacting protein-like protein
13460489	2.17	2.7	-1.44	0.231038	0.527788	AT3G55680	plant invertase/pectin methylesterase inhibitor domain-containing protein
13489682	2.17	2.69	-1.44	0.128906	0.458942	CIL	CCT motif family protein
13475288	2.17	2.74	-1.48	0.042535	0.369484	AT4G29570	cytidine/deoxycytidylate deaminase-like protein
13511038	2.17	2.74	-1.48	0.149427	0.47236	SAG12	senescence-associated protein 12
13370816	2.17	2.74	-1.49	0.292922	0.559559	AT1G21327	hypothetical protein
13531027	2.17	2.79	-1.54	0.45975	0.640963	AT5G25840	hypothetical protein
13336474	2.17	2.81	-1.55	0.062559	0.398248	CLE3	CLAVATA3/ESR-related 3 protein
13514763	2.17	2.8	-1.56	0.324255	0.572995	AT5G54062	hypothetical protein
13387885	2.17	2.87	-1.62	0.073591	0.410031		
13401345	2.17	2.87	-1.62	0.156896	0.479551	AT2G35990	cytokinin riboside 5'-monophosphate phosphoribohydrolase LOG2
13534339	2.17	2.88	-1.63	0.008589	0.293015	AT5G41830	F-box family protein-like protein
13542232	2.17	2.89	-1.64	0.108277	0.440178	AT5G61630	hypothetical protein
13364179	2.17	2.9	-1.66	0.396712	0.604155	AT1G06350	delta-9 desaturase-like 4 protein
13473799	2.17	2.89	-1.66	0.264049	0.544971	AT4G26350	putative F-box/FBD/LRR-repeat protein
13449540	2.17	2.92	-1.68	0.058178	0.392965	AT3G14740	RING/FYVE/PHD zinc finger-containing protein
13507886	2.17	3.01	-1.79	0.438069	0.628329	AT5G37940	2-alkenal reductase
13405676	2.17	3.03	-1.82	0.385347	0.598088	AT2G46210	Fatty acid/sphingolipid desaturase
13474635	2.17	3.07	-1.86	0.12848	0.458665	A7	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13432690	2.17	3.08	-1.87	0.116807	0.446833	CLE19	CLAVATA3/ESR-related 19 protein
13393170	2.17	3.09	-1.89	0.288762	0.557782	AT2G15460	glycoside hydrolase family 28 protein / polygalacturonase (pectinase) family protein
13431627	2.17	3.19	-2.02	0.221562	0.522805	AT3G21970	cysteine-rich repeat secretory protein 26
13437101	2.17	3.31	-2.21	0.260569	0.542969	AT3G48675	hypothetical protein
13505854	2.17	3.44	-2.41	0.147736	0.4719	AT5G26070	hydroxyproline-rich glycoprotein family protein
13420950	2.17	3.49	-2.48	0.126572	0.45593	AT2G43795; MPK6	hypothetical protein; mitogen-activated protein kinase 6
13383680	2.17	3.49	-2.5	0.206399	0.513094	AT1G65740	hypothetical protein
13446550	2.17	3.57	-2.64	0.08224	0.417449	LTP6	non-specific lipid-transfer protein 6
13455360	2.17	3.76	-3.01	0.392083	0.601358	AT3G30778	hypothetical protein
13376054	2.17	3.9	-3.31	0.364311	0.589278	AT1G43100; AT1G43090; AT1G43080	glycoside hydrolase family 28 protein / polygalacturonase (pectinase) family protein
13488063	2.17	4.13	-3.9	0.36153	0.5879	AT4G22470	protease inhibitor/seed storage/lipid transfer protein (LTP) family protein
13408848	2.17	4.22	-4.15	0.436042	0.627151	AT2G14378	hypothetical protein
13520404	2.17	4.54	-5.15	0.330502	0.575684	AT5G67020	hypothetical protein
13490913	2.17	4.79	-6.12	0.003583	0.253459	PSAE-1	photosystem I reaction center subunit IV A
13420570	2.16	1.71	1.37	0.056024	0.388357	HVA22F	HVA22-like protein f
13545545	2.16	1.78	1.3	0.48056	0.65238		
13452916	2.16	1.85	1.24	0.265673	0.546155	AT3G23650	protein kinase-like protein

13375278	2.16	1.95	1.16	0.522349	0.680599	AT1G33820	hypothetical protein
13351247	2.16	1.96	1.15	0.167604	0.48688	AT1G52440	alpha/beta-hydrolase-like protein
13380605	2.16	2.01	1.11	0.823032	0.88685	AT1G57777	hypothetical protein
13439898	2.16	2.01	1.11	0.260791	0.542969	AT3G55672	self-incompatibility S1 family protein
13361916	2.16	2.11	1.03	0.869459	0.918835		
13396123	2.16	2.18	-1.01	0.894858	0.935259	AT2G22941	putative defensin-like protein 191
13539201	2.16	2.18	-1.02	0.833277	0.894611	AT5G54010	glycosyltransferase domain-containing protein
13375896	2.16	2.2	-1.03	0.538039	0.69115	AT1G37007	hypothetical protein
13487152	2.16	2.2	-1.03	0.915156	0.948747	AT4G20100	PQ-loop repeat-containing protein
13531434	2.16	2.21	-1.03	0.85462	0.908731	AT5G27247	hypothetical protein
13384083	2.16	2.22	-1.04	0.72149	0.81738	AT1G66770	nodulin MtN3-like protein
13335862	2.16	2.25	-1.06	0.621933	0.748052	AT1G04670	hypothetical protein
13372031	2.16	2.25	-1.06	0.660567	0.775209	AT1G24250	paired amphipathic helix domain-containing protein
13443874	2.16	2.25	-1.06	0.636379	0.758209	AT3G02960	heavy-metal-associated domain-containing protein
13381061	2.16	2.26	-1.08	0.133545	0.463242	AT1G59690	F-box associated ubiquitination effector family protein
13409529	2.16	2.29	-1.09	0.159128	0.481599	SSP	putative inactive receptor-like kinase SSP
13506080	2.16	2.29	-1.1	0.505422	0.668911	AT5G26617	hypothetical protein
13339481	2.16	2.31	-1.11	0.635535	0.75778	NRT2.5	nitrate transporter2.5
13374696	2.16	2.31	-1.11	0.515754	0.675826	AT1G31920	pentatricopeptide repeat-containing protein
13487858	2.16	2.3	-1.11	0.19188	0.505	AT4G22110	alcohol dehydrogenase-like 5
13439808	2.16	2.34	-1.13	0.425541	0.620492	AT3G55540	nuclear transport factor 2 family protein
13347295	2.16	2.36	-1.15	0.0952	0.431535	AT1G33010	ribosomal protein L11
13346753	2.16	2.38	-1.16	0.23428	0.52953	AT1G31510	F-box associated ubiquitination effector family protein
13407039	2.16	2.38	-1.16	0.172716	0.490135	PQL3	oxygen evolving enhancer 3 (PsbQ)-like 3
13359181	2.16	2.43	-1.21	0.062132	0.398248	AT1G74670	putative gibberellin-regulated protein
13453580	2.16	2.43	-1.21	0.34946	0.581308	LCR4	putative defensin-like protein 148
13396244	2.16	2.47	-1.24	0.033014	0.354018	AT2G23110	Late embryogenesis abundant protein, group 6
13375578	2.16	2.48	-1.25	0.035853	0.357064	AT1G34860	Plant thionin family protein
13497082	2.16	2.49	-1.25	0.013506	0.308902	AT5G03620	Subtilisin-like serine endopeptidase family protein
13416738	2.16	2.47	-1.25	0.236214	0.530423	AT2G34315	avirulence induced family protein
13409017	2.16	2.56	-1.32	0.033465	0.354018	AT2G15345	plant invertase/pectin methylesterase inhibitor domain-containing protein
13372586	2.16	2.57	-1.32	0.226757	0.525438	CAL	transcription factor CAULIFLOWER
13371734	2.16	2.57	-1.33	0.534318	0.688582	AT1G23610	hypothetical protein
13508509	2.16	2.65	-1.4	0.22456	0.524988	AT5G39880	hypothetical protein
13453203	2.16	2.66	-1.41	0.038832	0.364658	AT3G24260	hypothetical protein
13409649	2.16	2.66	-1.41	0.352965	0.583456	AT2G17470	Aluminium activated malate transporter family protein
13374859	2.16	2.68	-1.43	0.272047	0.548944	AT1G32430	F-box protein
13536389	2.16	2.73	-1.48	0.329585	0.575018	AT5G46970	plant invertase/pectin methylesterase inhibitor domain-containing protein
13388965	2.16	2.73	-1.49	0.075849	0.410503	AT1G78460	SOUL heme-binding protein
13435575	2.16	2.76	-1.52	0.308006	0.566048	AT3G44760	hypothetical protein

13376868	2.16	2.8	-1.56	0.030149	0.350098	AT1G48190	galactose oxidase/kelch repeat domain-containing protein
13345151	2.16	2.94	-1.71	0.260578	0.542969	AT1G27480	Lecithin-cholesterol acyltransferase-like 1
13436550	2.16	2.96	-1.73	0.029864	0.349787	ATH2	ABC transporter A family member 3
13474519	2.16	3.06	-1.87	0.312085	0.567398	AT4G28068	hypothetical protein
13345941	2.16	3.18	-2.02	0.050752	0.381425	AT1G29660	GDSL esterase/lipase
13382609	2.16	3.21	-2.06	0.122418	0.45272	AT1G63205	cystatin-related domain protein
13490418	2.16	3.33	-2.26	0.020895	0.324125	AT4G27560	UDP-glycosyltransferase-like protein
13409219	2.16	3.36	-2.29	0.392614	0.601642	AT2G16290	putative F-box protein
13504525	2.16	3.38	-2.34	0.221978	0.523175	AT5G22580	stress responsive A/B Barrel domain-containing protein
13484452	2.16	3.4	-2.37	0.227473	0.525653	AT4G14251	hypothetical protein
13387511	2.16	3.43	-2.4	0.295633	0.561114	AT1G74990	RING/U-box domain-containing protein
13335018	2.16	3.49	-2.52	0.366153	0.590066	AT1G02813	hypothetical protein
13469216	2.16	3.51	-2.55	0.380421	0.595844	SCRL10	defensin-like protein 242
13508264	2.16	3.51	-2.56	0.376517	0.593404	AT5G38990	interleukin-1 receptor-associated kinase 4
13544255	2.16	3.72	-2.94	0.352212	0.582934	AT5G66370	hypothetical protein
13511600	2.16	3.82	-3.18	0.121918	0.452662	NUDT8	nudix hydrolase 8
13517500	2.16	3.87	-3.28	0.140188	0.466502	AT5G60470	C2H2 and C2HC zinc finger-containing protein
13354069	2.16	3.94	-3.43	0.369578	0.591602	AT1G61330	putative FBD-associated F-box protein
13533871	2.15	1.59	1.48	0.129344	0.459395		
13378847	2.15	1.76	1.31	0.429222	0.622763	AT1G52855	hypothetical protein
13391839	2.15	1.76	1.31	0.240447	0.533347	AT2G05430	Ubiquitin-specific protease family C19-related protein
13345514	2.15	1.81	1.27	0.512381	0.673816	RALFL4	protein ralf-like 4
13348655	2.15	1.88	1.21	0.302858	0.564028	AT1G43680	hypothetical protein
13348498	2.15	1.91	1.18	0.635703	0.757885	AT1G42525	hypothetical protein
13453593	2.15	1.96	1.14	0.256822	0.540953	AT3G25460	putative F-box protein
13400054	2.15	1.99	1.12	0.011218	0.297771	AT2G32820	Transcription elongation factor (TFIIS) family protein
13509298	2.15	2	1.11	0.319332	0.570181	AT5G41761	hypothetical protein
13514618	2.15	2	1.1	0.708806	0.808549	AT5G53690	hypothetical protein
13431705	2.15	2.03	1.08	0.23272	0.528669	AT3G22183	hypothetical protein
13520395	2.15	2.04	1.08	0.295549	0.561114	AT5G66980	putative B3 domain-containing protein
13408685	2.15	2.06	1.06	0.679363	0.787822	AT2G13510	hypothetical protein
13507966	2.15	2.06	1.06	0.90075	0.939023	AT5G38180	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13482601	2.15	2.08	1.05	0.638089	0.759072	MES12	methyl esterase 12
13382366	2.15	2.12	1.02	0.858058	0.911439	AT1G62530	hypothetical protein
13347647	2.15	2.15	-1.01	0.939536	0.963737	AT1G34041	hypothetical protein
13530175	2.15	2.17	-1.01	0.92834	0.956586	SQP1	Squalene monooxygenase 1,1
13337238	2.15	2.2	-1.03	0.899137	0.93792	AT1G08120	hypothetical protein
13345525	2.15	2.2	-1.03	0.739342	0.828957	AT1G28327	hypothetical protein
13418092	2.15	2.2	-1.03	0.907055	0.943359	AT2G37290	RabGAP/TBC domain-containing protein
13481605	2.15	2.19	-1.03	0.939033	0.963392	AT4G04630	hypothetical protein
13526917	2.15	2.2	-1.04	0.645474	0.763958	AT5G16340	AMP-binding protein 6
13339995	2.15	2.22	-1.05	0.753403	0.838637	PKS2	phytochrome kinase substrate 2
13401190	2.15	2.22	-1.05	0.569188	0.711889	FIS2	polycomb group protein FERTILIZATION-INDEPENDENT SEED 2

13537240	2.15	2.23	-1.06	0.816999	0.883051	LCR86	defensin-like protein 76
13496035	2.15	2.25	-1.07	0.509532	0.671862	AT5G01150	hypothetical protein
13531967	2.15	2.27	-1.08	0.651518	0.76882	AT5G31412	hAT family dimerization domain-containing protein
13431925	2.15	2.28	-1.09	0.374352	0.593017	CEG	F-box and associated interaction domain-containing protein
13384951	2.15	2.29	-1.1	0.594988	0.729942	AT1G68526	hypothetical protein
13409320	2.15	2.3	-1.11	0.046235	0.377124	AT2G16490	XH domain-containing protein
13397688	2.15	2.3	-1.11	0.37059	0.591914	TIL2	DNA polymerase epsilon subunit 1
13402968	2.15	2.32	-1.12	0.438023	0.628329	AT2G39855	hypothetical protein
13391819	2.15	2.33	-1.13	0.548426	0.698421	AT2G05400	Ubiquitin-specific protease family C19-related protein
13405896	2.15	2.36	-1.16	0.113804	0.444751	AT2G46640	hypothetical protein
13402572	2.15	2.38	-1.17	0.261957	0.543595	AT2G38890	hypothetical protein
13355359	2.15	2.39	-1.18	0.28588	0.556682	AT1G65140	ubiquitin carboxyl-terminal hydrolase-like protein
13535836	2.15	2.39	-1.19	0.008662	0.293015	AT5G45530	hypothetical protein
13393319	2.15	2.4	-1.19	0.307378	0.565877	AT2G16200	coatomer gamma subunit appendage domain-containing protein
13400074	2.15	2.41	-1.19	0.626661	0.751052	AT2G32885; RALFL17	Rapid alkalinization factor (RALF) family protein; protein ralf-like 17
13533387	2.15	2.4	-1.19	0.414522	0.614187	bZIP43	basic leucine-zipper 43
13416456	2.15	2.44	-1.22	0.267911	0.546492	AT2G33655	putative F-box protein
13437316	2.15	2.43	-1.22	0.172504	0.489773	PRXCA	peroxidase 33
13491391	2.15	2.44	-1.22	0.223389	0.524399	LCR19	defensin-like protein 183
13508254	2.15	2.44	-1.22	0.190578	0.503959	AT5G38950	germin-like protein-like protein
13512940	2.15	2.43	-1.22	0.16327	0.484932	AT5G50050	plant invertase/pectin methylesterase inhibitor domain-containing protein
13431145	2.15	2.45	-1.23	0.57639	0.71699	AT3G20557	hypothetical protein
13493268	2.15	2.44	-1.23	0.512964	0.674211	AT4G33900	F-box/kelch-repeat protein
13403971	2.15	2.46	-1.24	0.546226	0.696675	ACT9	actin 9
13337918	2.15	2.53	-1.3	0.058637	0.394106	GolS3	galactinol synthase 3
13463253	2.15	2.55	-1.32	0.597574	0.731118	WRKY68; AT3G62350	putative WRKY transcription factor 68; hypothetical protein
13535975	2.15	2.55	-1.32	0.189376	0.503111	AT5G45850	hypothetical protein
13397802	2.15	2.56	-1.33	0.327778	0.574416	AT2G27270	hypothetical protein
13432043	2.15	2.58	-1.35	0.280451	0.554406	RLP36	receptor like protein 36
13373406	2.15	2.63	-1.39	0.051752	0.382313	AT1G28610	GDSL esterase/lipase
13430448	2.15	2.64	-1.4	0.238131	0.532053	AT3G19184	AP2/B3 domain-containing transcription factor
13465852	2.15	2.71	-1.48	0.00802	0.290453	DES-1-LIKE; AT4G04940	sphingolipid delta-4 desaturase; transducin/WD40 domain-containing protein
13384811	2.15	2.73	-1.5	0.296095	0.561293	ANN5	annexin D5
13334891	2.15	2.75	-1.51	0.09197	0.429467	PGP12	P-glycoprotein 12
13469748	2.15	2.75	-1.52	0.270533	0.548501	AT4G16915	hypothetical protein
13429348	2.15	2.82	-1.58	0.075854	0.410503	AT3G16880	putative F-box/kelch-repeat protein
13508180	2.15	2.81	-1.58	0.068878	0.406403	AT5G38780	putative S-adenosylmethionine-dependent methyltransferase
13409430	2.15	2.85	-1.63	0.101202	0.434782	AT2G16810	F-box only protein 8
13490800	2.15	2.86	-1.63	0.567055	0.710917	ENODL3	early nodulin-like protein 3

13449036	2.15	2.87	-1.65	0.247972	0.536315	AT3G13590	cysteine/histidine-rich C1 domain-containing protein
13392200	2.15	2.91	-1.7	0.292622	0.559559	AT2G07505	zinc ion binding protein
13469169	2.15	2.92	-1.71	0.367776	0.590869	AT4G15620	hypothetical protein
13436105	2.15	2.94	-1.73	0.020349	0.322788	AT3G46420	leucine-rich repeat protein kinase-like protein
13447803	2.15	2.94	-1.73	0.034243	0.354883	AT3G11310	hypothetical protein
13469005	2.15	3.02	-1.82	0.087865	0.423797	CYP702A6	cytochrome P450, family 702, subfamily A, polypeptide 6
13455262	2.15	3.03	-1.84	0.257434	0.541247	AT3G30160	hypothetical protein
13526958	2.15	3.07	-1.89	0.348826	0.58093	AT5G16460	Putative adipose-regulatory protein (Seipin)
13385221	2.15	3.07	-1.9	0.182895	0.497732	AP1	Floral homeotic protein APETALA 1
13542925	2.15	3.11	-1.93	0.012119	0.301412	CYP94B1	cytochrome P450, family 94, subfamily B, polypeptide 1
13485684	2.15	3.14	-2	0.274425	0.550583	AT4G16810	VEFS-Box of polycomb protein
13378519	2.15	3.18	-2.04	0.02663	0.339318	AT1G52100	jacalin-like lectin domain-containing protein
13519689	2.15	3.23	-2.11	0.401001	0.606349	HB25	homeobox protein 25
13435232	2.15	3.31	-2.23	0.353768	0.583905	AT3G43833	hypothetical protein
13369849	2.15	3.4	-2.38	0.361221	0.5879	AT1G18810	protein phytochrome kinase substrate 3
13460112	2.15	3.4	-2.38	0.368191	0.590932	AT3G54802	hypothetical protein
13426859	2.15	3.55	-2.64	0.208209	0.513791	BSMT1	S-adenosyl-L-methionine-dependent methyltransferase-like protein
13351018	2.15	3.58	-2.71	0.33834	0.577332	ILL5	IAA-amino acid hydrolase ILR1-like 5
13361268	2.15	3.72	-2.95	0.180259	0.495833	AT1G79915	Putative methyltransferase family protein
13339329	2.15	3.74	-3.03	0.381258	0.596438	AT1G12490	F-box associated ubiquitination effector family protein
13543843	2.15	4	-3.61	0.228668	0.526466	AT5G65533	hypothetical protein
13342800	2.15	4.89	-6.7	0.362979	0.588585	AT1G20967	hypothetical protein
13545493	2.14	1.72	1.34	0.401343	0.606705		
13379681	2.14	1.81	1.25	0.373757	0.592616	AT1G54950	hypothetical protein
13395869	2.14	1.88	1.2	0.354927	0.584465	SLO1	protein slow growth 1
13437449	2.14	1.93	1.15	0.616253	0.744226	AT3G49510	F-box protein
13362270	2.14	2.1	1.03	0.917338	0.949927	NAC005	NAC domain-containing protein 5
13412039	2.14	2.13	1.01	0.964237	0.978929	MES4	methyl esterase 4
13371398	2.14	2.16	-1.01	0.941814	0.965251	AT1G22767	hypothetical protein
13375673	2.14	2.15	-1.01	0.478682	0.651465	AT1G35435	defensin-like protein 275
13536382	2.14	2.15	-1.01	0.844322	0.901773	AT5G46950	plant invertase/pectin methylesterase inhibitor domain-containing protein
13390502	2.14	2.17	-1.02	0.925876	0.955287	AT2G01554	hypothetical protein
13452906	2.14	2.2	-1.05	0.692522	0.797034	AT3G23633	F-box associated ubiquitination effector family protein
13377858	2.14	2.23	-1.06	0.730606	0.823653	AT1G50325	plant invertase/pectin methylesterase inhibitor domain-containing protein
13372721	2.14	2.24	-1.07	0.740541	0.829521	AT1G26710	hypothetical protein
13350580	2.14	2.27	-1.09	0.478541	0.651345	GA2OX7	gibberellin 2-beta-dioxygenase 7
13412342	2.14	2.3	-1.12	0.181225	0.496688	AT2G24340	sequence-specific DNA binding transcription factor
13516957	2.14	2.31	-1.12	0.552746	0.701404	AT5G59230	transcription factor-related protein
13532928	2.14	2.31	-1.13	0.475881	0.649794	AGL105	protein agamous-like 105
13376130	2.14	2.33	-1.14	0.507413	0.670615	AT1G43630	hypothetical protein

13503212	2.14	2.34	-1.15	0.136103	0.465036	AT5G18870	Inosine-uridine preferring nucleoside hydrolase family protein
13518932	2.14	2.35	-1.15	0.56	0.706033	AT5G63820	hypothetical protein
13342085	2.14	2.38	-1.18	0.020531	0.324125	AT1G19086	hypothetical protein
13379733	2.14	2.39	-1.19	0.314512	0.568148	AT1G55207	hypothetical protein
13487511	2.14	2.4	-1.19	0.555075	0.702987	RK3	receptor kinase 3
13526402	2.14	2.44	-1.23	0.123454	0.453558	PIN8	putative auxin efflux carrier component 5
13459730	2.14	2.47	-1.26	0.493005	0.660367	AT3G54070	ankyrin repeat-containing protein
13465289	2.14	2.5	-1.29	0.031969	0.352653	AT4G03220	putative F-box/FBD/LRR-repeat protein
13480605	2.14	2.54	-1.32	0.470923	0.6473	AT4G01595	protein kinase-like protein
13531662	2.14	2.54	-1.33	0.338725	0.577413	DES1	cysteine synthase A
13466725	2.14	2.56	-1.35	0.59561	0.73025	AT4G09462	carbohydrate-binding X8 domain-containing protein
13356615	2.14	2.59	-1.36	0.54132	0.693095	LBD42	LOB domain-containing protein 42
13444325	2.14	2.58	-1.36	0.471304	0.64746	AT3G03930	protein kinase-related protein
13449777	2.14	2.59	-1.37	0.087805	0.423768	AT3G15440	hypothetical protein
13444005	2.14	2.61	-1.39	0.306982	0.565657	AT3G03272	hypothetical protein
13366509	2.14	2.68	-1.45	0.464335	0.643588	AT1G10980	lung seven transmembrane receptor-containing protein
13530207	2.14	2.68	-1.46	0.328347	0.574416		
13531794	2.14	2.68	-1.46	0.173197	0.490537	AT5G28465	hypothetical protein
13532662	2.14	2.73	-1.5	0.016818	0.317232	PGLP1; AT5G36790	2-phosphoglycolate phosphatase 1; haloacid dehalogenase-like hydrolase domain-containing protein
13455458	2.14	2.74	-1.51	0.001746	0.251783	AT3G32904	hypothetical protein
13454987	2.14	2.73	-1.51	0.219359	0.521515	AT3G28980	hypothetical protein
13335989	2.14	2.74	-1.52	0.420403	0.617454	AT1G05080	F-box domain-containing protein
13376633	2.14	2.82	-1.6	0.349522	0.581308	AT1G47497	RNase H domain-containing protein
13420259	2.14	2.81	-1.6	0.059776	0.395174	AT2G42180	hypothetical protein
13534509	2.14	2.82	-1.61	0.10624	0.438191	PUB15	U-box domain-containing protein 15
13538971	2.14	2.86	-1.65	0.006174	0.280665	AT5G53190	Nodulin MtN3 family protein
13363948	2.14	2.88	-1.66	0.551354	0.700478	AT1G05675	UDP-Glycosyltransferase superfamily protein
13446876	2.14	2.95	-1.76	0.079508	0.414177	PLL3	putative protein phosphatase 2C 36
13467243	2.14	3.01	-1.83	0.200168	0.509474	AT4G10910; KELP	hypothetical protein; RNA polymerase II transcriptional coactivator KELP
13343218	2.14	3.12	-1.97	0.462661	0.643006	AT1G22000	leucine Rich Repeat domain-containing F-box protein
13359305	2.14	3.15	-2	0.255993	0.540442	AT1G75050	pathogenesis-related thaumatin-like protein protein
13374262	2.14	3.19	-2.07	0.254507	0.539817	AT1G30814	hypothetical protein
13477000	2.14	3.21	-2.1	0.279242	0.553698	AT4G33290	F-box/kelch-repeat protein
13487625	2.14	3.22	-2.12	0.447122	0.634142	AT4G21630	Subtilase family protein
13504207	2.14	3.26	-2.17	0.369442	0.591543	AT5G21130	late embryogenesis abundant hydroxyproline-rich glycoprotein
13359373	2.14	3.34	-2.3	0.262408	0.543595	AT1G75260	oxidoreductase
13448373	2.14	3.42	-2.42	0.359767	0.586536	AT3G12410	DEDDy 3'-5' exonuclease domain-containing protein
13368591	2.14	3.43	-2.45	0.001143	0.242634	LHCB6; AT1G15810	light harvesting complex photosystem II subunit 6; S15/NS1, RNA-binding protein

13460712	2.14	3.61	-2.76	0.394824	0.60291	AT3G56260	hypothetical protein
13440799	2.14	3.7	-2.96	0.225539	0.524988	AT3G58000	VQ motif-containing protein
13486325	2.14	3.92	-3.44	0.437119	0.627847		
13528914	2.14	3.92	-3.44	0.437119	0.627847		
13469756	2.14	3.94	-3.49	0.267051	0.546492	AT4G16980	arabinogalactan family protein
13399209	2.14	4.14	-4	0.35565	0.584584	AT2G31050	cupredoxin domain-containing protein
13407663	2.14	4.33	-4.57	0.372187	0.591916	AT2G04080	MATE efflux family protein
13369950	2.14	4.39	-4.75	0.27477	0.550583	AT1G19210	ethylene-responsive transcription factor ERF017
13531800	2.14	4.39	-4.79	0.243819	0.534763	AT5G28491	hypothetical protein
13344824	2.14	4.74	-6.05	0.283581	0.555903	AT1G26773	hypothetical protein
13501308	2.14	4.77	-6.2	0.279986	0.554083	KNU	zinc finger protein KNUCKLES
13410985	2.13	1.73	1.32	0.103054	0.435908	AT2G20616	hypothetical protein
13440273	2.13	1.81	1.25	0.449412	0.635232		
13392661	2.13	1.97	1.12	0.521759	0.680171	AT2G13500	hypothetical protein
13415824	2.13	1.97	1.12	0.252108	0.538677		
13526828	2.13	1.97	1.12	0.709604	0.809039	CSLA11	putative mannan synthase 11
13480059	2.13	2.04	1.07	0.004981	0.268309	AT4G00467	Calcium-dependent lipid-binding (CaLB domain) family protein
13392756	2.13	2.04	1.06	0.727413	0.821284	AT2G13770	hypothetical protein
13498191	2.13	2.06	1.05	0.69938	0.802085	AT5G06030	self-incompatibility S1 family protein
13337925	2.13	2.1	1.02	0.86325	0.914676	AT1G09360	plant invertase/pectin methylesterase inhibitor domain-containing protein
13352643	2.13	2.12	1.01	0.96748	0.980863	AT1G55660	FBD, F-box and leucine rich repeat domain-containing protein
13394905	2.13	2.12	1.01	0.965276	0.979601	AT2G20170	hypothetical protein
13531591	2.13	2.19	-1.04	0.85896	0.911955	AT5G27780	SAUR-like auxin-responsive protein
13459995	2.13	2.19	-1.05	0.860884	0.913387	AT3G54550	hypothetical protein
13472351	2.13	2.19	-1.05	0.560742	0.70643	CRK22	cysteine-rich receptor-like protein kinase 22
13539807	2.13	2.19	-1.05	0.775947	0.85425	AT5G55570	hypothetical protein
13400463	2.13	2.22	-1.06	0.593088	0.728686	AT2G34120	Cytochrome C oxidase polypeptide VIB family protein
13497449	2.13	2.23	-1.07	0.560743	0.70643	NAC077	NAC domain containing protein 77
13395698	2.13	2.26	-1.09	0.44002	0.629683	CYP96A5	cytochrome P450, family 96, subfamily A, polypeptide 5
13472314	2.13	2.26	-1.09	0.560809	0.70643	CRK8	cysteine-rich receptor-like protein kinase 8
13368548	2.13	2.26	-1.1	0.696828	0.800374	AT1G15770	hypothetical protein
13503218	2.13	2.26	-1.1	0.328768	0.574575	AT5G18890	Inosine-uridine preferring nucleoside hydrolase family protein
13339479	2.13	2.28	-1.11	0.420378	0.617454	AT1G12938	hypothetical protein
13454039	2.13	2.27	-1.11	0.740723	0.829627	AT3G26750	hypothetical protein
13464279	2.13	2.28	-1.11	0.305091	0.565001	AT4G01130	GDSL esterase/lipase
13355467	2.13	2.29	-1.12	0.380963	0.596236	AGL23	protein agamous-like 23
13373254	2.13	2.31	-1.13	0.284995	0.556338	LEC2	B3 domain-containing transcription factor LEC2
13460841	2.13	2.3	-1.13	0.562168	0.707535	BZIP49	basic region/leucine zipper motif protein 49
13353772	2.13	2.33	-1.15	0.003621	0.253459	AT1G60400	F-box protein
13392165	2.13	2.33	-1.15	0.170988	0.489004	AT2G07190	hypothetical protein
13452214	2.13	2.34	-1.16	0.164033	0.485558	BGLU19	beta glucosidase 19
13535488	2.13	2.35	-1.16	0.521034	0.679682	AT5G44690	hypothetical protein

13400152	2.13	2.35	-1.17	0.320443	0.570917	RLP27	receptor like protein 27
13440901	2.13	2.37	-1.18	0.485461	0.655211	AT3G58480	calmodulin-binding protein-like protein
13378434	2.13	2.38	-1.19	0.553297	0.701761	AT1G51910	leucine-rich repeat protein kinase-like protein
13521224	2.13	2.42	-1.23	0.467524	0.645255	AT5G02390	hypothetical protein
13371768	2.13	2.46	-1.25	0.195021	0.506017	AT1G23680	hypothetical protein
13381736	2.13	2.48	-1.28	0.35663	0.584728	AT1G61060	F-box protein
13440435	2.13	2.52	-1.31	0.487055	0.656427	AT3G57190	putative peptide chain release factor
13349083	2.13	2.53	-1.32	0.116995	0.446922	AT1G46912	F-box associated ubiquitination effector family protein
13506820	2.13	2.55	-1.34	0.495547	0.662087	AT5G28160	putative F-box/kelch-repeat protein
13527258	2.13	2.55	-1.34	0.098584	0.433275	AT5G17100	cystatin-related protein
13542758	2.13	2.56	-1.34	0.168863	0.487488	LOB	protein LATERAL ORGAN BOUNDARIES
13494015	2.13	2.58	-1.37	0.266804	0.546396	AT4G35837	hypothetical protein
13341705	2.13	2.62	-1.4	0.328736	0.574572	BEE1	transcription factor BEE 1
13355561	2.13	2.61	-1.4	0.478545	0.651345	AS2	LOB domain-containing protein 6
13460341	2.13	2.63	-1.42	0.025689	0.33601	AT3G55240	hypothetical protein
13375703	2.13	2.65	-1.44	0.265664	0.546155	AT1G35537	defensin-like protein 32
13398892	2.13	2.67	-1.46	0.343521	0.579057		
13348549	2.13	2.7	-1.48	0.015906	0.315398	AT1G42980	formin-like protein 12
13420550	2.13	2.71	-1.49	0.036658	0.359695	RLP29	receptor like protein 29
13361206	2.13	2.76	-1.55	0.394443	0.602714	AT1G79770	hypothetical protein
13413778	2.13	2.77	-1.56	0.232085	0.528375	AT2G27420	cysteine proteinase-like protein
13404812	2.13	2.78	-1.57	0.293775	0.560052	AT2G44240	hypothetical protein
13376528	2.13	2.8	-1.59	0.331766	0.576146	RLP6	receptor like protein 6
13465780	2.13	2.8	-1.59	0.240065	0.532904	MSRB6	peptide methionine sulfoxide reductase B6
13453031	2.13	2.8	-1.6	0.404235	0.608534	AT3G23955	F-box family protein
13347523	2.13	2.84	-1.64	0.446295	0.633672	AT1G33710	RNA-directed DNA polymerase (reverse transcriptase)-related family protein
13454683	2.13	2.84	-1.64	0.166069	0.486235	AT3G28007	nodulin MtN3-like protein
13470358	2.13	2.84	-1.64	0.44356	0.631609	AT4G18395	hypothetical protein
13391397	2.13	2.89	-1.7	0.325627	0.57345	AT2G03931	putative defensin-like protein 55
13461506	2.13	3.01	-1.83	0.473684	0.648287	AT3G58250	TRAF-like family protein
13378862	2.13	3.04	-1.88	0.161084	0.483253	AT1G52900	Toll-Interleukin-Resistance domain-containing protein
13408697	2.13	3.07	-1.92	0.416322	0.615562	AT2G13610	ABC transporter G family member 5
13428964	2.13	3.21	-2.12	0.063939	0.400418	AT3G16150	Isoaspartyl peptidase/L-asparaginase 2 subunit beta
13404191	2.13	3.21	-2.13	0.109036	0.440715	AT2G42720	FBD, F-box, Skp2-like and leucine rich repeat domain-containing protein
13418891	2.13	3.22	-2.13	0.340699	0.578277	SNZ	AP2-like ethylene-responsive transcription factor SNZ
13415110	2.13	3.25	-2.17	0.106764	0.439045	CYP71A12	cytochrome P450 71A12
13468451	2.13	3.25	-2.17	0.358465	0.585867	AT4G14315	hypothetical protein
13489877	2.13	3.45	-2.51	0.188817	0.502829	WRKY34	putative WRKY transcription factor 34
13514632	2.13	3.63	-2.82	0.324579	0.573051	AT5G53740; AT5G53742	hypothetical protein
13542841	2.13	3.63	-2.82	0.378848	0.594685	AT5G63240	carbohydrate-binding X8 domain-containing protein

13516304	2.13	3.71	-3	0.136134	0.465036	AT5G57747	hypothetical protein
13521002	2.13	3.92	-3.46	0.329686	0.575101	AT5G01734	hypothetical protein
13436929	2.13	4.04	-3.75	0.448495	0.635002	CYP71A21	cytochrome P450 71A21
13452598	2.12	1.66	1.37	0.051915	0.382324	AT3G22436	hypothetical protein
13402440	2.12	1.86	1.19	0.327457	0.574286	CDKB1;2	cyclin-dependent kinase B1-2
13525075	2.12	1.89	1.17	0.146236	0.470765	AT5G12070	self-incompatibility S1 family protein
13465404	2.12	1.96	1.12	0.004165	0.262292	AT4G03565	cystatin-related domain-containing protein
13341101	2.12	1.96	1.12	0.492571	0.660001	AT1G16950	hypothetical protein
13482178	2.12	1.95	1.12	0.131776	0.46184	AT4G08190	putative Ras-related GTP-binding protein
13532237	2.12	2.02	1.07	0.573284	0.715119	AT5G35480	hypothetical protein
13507373	2.12	2.08	1.03	0.017025	0.319106	CYP71B8	cytochrome P450, family 71, subfamily B, polypeptide 8
13342090	2.12	2.09	1.02	0.912255	0.94677	RKF2	receptor-like serine/threonine kinase 2
13468114	2.12	2.1	1.01	0.852957	0.907469	AT4G13320	hypothetical protein
13488943	2.12	2.15	-1.02	0.309116	0.566642	AGL24	MADS-box protein AGL24
13453571	2.12	2.17	-1.04	0.766393	0.847256	CYP82G1	cytochrome P450, family 82, subfamily G, polypeptide 1
13453974	2.12	2.18	-1.05	0.51824	0.67753	AT3G26550	cysteine/histidine-rich C1 domain-containing protein
13356655	2.12	2.2	-1.06	0.760213	0.842902	AT1G68600	Aluminum activated malate transporter family protein
13419791	2.12	2.22	-1.07	0.454181	0.637573	AT2G41415	maternally expressed family protein
13398244	2.12	2.24	-1.08	0.400984	0.606349	GATA13	putative GATA transcription factor 13
13415982	2.12	2.24	-1.08	0.474681	0.649022	AT2G32790	ubiquitin-conjugating enzyme E2 D/E
13456419	2.12	2.24	-1.08	0.423409	0.619098	AT3G45570	RING/U-box protein with C6HC-type zinc finger domain
13451366	2.12	2.26	-1.1	0.359811	0.586536	AT3G19530; AT3G19520	hypothetical protein
13544531	2.12	2.26	-1.1	0.052036	0.382443	AT5G66990	RWP-RK domain-containing protein
13461314	2.12	2.26	-1.11	0.033644	0.354018	AT3G57640	protein kinase family protein
13352544	2.12	2.28	-1.11	0.66209	0.77585	NDF5	NDH-dependent cyclic electron flow 5
13375813	2.12	2.31	-1.14	0.199239	0.508651	AT1G36078	hypothetical protein
13467078	2.12	2.32	-1.15	0.71505	0.81272		
13483290	2.12	2.32	-1.15	0.087019	0.422399	AT4G11745	kelch repeat-containing protein
13507963	2.12	2.32	-1.15	0.120857	0.45228	AT5G38170	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13526337	2.12	2.33	-1.15	0.32602	0.573645	AT5G15008	hypothetical protein
13396571	2.12	2.35	-1.18	0.302807	0.563999	TPS10	myrcene/ocimene synthase
13530138	2.12	2.36	-1.18	0.374446	0.593017	AT5G24080	protein kinase family protein
13364561	2.12	2.38	-1.19	0.642969	0.761945	MAPKKK13	mitogen-activated protein kinase kinase kinase 13
13434423	2.12	2.37	-1.19	0.587112	0.72546	AT3G28820	hypothetical protein
13372036	2.12	2.38	-1.2	0.34075	0.578295	03-Sep	developmental protein SEPALLATA 3
13461808	2.12	2.39	-1.2	0.695756	0.799405	AT3G58910	putative F-box protein
13509868	2.12	2.42	-1.22	0.529357	0.685978	AT5G42910	abscisic acid-insensitive 5-like protein 8
13390431	2.12	2.41	-1.23	0.202631	0.510485	AT2G01360	pentatricopeptide (PPR) repeat-containing protein
13420437	2.12	2.41	-1.23	0.412408	0.61329	AT2G42560	late embryogenesis abundant domain-containing protein
13426630	2.12	2.43	-1.24	0.27164	0.548926	AT3G10845	RNA recognition motif-containing protein

13431902	2.12	2.43	-1.24	0.332274	0.576298	AT3G22510	Pre-rRNA-processing protein TSR2
13398351	2.12	2.44	-1.25	0.514163	0.674918	PRS	WUSCHEL-related homeobox 3
13532781	2.12	2.44	-1.25	0.084266	0.418249	THI2.2	thionin 2.2
13524885	2.12	2.47	-1.28	0.151661	0.473918	TINY2	dehydration-responsive element-binding protein 3
13447449	2.12	2.49	-1.29	0.558888	0.705222	AT3G10595	myb family transcription factor-like protein
13515345	2.12	2.54	-1.34	0.327792	0.574416	AT5G55410	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13405525	2.12	2.56	-1.36	0.107926	0.439862	AT2G45840	hypothetical protein
13391894	2.12	2.57	-1.37	0.409272	0.610961	AT2G05600	F-box associated ubiquitination effector family protein
13465051	2.12	2.61	-1.41	0.348091	0.580705	AT4G02655	hypothetical protein
13346807	2.12	2.64	-1.44	0.362108	0.587911	AT1G31772	defensin-like protein 316
13477753	2.12	2.66	-1.45	0.024468	0.333211	ARO1	armadillo repeat only 1 protein
13396559	2.12	2.67	-1.46	0.260823	0.542969		
13528681	2.12	2.72	-1.51	0.404561	0.608722	AT5G20390	putative beta-1,3-glucanase
13369829	2.12	2.74	-1.54	0.053286	0.383838	AT1G18770	RING/U-box domain-containing protein
13359944	2.12	2.77	-1.57	0.404052	0.608498	AT1G76750	hypothetical protein
13450831	2.12	2.76	-1.57	0.37354	0.592568	AT3G18330	F-box protein
13395617	2.12	2.83	-1.63	0.405711	0.609101	AT2G21725	putative defensin-like protein 79
13407886	2.12	2.89	-1.7	0.022199	0.326278	AT2G04870	hypothetical protein
13401625	2.12	2.91	-1.72	0.123989	0.453788	AT2G36632	hypothetical protein
13423682	2.12	2.94	-1.76	0.144063	0.469314	AT3G03290	Adenine nucleotide alpha hydrolases-like protein
13409390	2.12	3	-1.83	0.069775	0.406403	AT2G16676	hypothetical protein
13499785	2.12	3.07	-1.94	0.037564	0.361219	PROPEP5	elicitor peptide 5
13385132	2.12	3.13	-2.02	0.354661	0.584383	AT1G68907	putative defensin-like protein 263
13531186	2.12	3.17	-2.06	0.322217	0.571523	AT5G26262	hypothetical protein
13460163	2.12	3.18	-2.09	0.04856	0.37767	LHCA1	light-harvesting complex I chlorophyll a/b binding protein 1
13384409	2.12	3.3	-2.25	0.371428	0.591914	AT1G67290	glyoxal oxidase-related protein
13533566	2.12	3.43	-2.48	0.220308	0.52188	AT5G39530	hypothetical protein
13455169	2.12	3.48	-2.57	0.356553	0.584728	AT3G29385	hypothetical protein
13348423	2.12	3.61	-2.8	0.326023	0.573645	AT1G40129	hypothetical protein
13411229	2.12	3.71	-3.02	0.087093	0.422399	PRP2	proline-rich protein 2
13409075	2.12	3.75	-3.1	0.413166	0.613673	AT2G15740	C2H2-like zinc finger protein
13449066	2.12	3.77	-3.14	0.307182	0.56579	AT3G13680	F-box/kelch-repeat protein
13351046	2.12	3.85	-3.33	0.209284	0.514693	AT1G51915	cryptdin-related protein
13426336	2.12	4.42	-4.91	0.383588	0.597744	AT3G10185	Gibberellin-regulated family protein
13529752	2.11	1.57	1.45	0.166129	0.486235		
13383941	2.11	1.77	1.27	0.16189	0.483588	AT1G66320	FBD-associated F-box protein
13505630	2.11	1.78	1.25	0.047562	0.37767	SHN2	ethylene-responsive transcription factor SHINE 3
13402961	2.11	1.79	1.24	0.099844	0.434356	AT2G39851	Proteinase inhibitor, propeptide
13351323	2.11	1.86	1.18	0.203327	0.510709	AT1G52650	F-box/LRR-repeat protein
13409797	2.11	1.87	1.18	0.127511	0.45753	AT2G17785	zinc-binding protein-like protein
13514097	2.11	1.88	1.17	0.620765	0.747434	AT5G52690	copper transport family protein
13383834	2.11	1.9	1.16	0.141618	0.467992	AT1G66100	thionin
13471416	2.11	1.89	1.16	0.10571	0.437428	ATDOF4.2	Dof zinc finger protein DOF4.2
13511443	2.11	1.97	1.1	0.777244	0.854956	AT5G46871	defensin-like protein 308

13481819	2.11	2.01	1.07	0.849784	0.905374	AT4G04957	hypothetical protein
13366977	2.11	2.02	1.06	0.640817	0.76056	AT1G12190	F-box and associated interaction domain-containing protein
13502869	2.11	2.09	1.02	0.917306	0.949927	AT5G18090	AP2/B3 domain-containing protein
13359627	2.11	2.09	1.01	0.897567	0.936817	ATA27	beta-glucosidase 20
13470115	2.11	2.1	1.01	0.90922	0.944786	AT4G17850	hypothetical protein
13492711	2.11	2.09	1.01	0.836017	0.896417	ATH1	homeobox protein ATH1
13397422	2.11	2.15	-1.03	0.358839	0.585867	AT2G26450	plant invertase/pectin methylesterase inhibitor domain-containing protein
13536395	2.11	2.16	-1.04	0.71785	0.814574	AT5G47000	peroxidase 65
13394378	2.11	2.19	-1.06	0.762479	0.844325	VEL2	vernalization5/VIN3-like protein
13521980	2.11	2.19	-1.06	0.719769	0.816136	KCS19	3-ketoacyl-CoA synthase 21
13401833	2.11	2.2	-1.07	0.365158	0.589672	AT2G37140	terpene synthase/cyclase-like protein
13380414	2.11	2.23	-1.09	0.638897	0.759539	AT1G56400	F-box protein
13393710	2.11	2.23	-1.09	0.180419	0.495835	AT2G17305	hypothetical protein
13452257	2.11	2.23	-1.09	0.623396	0.749045	AT3G21450	protein kinase family protein
13540639	2.11	2.29	-1.13	0.292655	0.559559	AT5G57720	AP2/B3 domain-containing protein
13349807	2.11	2.32	-1.15	0.41379	0.614016	AT1G48980	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase-like protein
13417440	2.11	2.35	-1.17	0.376687	0.593542	HVA22J	HVA22-like protein j
13466183	2.11	2.37	-1.19	0.63172	0.754742	AT4G07868	hypothetical protein
13455428	2.11	2.38	-1.2	0.098835	0.433682	AT3G32050	hypothetical protein
13491730	2.11	2.37	-1.2	0.375672	0.593207	AT4G30830	hypothetical protein
13380905	2.11	2.42	-1.24	0.200724	0.509845	HO4	heme oxygenase 4
13483534	2.11	2.44	-1.25	0.28474	0.55631	CYP706A5	cytochrome P450, family 706, subfamily A, polypeptide 5
13393715	2.11	2.48	-1.29	0.064665	0.401596	SON1	protein SUPPRESSOR OF NIM1 1
13441552	2.11	2.5	-1.31	0.311763	0.567081	AT3G60000	hypothetical protein
13535984	2.11	2.5	-1.32	0.588608	0.726433	SCRL27	defensin-like protein 229
13538564	2.11	2.51	-1.32	0.345401	0.580183	AT5G52140	RING/U-box domain-containing protein
13468588	2.11	2.52	-1.33	0.208415	0.514037	CAM8	calmodulin-like protein 8
13498193	2.11	2.54	-1.35	0.135237	0.464042	AT5G06040	self-incompatibility protein-like protein
13523146	2.11	2.55	-1.35	0.188305	0.50257	GRP16	glycine-rich protein 16
13524206	2.11	2.55	-1.35	0.523856	0.681693	ANN6; AT5G10210	annexin D6; hypothetical protein
13348195	2.11	2.57	-1.37	0.0622	0.398248	LBD5	LOB domain-containing protein 5
13431664	2.11	2.58	-1.38	0.001492	0.249401	AT3G22057	hypothetical protein
13519853	2.11	2.6	-1.4	0.324194	0.572955	XTH6	xyloglucan:xyloglucosyl transferase
13486920	2.11	2.61	-1.42	0.500599	0.665424	AT4G19430	hypothetical protein
13493270	2.11	2.63	-1.43	0.014945	0.313167	AT4G33905	Peroxisomal membrane 22 kDa (Mpv17/PMP22) family protein
13439008	2.11	2.65	-1.46	0.123169	0.453558	AT3G53600	C2H2-type zinc finger protein
13408680	2.11	2.69	-1.5	0.112804	0.443921	AT2G13450	hypothetical protein
13486227	2.11	2.73	-1.53	0.437977	0.628329	AT4G17718	putative defensin-like protein 307
13336921	2.11	2.74	-1.54	0.008203	0.292364	AT1G07330	hypothetical protein
13507002	2.11	2.73	-1.54	0.329429	0.574887	AT5G28960	hypothetical protein
13445049	2.11	2.76	-1.57	0.225285	0.524988	AT3G05602	hypothetical protein
13477576	2.11	2.81	-1.63	0.144001	0.469307	KCS17	3-ketoacyl-CoA synthase 17
13499437	2.11	2.82	-1.64	0.194345	0.505856	AT5G08695	RNA-binding (RRM/RBD/RNP motifs) family protein
13396974	2.11	2.83	-1.65	0.46709	0.645076		

13349817	2.11	2.85	-1.68	0.406411	0.609532	AT1G48990	Oleosin-like protein
13533503	2.11	2.91	-1.74	0.066232	0.403288	EXP26	putative expansin-A26
13361737	2.11	2.96	-1.8	0.454061	0.637478	AT1G80865	hypothetical protein
13437088	2.11	2.97	-1.82	0.398497	0.605002	AT3G48660	hypothetical protein
13534881	2.11	2.97	-1.82	0.137976	0.46568	WRKY49	putative WRKY transcription factor 49
13490539	2.11	3.07	-1.95	0.374662	0.593129	HSP21	heat shock protein 21
13481977	2.11	3.11	-2	0.332949	0.576298	AT4G05490	putative F-box/LRR-repeat protein 22
13466111	2.11	3.12	-2.02	0.212186	0.517359	AT4G06479	nucleic acid binding / zinc ion binding protein
13496804	2.11	3.2	-2.13	0.21635	0.519792	AT5G02990	kelch repeat-containing protein
13454287	2.11	3.21	-2.15	0.414876	0.614208	AT3G27140	putative protein phosphatase 2C-like protein 45
13524523	2.11	3.36	-2.38	0.391269	0.600721	AT5G10760	aspartyl protease family protein
13433248	2.11	3.56	-2.72	0.246627	0.535608	AOC2	allene oxide cyclase 2
13466746	2.11	3.71	-3.02	0.284186	0.556096	AT4G09545	ECA1 gametogenesis related family protein
13391328	2.11	3.84	-3.32	0.046071	0.376884	MRH6	adenine nucleotide alpha hydrolases-like protein
13381848	2.11	4.39	-4.85	0.301059	0.563852	AT1G61353	hypothetical protein
13515488	2.11	4.49	-5.21	0.36868	0.591092	AT5G55800	cysteine/histidine-rich C1 domain-containing protein
13382362	2.11	4.58	-5.53	0.18693	0.50131	AT1G62510	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13435327	2.1	1.74	1.28	0.054563	0.386003	AT3G44115	hypothetical protein
13464167	2.1	1.74	1.28	0.151702	0.473983	AT4G00920	COP1-interacting protein-like protein
13355949	2.1	1.85	1.19	0.094627	0.431062	AT1G66850	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13545507	2.1	1.95	1.11	0.661836	0.775682		
13460346	2.1	2.01	1.06	0.710981	0.809866	AT3G55252	self-incompatibility S1 family protein
13515091	2.1	2.03	1.05	0.528888	0.685594	AT5G54820	putative F-box/LRR-repeat protein
13343926	2.1	2.04	1.04	0.462958	0.643066	AT1G23810	amphipathic helix repeat-containing protein
13485617	2.1	2.05	1.04	0.698608	0.801619		
13448595	2.1	2.06	1.03	0.393495	0.602263	AT3G12840	hypothetical protein
13477510	2.1	2.05	1.03	0.730303	0.823474	AT4G34400	AP2/B3 domain-containing protein
13496811	2.1	2.12	-1.01	0.912013	0.946622	AT5G03010	kelch repeat-containing protein
13391611	2.1	2.12	-1.02	0.930436	0.957572	AT2G04500	cysteine/histidine-rich C1 domain-containing protein
13410491	2.1	2.15	-1.03	0.302323	0.563905	AT2G19780	leucine-rich repeat-containing protein
13436418	2.1	2.19	-1.06	0.494616	0.66136	TIP5;1	putative aquaporin TIP5-1
13527233	2.1	2.23	-1.09	0.543535	0.694681	AT5G17040	UDP-glucoronosyl/UDP-glucosyl transferase family protein
13383684	2.1	2.26	-1.11	0.535556	0.689448	AT1G65780	DNA helicase domain-containing protein
13481659	2.1	2.26	-1.11	0.440661	0.629929	AT4G04730	hypothetical protein
13444294	2.1	2.26	-1.12	0.663079	0.776281	AT3G03847	SAUR-like auxin-responsive protein
13381620	2.1	2.28	-1.14	0.323427	0.572607	AT1G60913	Rapid alkalinization factor (RALF) family protein
13374714	2.1	2.33	-1.17	0.119071	0.449468	AT1G32020	F-box protein
13399201	2.1	2.34	-1.18	0.638946	0.759566	ORP1B	oxysterol binding protein-related protein 1B
13461577	2.1	2.34	-1.18	0.097339	0.433165	AT3G58390	Eukaryotic release factor 1 (eRF1) family protein
13391314	2.1	2.37	-1.2	0.301867	0.563858	04-Sep	agamous-like MADS-box protein AGL3
13347584	2.1	2.4	-1.23	0.459742	0.640963	AT1G33910	putative avirulence-responsive protein

13443957	2.1	2.42	-1.25	0.343589	0.579057	AT3G03230	alpha/beta-hydrolase domain-containing protein
13425983	2.1	2.45	-1.27	0.220732	0.522047	AT3G09130	hypothetical protein
13499083	2.1	2.46	-1.28	0.37239	0.591983	AT5G08055	putative defensin-like protein 25
13538212	2.1	2.47	-1.29	0.023992	0.332187	AT5G51195	hypothetical protein
13378118	2.1	2.48	-1.3	0.129402	0.459395	AT1G51230	Plant self-incompatibility protein S1 family
13530374	2.1	2.48	-1.3	0.338348	0.577332	CID13	CTC-interacting domain 13 protein
13441914	2.1	2.5	-1.31	0.386902	0.598595	AT3G60780	hypothetical protein
13374602	2.1	2.51	-1.33	0.06307	0.398838	BGAL15	beta-galactosidase 15
13455595	2.1	2.51	-1.33	0.134419	0.463251	AT3G42725	Putative membrane lipoprotein
13495777	2.1	2.52	-1.34	0.07559	0.410503	AT4G39590	F-box/kelch-repeat protein
13516331	2.1	2.55	-1.36	0.298957	0.562461	AT5G57820; AT5G57830	zinc ion binding protein; hypothetical protein
13508078	2.1	2.55	-1.37	0.385037	0.598088	AT5G38440	self-incompatibility S1 family protein
13452801	2.1	2.56	-1.38	0.216582	0.519792	LCR39	putative defensin-like protein 185
13408747	2.1	2.65	-1.46	0.236782	0.530962	AT2G13980	RNase H domain-containing protein
13390980	2.1	2.66	-1.47	0.212758	0.517863	AT2G02795	hypothetical protein
13360042	2.1	2.68	-1.49	0.345225	0.580035	AT1G76994	hypothetical protein
13451893	2.1	2.81	-1.65	0.093656	0.430403	AT3G20680; HTA13	hypothetical protein; histone H2A 13
13361985	2.1	2.85	-1.68	0.02833	0.345756	AT1G01453	hypothetical protein
13416014	2.1	2.87	-1.7	0.332968	0.576298	RALFL16	RALF-like 16 protein
13465984	2.1	2.88	-1.72	0.393345	0.602146	AT4G05270	ubiquitin family protein
13466420	2.1	2.88	-1.72	0.181269	0.496704	AT4G08593	hypothetical protein
13509102	2.1	2.89	-1.72	0.553127	0.701701	AGL75	protein agamous-like 75
13342538	2.1	2.93	-1.78	0.049509	0.378802	AT1G20135	GDSL-like lipase/acylhydrolase-like protein
13335711	2.1	3.16	-2.07	0.006758	0.285606	AT1G04350	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase-like protein
13424105	2.1	3.29	-2.29	0.056689	0.390057	AT3G04410	no apical meristem-domain containing transcriptional regulator
13340799	2.1	3.44	-2.53	0.306458	0.565397	03-Oct	organic cation/carnitine transporter 3
13506293	2.1	4.28	-4.55	0.306537	0.565397	AGL39	protein agamous-like 39
13532636	2.1	4.31	-4.65	0.370996	0.591914	AT5G36550	ECA1 gametogenesis related family protein
13454526	2.09	1.71	1.3	0.267664	0.546492	AOX1C	alternative oxidase 1C
13376152	2.09	1.88	1.16	0.326036	0.573645	AT1G43665	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13456410	2.09	1.88	1.16	0.522712	0.680946	AT3G45555	RING/U-box protein
13510091	2.09	1.89	1.15	0.375417	0.593207	AT5G43570	Serine protease inhibitor, potato inhibitor I-type family protein
13514902	2.09	1.96	1.1	0.038577	0.364412	AT5G54360	C2H2-like zinc finger protein
13449090	2.09	1.97	1.09	0.674158	0.784204		
13498189	2.09	1.99	1.08	0.625882	0.750499	AT5G06020	self-incompatibility S1 family protein
13532316	2.09	1.98	1.08	0.159493	0.481832	AT5G35610	paired amphipathic helix repeat-containing protein
13398553	2.09	2	1.06	0.623667	0.749079	AT2G29310	tropine dehydrogenase
13410402	2.09	2.1	-1.01	0.898255	0.937208	AT2G19550	alpha/beta-hydrolase-like protein
13380439	2.09	2.11	-1.02	0.778304	0.855725	AT1G56520	TIR-NBS-LRR class disease resistance protein
13536202	2.09	2.12	-1.02	0.870937	0.919819	AT5G46295	hypothetical protein
13430069	2.09	2.14	-1.03	0.626924	0.751229		
13435747	2.09	2.19	-1.07	0.638706	0.759393	GATA14	GATA transcription factor 14

13483594	2.09	2.19	-1.07	0.729709	0.822999	AT4G12430; CPuORF26	haloacid dehalogenase-like hydrolase domain-containing protein; uncharacerized protein
13480550	2.09	2.2	-1.08	0.028604	0.346882	NAC067	NAC domain containing protein 67
13538900	2.09	2.23	-1.1	0.473228	0.648252	AT5G53040	RWP-RK domain-containing protein
13515419	2.09	2.24	-1.11	0.491344	0.659269	AT5G55620	hypothetical protein
13379684	2.09	2.26	-1.12	0.637112	0.758584	AT1G54980	plant invertase/pectin methylesterase inhibitor domain-containing protein
13544582	2.09	2.25	-1.12	0.44394	0.631898	AT5G67120	RING/U-box domain-containing protein
13496789	2.09	2.28	-1.14	0.522247	0.680528	AT5G02950	PWWP domain-containing protein
13427063	2.09	2.33	-1.19	0.101163	0.434782	AT3G11990	hypothetical protein
13442591	2.09	2.35	-1.19	0.206055	0.512769	AT3G62230	F-box protein
13448791	2.09	2.35	-1.2	0.425699	0.620646	WBC27	ABC-2 type transporter family protein
13400665	2.09	2.4	-1.24	0.195536	0.506402	AGL29	protein agamous-like 29
13514731	2.09	2.41	-1.25	0.101025	0.434702		
13339332	2.09	2.42	-1.26	0.295029	0.56088	AT1G12540	basic helix-loop-helix domain-containing protein
13354641	2.09	2.42	-1.26	0.119114	0.449468	AT1G63206	cystatin-related domain protein
13408097	2.09	2.44	-1.27	0.475119	0.649368	AT2G06090	self-incompatibility S1 family protein
13484041	2.09	2.44	-1.28	0.14756	0.471644	AT4G13490	RING/U-box domain-containing protein
13358502	2.09	2.46	-1.29	0.389701	0.599938	TIR	toll/interleukin-1 receptor-like protein
13385942	2.09	2.47	-1.31	0.049926	0.379325	AT1G71050	heavy-metal-associated domain-containing protein
13498136	2.09	2.48	-1.31	0.279429	0.553724	AT5G05910	RING/U-box domain-containing protein
13353157	2.09	2.49	-1.32	0.341768	0.578744		
13350719	2.09	2.5	-1.33	0.157849	0.480388	AT1G51290	putative F-box only protein 10
13396094	2.09	2.51	-1.33	0.103674	0.436308	AT2G22905	hypothetical protein
13394208	2.09	2.53	-1.36	0.081907	0.41692	AT2G18490	C2H2-like zinc finger protein
13441485	2.09	2.55	-1.38	0.072582	0.408352	MPK10	mitogen-activated protein kinase 10
13483481	2.09	2.57	-1.4	0.067615	0.405582	AT4G12100	cullin-like protein 5
13378141	2.09	2.58	-1.41	0.425285	0.620391	AT1G51300	acyl-protein thioesterase-related protein
13461050	2.09	2.6	-1.43	0.11397	0.444968	AT3G57100	hypothetical protein
13537211	2.09	2.63	-1.46	0.116977	0.446922	AT5G48860	hypothetical protein
13347035	2.09	2.64	-1.47	0.474078	0.648693	AT1G32280	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13408444	2.09	2.7	-1.53	0.219202	0.521369	AT2G10440	hypothetical protein
13454712	2.09	2.7	-1.53	0.224891	0.524988	AT3G28216	hypothetical protein
13378401	2.09	2.71	-1.54	0.225452	0.524988	RHS6	protein root hair specific 6
13533516	2.09	2.71	-1.54	0.183367	0.498165	AT5G39365	putative defensin-like protein 40
13349853	2.09	2.73	-1.55	0.017664	0.319218	AT1G49110	hypothetical protein
13367095	2.09	2.77	-1.6	0.422651	0.618767	AT1G12570	glucose-methanol-choline (GMC) oxidoreductase-like protein
13378661	2.09	2.85	-1.7	0.248661	0.536531	AT1G52343	hypothetical protein
13506729	2.09	2.9	-1.75	0.051712	0.382313	AT5G27945	cell division cycle 20, cofactor of APC complex
13334415	2.09	2.96	-1.83	0.342018	0.578823	FRO1	ferric reduction oxidase 1
13427538	2.09	3.08	-1.98	0.146305	0.470765	AT3G13228	RING/U-box domain-containing protein
13368178	2.09	3.24	-2.21	0.456096	0.638899	AT1G14940	major latex-related protein
13436596	2.09	3.31	-2.32	0.134201	0.463251	ATH5	ABC transporter A family member 6

13375706	2.09	3.47	-2.61	0.374801	0.593164	AT1G35550	elongation factor Tu C-terminal domain-containing protein
13402136	2.09	3.51	-2.68	0.358001	0.585565	AT2G37910; emb1513	putative cation/hydrogen exchanger (CHX21); copper ion transmembrane transporter
13466805	2.09	3.78	-3.23	0.335622	0.576654	AT4G09690	cysteine/histidine-rich C1 domain-containing protein
13412377	2.09	3.81	-3.3	0.285792	0.556682	FLA3	fasciclin-like arabinogalactan protein 3
13348410	2.09	3.82	-3.32	0.41855	0.616426	AT1G40104	hypothetical protein
13410166	2.09	3.95	-3.63	0.186662	0.500853	AT2G18810	hypothetical protein
13532644	2.09	4.47	-5.21	0.400533	0.606154	AT5G36659; AT5G36661; AT5G36738	ECA1 gametogenesis related family protein
13532691	2.09	4.47	-5.21	0.400533	0.606154	AT5G36659; AT5G36661; AT5G36738	ECA1 gametogenesis related family protein
13539121	2.09	4.5	-5.31	0.343534	0.579057	AT5G53780	hypothetical protein
13395589	2.08	1.74	1.27	0.52085	0.679482	MEE3	maternal effect embryo arrest 3 protein
13366975	2.08	1.83	1.19	0.202724	0.510485	AT1G12170	putative F-box/kelch-repeat protein
13482637	2.08	1.85	1.17	0.627722	0.751739	LCR34	putative defensin-like protein 142
13533631	2.08	1.87	1.16	0.176125	0.492524		
13501930	2.08	1.89	1.14	0.353895	0.584029	AT5G15725	hypothetical protein
13453771	2.08	1.92	1.12	0.568594	0.71147	AT3G25880	Rossmann-fold NAD(P)-binding domain-containing protein
13534370	2.08	1.93	1.11	0.725354	0.820062		
13533682	2.08	1.94	1.1	0.295053	0.56088	AT5G39870	hypothetical protein
13382500	2.08	1.96	1.09	0.067745	0.405735		
13371535	2.08	1.97	1.08	0.012789	0.304248	AT1G23240	caleosin-related protein
13506476	2.08	2	1.06	0.694249	0.798443	AT5G27495	defensin-like protein 113
13392125	2.08	2.09	-1.01	0.961759	0.97749	PRK2A	leucine-rich repeat protein kinase-like protein
13447684	2.08	2.09	-1.01	0.58709	0.72546	AT3G10990	F-box associated ubiquitination effector-like protein
13456037	2.08	2.12	-1.03	0.892591	0.933856		
13353564	2.08	2.14	-1.04	0.849295	0.905089	AT1G59790	putative cullin-like protein 2
13364507	2.08	2.14	-1.04	0.253568	0.539346	AT1G07060	hypothetical protein
13461544	2.08	2.13	-1.04	0.614089	0.74268	AT3G58320	Ubiquitin-specific protease family C19-related protein
13471965	2.08	2.13	-1.04	0.099884	0.434356	AT4G22030	putative F-box protein
13509211	2.08	2.14	-1.05	0.355499	0.584538	AT5G41530	hypothetical protein
13374307	2.08	2.18	-1.07	0.751462	0.837161	AT1G30920	F-box domain-containing protein
13488463	2.08	2.17	-1.07	0.494341	0.661103	CRK21	cysteine-rich receptor-like protein kinase 21
13533222	2.08	2.17	-1.07	0.742479	0.8309	AT5G38320	hypothetical protein
13458061	2.08	2.21	-1.1	0.126257	0.455497	AT3G49970	Phototropic-responsive NPH3 family protein
13415788	2.08	2.22	-1.11	0.25552	0.540321	AT2G32140	transmembrane receptor protein
13349739	2.08	2.24	-1.12	0.642289	0.761474	AT1G48820	terpene synthase/cyclase family protein
13361957	2.08	2.23	-1.12	0.461165	0.642085	AT1G01390	hydroquinone glucosyltransferase
13411393	2.08	2.25	-1.12	0.432954	0.625185	AT2G21465	defensin-like protein 291
13443803	2.08	2.27	-1.14	0.108322	0.440233	AT3G02810	protein kinase domain-containing protein
13464783	2.08	2.27	-1.14	0.63307	0.755723	AT4G02170	hypothetical protein

13494710	2.08	2.3	-1.17	0.15653	0.47918	AT4G37290	hypothetical protein
13400401	2.08	2.32	-1.18	0.508089	0.671136	RALFL19	ralf-like 19 protein
13474052	2.08	2.32	-1.18	0.093545	0.430403	AT4G26920	StAR-related lipid-transfer protein
13384372	2.08	2.33	-1.19	0.156472	0.479127	TCP1	transcription factor TCP1
13430760	2.08	2.33	-1.19	0.221759	0.52294	AT3G19940	sugar transport protein 10
13371718	2.08	2.34	-1.2	0.596504	0.730813	AT1G23590	hypothetical protein
13395513	2.08	2.39	-1.24	0.461016	0.642008	AT2G21530	SMAD/FHA domain-containing protein
13509205	2.08	2.39	-1.24	0.470795	0.647239	AT5G41490	F-box associated ubiquitination effector protein
13450621	2.08	2.41	-1.26	0.486112	0.655743	AT3G17550	haloacid dehalogenase-like hydrolase domain-containing protein
13381414	2.08	2.44	-1.28	0.030707	0.350098	ABC4	1,4-dihydroxy-2-naphthoate octaprenyltransferase
13438886	2.08	2.44	-1.29	0.167383	0.486855	CYP71B5	cytochrome P450 71B5
13531593	2.08	2.45	-1.29	0.09673	0.43273	AT5G27790	protein kinase family protein
13469357	2.08	2.45	-1.3	0.268906	0.54764	AT4G16015	cysteine/histidine-rich C1 domain-containing protein
13536035	2.08	2.48	-1.32	0.397632	0.604517	AT5G46025	Ras-related small GTP-binding family protein
13459405	2.08	2.49	-1.33	0.055463	0.387926	AT3G53294	hypothetical protein
13538033	2.08	2.55	-1.38	0.241779	0.53365	AT5G50790	nodulin MtN3-like protein
13375438	2.08	2.58	-1.42	0.427008	0.62135	ARF12	auxin response factor 12
13374537	2.08	2.59	-1.43	0.152756	0.475521	AT1G31530	DNAse I-like protein
13529495	2.08	2.61	-1.44	0.140947	0.467457	AT5G22680	hypothetical protein
13340153	2.08	2.66	-1.49	0.052271	0.382608	PAP3	purple acid phosphatase 3
13366869	2.08	2.71	-1.55	0.238842	0.532292	AT1G11925	stigma-specific stig1-like protein
13405778	2.08	2.77	-1.61	0.472669	0.648172	AT2G46375	hypothetical protein
13545727	2.08	2.77	-1.61	0.392626	0.601642	AT2G32905	hypothetical protein
13495705	2.08	2.82	-1.67	0.318133	0.569548	PLS	POLARIS protein
13400186	2.08	2.85	-1.71	0.229569	0.527103	ACHT3	thioredoxin-like 1-3
13386195	2.08	2.93	-1.81	0.352798	0.583317	AT1G71866	hypothetical protein
13517225	2.08	2.97	-1.86	0.022831	0.329754	AT5G59860	RNA recognition motif-containing protein
13544536	2.08	2.98	-1.86	0.348495	0.580717	AT5G67000	ethylene-responsive transcription factor ERF122
13363046	2.08	3.01	-1.9	0.016688	0.316275	SDD1	Subtilase-like protein
13515359	2.08	3.1	-2.03	0.309584	0.566861	AT5G55450	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13351716	2.08	3.11	-2.04	0.335638	0.576654	AT1G53550	F-box family protein
13386240	2.08	3.16	-2.12	0.409426	0.610961	AT1G72110	O-acyltransferase (WSD1-like) family protein
13400925	2.08	3.2	-2.17	0.346553	0.58045	AT2G35090	hypothetical protein
13532076	2.08	3.31	-2.35	0.356235	0.584728	AT5G34829	hypothetical protein
13347510	2.08	3.59	-2.86	0.214923	0.519459	AT1G33670	leucine-rich repeat protein
13391578	2.08	3.61	-2.87	0.420201	0.617352	AT2G04420	RNase H domain-containing protein
13512693	2.08	3.67	-3.02	0.394343	0.602714	AT5G49590	hypothetical protein
13505605	2.08	4.05	-3.91	0.442781	0.631085	AT5G25330	Core-2/I-branching beta-1,6-N-acetylglucosaminyltransferase family protein
13534576	2.08	4.56	-5.58	0.068711	0.406403	AT5G42510	disease resistance-responsive, dirigent domain-containing protein
13507847	2.07	1.83	1.18	0.596112	0.730459	AT5G37760	chaperone DnaJ-domain containing protein

13432089	2.07	1.89	1.13	0.109079	0.440715	SUP	transcriptional regulator SUperMAN
13533038	2.07	1.89	1.13	0.660961	0.775368	UBQ9	polyubiquitin 9
13410447	2.07	1.93	1.1	0.576523	0.71706	AT2G19630	F-box protein
13458386	2.07	1.99	1.06	0.181946	0.496996	AT3G50682	hypothetical protein
13396569	2.07	2	1.04	0.333413	0.576298	AT2G24205	ECA1 gametogenesis related family protein
13511173	2.07	2.04	1.03	0.892134	0.933616	AT5G46300	hypothetical protein
13445820	2.07	2.04	1.02	0.949467	0.969859	AT3G06880	transducin/WD-40 repeat-containing protein
13382680	2.07	2.05	1.01	0.948233	0.969153	AT1G63320	pentatricopeptide repeat-containing protein
13363847	2.07	2.09	-1.01	0.933911	0.960008	AT1G05550	hypothetical protein
13435998	2.07	2.08	-1.01	0.287076	0.557153	AT3G46140	protein kinase-related protein
13458425	2.07	2.09	-1.01	0.725622	0.820105	AT3G50764	hypothetical protein
13363286	2.07	2.12	-1.03	0.696859	0.800374	AT1G04625	RnaseH domain-containing protein
13508027	2.07	2.11	-1.03	0.905471	0.942165	LCR80	defensin-like protein 181
13391988	2.07	2.13	-1.04	0.827927	0.890676	AT2G05915	hypothetical protein
13353067	2.07	2.14	-1.05	0.468932	0.646076	AT1G57570	mannose-binding lectin-like protein
13372937	2.07	2.14	-1.05	0.572125	0.714232	AT1G27461	hypothetical protein
13459071	2.07	2.16	-1.06	0.318069	0.569548	AT3G52330	F-box associated ubiquitination effector family protein
13459843	2.07	2.19	-1.09	0.302576	0.563999	AP3	Floral homeotic protein APETALA 3
13337036	2.07	2.22	-1.11	0.639431	0.759952	AT1G07680	hypothetical protein
13465570	2.07	2.23	-1.12	0.60003	0.73229		
13507722	2.07	2.23	-1.12	0.457208	0.639333	WSD1	o-acyltransferase WSD1
13507642	2.07	2.25	-1.13	0.54601	0.696568	AT5G37040	F-box protein
13401744	2.07	2.28	-1.15	0.516031	0.675972	NAP12	putative white-brown complex-protein 30
13472069	2.07	2.28	-1.16	0.607863	0.737945	AT4G22430	putative F-box/kelch-repeat protein
13475427	2.07	2.29	-1.16	0.518498	0.677651	LCR63	defensin-like protein 173
13413339	2.07	2.3	-1.17	0.717257	0.814309	AT2G26620	pectin lyase-like protein
13481823	2.07	2.29	-1.17	0.10049	0.434659	AT4G04980	hypothetical protein
13435340	2.07	2.31	-1.18	0.387115	0.598595	AT3G44180	syntaxin-related protein
13435007	2.07	2.33	-1.19	0.111275	0.442715	AT3G42880	leucine-rich repeat protein kinase-like protein
13455547	2.07	2.34	-1.2	0.665457	0.777786	AT3G42148	hypothetical protein
13354635	2.07	2.34	-1.21	0.117066	0.446922	AT1G63190	cystatin-related domain protein
13505219	2.07	2.34	-1.21	0.109404	0.440715	AT5G24210	lipase class 3 family protein
13354616	2.07	2.37	-1.23	0.218461	0.520791	AT1G63140	O-methyltransferase-like protein
13434833	2.07	2.36	-1.23	0.206821	0.513335	AT3G32090	WRKY family transcription factor
13492894	2.07	2.37	-1.23	0.465962	0.64475	AT4G33230	pectinesterase 45
13384120	2.07	2.4	-1.25	0.327284	0.574089	AT1G66940	protein kinase-related protein
13478088	2.07	2.38	-1.25	0.086055	0.421381	AT4G35670	glycoside hydrolase family 28 protein / polygalacturonase (pectinase) family protein
13540984	2.07	2.39	-1.25	0.256868	0.541011	AT5G58610	putative PHD finger transcription factor
13539368	2.07	2.41	-1.27	0.055513	0.387951	AT5G54410	hypothetical protein
13437752	2.07	2.43	-1.28	0.349985	0.581662	AT3G50540	hypothetical protein
13419067	2.07	2.44	-1.29	0.370535	0.591914	AT2G39590	40S ribosomal protein S15a-3
13378937	2.07	2.45	-1.3	0.174895	0.491983	GRI	Stigma-specific Stig1 family protein
13501454	2.07	2.44	-1.3	0.220645	0.522034	CYP724A1	cytochrome P450, family 724, subfamily A, polypeptide 1
13508334	2.07	2.45	-1.3	0.3913	0.600721	AT5G39330	hypothetical protein
13533273	2.07	2.46	-1.31	0.023078	0.330115	AT5G38490	hypothetical protein
13419317	2.07	2.49	-1.33	0.025456	0.335434	AGL48	protein agamous-like 48

13416259	2.07	2.48	-1.33	0.45491	0.6382	LCR49	defensin-like protein 50
13534343	2.07	2.52	-1.37	0.291482	0.559213	AT5G41840	putative F-box/LRR-repeat protein
13476159	2.07	2.56	-1.4	0.012916	0.304352	AT4G31660	B3 domain-containing protein REM7
13344830	2.07	2.59	-1.43	0.052067	0.382443	AT1G26795	self-incompatibility protein S1-like protein
13431614	2.07	2.58	-1.43	0.529991	0.686456	AT3G21950	methyltransferase
13391137	2.07	2.59	-1.44	0.456881	0.639146	SK16	S-phase kinase-associated protein 1
13399696	2.07	2.61	-1.45	0.530891	0.686799	AT2G32210	hypothetical protein
13338077	2.07	2.66	-1.51	0.421944	0.618195	AT1G09650	F-box/LRR and kelch-repeat containing protein
13376736	2.07	2.7	-1.55	0.074238	0.410257	AT1G47980	hypothetical protein
13446236	2.07	2.7	-1.55	0.090784	0.427844	AT3G07620	putative glycosyltransferase
13465982	2.07	2.72	-1.56	0.328395	0.574416	AT4G05260	ubiquitin family protein
13424865	2.07	2.75	-1.6	0.125906	0.455078	AT3G05858	hypothetical protein
13435137	2.07	2.8	-1.66	0.31666	0.568567	AT3G43550	GDSL esterase/lipase
13453555	2.07	2.83	-1.69	0.328534	0.574512	AT3G25160	ER lumen protein retaining receptor family protein
13475850	2.07	2.82	-1.69	0.470179	0.646758		
13476415	2.07	2.82	-1.69	0.470179	0.646758		
13443206	2.07	2.85	-1.71	0.495396	0.66198	AT3G01325	hypothetical protein
13437483	2.07	2.9	-1.77	0.122903	0.453047	DIN11	2-oxoglutarate-Fe(II)-dependent oxygenase domain-containing protein
13426663	2.07	2.93	-1.81	0.266233	0.546291	AT3G10950	large subunit ribosomal protein L37Ae
13436002	2.07	3.09	-2.02	0.177694	0.49354	AT3G46190	TRAF-like family protein
13399594	2.07	3.12	-2.07	0.257307	0.541247	AT2G31981	hypothetical protein
13537827	2.07	3.34	-2.42	0.116785	0.446833	AT5G50360	hypothetical protein
13479955	2.06	1.7	1.28	0.111889	0.443131	AT4G00232	DNA-binding storekeeper protein-related transcriptional regulator
13408461	2.06	1.78	1.21	0.251604	0.538535		
13533478	2.06	1.82	1.18	0.271056	0.548768	AT5G39180	germin-like protein subfamily 1 member 19
13538481	2.06	1.89	1.13	0.637624	0.758815	AT5G51900	Cytochrome P450 family protein
13454507	2.06	1.89	1.12	0.368363	0.590997	AT3G27600	SWAP (Suppressor-of-White-APricot)/surp RNA-binding domain-containing protein
13473978	2.06	1.91	1.11	0.623492	0.749045	AT4G26730	S-adenosyl-L-methionine-dependent methyltransferase-like protein
13425402	2.06	1.95	1.08	0.22018	0.52188	AT3G07260	SMAD/FHA domain-containing protein
13502558	2.06	1.97	1.06	0.405188	0.609014	AT5G17140	cysteine proteinase-related protein
13393916	2.06	1.98	1.05	0.850613	0.905868	AT2G17723	putative defensin-like protein 256
13534292	2.06	1.99	1.05	0.54718	0.69741	AT5G41640	hypothetical protein
13375946	2.06	2.04	1.02	0.946997	0.96834	AT1G38790	hypothetical protein
13378032	2.06	2.04	1.01	0.554247	0.702374	AT1G50820	Aminotransferase-like, plant mobile domain family protein
13366056	2.06	2.08	-1.01	0.432913	0.625185	AT1G10190	hypothetical protein
13511449	2.06	2.07	-1.01	0.97922	0.987651	AT5G46874	putative defensin-like protein 309
13532695	2.06	2.07	-1.01	0.904158	0.94134	AT5G36770; AT5G36680	hypothetical protein
13431966	2.06	2.11	-1.03	0.814488	0.881326	HSFA6B	heat stress transcription factor A-6b
13359538	2.06	2.11	-1.04	0.72946	0.822816	AT1G75717	hypothetical protein
13377141	2.06	2.11	-1.04	0.579152	0.719234	AT1G48660	auxin-responsive GH3-like protein
13396800	2.06	2.12	-1.04	0.825021	0.888289	AT2G24950	hypothetical protein
13537277	2.06	2.17	-1.08	0.235195	0.529705	KCS21	3-ketoacyl-CoA synthase 21

13538687	2.06	2.19	-1.09	0.695851	0.799482	AT5G52480	RNI-like superfamily protein
13349537	2.06	2.2	-1.1	0.495563	0.662087	AT1G48325	hypothetical protein
13375326	2.06	2.2	-1.1	0.733079	0.825433	AT1G33950	avirulence induced protein
13424187	2.06	2.2	-1.1	0.449494	0.635279	AT3G04540	defensin-like protein 44
13422170	2.06	2.24	-1.13	0.244803	0.535223	PAP14	purple acid phosphatase 14
13399522	2.06	2.25	-1.14	0.17251	0.489773	AT2G31940	hypothetical protein
13433134	2.06	2.25	-1.14	0.225094	0.524988	AT3G25573	hypothetical protein
13467928	2.06	2.26	-1.14	0.10242	0.435611	AT4G12830	hydrolase, alpha/beta fold family protein
13533875	2.06	2.25	-1.14	0.356122	0.584705	OLEO2	oleosin 2
13352244	2.06	2.27	-1.16	0.241547	0.53362	AT1G54820	protein kinase domain-containing protein
13466470	2.06	2.27	-1.16	0.409605	0.611115	PUM11	pumilio 11
13511089	2.06	2.27	-1.16	0.28359	0.555903	WOX8	WUSCHEL-related homeobox 8
13540065	2.06	2.3	-1.18	0.286411	0.557056	AT5G56430	FBD-associated F-box protein
13539278	2.06	2.32	-1.19	0.535916	0.689705	PORA	protochlorophyllide reductase A
13489031	2.06	2.34	-1.21	0.539166	0.691925	HB22	ZF-HD homeobox protein
13378311	2.06	2.36	-1.24	0.320644	0.570934	AT1G51805	leucine-rich repeat protein kinase-like protein
13498840	2.06	2.38	-1.25	0.333121	0.576298	AT5G07572; AT5G07571	hypothetical protein; Oleosin family protein
13516859	2.06	2.41	-1.28	0.116174	0.446833	AT5G58840	Subtilase family protein
13432503	2.06	2.53	-1.38	0.386622	0.598595	AT3G23770	O-Glycosyl hydrolases family 17 protein
13527390	2.06	2.52	-1.38	0.231585	0.528183	AT5G17340	Putative membrane lipoprotein
13473794	2.06	2.54	-1.39	0.180271	0.495833	AT4G26340	F-box/FBD/LRR-repeat protein
13480827	2.06	2.54	-1.39	0.054623	0.386003	AT4G02140	hypothetical protein
13444171	2.06	2.55	-1.4	0.403022	0.607573	AT3G03620	MATE efflux family protein
13410772	2.06	2.64	-1.49	0.175315	0.492147	AT2G20250	hypothetical protein
13340288	2.06	2.67	-1.53	0.182918	0.497748	AT1G15180	MATE efflux family protein
13464485	2.06	2.68	-1.54	0.256643	0.540874	AT4G01640	F-box associated ubiquitination effector family protein
13461848	2.06	2.75	-1.61	0.288959	0.557782	PME61	pectinesterase 35
13486728	2.06	2.93	-1.83	0.284164	0.556096	LCR15	defensin-like protein 140
13535834	2.06	2.95	-1.85	0.051928	0.382324	AT5G45520	Leucine-rich repeat (LRR) family protein
13415511	2.06	2.98	-1.88	0.292139	0.559482	AT2G31620	putative cysteine-rich repeat secretory protein 10
13344615	2.06	3	-1.92	0.389122	0.599658	AT1G26320	2-alkenal reductase
13413775	2.06	3.1	-2.05	0.304691	0.565001	AT2G27410	hypothetical protein
13477390	2.06	3.1	-2.06	0.302137	0.563897	AT4G34170	putative F-box/kelch-repeat protein
13353350	2.06	3.28	-2.32	0.419975	0.617243		
13389125	2.06	3.31	-2.37	0.356641	0.584728	AT1G78820	D-mannose binding lectin protein with Apple-like carbohydrate-binding domain
13516306	2.06	3.35	-2.45	0.37791	0.594163	AT5G57750	putative RING-H2 finger protein ATL50
13347953	2.06	3.39	-2.51	0.132628	0.462428	AT1G34910	hypothetical protein
13345860	2.06	3.52	-2.75	0.381882	0.59674	AT1G29540	hypothetical protein
13348118	2.06	3.77	-3.27	0.32936	0.574846	ARF14	auxin response factor 14
13388783	2.06	4.08	-4.07	0.324926	0.573118	AT1G77830	RING/U-box domain-containing protein
13448376	2.06	4.09	-4.1	0.229928	0.527363	AT3G12420	DnaQ-like 3'-5' exonuclease domain-containing protein
13399168	2.06	4.1	-4.11	0.375434	0.593207	AT2G30985	hypothetical protein
13362679	2.06	4.48	-5.34	0.36704	0.590515	PSAD-2	photosystem I reaction center subunit II-2
13532640	2.06	5.43	-10.33	0.226642	0.525406	AT5G36658	ECA1 gametogenesis related family protein

13354471	2.05	1.69	1.29	0.100526	0.434659	AT1G62720; AT1G62730	pentatricopeptide repeat-containing protein; isoprenoid biosynthesis enzyme domain-containing protein
13545535	2.05	1.71	1.27	0.206693	0.513335		
13352324	2.05	1.74	1.24	0.063571	0.399503	PDF1.5	defensin-like protein 18
13477217	2.05	1.78	1.21	0.073395	0.409537	AT4G33925	hypothetical protein
13442013	2.05	1.81	1.19	0.187105	0.501548	MRP15	putative ABC transporter C-15
13444740	2.05	1.93	1.09	0.664077	0.776904	AT3G04860	hypothetical protein
13544493	2.05	1.99	1.04	0.911358	0.946225	AT5G66890	putative disease resistance protein
13466404	2.05	2.01	1.03	0.927639	0.956199	AT4G08555	hypothetical protein
13478171	2.05	2	1.03	0.851004	0.906007	AT4G35820	oxidoreductase, 2OG-Fe(II) oxygenase family protein
13346479	2.05	2.06	-1.01	0.926922	0.955918	AT1G30790	F-box domain-containing protein
13355355	2.05	2.06	-1.01	0.845075	0.902308	SCRL2	defensin-like protein 226
13345062	2.05	2.07	-1.02	0.859668	0.912503	AT1G27280	paired amphipathic helix repeat-containing protein
13380334	2.05	2.09	-1.03	0.933468	0.959728	AT1G56233	defensin-like protein 81
13391615	2.05	2.09	-1.03	0.754111	0.839137	AT2G04515	hypothetical protein
13509532	2.05	2.11	-1.04	0.872273	0.920856	AT5G42235	defensin-like protein 116
13382000	2.05	2.12	-1.05	0.70596	0.806613	RALFL8	ralf-like 8 protein
13470641	2.05	2.12	-1.05	0.869619	0.918937	IWS2	Transcription elongation factor (TFIIS) family protein
13525835	2.05	2.11	-1.05	0.54764	0.697758	AT5G13917	hypothetical protein
13354769	2.05	2.12	-1.06	0.367207	0.590549	AT1G63580	putative cysteine-rich repeat secretory protein 6
13426745	2.05	2.13	-1.06	0.724316	0.819212	AT3G11180	leucoanthocyanidin dioxygenase-like protein
13489654	2.05	2.14	-1.06	0.321234	0.571176	PUM6	pumilio 6 protein
13369133	2.05	2.14	-1.07	0.644698	0.763451	AT1G17400	hypothetical protein
13536338	2.05	2.15	-1.07	0.588151	0.726188	MSP2	microspore-specific promoter 2
13458447	2.05	2.16	-1.08	0.712633	0.810714	AT3G50808	PLATZ transcription factor family protein
13466537	2.05	2.16	-1.08	0.649043	0.76655	AT4G08990	DNA (cytosine-5-)-methyltransferase
13376693	2.05	2.17	-1.09	0.700949	0.80324	AT1G47765	F-box-like protein
13487583	2.05	2.21	-1.11	0.700613	0.803067	AT4G21500	hypothetical protein
13434268	2.05	2.25	-1.15	0.246074	0.535608	AT3G28270	hypothetical protein
13354309	2.05	2.27	-1.16	0.262924	0.543906	AT1G62170; APR2	putative non-inhibitory serpin-Z5; 5'-adenylylsulfate reductase 2
13359728	2.05	2.27	-1.16	0.59347	0.728815	AT1G76190	SAUR-like auxin-responsive protein
13471418	2.05	2.27	-1.16	0.314418	0.568148	AT4G21050	Dof zinc finger protein DOF4.4
13359368	2.05	2.28	-1.17	0.055922	0.388357	HB33	homeobox protein 33
13507764	2.05	2.27	-1.17	0.389286	0.599704	AT5G37490	U-box domain-containing protein 21
13353289	2.05	2.29	-1.18	0.531587	0.687186	AT1G58420	hypothetical protein
13440678	2.05	2.29	-1.18	0.084689	0.418724	AGP23	arabinogalactan protein 23
13450646	2.05	2.29	-1.18	0.258348	0.541251	AT3G17675	blue copper-binding-like protein
13508064	2.05	2.29	-1.18	0.631372	0.754561	AT5G38390	putative F-box protein
13424635	2.05	2.33	-1.22	0.049029	0.377942	AT3G05440	C2 domain-containing protein
13374470	2.05	2.35	-1.23	0.149135	0.471967	AT1G31390	TRAF-like family protein
13344235	2.05	2.37	-1.25	0.291746	0.559371	CYP86C1	cytochrome P450, family 86, subfamily C, polypeptide 1
13479698	2.05	2.36	-1.25	0.42395	0.619518	AT4G39753	F-box/kelch-repeat protein
13362467	2.05	2.38	-1.26	0.137342	0.46568	PGA4	polygalacturonase 4

13510639	2.05	2.4	-1.27	0.020137	0.322692	AT5G44850	FBD domain-containing protein
13368545	2.05	2.46	-1.33	0.043353	0.3719	AT1G15757	putative defensin-like protein 110
13381833	2.05	2.46	-1.33	0.320763	0.570934	AT1G61270	Lysine histidine transporter-like 3
13421573	2.05	2.46	-1.33	0.398589	0.605002	AT2G45406	Galactose oxidase/kelch repeat family protein
13435338	2.05	2.5	-1.36	0.223373	0.524399	AT3G44170	hypothetical protein
13343261	2.05	2.52	-1.38	0.187663	0.502008	emb2204	hypothetical protein
13425443	2.05	2.52	-1.38	0.142314	0.468511	AT3G07425	hypothetical protein
13435079	2.05	2.52	-1.38	0.150724	0.473528	AT3G43250	hypothetical protein
13371255	2.05	2.53	-1.4	0.238242	0.532151	UGT85A3	UDP-glucosyl transferase 85A3
13354577	2.05	2.55	-1.41	0.326991	0.574063	AT1G63057	hypothetical protein
13410285	2.05	2.56	-1.42	0.115681	0.446371	AT2G19230	Leucine-rich repeat transmembrane protein kinase protein
13404545	2.05	2.57	-1.44	0.48881	0.657764	TI2	defensin-like protein 193
13338828	2.05	2.59	-1.45	0.038157	0.363017	AT1G11460	nodulin MtN21 /EamA-like transporter
13374222	2.05	2.74	-1.6	0.254231	0.539615	AT1G30670	transcription factor bHLH52
13410469	2.05	2.72	-1.6	0.383729	0.597749	AT2G19700	hypothetical protein
13507130	2.05	2.74	-1.62	0.318748	0.569878	AT5G34870	zinc knuckle (CCHC-type) family protein
13446854	2.05	2.76	-1.63	0.24897	0.536662	AT3G09340	transmembrane amino acid transporter-like protein
13506016	2.05	2.79	-1.68	0.515515	0.675675	AT5G26717	Putative membrane lipoprotein
13508074	2.05	2.81	-1.7	0.342863	0.579024	SPH8	S-protein homologue 8
13433240	2.05	2.92	-1.83	0.40533	0.609069	AT3G25750	F-box protein
13362675	2.05	2.92	-1.84	0.007975	0.290374	AT1G03106	hypothetical protein
13374467	2.05	3	-1.93	0.100601	0.434659	AT1G31380	TRAF-like family protein
13370886	2.05	3.09	-2.06	0.289782	0.558085	AT1G21500	hypothetical protein
13413700	2.05	3.11	-2.09	0.384949	0.598088	CLV3	protein CLAVATA 3
13417216	2.05	3.12	-2.1	0.279105	0.553698	AT2G35420	RING-H2 finger protein ATL28
13373442	2.05	3.32	-2.42	0.327524	0.574367	AT1G28650	GDSL esterase/lipase
13400838	2.05	3.47	-2.67	0.21183	0.517247	MEE26	hydroxyproline-rich glycoprotein family protein
13339381	2.05	3.64	-3.01	0.20936	0.514765	AT1G12672	hypothetical protein
13421761	2.05	3.8	-3.36	0.229937	0.527363	BAP2	BON1-associated protein 2
13433930	2.05	4.31	-4.78	0.382663	0.597132	AT3G27425	ECA1-like gametogenesis related family protein
13482380	2.05	4.88	-7.08	0.341838	0.578744	AT4G08875	defensin-like protein 209
13393149	2.04	1.73	1.24	0.299781	0.56286	AT2G15340	glycine-rich protein
13481638	2.04	1.91	1.09	0.716332	0.813698	CPK22	calcium-dependent protein kinase 22
13437079	2.04	1.95	1.06	0.789135	0.863481	AT3G48620	Outer membrane OMP85 family protein
13453827	2.04	2.01	1.02	0.908524	0.944338	CYP71B19	cytochrome P450 71B19
13523799	2.04	2.01	1.02	0.94505	0.967129	AT5G09340	Ubiquitin family protein
13514572	2.04	2.02	1.01	0.588877	0.72664	AT5G53592	FBD-like domain family protein
13461603	2.04	2.09	-1.03	0.730504	0.823579	AT3G58440	TRAF-like family protein
13516551	2.04	2.08	-1.03	0.894139	0.934927	ATYKT62	VAMP-like protein YKT62
13355836	2.04	2.1	-1.04	0.765877	0.847079	WRKY67	putative WRKY transcription factor 67
13380613	2.04	2.1	-1.04	0.876096	0.923562	VIM5	E3 ubiquitin-protein ligase ORTHRUS 3
13411502	2.04	2.13	-1.07	0.802513	0.872671	WRKY59	putative WRKY transcription factor 59
13434491	2.04	2.14	-1.07	0.473344	0.648252	AT3G29033	glycine-rich protein
13464429	2.04	2.14	-1.07	0.627987	0.751917	NGA4	AP2/B3-like transcriptional factor family protein

13486091	2.04	2.14	-1.07	0.716423	0.813698	AT4G17505	hypothetical protein
13491040	2.04	2.13	-1.07	0.732655	0.825247	LCR22	putative defensin-like protein 157
13467567	2.04	2.16	-1.09	0.442215	0.630856	AT4G11730	putative plasma membrane-type ATPase
13512657	2.04	2.16	-1.09	0.635301	0.757564	AGL83	protein agamous-like 83
13401669	2.04	2.17	-1.1	0.449753	0.635419	UGT73C6	flavonol-3-O-glycoside-7-O-glucosyltransferase 1
13356874	2.04	2.2	-1.11	0.226812	0.525438	AT1G69100	aspartic-type endopeptidase
13455390	2.04	2.19	-1.11	0.647677	0.765537	AT3G31068	hypothetical protein
13507672	2.04	2.19	-1.11	0.607753	0.737858	AT5G37150	DEXDc and putative helicase domain-containing protein
13391639	2.04	2.21	-1.13	0.189797	0.503519	AT2G04570	GDSL esterase/lipase
13411524	2.04	2.24	-1.15	0.57094	0.713113	AT2G21980	hypothetical protein
13342913	2.04	2.26	-1.16	0.266079	0.546291	WAK1	wall-associated receptor kinase 1
13396976	2.04	2.26	-1.16	0.592421	0.728214	AT2G25410; AT2G25409	RING-H2 finger protein ATL22; hypothetical protein
13482473	2.04	2.26	-1.16	0.555435	0.703082	AT4G09440	hypothetical protein
13470876	2.04	2.29	-1.19	0.125235	0.454331	AT4G19570	chaperone DnaJ-domain containing protein
13426835	2.04	2.31	-1.21	0.157419	0.479979	AT3G11405	hypothetical protein
13344839	2.04	2.34	-1.23	0.062055	0.398248	AT1G26798	self-incompatibility protein S1-like protein
13445432	2.04	2.33	-1.23	0.34673	0.58045	GATL4	putative galacturonosyltransferase-like 4
13512558	2.04	2.34	-1.24	0.138219	0.46568	APRR4	putative two-component response regulator-like APRR4
13428198	2.04	2.38	-1.26	0.101023	0.434702	CYP72A9	cytochrome P450, family 72, subfamily A, polypeptide 9
13471240	2.04	2.4	-1.28	0.039084	0.364658	AT4G20420	Tapetum specific protein TAP35/TAP44
13465512	2.04	2.4	-1.28	0.287129	0.557153	AT4G04110	Toll-Interleukin-Resistance domain-containing protein
13515727	2.04	2.43	-1.31	0.282409	0.555492	AT5G56325	FBD domain-containing protein
13364004	2.04	2.45	-1.33	0.004461	0.262292	AT1G05925	hypothetical protein
13398347	2.04	2.45	-1.33	0.246391	0.535608	AT2G28605	PsbP domain-containing protein 2
13455494	2.04	2.47	-1.34	0.145455	0.470097	AT3G33293	hypothetical protein
13467222	2.04	2.46	-1.34	0.303803	0.564401	AT4G10850	nodulin MtN3-like protein
13455928	2.04	2.48	-1.35	0.653857	0.77033	AT3G44120	F-box/kelch-repeat protein
13513096	2.04	2.48	-1.36	0.021652	0.325596	AT5G50345	Maternally expressed gene (MEG) family protein
13383338	2.04	2.49	-1.37	0.502505	0.666827	AT1G65050	meprin and TRAF homology domain-containing protein
13360673	2.04	2.52	-1.39	0.527499	0.68447		
13349031	2.04	2.53	-1.4	0.384444	0.597873	AT1G45221	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13450457	2.04	2.58	-1.46	0.14508	0.470007	scpl33	protein serine carboxypeptidase-like 33
13516105	2.04	2.63	-1.5	0.047612	0.37767	AT5G57181	hypothetical protein
13347057	2.04	2.63	-1.51	0.018703	0.321499	ATL1F	RING-H2 finger protein ATL81
13507684	2.04	2.64	-1.52	0.121219	0.45228	AT5G37170	putative O-diphenol-O-methyl transferase
13541990	2.04	2.68	-1.56	0.037489	0.360894	AT5G61100	hypothetical protein
13432753	2.04	2.74	-1.63	0.392532	0.601642	AT3G24513	putative defensin-like protein 258
13418785	2.04	2.79	-1.68	0.120613	0.452158	AT2G39060	Nodulin MtN3-like protein
13461419	2.04	2.83	-1.74	0.274003	0.550583	GIS	C2H2 and C2HC zinc finger-containing protein
13377271	2.04	2.9	-1.82	0.340254	0.578077	ENODL6	early nodulin-like protein 6

13387290	2.04	2.92	-1.84	0.108024	0.439862	AT1G74480	RWP-RK domain-containing protein
13380338	2.04	3.04	-2	0.017162	0.319147	PP2-B13	F-box protein PP2-B13
13490574	2.04	3.06	-2.02	0.192254	0.505352	AT4G27810	hypothetical protein
13533216	2.04	3.15	-2.16	0.311848	0.567164	AT5G38310	hypothetical protein
13465882	2.04	3.22	-2.27	0.405446	0.609069	AT4G05018	hypothetical protein
13507119	2.04	3.26	-2.33	0.379958	0.595541	AT5G34581	hydroxyproline-rich glycoprotein family protein
13435361	2.04	3.4	-2.57	0.371205	0.591914	AT3G44210	hypothetical protein
13506214	2.04	3.99	-3.84	0.292835	0.559559	AT5G26900	cell division cycle 20, cofactor of APC complex
13343269	2.04	4.15	-4.32	0.189325	0.503111	SULTR1;3	sulfate transporter 1.3
13355843	2.04	4.78	-6.7	0.341182	0.57855	WRKY64	putative WRKY transcription factor 64
13468819	2.04	5.42	-10.44	0.069153	0.406403	scpl30	putative serine carboxypeptidase-like 30
13454058	2.03	1.56	1.38	0.278906	0.55357		
13534506	2.03	1.63	1.32	0.421948	0.618195	AT5G42325	Transcription factor IIS protein
13533692	2.03	1.72	1.24	0.142551	0.468651	AT5G39910	glycoside hydrolase family 28 protein / polygalacturonase (pectinase) family protein
13381763	2.03	1.75	1.22	0.509138	0.671637	AT1G61093	hypothetical protein
13458224	2.03	1.88	1.11	0.444802	0.6324	MAPKKK20	mitogen-activated protein kinase kinase kinase 20
13456629	2.03	1.89	1.1	0.185351	0.499807	ZAT7	C2H2 and C2HC zinc finger-containing protein
13488050	2.03	1.89	1.1	0.773517	0.852297	AT4G22410	ubiquitin carboxyl-terminal hydrolase-like protein
13376128	2.03	1.9	1.09	0.123519	0.45359	AT1G43624	hypothetical protein
13376625	2.03	1.91	1.09	0.338365	0.577332	AT1G47450	hypothetical protein
13407988	2.03	1.92	1.08	0.590314	0.72711	AT2G05370	hypothetical protein
13338887	2.03	1.93	1.07	0.418135	0.616351	AT1G11620	putative F-box/LRR-repeat/kelch-repeat protein
13396068	2.03	1.94	1.07	0.183321	0.498165	AT2G22805	putative defensin-like protein 189
13407463	2.03	1.97	1.04	0.169331	0.487806	AT2G03310	hypothetical protein
13420368	2.03	2	1.02	0.892973	0.934153	AT2G42460	TRAF-like family protein
13470925	2.03	2.01	1.02	0.840532	0.899507	IRT1	Fe(2+) transport protein 1
13516995	2.03	2.01	1.01	0.953888	0.972569	ACT4	actin 4
13504901	2.03	2.04	-1.01	0.852858	0.907398	AT5G23480	SWIB/MDM2, Plus-3 and GYF domain-containing protein
13374694	2.03	2.05	-1.02	0.900407	0.938837	AT1G31875	hypothetical protein
13533493	2.03	2.06	-1.02	0.63717	0.75859	EXPA21	expansin A21
13341097	2.03	2.08	-1.03	0.649184	0.766594	AT1G16940	F-box/RNI-like/FBD-like domains-containing protein
13378021	2.03	2.09	-1.04	0.892915	0.934126	AT1G50760	Aminotransferase-like, plant mobile domain family protein
13391800	2.03	2.09	-1.04	0.749362	0.835603	SCRL15	putative defensin-like protein 253
13490993	2.03	2.09	-1.05	0.83605	0.896417	AT4G29103	hypothetical protein
13397172	2.03	2.15	-1.09	0.53899	0.691822	AT2G25820	ethylene-responsive transcription factor ERF042
13514130	2.03	2.17	-1.1	0.40714	0.609921	AT5G52760	copper transport family protein
13468204	2.03	2.21	-1.14	0.323804	0.572763	MEE57	DNA (cytosine-5-)-methyltransferase
13434166	2.03	2.25	-1.16	0.404847	0.608943	AT3G28060	Nodulin MtN21 /EamA-like transporter family protein

13461944	2.03	2.26	-1.18	0.325225	0.573176	AT3G59270	FBD domain-containing protein
13486968	2.03	2.27	-1.18	0.525859	0.683164	AT4G19630	winged-helix DNA-binding transcription factor family protein
13521172	2.03	2.28	-1.19	0.31824	0.569548	AT5G02210	GCK domain-containing protein
13407198	2.03	2.29	-1.2	0.102743	0.435908	AT2G02520	RNA-directed DNA polymerase (reverse transcriptase)-related family protein
13339375	2.03	2.3	-1.21	0.283417	0.555903	AT1G12663	hypothetical protein
13408729	2.03	2.3	-1.21	0.094356	0.430944	AT2G13760	hypothetical protein
13337192	2.03	2.31	-1.22	0.097068	0.433165	AT1G07985	hypothetical protein
13390700	2.03	2.35	-1.24	0.471356	0.64746	AT2G02026	hypothetical protein
13405429	2.03	2.35	-1.25	0.412942	0.613595	AGL6	agamous-like MADS-box protein AGL6
13476492	2.03	2.37	-1.27	0.377085	0.59368	AT4G32370	glycoside hydrolase family 28 protein / polygalacturonase (pectinase) family protein
13527649	2.03	2.38	-1.27	0.490714	0.658793	AT5G17950	hypothetical protein
13492479	2.03	2.42	-1.31	0.041212	0.366853	AT4G32510	putative boron transporter 7
13478971	2.03	2.43	-1.33	0.305136	0.565001	ELI3-1	cinnamyl alcohol dehydrogenase 7
13504674	2.03	2.45	-1.33	0.055696	0.388271	scpl47	carboxypeptidase
13367331	2.03	2.49	-1.38	0.087013	0.422399	CYP86C3	cytochrome P450, family 86, subfamily C, polypeptide 3
13538016	2.03	2.51	-1.39	0.226647	0.525406	AT5G50740	Heavy-metal-associated domain--containing protein
13531878	2.03	2.53	-1.42	0.159174	0.481599	AT5G28823	hypothetical protein
13408185	2.03	2.56	-1.45	0.393192	0.60196	AT2G07020	adenine nucleotide alpha hydrolases-domain containing protein kinase
13355927	2.03	2.62	-1.5	0.355033	0.584506	AT1G66780	MATE efflux family protein
13392916	2.03	2.62	-1.51	0.226026	0.524988	AT2G14500	F-box family protein
13395789	2.03	2.66	-1.54	0.307971	0.566048	AT2G22145	ECA1 gametogenesis related family protein
13462736	2.03	2.67	-1.55	0.149755	0.472607	LCR8	putative defensin-like protein 128
13466780	2.03	2.77	-1.67	0.207284	0.513526	AT4G09660	hypothetical protein
13391413	2.03	2.82	-1.72	0.417567	0.616016	AT2G03955	putative defensin-like protein 60
13454125	2.03	2.81	-1.72	0.33519	0.576654	AT3G26934	hypothetical protein
13351419	2.03	2.88	-1.8	0.517364	0.677035	PAP5	purple acid phosphatase 5
13434640	2.03	2.92	-1.85	0.154627	0.477786	AT3G29638	General transcription factor 2-related zinc finger protein
13342212	2.03	3.2	-2.25	0.440616	0.629916	AT1G19320	pathogenesis-related thaumatin-like protein
13343711	2.03	3.23	-2.31	0.402097	0.60697	RALFL3	protein RALF-like 3
13475291	2.03	3.28	-2.39	0.170726	0.488769	AT4G29580	cytidine/deoxycytidylate deaminase-like protein
13408983	2.03	3.65	-3.08	0.321186	0.571172	AT2G15185	CCHC-type zinc knuckle-like protein
13408892	2.03	3.77	-3.34	0.232465	0.528392	SUC8	sucrose transport protein SUC8
13480187	2.03	6	-15.62	0.006859	0.285606	AT4G00670; RH8	Remorin family protein; DEAD-box ATP-dependent RNA helicase 8
13482994	2.02	1.92	1.07	0.630893	0.75429	AT4G10880	hypothetical protein
13525063	2.02	1.94	1.06	0.461646	0.642455	HSP17.6II	heat shock protein 17.6-II
13466440	2.02	2.01	1.01	0.968115	0.981367	AT4G08640	ATP binding protein
13518021	2.02	2.01	1.01	0.920701	0.952078	AT5G61710	hypothetical protein
13371915	2.02	2.03	-1.01	0.924789	0.954626	CSLA10	putative mannan synthase 10
13396259	2.02	2.04	-1.01	0.932462	0.958967	AT2G23142	self-incompatibility S1 family protein
13349829	2.02	2.08	-1.04	0.53998	0.692181	AT1G49030	PLAC8 family protein
13526562	2.02	2.07	-1.04	0.164667	0.485884	AT5G15500	ankyrin repeat-containing protein

13538989	2.02	2.07	-1.04	0.856565	0.910345	AT5G53270	Seed maturation protein
13504204	2.02	2.09	-1.05	0.853532	0.90798	EIL2	ethylene insensitive 3-like 2 protein
13457788	2.02	2.1	-1.06	0.613275	0.74223	AT3G49340	putative cysteine proteinase
13393233	2.02	2.14	-1.09	0.54632	0.69674	AT2G15610	hypothetical protein
13434738	2.02	2.14	-1.09	0.816618	0.88284	AT3G30340	nodulin MtN21 /EamA-like transporter family protein
13369901	2.02	2.16	-1.1	0.442949	0.631085	AT1G18990	hypothetical protein
13507749	2.02	2.15	-1.1	0.488785	0.657764	AT5G37420; AGL105	hypothetical protein; protein agamous-like 105
13538625	2.02	2.17	-1.11	0.684777	0.791467	CYP96A4	cytochrome P450, family 96, subfamily A, polypeptide 4
13542683	2.02	2.2	-1.13	0.520599	0.67931	AT5G62830	F-box associated ubiquitination effector family protein
13424390	2.02	2.21	-1.14	0.624081	0.749217	AT3G04960	hypothetical protein
13482809	2.02	2.22	-1.15	0.354638	0.584383	AT4G10410	Leucine-rich repeat (LRR) family protein
13481313	2.02	2.24	-1.16	0.045262	0.375052	AT4G03156	small GTPase-related protein
13376749	2.02	2.24	-1.16	0.137485	0.46568	PMEI1	pectinesterase inhibitor 1
13457464	2.02	2.24	-1.16	0.232388	0.528375	AT3G48344	hypothetical protein
13390784	2.02	2.24	-1.17	0.570406	0.71302	AT2G02290	Haloacid dehalogenase-like hydrolase-like protein
13473534	2.02	2.25	-1.17	0.227879	0.525957	AT4G25830	hypothetical protein
13349039	2.02	2.26	-1.18	0.138563	0.46568	AT1G45243	cysteine/histidine-rich C1 domain-containing protein
13378784	2.02	2.28	-1.2	0.335219	0.576654	AT1G52695	alpha/beta-hydrolase domain-containing protein
13391828	2.02	2.32	-1.23	0.214981	0.519459	AT2G05410	TRAF-like family protein
13335201	2.02	2.34	-1.25	0.105993	0.437796	AT1G03170	hypothetical protein
13514367	2.02	2.37	-1.28	0.527245	0.684326	AT5G53240	hypothetical protein
13502249	2.02	2.39	-1.29	0.361797	0.587911	AT5G16350	O-acyltransferase (WSD1-like) family protein
13535359	2.02	2.44	-1.34	0.039065	0.364658	AT5G44360	FAD-binding and BBE domain-containing protein
13376390	2.02	2.45	-1.35	0.414081	0.614187	AT1G45063	copper ion binding / electron carrier protein
13391710	2.02	2.48	-1.37	0.059842	0.395174	AT2G04830	hypothetical protein
13353749	2.02	2.48	-1.38	0.019839	0.322692	AT1G60190	U-box domain-containing protein 19
13454901	2.02	2.49	-1.39	0.285327	0.556359	AT3G28790	hypothetical protein
13460817	2.02	2.52	-1.42	0.180032	0.495603	AT3G56520	no apical meristem (NAM) family protein
13517506	2.02	2.54	-1.43	0.570576	0.713022	AT5G60500	dehydrodolichyl diphosphate synthase 7
13532957	2.02	2.56	-1.45	0.243166	0.534289	AT5G37470	hypothetical protein
13519408	2.02	2.6	-1.49	0.103865	0.436377	CLE21	protein CLAVATA3/ESR-related 21
13388828	2.02	2.66	-1.57	0.300603	0.563492	AGL66	protein agamous-like 66
13451898	2.02	2.68	-1.58	0.540467	0.692587	AT3G20700	F-box associated ubiquitination effector family protein
13434708	2.02	2.72	-1.63	0.021332	0.325198	MYB121	myb proto-oncogene protein
13344956	2.02	2.73	-1.63	0.374616	0.593104	AT1G27045	homeobox-leucine zipper family protein
13385554	2.02	2.73	-1.63	0.331633	0.576146	PPME1	pectinesterase PPME1
13380586	2.02	2.74	-1.65	0.07415	0.410257	AT1G57690	putative F-box protein
13470293	2.02	2.75	-1.66	0.041811	0.368059	KAT2	Potassium channel KAT2
13444427	2.02	2.77	-1.68	0.328319	0.574416	AT3G04200	germin-like protein subfamily 1 member 6

13483625	2.02	2.8	-1.72	0.406124	0.609389	AT4G12500	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13454724	2.02	3.02	-2	0.492047	0.659733	AT3G28321	hypothetical protein
13521569	2.02	3.03	-2.01	0.256605	0.540874	AT5G03495	RNA-binding (RRM/RBD/RNP motifs) family protein
13381067	2.02	3.15	-2.19	0.211563	0.516891	AT1G59722	hypothetical protein
13504835	2.02	3.32	-2.46	0.271773	0.548926	STP11	sugar transport protein 11
13375556	2.02	3.33	-2.48	0.431142	0.623682	AT1G34800; AT1G34805; AT1G34820; AT1G34825; AT1G34860; AT1G34795; AT1G34830; AT1G34815; AT1G34810; AT1G34792; AT1G34930; AT1G34840; AT1G34850	Plant thionin family protein
13375558	2.02	3.33	-2.48	0.431142	0.623682	AT1G34800; AT1G34805; AT1G34820; AT1G34825; AT1G34860; AT1G34795; AT1G34830; AT1G34815; AT1G34810; AT1G34792; AT1G34930; AT1G34840; AT1G34850	Plant thionin family protein
13375564	2.02	3.33	-2.48	0.431142	0.623682	AT1G34800; AT1G34805; AT1G34820; AT1G34825; AT1G34860; AT1G34795; AT1G34830; AT1G34815; AT1G34810; AT1G34792; AT1G34930; AT1G34840; AT1G34850	Plant thionin family protein
13536625	2.02	3.47	-2.73	0.255464	0.540321	AT5G47610	RING-H2 finger protein ATL79
13427491	2.02	3.47	-2.74	0.085127	0.419586	AT3G13130	hypothetical protein
13429390	2.02	3.55	-2.88	0.259346	0.542144	AT3G17070	peroxidase 29
13508273	2.02	3.63	-3.06	0.400992	0.606349	AT5G39024	hypothetical protein

13488072	2.02	3.97	-3.88	0.306542	0.565397	AT4G22505	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13346482	2.02	4.24	-4.67	0.350717	0.582019	AT1G30795	Glycine-rich protein family
13482113	2.02	5.27	-9.49	0.292566	0.559559	AT4G07786	hypothetical protein
13434126	2.01	1.53	1.39	0.293246	0.559559	AT3G27980	putative pectinesterase 30
13474212	2.01	1.64	1.29	0.223829	0.524402	AT4G27415	hypothetical protein
13394863	2.01	1.78	1.17	0.222723	0.523959	AT2G20070	defensin-like protein 78
13374002	2.01	1.86	1.11	0.140963	0.467457	AT1G30170	hypothetical protein
13466501	2.01	1.85	1.11	0.319431	0.570224	AT4G08910	hypothetical protein
13507977	2.01	1.86	1.11	0.555638	0.703108	AT5G38195	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13423929	2.01	1.9	1.08	0.162806	0.484829	AT3G03850	SAUR-like auxin-responsive protein
13435621	2.01	1.93	1.06	0.605945	0.736663	AT3G44805	TRAF-like family protein
13491837	2.01	1.92	1.06	0.702996	0.80436	AT4G31030; AT4G31040	Putative membrane lipoprotein; CemA-like proton extrusion protein-like protein
13533446	2.01	1.93	1.06	0.439361	0.62933	GLP6	germin-like protein 6
13344156	2.01	1.95	1.05	0.683895	0.790767	AT1G24380	hypothetical protein
13535340	2.01	1.94	1.05	0.818133	0.883641	AT5G44306	hypothetical protein
13449612	2.01	1.96	1.03	0.562497	0.707644	AT3G14970	RING/U-box domain-containing protein
13536232	2.01	1.99	1.02	0.957571	0.974933	KCO3	putative calcium-activated outward-rectifying potassium channel 3
13490133	2.01	2.05	-1.03	0.88033	0.926795	AT4G26950	hypothetical protein
13512757	2.01	2.06	-1.04	0.659352	0.774419	AT5G49750	leucine-rich repeat-containing protein
13533240	2.01	2.08	-1.05	0.777969	0.855454	AT5G38410	ribulose bisphosphate carboxylase small chain 3B
13502906	2.01	2.09	-1.06	0.631469	0.754569	AT5G18160	F-box protein
13467046	2.01	2.11	-1.07	0.697879	0.801104	ATHSP22.0	heat shock protein 22
13401464	2.01	2.12	-1.08	0.704922	0.805822	AT2G36325	GDSL esterase/lipase
13370010	2.01	2.14	-1.1	0.466827	0.645035		
13446864	2.01	2.18	-1.12	0.039916	0.365591	AT3G09380	hypothetical protein
13508310	2.01	2.19	-1.13	0.364426	0.589374	AT5G39220	hydrolase, alpha/beta fold family protein
13434927	2.01	2.2	-1.14	0.247506	0.536171	AT3G42160	pectinesterase-related protein
13450665	2.01	2.2	-1.14	0.106079	0.437904	GAD5	glutamate decarboxylase 5
13376696	2.01	2.21	-1.15	0.095953	0.431873	AT1G47790	putative F-box protein
13412810	2.01	2.21	-1.15	0.6167	0.744582	AT2G25500	Inosine triphosphate pyrophosphatase-like protein
13336991	2.01	2.22	-1.16	0.38959	0.599938	AT1G07485; RTFL3	hypothetical protein; protein rotundifolia like 3
13545609	2.01	2.24	-1.18	0.427699	0.621825	AT3G20220; DELTA-VPE	SAUR-like auxin-responsive protein; legumain
13461934	2.01	2.26	-1.19	0.554775	0.702845	AT3G59240	putative F-box/LRR-repeat protein
13423230	2.01	2.29	-1.21	0.222071	0.523243	AT3G02242	hypothetical protein
13454075	2.01	2.28	-1.21	0.701206	0.803353	AT3G26860	self-incompatibility S1 family protein
13486342	2.01	2.3	-1.22	0.63858	0.759352	AT4G18000	hypothetical protein
13519678	2.01	2.3	-1.22	0.316036	0.568464	AT5G65370	putative clathrin assembly protein
13515341	2.01	2.31	-1.23	0.207083	0.513495	AT5G55270	hypothetical protein
13472005	2.01	2.35	-1.26	0.143232	0.469032	AT4G22170	F-box protein
13535840	2.01	2.35	-1.27	0.006938	0.285606	AT5G45540	hypothetical protein
13413516	2.01	2.35	-1.27	0.271925	0.548926	MYB104	myb domain protein 104

13393308	2.01	2.37	-1.28	0.378549	0.594477	AT2G16040	hAT dimerisation domain-containing protein / transposase-related protein
13416674	2.01	2.38	-1.29	0.199905	0.509259	AT2G34100	hypothetical protein
13470530	2.01	2.39	-1.3	0.067852	0.405979	MYB98	transcription factor MYB98
13393253	2.01	2.4	-1.31	0.136293	0.465036	AT2G15710	TRAF-like family protein
13367592	2.01	2.44	-1.34	0.097216	0.433165	AT1G13650	hypothetical protein
13373436	2.01	2.46	-1.37	0.516328	0.676175	AT1G28640	GDSL esterase/lipase
13476146	2.01	2.52	-1.43	0.371371	0.591914	AT4G31640	B3 domain-containing protein REM5
13400200	2.01	2.56	-1.47	0.165191	0.485944	AT2G33300; IAA13	Transcription elongation factor (TFIIS) family protein; auxin-responsive protein IAA13
13489869	2.01	2.58	-1.48	0.311339	0.566973	GAMT1	S-adenosyl-L-methionine-dependent methyltransferases-like protein protein
13531075	2.01	2.63	-1.53	0.120879	0.45228	TGG1	myrosinase 1
13482609	2.01	2.77	-1.7	0.223745	0.524399	STK	agamous-like MADS-box protein AGL11
13500988	2.01	2.82	-1.75	0.469621	0.646589	AT5G13360	auxin-responsive GH3 family protein
13399633	2.01	2.84	-1.78	0.37469	0.593142		
13470769	2.01	2.92	-1.88	0.394442	0.602714	AT4G19340; AT4G19260; AT4G19330	SCD6-related protein; kelch repeat-containing protein; putative F-box/kelch-repeat protein
13476263	2.01	2.95	-1.92	0.217706	0.520626	CYP82C4	cytochrome P450, family 82, subfamily C, polypeptide 4
13358384	2.01	3.09	-2.12	0.017947	0.319749	AT1G72645	hypothetical protein
13466733	2.01	3.43	-2.67	0.238908	0.532292	AT4G09466	carbohydrate-binding X8 domain-containing protein
13454616	2.01	3.5	-2.81	0.421401	0.617973	AT3G27835	putative defensin-like protein 29
13366267	2.01	3.59	-2.98	0.028001	0.344531	AT1G10640	Pectin lyase-like protein
13514204	2.01	3.59	-3	0.452532	0.636679	AT5G52930	hypothetical protein
13493093	2.01	4.03	-4.07	0.293072	0.559559	AT4G33585; BCA5	hypothetical protein; beta carbonic anhydrase 5
13339984	2	1.7	1.23	0.235837	0.530405	AT1G14260	RING/FYVE/PHD zinc finger-containing protein
13484871	2	1.78	1.16	0.375044	0.593207	AT4G15056	hypothetical protein
13373061	2	1.83	1.12	0.534441	0.688663	AT1G27860	hypothetical protein
13526699	2	1.85	1.11	0.640593	0.760374	01-Sep	developmental protein SEPALLATA 1
13349184	2	1.87	1.09	0.639754	0.760115	AT1G47390	putative F-box protein
13334274	2	1.88	1.08	0.330677	0.575803	AT1G01305	hypothetical protein
13356837	2	1.9	1.07	0.459193	0.640422	AT1G68980	pentatricopeptide repeat-containing protein
13360381	2	1.92	1.06	0.675907	0.785183	MUB5	membrane-anchored ubiquitin-fold protein 5
13393115	2	1.95	1.04	0.629528	0.753289	AT2G15260	RING/U-box domain-containing protein
13507495	2	1.93	1.04	0.613724	0.742521	AT5G36228	nucleic acid binding / zinc ion binding protein
13534334	2	1.99	1.01	0.967939	0.981224	AT5G41765	DNA-binding storekeeper protein-related transcriptional regulator
13539113	2	1.99	1.01	0.951368	0.971037	AT5G53710	hypothetical protein
13357012	2	2.04	-1.03	0.832198	0.893733	CYP704B1	cytochrome P450, family 704, subfamily B, polypeptide 1
13491043	2	2.04	-1.03	0.808774	0.87745	LCR21	defensin-like protein 156
13501655	2	2.04	-1.03	0.771429	0.851113	AT5G14990	hypothetical protein
13370395	2	2.07	-1.05	0.097141	0.433165	AT1G20320	haloacid dehalogenase-like hydrolase
13471942	2	2.07	-1.05	0.75642	0.840685	AT4G21970	hypothetical protein

13478980	2	2.08	-1.06	0.729332	0.822736	ELI3-2	cinnamyl alcohol dehydrogenase 8
13502571	2	2.09	-1.07	0.487524	0.656709	AT5G17180	hypothetical protein
13381841	2	2.11	-1.08	0.099698	0.434356	AT1G61300	LRR and NB-ARC domain-containing disease resistance protein
13466398	2	2.12	-1.09	0.165083	0.485944	AT4G08550	electron carrier/ protein disulfide oxidoreductase
13482906	2	2.13	-1.09	0.516885	0.676657	AT4G10596	hypothetical protein
13521413	2	2.13	-1.09	0.581981	0.7214	AT5G03060	hypothetical protein
13358872	2	2.16	-1.11	0.033331	0.354018	BEE3	transcription factor BEE 3
13511409	2	2.17	-1.12	0.410105	0.61151	AT5G46820	hypothetical protein
13353076	2	2.18	-1.13	0.384529	0.597873	AT1G57580	F-box protein
13412778	2	2.18	-1.13	0.671816	0.782308	AT2G25330	TRAF-like family protein
13472291	2	2.19	-1.14	0.418899	0.616615	AT4G23120	Bromo-adjacent homology (BAH) domain-containing protein
13397874	2	2.19	-1.15	0.211962	0.517359	AT2G27520	F-box/LRR-repeat/kelch-repeat protein
13499004	2	2.2	-1.15	0.052631	0.382994	AT5G07850	HXXXD-type acyl-transferase-like protein
13405941	2	2.23	-1.18	0.047239	0.377622	AT2G46787	hypothetical protein
13352198	2	2.25	-1.19	0.017478	0.319218	AT1G54720	early-responsive to dehydration-related protein
13436321	2	2.26	-1.19	0.474932	0.649178	AT3G47100	hypothetical protein
13367623	2	2.26	-1.2	0.595216	0.730084	AT1G13755	defensin-like protein 260
13337996	2	2.31	-1.24	0.467123	0.645076	AT1G09500	Rossmann-fold NAD(P)-binding domain-containing protein
13348911	2	2.31	-1.24	0.19267	0.505579	AT1G44940	hypothetical protein
13370180	2	2.31	-1.24	0.432386	0.624818	CNGC8	cyclic nucleotide gated channel 8
13352354	2	2.32	-1.25	0.484568	0.654458	AT1G55070	putative F-box protein
13420767	2	2.32	-1.25	0.303031	0.564046	AT2G43371	hypothetical protein
13354647	2	2.33	-1.26	0.014849	0.313095	AT1G63210	transcription elongation factor SPT6
13343203	2	2.36	-1.28	0.534249	0.688574	AT1G21960	RING/U-box domain-containing protein
13484027	2	2.41	-1.33	0.599224	0.731685	AT4G13450	universal stress protein (USP) family protein
13434943	2	2.44	-1.35	0.197265	0.507663	LCR47	defensin-like protein 91
13455606	2	2.46	-1.37	0.220461	0.521902	AT3G42830	RING-box protein 1
13533576	2	2.46	-1.38	0.299027	0.562493	AT5G39540	F-box associated ubiquitination effector family protein
13504826	2	2.48	-1.39	0.200017	0.509273	TT16	protein TRANSPARENT TESTA 16
13498671	2	2.49	-1.4	0.001258	0.242634	AT5G07260	START lipid-binding domain-containing protein
13394771	2	2.53	-1.44	0.437933	0.628329	AT2G19850	hypothetical protein
13541091	2	2.56	-1.47	0.123523	0.45359	AT5G58782	dehydrodolichyl diphosphate synthase 4
13514102	2	2.58	-1.49	0.016558	0.316275	AT5G52700	copper transport family protein
13342704	2	2.57	-1.49	0.323422	0.572607	AT1G20730	hypothetical protein
13358769	2	2.57	-1.49	0.15375	0.476554	LCR64	defensin-like protein 178
13531411	2	2.7	-1.62	0.030558	0.350098	AT5G27080	cell division cycle 20, cofactor of APC complex
13431638	2	2.7	-1.62	0.097263	0.433165	AT3G22000	cysteine-rich repeat secretory protein 30
13424638	2	2.75	-1.68	0.094033	0.430637	AT3G05460	sporozoite surface protein-like protein
13459121	2	2.78	-1.72	0.266401	0.546291	OFP18	ovate family protein 18
13447797	2	2.82	-1.77	0.350892	0.582019	AT3G11300	hypothetical protein
13466000	2	2.82	-1.77	0.4254	0.620463	AT4G05360	Zinc knuckle (CCHC-type) family protein
13342700	2	2.89	-1.84	0.262843	0.543826	WOX10	putative WUSCHEL-related homeobox 10

13447696	2	2.88	-1.84	0.178619	0.494539	AT3G11060	hypothetical protein
13442666	2	2.89	-1.86	0.021271	0.325044	AT3G62550	putative adenine nucleotide alpha hydrolase domain-containing universal stress protein
13522906	2	2.98	-1.98	0.02949	0.348027	PGIP1	Polygalacturonase inhibitor 1
13363563	2	2.99	-1.99	0.304363	0.564882	AT1G05040	hypothetical protein
13435758	2	3.03	-2.03	0.148798	0.471967	AT3G45248	ECA1 gametogenesis related family protein
13461095	2	3.06	-2.08	0.383874	0.597749	BG3	beta-1,3-glucanase 3
13489882	2	3.21	-2.31	0.198287	0.508011	LRE	GPI-anchored protein LORELEI
13395625	2	3.56	-2.96	0.378522	0.594477		
13411796	2	3.66	-3.15	0.263212	0.544227	ACS4	1-aminocyclopropane-1-carboxylate synthase
13426260	2	3.8	-3.48	0.255613	0.540325	AT3G09930	GDSL esterase/lipase
13510149	1.99	1.77	1.16	0.399732	0.605583	AT5G43695	hypothetical protein
13377186	1.99	1.81	1.13	0.432654	0.625072		
13451400	1.99	1.83	1.12	0.108104	0.439915	AT3G19615	hypothetical protein
13471351	1.99	1.87	1.09	0.5566	0.703733	AT4G20800	FAD-binding and BBE domain-containing protein
13512387	1.99	1.9	1.06	0.26345	0.544444	LCR12	putative defensin-like protein 165
13392927	1.99	1.93	1.04	0.604522	0.73556	LURP1	LURP1 protein
13400514	1.99	1.98	1.01	0.982373	0.989692		
13407839	1.99	2.03	-1.02	0.650384	0.767702	AT2G04675	hypothetical protein
13395924	1.99	2.06	-1.05	0.674731	0.784469	AT2G22520	hypothetical protein
13463031	1.99	2.06	-1.05	0.37191	0.591916	NAC066	NAC domain-containing protein 66
13342513	1.99	2.07	-1.06	0.474003	0.648623	AT1G20120	GDSL esterase/lipase
13446744	1.99	2.08	-1.07	0.404347	0.608575	AT3G09120	hypothetical protein
13400542	1.99	2.1	-1.08	0.393905	0.602601	AT2G34230	hypothetical protein
13444081	1.99	2.12	-1.09	0.41021	0.611635	AT3G03405	F-box associated ubiquitination effector family protein
13353168	1.99	2.15	-1.12	0.035673	0.356207	AT1G58055	defensin-like protein 117
13357345	1.99	2.15	-1.12	0.257772	0.541251	AT1G70270	hypothetical protein
13411506	1.99	2.19	-1.14	0.492993	0.660367	AT2G21920	putative B3 domain-containing protein
13342521	1.99	2.2	-1.15	0.034085	0.354099	AT1G20130	anther-specific proline-rich protein APG
13341128	1.99	2.2	-1.15	0.324983	0.573146	TPS3	trehalose-phosphatase/synthase 3
13453578	1.99	2.21	-1.16	0.21353	0.518061	AT3G25233	hypothetical protein
13522173	1.99	2.27	-1.21	0.259674	0.542423	AT5G05030	hypothetical protein
13377342	1.99	2.28	-1.22	0.509885	0.672017	AT1G49130	zinc finger protein CONSTANS-LIKE 8
13488131	1.99	2.3	-1.24	0.234392	0.529614	AT4G22660	putative F-box protein
13442325	1.99	2.31	-1.25	0.042977	0.37052	AT3G61550	RING-H2 finger protein ATL68
13343325	1.99	2.34	-1.27	0.13341	0.462988	AT1G22250; ZYP1a	hypothetical protein; synaptonemal complex protein 1
13399253	1.99	2.34	-1.28	0.003331	0.253459	AT2G31210	transcription factor bHLH91
13378080	1.99	2.37	-1.3	0.213492	0.518061	AT1G51055	FBD-like domain family protein
13416050	1.99	2.37	-1.3	0.457216	0.639333	AT2G32880	TRAF-like family protein
13431644	1.99	2.37	-1.3	0.222812	0.524028	AT3G22020	Receptor-like protein kinase-related family protein
13511369	1.99	2.47	-1.39	0.072564	0.408352	AT5G46670	Cysteine/Histidine-rich C1 domain family protein
13408896	1.99	2.48	-1.4	0.187634	0.502008	AT2G14690; MEE13	glycosyl hydrolases family 10 domain-containing protein; myosin heavy chain-related protein

13408623	1.99	2.5	-1.43	0.171344	0.489309	AT2G13295	hypothetical protein
13435760	1.99	2.59	-1.52	0.134055	0.463251	AT3G45252	ECA1 gametogenesis related family protein
13498909	1.99	2.61	-1.53	0.061848	0.398248	MYB29	myb domain protein 29
13466348	1.99	2.7	-1.64	0.160047	0.482605	AT4G08395	hypothetical protein
13408071	1.99	2.71	-1.65	0.377149	0.593746	AT2G05970	F-box protein
13501790	1.99	2.73	-1.66	0.361768	0.587911	MYB16	myb domain protein 16
13362633	1.99	2.81	-1.77	0.328688	0.574572	AT1G03055	hypothetical protein
13510406	1.99	2.83	-1.79	0.164762	0.485884	AT5G44270	TPX2 (targeting protein for Xklp2) family protein
13483635	1.99	2.93	-1.93	0.091823	0.429207	AT4G12530	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13423862	1.99	3.04	-2.07	0.296163	0.561293	LBD20	LOB domain-containing protein 20
13379948	1.99	3.06	-2.1	0.051141	0.382129	PSAG	photosystem I reaction center subunit V
13442186	1.99	3.1	-2.16	0.047167	0.377622	AT3G61300	C2 calcium/lipid-binding and phosphoribosyltransferase C-terminal domain-containing protein
13345686	1.99	3.33	-2.53	0.26119	0.543224	AT1G29010	hypothetical protein
13422405	1.99	3.46	-2.77	0.158378	0.481042	AT2G47370	calcium-dependent phosphotriesterase-like protein
13461938	1.99	3.48	-2.81	0.344963	0.579915	AT3G59250	F-box/LRR-repeat protein
13351471	1.99	3.69	-3.26	0.256184	0.540541	AT1G53080	legume lectin-like protein
13453713	1.99	4.35	-5.14	0.27634	0.551284	AT3G25719	hypothetical protein
13533475	1.99	4.44	-5.45	0.367762	0.590869	AT5G39170	hypothetical protein
13385470	1.98	1.59	1.3	0.045244	0.375052		
13394148	1.98	1.61	1.29	0.138217	0.46568	AT2G18320	F-box associated ubiquitination effector family protein
13430548	1.98	1.81	1.13	0.456187	0.638899	AT3G19410	putative F-box/kelch-repeat protein
13349308	1.98	1.81	1.12	0.556876	0.70384	AT1G47580	putative lipoyltransferase
13521894	1.98	1.81	1.12	0.385069	0.598088	AT5G04267	hypothetical protein
13342137	1.98	1.85	1.1	0.254695	0.539965	AT1G19115	hypothetical protein
13359465	1.98	1.85	1.1	0.684629	0.79136	AT1G75530	Forkhead-associated (FHA) domain-containing protein
13402434	1.98	1.84	1.1	0.441275	0.630118	AT2G38590	F-box protein
13505438	1.98	1.84	1.1	0.54778	0.697861		
13342604	1.98	1.86	1.09	0.560471	0.706347	AT1G20470	SAUR-like auxin-responsive protein
13456140	1.98	1.85	1.09	0.734018	0.825904	AT3G44780	peptidase-C1 family protein-like protein
13353613	1.98	1.88	1.08	0.772216	0.851586	AT1G59833	putative defensin-like protein 63
13496837	1.98	1.87	1.08	0.119504	0.45045	AT5G03130	hypothetical protein
13366693	1.98	1.9	1.06	0.677514	0.78638	AT1G11362	plant invertase/pectin methylesterase inhibitor domain-containing protein
13450394	1.98	1.96	1.02	0.894729	0.935259	AT3G16960	hypothetical protein
13503997	1.98	1.96	1.02	0.867139	0.917299	AT5G20440	Mob1/phocein family protein
13401706	1.98	1.99	-1.01	0.886	0.930194	AT2G36916	hypothetical protein
13356509	1.98	2.03	-1.04	0.819076	0.884259	AT1G68170	nodulin MtN21 /EamA-like transporter family protein
13533126	1.98	2.04	-1.04	0.832951	0.894374	AT5G37920	hypothetical protein
13366812	1.98	2.05	-1.05	0.245768	0.53542	AT1G11785	hypothetical protein
13479971	1.98	2.04	-1.05	0.84246	0.900702	AT4G00250	DNA-binding storekeeper protein-related transcriptional regulator
13533042	1.98	2.07	-1.07	0.275958	0.551066	AT5G37667	hypothetical protein

13537364	1.98	2.1	-1.09	0.675657	0.785021	MYB111	myb domain protein 111
13396749	1.98	2.11	-1.1	0.722917	0.818083	AT2G24693	defensin-like protein 87
13394356	1.98	2.13	-1.11	0.341306	0.578648	VEL3	vernalization5/VIN3-like protein
13399207	1.98	2.14	-1.12	0.16885	0.487488	AT2G31035	hypothetical protein
13474759	1.98	2.15	-1.12	0.277857	0.552487	MGT5	magnesium transporter MRS2-6
13486282	1.98	2.17	-1.14	0.315831	0.568464	AT4G17860	hypothetical protein
13519303	1.98	2.16	-1.14	0.168016	0.487067	AT5G64541	hypothetical protein
13460828	1.98	2.19	-1.15	0.598902	0.731685	AT3G56610	hypothetical protein
13539104	1.98	2.22	-1.18	0.027389	0.342328	AT5G53635	F-box/RNI-like/FBD-like domains-containing protein
13391714	1.98	2.22	-1.18	0.587568	0.725776	AT2G04840	F-box protein
13397807	1.98	2.25	-1.21	0.527539	0.684491	AT2G27320	hypothetical protein
13438894	1.98	2.29	-1.23	0.347364	0.58045	CYP71B31	cytochrome P450 71B31
13466879	1.98	2.28	-1.23	0.209354	0.514765	AT4G09870	putative F-box protein
13538540	1.98	2.29	-1.24	0.044234	0.374287	AT5G52090	tRNA-splicing endonuclease positive effector-related protein
13339918	1.98	2.29	-1.24	0.344852	0.579915	FUT8	fucosyltransferase 8
13391697	1.98	2.31	-1.25	0.506219	0.669645	AT2G04790	hypothetical protein
13482153	1.98	2.32	-1.26	0.154591	0.477786	AT4G08151	hypothetical protein
13377489	1.98	2.35	-1.29	0.431502	0.623982	AT1G49640	alpha/beta-hydrolase-like protein
13409222	1.98	2.35	-1.3	0.05962	0.395062	AT2G16300	F-box-like protein
13418754	1.98	2.36	-1.3	0.255585	0.540325	CPK20	calcium-dependent protein kinase 20
13435045	1.98	2.36	-1.3	0.516725	0.676478	MEE38	maternal effect embryo arrest 38 protein
13375596	1.98	2.37	-1.31	0.358503	0.585867	AT1G35180	TRAM, LAG1 and CLN8 (TLC) lipid-sensing domain containing protein
13432268	1.98	2.41	-1.34	0.311594	0.566992	AT3G23460	cyclopropane fatty acid synthase-related protein
13525506	1.98	2.45	-1.39	0.441532	0.630322	AT5G13181	hypothetical protein
13454691	1.98	2.48	-1.41	0.14381	0.469269	AT3G28020	hypothetical protein
13487259	1.98	2.5	-1.43	0.534607	0.688784	AT4G20450	putative LRR receptor-like serine/threonine-protein kinase
13378426	1.98	2.5	-1.44	0.290566	0.5586	AT1G51900	Regulator of Vps4 activity in the MVB pathway protein
13506278	1.98	2.51	-1.44	0.471635	0.64746	AGL54	protein agamous-like 54
13391751	1.98	2.55	-1.48	0.361653	0.587904	AT2G05060	protein kinase-like protein
13452033	1.98	2.56	-1.49	0.162273	0.484293	AT3G21080	ABC transporter-like protein
13488068	1.98	2.64	-1.58	0.220644	0.522034	AT4G22490	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13453102	1.98	2.65	-1.6	0.068734	0.406403	AT3G24093	hypothetical protein
13422812	1.98	2.69	-1.64	0.047254	0.377622	AT3G01322	ECA1-like gametogenesis related family protein
13385419	1.98	2.79	-1.75	0.320111	0.570636	AT1G69650	TRAF-like family protein
13456289	1.98	2.81	-1.78	0.164309	0.485779	AT3G45220	serpin-Z4
13468965	1.98	2.82	-1.79	0.083218	0.417856	AT4G15248	B-box type zinc finger-containing protein
13396793	1.98	2.85	-1.83	0.311426	0.566973	AGL61	agamous-like MADS-box protein AGL61
13532628	1.98	2.93	-1.94	0.41556	0.614673	AT5G36490; AT5G36500	ECA1 gametogenesis related family protein
13432842	1.98	2.95	-1.97	0.363598	0.588822	AT3G24700	F-box and associated interaction domain-containing protein
13506956	1.98	3.18	-2.29	0.423253	0.619069	AT5G28800	hypothetical protein

13374426	1.98	3.35	-2.58	0.408411	0.610666	AT1G31250	proline-rich family protein
13487634	1.98	3.88	-3.75	0.311725	0.567081	AT4G21640	Subtilase family protein
13538783	1.98	4.03	-4.13	0.287411	0.557153	AT5G52860	ABC transporter G family member 8
13438884	1.97	1.59	1.3	0.259702	0.542423	AT3G53250	SAUR-like auxin-responsive protein
13473757	1.97	1.77	1.15	0.012471	0.301412		
13450237	1.97	1.8	1.13	0.348565	0.580766	AT3G16590	putative F-box protein
13545489	1.97	1.82	1.11	0.776602	0.854511		
13545491	1.97	1.82	1.11	0.776602	0.854511		
13481588	1.97	1.83	1.1	0.1817	0.496969	AT4G04601	hypothetical protein
13439047	1.97	1.84	1.09	0.06566	0.402488	AT3G53770	late embryogenesis abundant 3 (LEA3) family protein
13511402	1.97	1.86	1.08	0.570587	0.713022	AT5G46810	hypothetical protein
13391382	1.97	1.93	1.03	0.867551	0.9176	AT2G03880	pentatricopeptide repeat-containing protein
13438295	1.97	1.99	-1.01	0.939715	0.963756	scpl36	carboxypeptidase D
13423358	1.97	2.01	-1.03	0.767417	0.848126	AT3G02500	hypothetical protein
13542401	1.97	2.02	-1.04	0.536877	0.690339	AT5G62110	DNA-binding domain-containing protein
13411880	1.97	2.05	-1.05	0.705027	0.805878	AT2G23096	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase-like protein
13467593	1.97	2.04	-1.05	0.740815	0.829696	LCR17	defensin-like protein 151
13456472	1.97	2.05	-1.06	0.556029	0.703353	AT3G45760	Nucleotidyltransferase family protein
13513733	1.97	2.06	-1.07	0.809745	0.878124	SBT1.3	subtilase 1.3
13441078	1.97	2.08	-1.08	0.673421	0.783602	AT3G58890	syntaxin-related family protein
13508304	1.97	2.07	-1.08	0.627182	0.751424	CRR7	chlororespiratory reduction 7
13471405	1.97	2.12	-1.1	0.385314	0.598088	ACA6	alpha carbonic anhydrase 6
13371210	1.97	2.16	-1.14	0.531424	0.687067	AT1G22290	14-3-3 family protein
13529293	1.97	2.15	-1.14	0.437697	0.628204	AT5G22270	hypothetical protein
13403341	1.97	2.21	-1.18	0.202287	0.510403	AT2G40580	protein kinase-like protein
13435330	1.97	2.21	-1.18	0.58407	0.723023	AT3G44130	putative F-box protein
13520777	1.97	2.24	-1.21	0.023459	0.330182	AT5G01320	pyruvate decarboxylase
13401583	1.97	2.24	-1.21	0.510623	0.672401		
13417663	1.97	2.24	-1.21	0.510623	0.672401		
13426297	1.97	2.24	-1.21	0.510623	0.672401		
13438717	1.97	2.24	-1.21	0.510623	0.672401		
13497150	1.97	2.24	-1.21	0.510623	0.672401		
13422774	1.97	2.26	-1.22	0.054807	0.386133	AT3G01250	hypothetical protein
13481223	1.97	2.29	-1.25	0.570867	0.713066		
13374533	1.97	2.3	-1.26	0.13687	0.465316	AT1G31520	hypothetical protein
13425592	1.97	2.33	-1.28	0.270078	0.54823	AT3G07730	hypothetical protein
13349484	1.97	2.34	-1.3	0.393754	0.602434	AT1G48195	zinc finger CCCH domain-containing protein 13
13450196	1.97	2.35	-1.31	0.099093	0.433828	AT3G16530	legume lectin-like protein
13508593	1.97	2.37	-1.31	0.575725	0.716779	AGL76	protein agamous-like 76
13408919	1.97	2.37	-1.32	0.223946	0.524625	AT2G14760	transcription factor bHLH84
13379905	1.97	2.38	-1.33	0.038144	0.363017	sks14	SKU5 similar 14
13457718	1.97	2.4	-1.35	0.023791	0.331326	AT3G49200	O-acyltransferase (WSD1-like) family protein
13542212	1.97	2.43	-1.38	0.305408	0.565001	AT5G61520	sugar transport protein 3
13400204	1.97	2.46	-1.4	0.311447	0.566975	AT2G33350	CCT motif-containing protein
13412078	1.97	2.45	-1.4	0.069853	0.406403	LBD10	LOB domain-containing protein 10
13515749	1.97	2.46	-1.41	0.196305	0.507185	AT5G56369	putative defensin-like protein 283

13390036	1.97	2.5	-1.44	0.044551	0.374597	IAA15	auxin-responsive protein IAA15
13419265	1.97	2.55	-1.49	0.221968	0.523175	AT2G40050	cysteine/histidine-rich C1 domain-containing protein
13344066	1.97	2.56	-1.51	0.150315	0.473213	AT1G24159	Interleukin-1 receptor-associated kinase 4 protein
13409226	1.97	2.56	-1.51	0.207579	0.513566	AT2G16360	40S ribosomal protein S25-1
13497402	1.97	2.57	-1.52	0.16872	0.487419	AT5G04350	self-incompatibility S1 family protein
13359006	1.97	2.59	-1.54	0.117974	0.448003	AT1G74130	Rhomboid-related intramembrane serine protease-like protein
13437974	1.97	2.6	-1.54	0.169519	0.48788	AT3G51210	flavonol 3-sulfotransferase-related protein
13480692	1.97	2.6	-1.55	0.121176	0.45228	PGP5	ABC transporter B family member 5
13376382	1.97	2.61	-1.56	0.127077	0.456791	AT1G45010	TRAM, LAG1 and CLN8 (TLC) lipid-sensing domain containing protein
13468282	1.97	2.65	-1.61	0.405774	0.609101	AT4G13760	glycoside hydrolase family 28 protein / polygalacturonase (pectinase) family protein
13398584	1.97	2.67	-1.62	0.322316	0.571578	SAG13	senescence-associated protein 13
13364566	1.97	2.72	-1.68	0.456547	0.639006	AT1G07160	putative protein phosphatase 2C 2
13445144	1.97	2.72	-1.68	0.443215	0.631274	AT3G05741	plant invertase/pectin methylesterase inhibitor domain-containing protein
13480516	1.97	2.86	-1.85	0.089246	0.426215		
13469992	1.97	2.92	-1.93	0.01485	0.313095	LIL3:1	chlorophyll A-B binding protein
13474160	1.97	3.54	-2.98	0.038826	0.364658	SESA2	seed storage albumin 2
13379027	1.97	3.61	-3.12	0.336326	0.576994	AT1G53366	hypothetical protein
13442690	1.97	3.66	-3.23	0.146725	0.470962	MYB11	myb domain protein 11
13346044	1.97	3.76	-3.45	0.056374	0.389117	CAB1	chlorophyll a-b binding protein 1
13453503	1.97	4.28	-4.97	0.202527	0.510485	RLP39	receptor like protein 39
13485693	1.97	4.51	-5.82	0.026334	0.337944	RPP4	TIR-NBS-LRR class disease resistance protein
13433594	1.97	5.12	-8.9	0.009827	0.296261	GAPA	glyceraldehyde-3-phosphate dehydrogenase A
13532604	1.97	5.65	-12.77	0.367833	0.590874	AT5G36310; AT5G36320; AT5G36330; AT5G36340; AT5G36370; AT5G36540; AT5G36659; AT5G36661; AT5G36662; AT5G36738; AT5G36739	ECA1 gametogenesis related family protein
13398371	1.96	1.47	1.4	0.067645	0.4056	AT2G28710	C2H2-type zinc finger-containing protein
13545455	1.96	1.57	1.31	0.300842	0.563793		
13545449	1.96	1.64	1.24	0.539816	0.692057		
13487412	1.96	1.77	1.14	0.559119	0.705327	AT4G21080	Dof zinc finger protein DOF4.5
13400817	1.96	1.83	1.1	0.32919	0.574796	RALFL20	RALF-like 20 protein
13450486	1.96	1.87	1.07	0.664539	0.777158	AT3G17265	putative F-box protein
13422695	1.96	1.88	1.06	0.6277	0.751739	AT3G01030	C2H2 and C2HC zinc finger-like protein
13413371	1.96	1.97	-1.01	0.942987	0.965795	SEH	soluble epoxide hydrolase
13450208	1.96	1.98	-1.01	0.92723	0.956048	DEGP12	DEGP protease 12

13506481	1.96	1.97	-1.01	0.926851	0.955879	AT5G27530	glycoside hydrolase family 28 protein / polygalacturonase (pectinase) family protein
13378084	1.96	2.03	-1.05	0.245114	0.535223	AT1G51080	hypothetical protein
13455149	1.96	2.03	-1.05	0.797797	0.869928	AT3G29340	C2H2-type zinc finger protein
13398801	1.96	2.07	-1.08	0.571898	0.714052	AT2G29920	hypothetical protein
13478104	1.96	2.07	-1.08	0.674576	0.784469	AT4G35690	hypothetical protein
13385219	1.96	2.08	-1.09	0.597465	0.731118	AT1G69090	hypothetical protein
13456899	1.96	2.1	-1.1	0.48461	0.654458	AT3G46901	hypothetical protein
13338872	1.96	2.11	-1.11	0.258991	0.541654	AT1G11590	pectinesterase 19
13442477	1.96	2.11	-1.12	0.429731	0.622826	MTPA1	metal tolerance protein A1
13470550	1.96	2.15	-1.14	0.434174	0.625977	AT4G18870	E2F/DP family winged-helix DNA-binding domain-containing protein
13407966	1.96	2.16	-1.15	0.359559	0.586278	AT2G05270	hypothetical protein
13434319	1.96	2.19	-1.18	0.198664	0.508119	AT3G28560	BCS1 AAA-type ATPase
13436330	1.96	2.23	-1.21	0.138574	0.46568	AT3G47150	putative F-box/kelch-repeat protein
13428862	1.96	2.25	-1.22	0.287747	0.557356	AT3G15909	hypothetical protein
13409771	1.96	2.28	-1.25	0.356421	0.584728	AT2G17740	cysteine/histidine-rich C1 domain-containing protein
13382389	1.96	2.32	-1.29	0.022196	0.326278	AT1G62690	hypothetical protein
13422753	1.96	2.34	-1.31	0.470025	0.646758	AT3G01185	hypothetical protein
13352117	1.96	2.36	-1.32	0.386154	0.598591	AT1G54445	defensin-like protein 90
13339015	1.96	2.37	-1.33	0.023473	0.330182	AT1G11850	hypothetical protein
13449928	1.96	2.37	-1.33	0.101383	0.435108	PIFI	post-illumination chlorophyll fluorescence increase protein
13419576	1.96	2.41	-1.37	0.379413	0.595081	AT2G40802	hypothetical protein
13466098	1.96	2.41	-1.37	0.216729	0.519916	AT4G05612	hypothetical protein
13356772	1.96	2.43	-1.38	0.264384	0.54536	AT1G68875	hypothetical protein
13354758	1.96	2.44	-1.39	0.271533	0.548926	AT1G63550	cysteine-rich repeat secretory protein 9
13434755	1.96	2.44	-1.39	0.312637	0.567721	AT3G30383	hypothetical protein
13355524	1.96	2.46	-1.42	0.181129	0.496568	AT1G65486	hypothetical protein
13408197	1.96	2.46	-1.42	0.534078	0.68842	AT2G07110	hypothetical protein
13435754	1.96	2.47	-1.43	0.290492	0.5586	AT3G45243	ECA1 gametogenesis related family protein
13456694	1.96	2.56	-1.52	0.126233	0.455497	AT3G46270	receptor protein kinase-like protein
13512070	1.96	2.58	-1.54	0.429863	0.622872	AT5G48210	hypothetical protein
13372668	1.96	2.6	-1.55	0.129223	0.459395	AT1G26515	F-box and associated interaction domain-containing protein
13340222	1.96	2.72	-1.69	0.251177	0.538315	AT1G15045	hypothetical protein
13465752	1.96	2.8	-1.79	0.20477	0.511575	AT4G04775	zinc ion binding protein
13523129	1.96	2.8	-1.79	0.324887	0.573118	GRP14	glycine-rich protein 14
13541346	1.96	2.83	-1.82	0.095511	0.431665	LTP4	non-specific lipid-transfer protein 4
13405408	1.96	3	-2.07	0.327131	0.574085	AT2G45600	alpha/beta-hydrolase domain-containing protein

13375574	1.96	3.12	-2.25	0.42878	0.622487	AT1G34840; AT1G34850; AT1G34810; AT1G34815; AT1G34830; AT1G34795; AT1G34800; AT1G34805; AT1G34820; AT1G34825	Plant thionin family protein
13375576	1.96	3.12	-2.25	0.42878	0.622487	AT1G34840; AT1G34850; AT1G34810; AT1G34815; AT1G34830; AT1G34795; AT1G34800; AT1G34805; AT1G34820; AT1G34825	Plant thionin family protein
13503955	1.96	3.14	-2.26	0.37478	0.593164	BETAG4	beta-1,3-glucanase 4
13344994	1.96	3.15	-2.27	0.106918	0.439124	AT1G27135	maternally expressed family protein
13492276	1.96	3.24	-2.44	0.331834	0.576146	AT4G32105	beta-1,3-N-Acetylglucosaminyltransferase family protein
13491938	1.96	3.48	-2.87	0.234518	0.529692	AT4G31260	hypothetical protein
13364865	1.96	3.56	-3.04	0.108105	0.439915	PAI1	phosphoribosylanthranilate isomerase
13444066	1.96	3.59	-3.1	0.345786	0.58045	AT3G03341	hypothetical protein
13537872	1.96	3.63	-3.19	0.336645	0.576994	AT5G50423	defensin-like protein 222
13435633	1.96	5.2	-9.43	0.033373	0.354018	FAMT	farnesoic acid carboxyl-O-methyltransferase
13376627	1.95	1.66	1.22	0.37132	0.591914	AT1G47470	hypothetical protein
13488461	1.95	1.7	1.19	0.205257	0.512076	AT4G23271	hypothetical protein
13460449	1.95	1.71	1.18	0.219806	0.521702	AT3G55570	hypothetical protein
13407970	1.95	1.78	1.13	0.0135	0.308902	AT2G05294	hypothetical protein
13442870	1.95	1.78	1.12	0.644387	0.763146	AT3G63230	hypothetical protein
13377860	1.95	1.82	1.09	0.510891	0.6726	AT1G50340	plant invertase/pectin methylesterase inhibitor domain-containing protein
13413934	1.95	1.85	1.07	0.689893	0.795034	AT2G27780	transcription factor IIS-like protein
13545429	1.95	1.9	1.04	0.9258	0.955243		
13545437	1.95	1.9	1.04	0.9258	0.955243		
13450801	1.95	1.9	1.03	0.879952	0.926533		
13471848	1.95	1.91	1.03	0.770038	0.850037	AT4G21780	hypothetical protein
13337782	1.95	1.99	-1.02	0.894715	0.935259	AT1G08985	B3 domain-containing protein
13415784	1.95	1.97	-1.02	0.887799	0.931296	AT2G32130	hypothetical protein
13432745	1.95	1.98	-1.02	0.925012	0.95481	AT3G24508	putative defensin-like protein 257
13365722	1.95	2.01	-1.04	0.711017	0.809875	AT1G09625	hypothetical protein
13479903	1.95	2.02	-1.05	0.770608	0.850502	AT4G00124	hypothetical protein
13443384	1.95	2.05	-1.07	0.189635	0.503348	AT3G01620	beta-1,4-mannosyl-glycoprotein
13408583	1.95	2.08	-1.09	0.490984	0.659049	LCR50	putative defensin-like protein 111
13363432	1.95	2.11	-1.12	0.232121	0.528375	AT1G04890	hypothetical protein

13407158	1.95	2.12	-1.12	0.297533	0.56231	PP2-B7	F-box protein PP2-B7
13353826	1.95	2.15	-1.15	0.352504	0.583148	RALFL6	protein RALF-like 6
13536378	1.95	2.15	-1.15	0.521812	0.68021	AT5G46940	plant invertase/pectin methylesterase inhibitor domain-containing protein
13350797	1.95	2.18	-1.17	0.430205	0.623122	AT1G51410	Rossmann-fold NAD(P)-binding domain-containing protein
13535574	1.95	2.2	-1.18	0.702298	0.803916	AT5G44840	glycoside hydrolase family 28 protein / polygalacturonase (pectinase) family protein
13502548	1.95	2.23	-1.22	0.441642	0.630384	AT5G17080	cathepsin-related protein
13446739	1.95	2.25	-1.23	0.008045	0.290453	AT3G09110	hypothetical protein
13391135	1.95	2.27	-1.24	0.019421	0.321499	AT2G03180	hypothetical protein
13536023	1.95	2.29	-1.27	0.015098	0.313401	AT5G46013	hypothetical protein
13452506	1.95	2.3	-1.28	0.149109	0.471967	CWLP	cell wall-plasma membrane linker protein
13348360	1.95	2.33	-1.3	0.486969	0.656341	AT1G36940	hypothetical protein
13397158	1.95	2.34	-1.31	0.036511	0.359373	AT2G25780	hypothetical protein
13437622	1.95	2.35	-1.32	0.058325	0.393329	AT3G50090	putative small RNA degrading nuclease 4
13469467	1.95	2.36	-1.32	0.299322	0.562613	AT4G16165	carbohydrate-binding X8 domain-containing protein
13507138	1.95	2.37	-1.33	0.115064	0.446247	AT5G34881	hypothetical protein
13392558	1.95	2.39	-1.36	0.491764	0.659576	AT2G11651	hypothetical protein
13355868	1.95	2.4	-1.37	0.557907	0.704524	AT1G66640	RNI-like protein
13408124	1.95	2.5	-1.46	0.128435	0.458597	AT2G06500	hAT dimerisation domain-containing protein
13352975	1.95	2.51	-1.47	0.502582	0.66687	AT1G56553	defensin-like protein 199
13353065	1.95	2.53	-1.5	0.067764	0.405735	AT1G57565	SWI-SNF-related chromatin binding protein
13479603	1.95	2.54	-1.5	0.109734	0.440987	CYP96A9	cytochrome P450, family 96, subfamily A, polypeptide 9
13442441	1.95	2.65	-1.62	0.328895	0.574656	AT3G61840	hypothetical protein
13438723	1.95	2.71	-1.69	0.301585	0.563858	AT3G52980	RNA recognition motif (RRM)-containing protein
13517584	1.95	2.78	-1.78	0.309387	0.5668	AT5G60610	FBD-associated F-box protein
13391416	1.95	2.83	-1.84	0.097516	0.433275	AT2G03980	GDSL esterase/lipase
13466599	1.95	2.84	-1.84	0.276842	0.551433	AT4G09120	putative RING-H2 finger protein ATL36
13359876	1.95	2.99	-2.06	0.416433	0.615562	AT1G76610	hypothetical protein
13340440	1.95	3.08	-2.19	0.349052	0.581167	AT1G15600	hypothetical protein
13399875	1.95	3.12	-2.25	0.122856	0.452993	AT2G32470; ARASP	F-box associated ubiquitination effector family protein; serine protease
13480988	1.95	3.23	-2.43	0.399161	0.605136	AT4G02541	hypothetical protein
13481800	1.95	3.43	-2.78	0.213163	0.518061	AT4G04953	hypothetical protein
13482427	1.95	3.75	-3.5	0.346081	0.58045	AT4G09090	carbohydrate-binding X8 domain-containing protein
13466239	1.95	4.48	-5.76	0.279839	0.554037	AT4G08176	hypothetical protein
13481534	1.94	1.66	1.21	0.560527	0.706359	AT4G03827	hypothetical protein
13393520	1.94	1.73	1.16	0.330418	0.575605	AT2G16960	ARM repeat-containing protein
13534841	1.94	1.75	1.14	0.214428	0.518884	AT5G43185	hypothetical protein
13401338	1.94	1.77	1.13	0.59883	0.731685	AT2G35970	late embryogenesis abundant hydroxyproline-rich glycoprotein
13534297	1.94	1.82	1.09	0.721355	0.81735		
13399532	1.94	1.86	1.06	0.779841	0.856788	LCR75	defensin-like protein 7
13420702	1.94	1.92	1.02	0.919433	0.951324	AT2G43255	hypothetical protein
13496376	1.94	1.93	1.01	0.9666	0.980458		

13541425	1.94	1.93	1.01	0.971757	0.983455	UGT76E2	UDP-glucosyl transferase 76E2
13416139	1.94	1.95	-1.01	0.866686	0.916956	RLP25	receptor like protein 25
13497138	1.94	1.96	-1.01	0.704374	0.805389	AT5G03710	hypothetical protein
13346419	1.94	1.98	-1.02	0.66549	0.777793	AT1G30660	nucleic acid binding protein
13359619	1.94	1.96	-1.02	0.854921	0.908916	EXL6	GDSL esterase/lipase EXL6
13531734	1.94	1.98	-1.02	0.918053	0.950406	AT5G28288	putative defensin-like protein 101
13394214	1.94	2	-1.04	0.792901	0.866044	AT2G18530	protein kinase-like protein
13537324	1.94	2.02	-1.06	0.763637	0.845223	AT5G49200	zinc finger CCCH domain-containing protein 62
13511638	1.94	2.03	-1.07	0.26935	0.547822	AT5G47330	palmitoyl protein thioesterase family protein
13348384	1.94	2.08	-1.1	0.25007	0.53747	AT1G37010	hypothetical protein
13351515	1.94	2.08	-1.1	0.469379	0.646536	SPL4	squamosa promoter binding protein-like 4
13346459	1.94	2.12	-1.13	0.566702	0.710763	AT1G30710	FAD-binding and BBE domain-containing protein
13393040	1.94	2.11	-1.13	0.66638	0.778515	AT2G14870	RNA recognition motif-containing protein
13396465	1.94	2.12	-1.14	0.403821	0.608295	AT2G23900	Pectin lyase-like protein
13462214	1.94	2.13	-1.14	0.542945	0.69434	AT3G59845	2-alkenal reductase
13347595	1.94	2.15	-1.15	0.416558	0.615562	AT1G33930	putative avirulence-responsive protein
13357140	1.94	2.15	-1.15	0.589281	0.726702	HO3	heme oxygenase 3
13400813	1.94	2.14	-1.15	0.637752	0.758872	AT2G34820	transcription factor bHLH53
13424906	1.94	2.15	-1.15	0.158859	0.481364	MUTE	transcription factor MUTE
13433137	1.94	2.22	-1.21	0.418396	0.616376	AT3G25577	hypothetical protein
13421265	1.94	2.23	-1.22	0.295973	0.561293	AT2G44578	RING/U-box domain-containing protein
13435288	1.94	2.25	-1.24	0.218536	0.520794	AT3G43950	protein kinase family protein
13466408	1.94	2.25	-1.24	0.286284	0.556958	PUM15	pumilio 15
13436215	1.94	2.27	-1.26	0.55219	0.701072	AT3G46750	hypothetical protein
13356112	1.94	2.28	-1.27	0.035037	0.355472	AT1G67390	putative F-box protein
13368145	1.94	2.29	-1.27	0.221361	0.522603	PCR1	cadmium resistance protein 1
13455347	1.94	2.28	-1.27	0.096983	0.433165	AT3G30730	hypothetical protein
13487090	1.94	2.29	-1.27	0.087663	0.423636	AT4G19910	Toll-Interleukin-Resistance domain-containing protein
13401770	1.94	2.29	-1.28	0.276758	0.551433	TRFL8	protein TRF-like 8
13466731	1.94	2.31	-1.29	0.589943	0.726928	AT4G09465	carbohydrate-binding X8 domain-containing protein
13342925	1.94	2.33	-1.31	0.033732	0.354018	AT1G21281	hypothetical protein
13438992	1.94	2.35	-1.33	0.467723	0.645349	AT3G53550	FBD-like domain family protein
13531035	1.94	2.39	-1.36	0.405222	0.609014	AT5G25870	hypothetical protein
13532494	1.94	2.43	-1.41	0.093922	0.430496	AT5G36100	hypothetical protein
13396960	1.94	2.46	-1.43	0.258465	0.541251	AT2G25360	RING/U-box domain-containing protein
13459197	1.94	2.47	-1.45	0.241325	0.533548		
13465633	1.94	2.48	-1.45	0.124634	0.453788	AT4G04404	C2H2 and C2HC zinc finger-containing protein
13474899	1.94	2.47	-1.45	0.399963	0.605797	AT4G28775	hypothetical protein
13354372	1.94	2.48	-1.46	0.333507	0.576298	AT1G62421	hypothetical protein
13340808	1.94	2.5	-1.47	0.216243	0.519792	CYP79F1	dihomomethionine N-hydroxylase
13463035	1.94	2.54	-1.51	0.563539	0.708388	AT3G61920	hypothetical protein
13491512	1.94	2.54	-1.51	0.167898	0.487067	NAP15	ABC transporter E family member 3
13376019	1.94	2.61	-1.59	0.21263	0.517763	MLO9	MLO-like protein 9
13532501	1.94	2.72	-1.71	0.075328	0.410503	CCB3	cofactor assembly, complex C (B6F)
13476556	1.94	2.75	-1.75	0.021862	0.325624	KT5	putative potassium channel AKT5

13516911	1.94	2.8	-1.81	0.293257	0.559559	COPT3	copper transporter 3
13485471	1.94	2.83	-1.84	0.39863	0.605002	AT4G16451	hypothetical protein
13526953	1.94	2.84	-1.86	0.458618	0.640177	AT5G16453	defensin-like protein 24
13514217	1.94	2.84	-1.87	0.148433	0.471967	AT5G52965	hypothetical protein
13415553	1.94	2.87	-1.91	0.441211	0.630118	AT2G31720	hypothetical protein
13518658	1.94	2.89	-1.92	0.417017	0.615746	AT5G63063	Plant thionin family protein
13442021	1.94	2.89	-1.94	0.404486	0.608688	AT3G61030	Calcium-dependent lipid-binding (CaLB domain) family protein
13378467	1.94	3.05	-2.15	0.148989	0.471967	AT1G51970	hypothetical protein
13494609	1.94	3.07	-2.19	0.151792	0.474016	PLP5	PATATIN-like protein 5
13375560	1.94	3.21	-2.42	0.424634	0.619947	AT1G34810; AT1G34815; AT1G34830; AT1G34795; AT1G34840; AT1G34850; AT1G34800; AT1G34805; AT1G34820; AT1G34825; AT1G34860; AT1G34930	Plant thionin family protein
13375562	1.94	3.21	-2.42	0.424634	0.619947	AT1G34810; AT1G34815; AT1G34830; AT1G34795; AT1G34840; AT1G34850; AT1G34800; AT1G34805; AT1G34820; AT1G34825; AT1G34860; AT1G34930	Plant thionin family protein
13385275	1.94	3.53	-3.02	0.106914	0.439124	SP1L2	protein SPIRAL1-like2
13411599	1.94	3.54	-3.02	0.217864	0.520626	AT2G22200	ethylene-responsive transcription factor ERF056
13489471	1.94	3.65	-3.27	0.189574	0.503305	CBF2	dehydration-responsive element-binding protein 1C
13415320	1.94	3.69	-3.38	0.273221	0.54985	AT2G31218	hypothetical protein
13483511	1.94	3.74	-3.48	0.40458	0.608722	AT4G12150	zinc finger (C3HC4-type RING finger) family protein
13355287	1.94	3.75	-3.5	0.289858	0.558085	AT1G64870	hypothetical protein
13468522	1.93	1.47	1.38	0.140207	0.466502		
13463887	1.93	1.52	1.33	0.09728	0.433165	AT4G00234	hypothetical protein
13545531	1.93	1.62	1.25	0.425505	0.620492		
13397772	1.93	1.7	1.17	0.335487	0.576654	AT2G27229	hypothetical protein
13479781	1.93	1.77	1.12	0.582819	0.722157	LCR45	defensin-like protein 75
13408885	1.93	1.77	1.11	0.19729	0.507663	PR1	pathogenesis-related protein 1

13472799	1.93	1.82	1.08	0.595916	0.730362	AT4G24170	ATP binding microtubule motor family protein
13407096	1.93	1.84	1.07	0.147891	0.471913	AT2G02103	hypothetical protein
13507529	1.93	1.82	1.07	0.72986	0.823072	AT5G36300	tetracopeptide epeat-containing protein-like protein
13434812	1.93	1.89	1.03	0.888997	0.932006	AT3G31900	ATP-dependent helicase family protein
13391365	1.93	1.92	1.01	0.820893	0.885485	TET13	tetraspanin13
13483788	1.93	1.94	-1.01	0.961954	0.977653	AT4G12930	hypothetical protein
13532632	1.93	1.94	-1.01	0.970292	0.98253	AT5G36520; AT5G36658; AT5G36657	ECA1 gametogenesis related family protein
13407815	1.93	2	-1.05	0.700884	0.803231	AT2G04622	hypothetical protein
13484971	1.93	2	-1.05	0.497188	0.663441	CSLB06	cellulose synthase-like protein B6
13378034	1.93	2.04	-1.07	0.760783	0.843342	AT1G50830	Aminotransferase-like, plant mobile domain family protein
13343249	1.93	2.05	-1.08	0.714093	0.812019	AT1G22067	hypothetical protein
13451641	1.93	2.04	-1.08	0.527231	0.684326	AT3G20180	putative copper transport protein
13383621	1.93	2.06	-1.09	0.263314	0.54432	DegP4	protease Do-like 4
13486407	1.93	2.1	-1.12	0.593044	0.728686	AT4G18080	hypothetical protein
13379023	1.93	2.1	-1.13	0.233185	0.529048	AT1G53325	F-box associated ubiquitination effector-like protein
13486767	1.93	2.13	-1.15	0.583524	0.722842	AT4G19050	NB-ARC domain-containing disease resistance protein
13465908	1.93	2.14	-1.16	0.032268	0.352847	AT4G05080	F-box/kelch-repeat protein
13344835	1.93	2.16	-1.17	0.383843	0.597749	AT1G26797	self-incompatibility protein S1-like protein
13380844	1.93	2.15	-1.17	0.309765	0.566973	AT1G58245	Plant thionin family protein
13396791	1.93	2.16	-1.17	0.137988	0.46568	AT2G24834	hypothetical protein
13449233	1.93	2.18	-1.19	0.464348	0.643588	AT3G14030	F-box associated ubiquitination effector family protein
13413905	1.93	2.2	-1.2	0.157066	0.479669	AT2G27700	putative translation initiation factor IF-2
13442845	1.93	2.2	-1.21	0.554049	0.702279	RTFL14	protein rotundifolia like 14
13506932	1.93	2.23	-1.23	0.088189	0.424413	AT5G28660	NHL domain-containing protein
13360563	1.93	2.26	-1.25	0.553347	0.701763	AT1G78170	hypothetical protein
13367986	1.93	2.27	-1.27	0.112508	0.443735	AT1G14688	hypothetical protein
13473066	1.93	2.3	-1.29	0.45535	0.638525	IPT4	adenylate isopentenyltransferase 4
13469677	1.93	2.31	-1.3	0.216882	0.520001	TPS03	(E)-beta-ocimene synthase
13350204	1.93	2.34	-1.32	0.02722	0.34139	AT1G49975	hypothetical protein
13402132	1.93	2.34	-1.32	0.418222	0.616376	AT2G37880	hypothetical protein
13459172	1.93	2.36	-1.34	0.035157	0.355472	AT3G52700	hypothetical protein
13355766	1.93	2.43	-1.42	0.494205	0.661014	AT1G66360	calcium-dependent lipid-binding domain
13385901	1.93	2.45	-1.43	0.068757	0.406403	AT1G70985	hydroxyproline-rich glycoprotein family protein
13375774	1.93	2.46	-1.44	0.068831	0.406403	AT1G35880	hypothetical protein
13505591	1.93	2.46	-1.44	0.282606	0.555512	AT5G25300	hypothetical protein
13342376	1.93	2.57	-1.56	0.023737	0.331326	AT1G19830	SAUR-like auxin-responsive protein
13380170	1.93	2.58	-1.58	0.439157	0.629244	AT1G56030	RING/U-box domain-containing protein
13417162	1.93	2.59	-1.59	0.224431	0.524988	AT2G35280	F-box protein
13341798	1.93	2.67	-1.67	0.162247	0.484284	TET11	tetraspanin11
13348839	1.93	2.71	-1.71	0.003603	0.253459	AT1G44830	ethylene-responsive transcription factor ERF014

13386901	1.93	2.71	-1.72	0.308798	0.566484	AT1G73510	hypothetical protein
13422225	1.93	2.72	-1.72	0.462942	0.643066	CYP709B1	cytochrome P450, family 709, subfamily B, polypeptide 1
13452573	1.93	2.74	-1.75	0.478262	0.651265	AT3G22275	hypothetical protein
13415017	1.93	2.76	-1.78	0.366364	0.590194	AT2G30615; AT2G30600	hypothetical protein; BTB/POZ domain-containing protein
13442132	1.93	3.01	-2.12	0.338675	0.577413	AT3G61220	(+)-neomenthol dehydrogenase
13392624	1.93	3.42	-2.81	0.443663	0.631675	AT2G12977	hypothetical protein
13455833	1.93	3.5	-2.97	0.393558	0.602295	AT3G43722	hypothetical protein
13498533	1.93	3.87	-3.84	0.313667	0.568024	FLA21	FASCICLIN-like arabinogalactan protein 21 precursor
13363859	1.93	4.15	-4.65	0.233544	0.529224	UGT75B1	indole-3-acetate beta-glucosyltransferase 1
13460558	1.93	5.2	-9.64	0.001036	0.240568	JRG21	jasmonate-regulated protein
13454062	1.92	1.46	1.37	0.151011	0.473698		
13354156	1.92	1.61	1.24	0.257379	0.541247		
13461100	1.92	1.7	1.16	0.684921	0.791538	BGL2	glucan endo-1,3-beta-D-glucosidase
13375642	1.92	1.74	1.14	0.323616	0.572669	MLP168	MLP-like protein 168
13413646	1.92	1.83	1.07	0.6852	0.791672	LCR9	putative defensin-like protein 146
13541954	1.92	1.86	1.04	0.890917	0.933026	AT5G61050	histone deacetylase-like protein
13350615	1.92	1.93	-1.01	0.968234	0.981419	AT1G51030	hypothetical protein
13355638	1.92	1.93	-1.01	0.88491	0.929733	AT1G65907	hypothetical protein
13356517	1.92	1.93	-1.01	0.959265	0.975928	AT1G68180	RING/U-box domain-containing protein
13441883	1.92	1.95	-1.02	0.750217	0.836296	AT3G60700	hypothetical protein
13466892	1.92	1.95	-1.02	0.952153	0.971478	AT4G09930	AIG1-like protein
13458495	1.92	2	-1.05	0.323088	0.572277	AT3G50925	putative defensin-like protein 168
13408586	1.92	2	-1.06	0.815749	0.8822	AT2G12475	defensin-like protein 112
13507158	1.92	2	-1.06	0.585147	0.723881	AT5G35090	hypothetical protein
13370628	1.92	2.02	-1.07	0.51594	0.675946	AT1G20800	F-box family protein
13482365	1.92	2.14	-1.16	0.349139	0.581167	AT4G08870	putative arginase
13534583	1.92	2.15	-1.17	0.315174	0.568201	AT5G42567	hypothetical protein
13399680	1.92	2.16	-1.18	0.243513	0.534629	PTAC18	plastid transcriptionally active 18
13482731	1.92	2.17	-1.18	0.424857	0.620177	AT4G10240	B-box type zinc finger-containing protein
13430623	1.92	2.19	-1.2	0.129412	0.459395	AT3G19560	F-box protein
13531054	1.92	2.21	-1.22	0.572774	0.714898	AT5G25950	hypothetical protein
13408437	1.92	2.25	-1.26	0.2609	0.542969	AT2G09970	hypothetical protein
13375758	1.92	2.37	-1.36	0.144847	0.470007	AT1G35820	hypothetical protein
13370131	1.92	2.45	-1.44	0.016546	0.316275	CLH1	chlorophyllase 1
13533533	1.92	2.45	-1.44	0.102616	0.435908	AT5G39430	hypothetical protein
13444398	1.92	2.46	-1.45	0.49996	0.665009	AT3G04150	putative germin-like protein subfamily 1 member 2
13381771	1.92	2.49	-1.49	0.411022	0.612301	AT1G61097	hypothetical protein
13401638	1.92	2.53	-1.52	0.346631	0.58045	AT2G36695	hypothetical protein
13508504	1.92	2.54	-1.54	0.243937	0.534763	PRE1	basic helix-loop-helix (bHLH) DNA-binding family protein
13454840	1.92	2.62	-1.62	0.371485	0.591914	AT3G28490	Oxoglutarate/iron-dependent oxygenase
13378498	1.92	2.78	-1.81	0.003305	0.253459	MBP1	myrosinase-binding protein 1
13430878	1.92	2.88	-1.94	0.365442	0.589744	CYP705A20	cytochrome P450 705A20
13464447	1.92	3.06	-2.21	0.320648	0.570934	AT4G01535	hypothetical protein
13483610	1.92	3.19	-2.42	0.244949	0.535223	AT4G12450	hypothetical protein

13438759	1.92	3.22	-2.45	0.343442	0.579057	AT3G53050	D-galactoside/L-rhamnose binding SUEL lectin protein
13373473	1.92	3.74	-3.54	0.413005	0.613625	AT1G28700	nucleotide-diphospho-sugar transferase domain-containing protein
13423918	1.91	1.6	1.24	0.109072	0.440715	AT3G03828	hypothetical protein
13476738	1.91	1.61	1.23	0.032353	0.353134	SCRL24	putative defensin-like protein 230
13453848	1.91	1.64	1.21	0.033324	0.354018	CYP71B24	cytochrome P450 71B24
13354584	1.91	1.77	1.1	0.681078	0.788594	AT1G63055	hypothetical protein
13455259	1.91	1.8	1.08	0.503814	0.667959	AT3G29790	hypothetical protein
13469390	1.91	1.79	1.08	0.254238	0.539615	AT4G16095	disease resistance-related protein
13509960	1.91	1.84	1.05	0.736345	0.827448	AT5G43175	transcription factor bHLH139
13446302	1.91	1.85	1.04	0.80987	0.878168	AT3G07820	polygalacturonase-like protein
13454052	1.91	1.85	1.04	0.926998	0.955962		
13466169	1.91	1.89	1.01	0.86154	0.91388	AT4G07670	protease-associated (PA) domain-containing protein
13369616	1.91	1.95	-1.03	0.908431	0.944338	AT1G18265	hypothetical protein
13396446	1.91	1.95	-1.03	0.718267	0.814843	AT2G23834	hypothetical protein
13365026	1.91	1.96	-1.04	0.47363	0.648287	NRT2.2	nitrate transporter 2.2
13375403	1.91	1.96	-1.04	0.585368	0.723997	ARF13	auxin response factor 13
13394916	1.91	1.98	-1.04	0.825988	0.889202	LCR60	defensin-like protein 172
13344054	1.91	2.04	-1.1	0.228239	0.526027	AT1G24148	hypothetical protein
13406035	1.91	2.08	-1.13	0.161896	0.483588	IAA20	auxin-responsive protein IAA20
13484196	1.91	2.08	-1.13	0.153236	0.476237	RLP47	receptor like protein 47
13407765	1.91	2.1	-1.14	0.087627	0.423636	AT2G04395	OB-fold nucleic acid binding domain-containing protein
13354368	1.91	2.12	-1.16	0.288333	0.557599	AT1G62410	MIF4G domain-containing protein
13366618	1.91	2.15	-1.18	0.091574	0.428831	AT1G11230	hypothetical protein
13432487	1.91	2.17	-1.2	0.050607	0.380985	SCRL13	putative defensin-like protein 252
13349088	1.91	2.18	-1.21	0.264796	0.545611	AT1G46984	F-box protein
13483785	1.91	2.19	-1.21	0.239767	0.532669		
13516223	1.91	2.2	-1.22	0.005545	0.277927	ZFP2	zinc finger protein 2
13527659	1.91	2.19	-1.22	0.470098	0.646758	VDD	VERDANDI protein
13468952	1.91	2.23	-1.25	0.056588	0.389748	AT4G15236	ABC transporter G family member 43
13372149	1.91	2.27	-1.28	0.089187	0.426152	AT1G24577	hypothetical protein
13446308	1.91	2.32	-1.33	0.346475	0.58045	AT3G07830	polygalacturonase-like protein
13501809	1.91	2.34	-1.34	0.466808	0.645035	DRM1	DNA (cytosine-5)-methyltransferase DRM1
13406789	1.91	2.39	-1.39	0.507914	0.671028	AT2G01370	DNA-binding storekeeper protein-related transcriptional regulator
13434334	1.91	2.4	-1.41	0.130161	0.460098	AT3G28610	ATP binding / ATPase/ nucleoside-triphosphatase/ nucleotide binding protein
13497783	1.91	2.4	-1.41	0.335347	0.576654	AT5G05220	hypothetical protein
13394441	1.91	2.44	-1.44	0.057707	0.39275	AT2G18970; AT2G18969	hypothetical protein
13475920	1.91	2.56	-1.57	0.473285	0.648252	AT4G31196	oxidoreductase
13522355	1.91	2.56	-1.57	0.160443	0.482937	AT5G05650	hypothetical protein
13365689	1.91	2.61	-1.63	0.199233	0.508651	AT1G09550	Pectin lyase-like protein
13341484	1.91	2.68	-1.7	0.003609	0.253459	AT1G17615	Disease resistance protein (TIR-NBS class)

13472080	1.91	2.7	-1.73	0.542867	0.69434	AT4G22517; AT4G22510	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein; hypothetical protein
13454164	1.91	2.74	-1.78	0.27953	0.55381	AT3G26960	pollen Ole e 1 allergen and extensin family protein
13467959	1.91	2.76	-1.8	0.266943	0.546486	AT4G12890	Gamma interferon responsive lysosomal thiol (GILT) reductase family protein
13413375	1.91	2.89	-1.98	0.033892	0.354072	AT2G26750	alpha/beta-dydrolases-like protein
13381044	1.91	2.91	-2	0.367643	0.590773	AT1G59630	F-box associated ubiquitination effector family protein
13538982	1.91	2.97	-2.08	0.38727	0.598693	SPCH	transcription factor SPEECHLESS
13420608	1.91	2.98	-2.1	0.282427	0.555492	AT2G42940; AT2G42920	AT-hook DNA-binding-like protein; pentatricopeptide repeat-containing protein
13517330	1.91	2.98	-2.1	0.217975	0.520652	PUM18	pumilio 18
13494962	1.91	3.17	-2.39	0.224219	0.524972	NDH-M	NAD(P)H-quinone oxidoreductase subunit M
13380596	1.91	3.19	-2.42	0.207817	0.513608	CYP96A15	cytochrome P450, family 96, subfamily A, polypeptide 15
13453029	1.91	3.37	-2.75	0.370996	0.591914	AT3G23950	F-box protein
13532596	1.91	3.46	-2.93	0.446527	0.63375	AT5G36330	ECA1 gametogenesis related family protein
13392096	1.91	3.7	-3.47	0.179209	0.494721	AT2G06904	nucleic acid / zinc ion binding protein
13369981	1.91	4.06	-4.45	0.002608	0.253459	AT1G19260	TTF-type zinc finger protein with HAT dimerization domain
13378339	1.91	4.07	-4.48	0.181732	0.496969	AT1G51820	putative LRR receptor-like serine/threonine-protein kinase
13408560	1.91	4.46	-5.85	0.392272	0.601551	AT2G12290	hypothetical protein
13460997	1.91	5.32	-10.63	0.003421	0.253459	AT3G57020	strictosidine synthase family protein
13501994	1.9	1.54	1.29	0.081509	0.416774		
13353164	1.9	1.59	1.23	0.178039	0.494066	AT1G57906	hypothetical protein
13452798	1.9	1.62	1.21	0.051466	0.382129	LCR42	putative defensin-like protein 187
13545533	1.9	1.62	1.21	0.401507	0.606833		
13530851	1.9	1.69	1.15	0.433763	0.625509	AT5G25422	hypothetical protein
13342580	1.9	1.73	1.13	0.265606	0.546155	TIM17-1	translocase inner membrane subunit 17-1
13352630	1.9	1.72	1.13	0.312358	0.567545		
13493579	1.9	1.8	1.07	0.649695	0.766985	AT4G34780	SAUR-like auxin-responsive protein
13464297	1.9	1.83	1.05	0.299321	0.562613	AT4G01245	hypothetical protein
13464295	1.9	1.84	1.04	0.919439	0.951324	AT4G01170	hypothetical protein
13384105	1.9	1.88	1.01	0.78239	0.858401	AT1G66855	carbohydrate-binding X8 domain-containing protein
13485920	1.9	1.88	1.01	0.877149	0.924399	RABB1a	RAB GTPase homolog B1A
13529023	1.9	1.89	1.01	0.98027	0.988256	AT5G21005	hypothetical protein
13376530	1.9	1.93	-1.02	0.926336	0.955658	AT1G46336	hypothetical protein
13494373	1.9	1.96	-1.04	0.715999	0.813483	AT4G36590	MADS-box transcription factor family protein
13470154	1.9	1.96	-1.05	0.227711	0.525782	AT4G17930	hypothetical protein
13357218	1.9	1.99	-1.06	0.477277	0.650631	AT1G70020	hypothetical protein
13449591	1.9	1.99	-1.06	0.649864	0.767152	AT3G14900	hypothetical protein
13540049	1.9	2.03	-1.09	0.718719	0.815257	AT5G56400	FBD, F-box, Skp2-like and leucine rich repeat domain-containing protein
13350544	1.9	2.05	-1.11	0.207713	0.513587	AT1G50880	putative F-box protein

13512065	1.9	2.07	-1.13	0.738165	0.828222	AT5G48200; AT5G48205	hypothetical protein; zinc ion binding protein
13352747	1.9	2.1	-1.15	0.532056	0.687546	AT1G55928	Coiled-coil domain-containing protein 55 (DUF2040)
13517101	1.9	2.09	-1.15	0.305873	0.565106	AT5G59616	Interleukin-1 receptor-associated kinase 4 protein
13354319	1.9	2.12	-1.16	0.039334	0.364658	AT1G62210	hypothetical protein
13460315	1.9	2.11	-1.16	0.549451	0.699117	WBC19	ABC transporter G family member 19
13384085	1.9	2.15	-1.19	0.285633	0.55659		
13355474	1.9	2.21	-1.24	0.333513	0.576298	PP2-A5	protein PHLOEM protein 2-LIKE A5
13377940	1.9	2.23	-1.26	0.103113	0.435908	AT1G50530	hypothetical protein
13344415	1.9	2.26	-1.28	0.171014	0.489004	AT1G25240	putative clathrin assembly protein
13466380	1.9	2.27	-1.3	0.040949	0.366381	AT4G08530	non-specific lipid-transfer protein 15
13530915	1.9	2.28	-1.3	0.404441	0.608652	AT5G25600	hypothetical protein
13531685	1.9	2.29	-1.31	0.463689	0.643345	AT5G28052	hypothetical protein
13499582	1.9	2.31	-1.33	0.023635	0.33116	AT5G09430	alpha/beta-hydrolase domain-containing protein
13373706	1.9	2.31	-1.33	0.20827	0.513897	AT1G29450	SAUR-like auxin-responsive protein
13359572	1.9	2.33	-1.34	0.194217	0.505856	AT1G75870	hypothetical protein
13446750	1.9	2.33	-1.34	0.114486	0.445522	AT3G09140	hypothetical protein
13532999	1.9	2.37	-1.39	0.173051	0.490366	AT5G37550	hypothetical protein
13514122	1.9	2.43	-1.44	0.385497	0.598186	AT5G52740	copper transport family protein
13346118	1.9	2.62	-1.65	0.247222	0.535874	JAZ8	protein TIFY 5A
13400355	1.9	2.78	-1.84	0.324851	0.573118	MLO5	MLO-like protein 5
13470753	1.9	2.94	-2.06	0.341613	0.578744	AT4G19260; AT4G19340; AT4G19330	kelch repeat-containing protein; SCD6-related protein; putative F-box/kelch-repeat protein
13434831	1.9	2.96	-2.08	0.012392	0.301412	AT3G32052	hypothetical protein
13532011	1.9	3.01	-2.16	0.400696	0.606274	AT5G32597	hypothetical protein
13338557	1.9	3.31	-2.64	0.392674	0.601651	AT1G10747	maternally expressed family protein
13465176	1.9	4.09	-4.58	0.214292	0.518724	AT4G02950	Ubiquitin family protein
13395183	1.89	1.61	1.21	0.468222	0.645626	AT2G20805	hypothetical protein
13346593	1.89	1.67	1.16	0.263274	0.544276	AT1G31080	F-box domain-containing protein
13405134	1.89	1.82	1.05	0.798617	0.870457	AT2G44925	hypothetical protein
13454081	1.89	1.9	-1.01	0.979304	0.987666	AT3G26880	self-incompatibility S1 family protein
13507307	1.89	1.9	-1.01	0.802446	0.872662	AT5G35510	hypothetical protein
13538574	1.89	1.91	-1.02	0.880604	0.926961	AT5G52150	RING/U-box domain-containing protein
13364686	1.89	1.94	-1.03	0.518151	0.67752	AT1G07473	hypothetical protein
13355682	1.89	1.97	-1.06	0.630773	0.754223	AT1G66045	hypothetical protein
13461501	1.89	1.97	-1.06	0.805373	0.875019	AT3G58240	TRAF-like family protein
13377575	1.89	1.99	-1.07	0.408722	0.610785	AT1G49800	hypothetical protein
13426493	1.89	1.98	-1.07	0.56615	0.710527	AT3G10460	self-incompatibility S1 family protein
13365004	1.89	2	-1.08	0.517043	0.676801	ACA5	carbonic anhydrase
13454998	1.89	2	-1.08	0.339487	0.577996	MYB110	myb proto-oncogene protein
13467283	1.89	2.01	-1.09	0.666826	0.778803	AT4G11100	hypothetical protein
13411295	1.89	2.03	-1.1	0.734606	0.82624	AT2G21260	aldose-6-phosphate reductase (NADPH2)
13484045	1.89	2.03	-1.1	0.655567	0.77159	AT4G13500	hypothetical protein
13457762	1.89	2.03	-1.11	0.089761	0.426826	AT3G49307	hypothetical protein
13338644	1.89	2.05	-1.12	0.068431	0.406403	AT1G11110	LisH and RanBPM domain-containing protein

13355461	1.89	2.06	-1.12	0.175178	0.492147	AT1G65342	hypothetical protein
13509460	1.89	2.07	-1.14	0.053419	0.383838	AT5G42170	GDSL esterase/lipase
13362252	1.89	2.09	-1.15	0.353634	0.583778	AT1G02210	No Apical Meristem domain-containing protein
13393077	1.89	2.13	-1.19	0.175445	0.492269	RLP19	receptor like protein 19
13434051	1.89	2.19	-1.23	0.169369	0.487862	ARI3	putative E3 ubiquitin-protein ligase ARI3
13415060	1.89	2.23	-1.26	0.283002	0.555666	AT2G30670	tropine dehydrogenase
13401933	1.89	2.25	-1.28	0.00328	0.253459	AT2G37390	Chloroplast-targeted copper chaperone protein
13439010	1.89	2.35	-1.38	0.401512	0.606833	AT3G53611	hypothetical protein
13355701	1.89	2.44	-1.46	0.139576	0.466238	AT1G66120	AMP-dependent synthetase and ligase-like protein
13427892	1.89	2.6	-1.64	0.238937	0.532292	AT3G13898	hypothetical protein
13508660	1.89	2.62	-1.66	0.057855	0.39275	MYB24	myb domain protein 24
13509559	1.89	2.63	-1.67	0.237211	0.531281	BGLU12	beta glucosidase 12
13348310	1.89	2.64	-1.69	0.450953	0.635828		
13401619	1.89	2.64	-1.69	0.450953	0.635828		
13426299	1.89	2.64	-1.69	0.450953	0.635828		
13349668	1.89	2.77	-1.85	0.20304	0.510604	AT1G48590	calcium-dependent lipid-binding domain
13443316	1.89	2.98	-2.13	0.273015	0.549828	CA1	carbonic anhydrase 1
13498034	1.89	3.22	-2.53	0.455414	0.63854	AT5G05598	hypothetical protein
13393165	1.89	3.47	-2.98	0.319367	0.570208	AT2G15450	glycoside hydrolase family 28 protein / polygalacturonase (pectinase) family protein
13408683	1.89	4.6	-6.51	0.347294	0.58045	AT2G13463	hypothetical protein
13375942	1.88	1.48	1.31	0.156156	0.478985	AT1G38630	hypothetical protein
13372760	1.88	1.65	1.18	0.449417	0.635232	AT1G26815	FBD domain family protein
13530726	1.88	1.64	1.18	0.394286	0.602714	AT5G25030	hypothetical protein
13496661	1.88	1.79	1.07	0.535503	0.689448	AT5G02660	hypothetical protein
13434046	1.88	1.82	1.05	0.743831	0.831869	LHCB2.3	photosystem II light harvesting complex protein 2.3
13535342	1.88	1.83	1.03	0.555227	0.703052	AT5G44310	late embryogenesis abundant domain-containing protein
13376178	1.88	1.9	-1.01	0.945282	0.967175	AT1G43810	hypothetical protein
13468189	1.88	1.95	-1.05	0.538095	0.691177	HTA4	histone H2A
13437858	1.88	2	-1.09	0.075423	0.410503	AT3G50940	cytochrome BC1 synthesis-like protein
13454635	1.88	2.03	-1.1	0.168496	0.487177	AT3G27910	kelch repeat-containing protein
13522266	1.88	2.03	-1.1	0.197222	0.507663	AT5G05280; CPuORF64	RING-H2 finger protein ATL73; conserved peptide upstream open reading frame 64
13345894	1.88	2.05	-1.12	0.483001	0.653736	AT1G29580	hypothetical protein
13465445	1.88	2.04	-1.12	0.42663	0.621147	AT4G03930	pectinesterase 42
13452834	1.88	2.09	-1.16	0.188367	0.502669	AT3G23360	putative protein phosphatase 2C-like protein 44
13370406	1.88	2.1	-1.17	0.076754	0.411511	AT1G20360	F-box protein
13532013	1.88	2.1	-1.17	0.333119	0.576298	AT5G32619	defensin-like protein 82
13394577	1.88	2.2	-1.24	0.388058	0.59911	AT2G19420	hypothetical protein
13468376	1.88	2.24	-1.28	0.039468	0.364851	DMT2	DNA methyltransferase 2
13384866	1.88	2.24	-1.28	0.330826	0.575883	AT1G68280	thioesterase-like protein
13453208	1.88	2.24	-1.28	0.357552	0.585132	SMAP2	small acidic protein 2
13341935	1.88	2.3	-1.34	0.189279	0.503111	NDF6	NDH dependent flow 6 protein
13523045	1.88	2.3	-1.34	0.449493	0.635279	AT5G07225	RING/U-box domain-containing protein

13529705	1.88	2.36	-1.4	0.217498	0.520618	AT5G22970	hypothetical protein
13474192	1.88	2.38	-1.41	0.347642	0.580585	AT4G27360	dynein light chain type 1-like protein
13461147	1.88	2.43	-1.46	0.098935	0.433702	AT3G57370	cyclin family protein
13345847	1.88	2.52	-1.56	0.399858	0.605723	AT1G29500	SAUR-like auxin-responsive protein
13353711	1.88	2.72	-1.79	0.362334	0.588038	BGLU4	beta glucosidase 4
13514125	1.88	2.74	-1.82	0.021528	0.325381	AT5G52750	heavy metal transport/detoxification domain-containing protein
13441975	1.88	2.85	-1.95	0.335266	0.576654	AT3G60950	C2 calcium/lipid-binding endonuclease/exonuclease/phosphatase
13489422	1.88	2.95	-2.11	0.2151	0.519459	AT4G25433	peptidoglycan-binding LysM domain-containing protein
13505658	1.88	2.97	-2.12	0.071658	0.408234	AT5G25430	putative boron transporter 6
13434872	1.88	3.01	-2.19	0.332821	0.576298	AT3G32330	DNA repair protein-like protein
13353581	1.88	3.07	-2.27	0.418635	0.616479	AGL50	protein agamous-like 50
13433346	1.88	3.09	-2.31	0.335616	0.576654	AT3G26010	F-box protein
13392438	1.88	3.22	-2.54	0.327984	0.574416	AT2G08986	hypothetical protein
13529711	1.88	3.22	-2.54	0.236824	0.530992	AT5G22990	C2H2-like zinc finger protein
13541806	1.88	4.05	-4.49	0.441194	0.630118	AT5G60805	putative defensin-like protein 224
13408268	1.88	4.15	-4.8	0.297959	0.562458	AT2G07363	hypothetical protein
13426364	1.88	4.18	-4.94	0.285359	0.556372	KCS14	3-ketoacyl-CoA synthase 14
13466736	1.88	4.35	-5.53	0.437697	0.628204	AT4G09467; AT4G09464; AT4G09466; AT4G09465; AT4G09462	carbohydrate-binding X8 domain-containing protein
13491037	1.87	1.63	1.18	0.29641	0.561636	LCR23	putative defensin-like protein 158
13373702	1.87	1.65	1.17	0.151576	0.47391	AT1G29440	SAUR-like auxin-responsive protein
13409010	1.87	1.69	1.13	0.684029	0.790858	AT2G15325	non-specific lipid-transfer protein 9
13473184	1.87	1.7	1.13	0.05785	0.39275	AT4G24974	self-incompatibility S1 family protein
13373710	1.87	1.84	1.02	0.695232	0.79906	AT1G29460	SAUR-like auxin-responsive protein
13488226	1.87	1.86	1.01	0.792667	0.865932	AT4G22870	leucoanthocyanidin dioxygenase
13344049	1.87	1.91	-1.03	0.922386	0.953131	AT1G24147	hypothetical protein
13468817	1.87	1.91	-1.03	0.446682	0.633876	AT4G15096	hypothetical protein
13407610	1.87	1.92	-1.04	0.809117	0.877718	AT2G03930	hypothetical protein
13338442	1.87	1.93	-1.05	0.376228	0.593207	AT1G10588	Gibberellin-regulated protein
13381300	1.87	1.94	-1.05	0.732649	0.825247	AT1G60300	No Apical Meristem domain-containing protein
13465997	1.87	1.95	-1.06	0.686839	0.79276	AT4G05340	P-loop containing nucleoside triphosphate hydrolase-like protein
13385243	1.87	1.97	-1.07	0.401881	0.606941	AT1G69190	2-amino-4-hydroxy-6-hydroxymethyldihydropteridine diphosphokinase/dihydropteroate synthase
13395771	1.87	1.96	-1.07	0.192527	0.505564	LCR35	putative defensin-like protein 154
13507324	1.87	1.96	-1.07	0.720633	0.816824	AT5G35540	hypothetical protein
13488501	1.87	1.99	-1.08	0.407066	0.609873	AT4G23360	hypothetical protein
13384600	1.87	2	-1.1	0.13295	0.462568	AT1G67540	hypothetical protein
13408701	1.87	2	-1.1	0.123143	0.453558	AT2G13623	hypothetical protein
13430404	1.87	2.03	-1.11	0.209693	0.514898	AT3G19085	hypothetical protein
13472065	1.87	2.03	-1.12	0.358547	0.585867	AT4G22400	hypothetical protein
13480538	1.87	2.04	-1.12	0.718341	0.814872	CBL5	calcineurin B-like protein 5

13398972	1.87	2.05	-1.13	0.391527	0.600828	AT2G30560	glycine-rich protein
13412700	1.87	2.05	-1.13	0.471656	0.64746	MYB100	myb domain protein 100
13466637	1.87	2.05	-1.13	0.201966	0.510189	AT4G09190	putative F-box protein
13374386	1.87	2.06	-1.14	0.042242	0.368598	AT1G31163	F-box associated ubiquitination effector family protein
13424191	1.87	2.06	-1.14	0.660365	0.775076	AT3G04545	defensin-like protein 45
13421054	1.87	2.07	-1.15	0.247315	0.535937	AT2G43960	SWAP (Suppressor-of-White-APricot)/surp domain-containing protein
13462262	1.87	2.07	-1.15	0.669819	0.780955	AT3G59930	defensin-like protein 206
13381745	1.87	2.1	-1.17	0.373774	0.592616	LCR66	defensin-like protein 5
13418954	1.87	2.19	-1.24	0.208191	0.51379	AT2G39320	Cysteine proteinase-like protein
13400046	1.87	2.3	-1.35	0.399711	0.605583	AT2G32788	hypothetical protein
13399885	1.87	2.32	-1.36	0.381521	0.596522	CSLB03	cellulose synthase-like protein B3
13414595	1.87	2.32	-1.36	0.125096	0.454106	AT2G29605	hypothetical protein
13435081	1.87	2.36	-1.41	0.052845	0.383093	AT3G43260	hypothetical protein
13353629	1.87	2.37	-1.42	0.213232	0.518061	AT1G59860	HSP20-like chaperone
13409331	1.87	2.38	-1.42	0.373596	0.592616	AT2G16505	maternally expressed family protein
13516302	1.87	2.4	-1.44	0.438373	0.62848		
13514009	1.87	2.45	-1.5	0.354373	0.5843	AT5G52500	hypothetical protein
13409899	1.87	2.5	-1.55	0.171616	0.489355	WUS	protein WUSCHEL
13408014	1.87	2.52	-1.57	0.328162	0.574416	AT2G05642	Nucleic acid-binding, OB-fold-like protein
13433466	1.87	2.56	-1.61	0.232777	0.528669	CYP71B22	cytochrome P450 71B22
13436047	1.87	2.57	-1.62	0.244317	0.534851	AT3G46340	leucine-rich repeat protein kinase-like protein
13481868	1.87	2.59	-1.65	0.371408	0.591914	ENT6	equilibrative nucleoside transporter 6
13533238	1.87	2.67	-1.74	0.086664	0.422315	AT5G38370	hypothetical protein
13398601	1.87	2.71	-1.8	0.422568	0.618732	AT2G29370	tropine dehydrogenase
13478890	1.87	3.08	-2.32	0.115577	0.446371	AT4G37710	VQ motif-containing protein
13439974	1.87	3.12	-2.37	0.485611	0.655252		
13455902	1.87	3.85	-3.94	0.29787	0.562453	AT3G44070	Glycosyl hydrolase family 35 protein
13466728	1.87	4.15	-4.86	0.442486	0.630959	AT4G09464; AT4G09467; AT4G09466; AT4G09465; AT4G09462	carbohydrate-binding X8 domain-containing protein
13532133	1.86	1.55	1.24	0.512024	0.673532	AT5G35120	MADS-box family protein
13338974	1.86	1.57	1.22	0.312351	0.567545	AT1G11765	self-incompatibility protein S1 family
13545427	1.86	1.59	1.21	0.414979	0.614247		
13439923	1.86	1.66	1.15	0.214058	0.518555		
13346560	1.86	1.71	1.11	0.491922	0.659692	AT1G30974	Plant thionin family protein
13533310	1.86	1.76	1.07	0.739773	0.829115	AT5G38570	F-box domain-containing protein
13391867	1.86	1.8	1.05	0.302468	0.563952	AT2G05530	glycine-rich protein
13384946	1.86	1.83	1.03	0.827996	0.890676	AT1G68520	zinc finger protein CONSTANS-LIKE 6
13497211	1.86	1.83	1.02	0.703734	0.804883	AT5G03920	hypothetical protein
13531431	1.86	1.85	1.01	0.943818	0.966472	AT5G27238	self-incompatibility S1 family protein
13359707	1.86	1.88	-1.01	0.356176	0.584705		
13470234	1.86	1.94	-1.06	0.76985	0.849927	AT4G18180	glycoside hydrolase family 28 protein / polygalacturonase (pectinase) family protein
13381305	1.86	1.96	-1.07	0.529753	0.686304	NAC024	NAC domain containing protein 24
13462739	1.86	1.98	-1.09	0.601223	0.733158	LCR52	putative defensin-like protein 118

13367338	1.86	2	-1.1	0.618358	0.74554	CYP86C4	cytochrome P450, family 86, subfamily C, polypeptide 4
13429223	1.86	2	-1.1	0.411006	0.612301	AT3G16680	DNA binding / DNA-directed RNA polymerase
13452428	1.86	2.03	-1.12	0.446415	0.633684	HYR1	UDP-glycosyltransferase-like protein
13481833	1.86	2.02	-1.12	0.265672	0.546155	AT4G04985	aspartyl protease family protein
13420378	1.86	2.08	-1.16	0.329051	0.574751	AT2G42470	TRAF-like family protein
13534879	1.86	2.1	-1.18	0.140952	0.467457	AT5G43285	defensin-like protein 217
13371548	1.86	2.14	-1.22	0.160873	0.483101	AT1G23250	Caleosin-related family protein
13394136	1.86	2.23	-1.29	0.589458	0.726742	SYP112	syntaxin-112
13426953	1.86	2.23	-1.29	0.362165	0.587934	AT3G11740	hypothetical protein
13388522	1.86	2.3	-1.35	0.372229	0.591916	AT1G77340	pentatricopeptide repeat-containing protein
13426726	1.86	2.32	-1.38	0.414671	0.614208	LBD21	LOB domain-containing protein 21
13381792	1.86	2.4	-1.45	0.013873	0.310787	SCPL32	serine carboxypeptidase-like 32
13477597	1.86	2.4	-1.45	0.149151	0.471967	AT4G34550	hypothetical protein
13454535	1.86	2.41	-1.46	0.050193	0.380168	AT3G27680	self-incompatibility S1 family protein
13417493	1.86	2.6	-1.67	0.24279	0.534256	cwINV4	beta-fructofuranosidase
13506690	1.86	2.72	-1.81	0.291385	0.559213	AT5G27810	MADS-box transcription factor family protein
13518330	1.86	2.78	-1.89	0.378243	0.594453	AT5G62360	plant invertase/pectin methylesterase inhibitor domain-containing protein
13353644	1.86	3.23	-2.58	0.28044	0.554406	AT1G59885	hypothetical protein
13485028	1.86	4.29	-5.43	0.196649	0.50734	UGT84A3	UDP-glycosyltransferase-like protein
13346956	1.86	5.67	-14.01	0.128657	0.458836	PRK	phosphoribulokinase
13545677	1.85	1.8	1.04	0.411988	0.613103	AT5G36480	ECA1 gametogenesis related family protein
13356150	1.85	1.87	-1.02	0.789851	0.863966	AT1G67450	putative F-box protein
13428951	1.85	1.89	-1.03	0.80874	0.87745	AT3G16120	Dynein light chain type 1 family protein
13540076	1.85	1.94	-1.06	0.738051	0.828192	AT5G56452	FBD domain-containing protein
13471607	1.85	1.97	-1.09	0.358551	0.585867	DYT1	transcription factor DYSFUNCTIONAL TAPETUM 1
13538643	1.85	1.99	-1.1	0.598483	0.731576	ADF10	actin depolymerizing factor 10
13455887	1.85	2	-1.11	0.283003	0.555666	AT3G43990	Bromo-adjacent homology (BAH) domain-containing protein
13356236	1.85	2.02	-1.13	0.036233	0.358377	AT1G67660	Restriction endonuclease, type II-like protein
13534482	1.85	2.03	-1.13	0.709981	0.809275	LCR57	putative defensin-like protein 179
13405762	1.85	2.05	-1.15	0.104241	0.4366	AT2G46360	hypothetical protein
13480591	1.85	2.05	-1.15	0.144237	0.469407	AT4G01575; AT4G01570	serine protease inhibitor, Kazal-type family protein; pentatricopeptide repeat-containing protein
13399498	1.85	2.09	-1.19	0.366025	0.590066	AT2G31862	hypothetical protein
13470246	1.85	2.1	-1.19	0.066392	0.403288	PUP8	purine permease 8
13398264	1.85	2.15	-1.24	0.040368	0.365651	AT2G28401	hypothetical protein
13381759	1.85	2.24	-1.31	0.137995	0.46568	AT1G61090	hypothetical protein
13459558	1.85	2.25	-1.32	0.283265	0.555891	AT3G53640	protein kinase family protein
13508583	1.85	2.29	-1.35	0.291783	0.559371	AT5G40070	MADS-box family protein
13415214	1.85	2.31	-1.38	0.299514	0.562703	AT2G30985	hypothetical protein
13488391	1.85	2.35	-1.41	0.257887	0.541251	CRK12	putative cysteine-rich receptor-like protein kinase 12
13514606	1.85	2.36	-1.42	0.050123	0.380121	GRF7	growth-regulating factor 7

13390926	1.85	2.37	-1.44	0.279627	0.553836	AT2G02620	cysteine/histidine-rich C1 domain-containing protein
13381108	1.85	2.38	-1.45	0.154475	0.477544	AT1G59835	hypothetical protein
13512264	1.85	2.52	-1.59	0.270009	0.548178	AT5G48595	defensin-like protein 219
13434845	1.85	2.56	-1.63	0.084311	0.418249	AT3G32130	hypothetical protein
13522334	1.85	2.61	-1.69	0.348553	0.580766	PAI2	phosphoribosylanthranilate isomerase 2
13360946	1.85	2.61	-1.7	0.199833	0.509211	AT1G79100	putative arginine/serine-rich protein
13408970	1.85	2.66	-1.74	0.272493	0.549349	AT2G15025	Beta-galactosidase related protein
13347961	1.85	2.7	-1.8	0.375738	0.593207	AT1G35040	hypothetical protein
13481541	1.85	2.94	-2.14	0.121211	0.45228	OFP9; AT3G54730	ovate family protein 9; hypothetical protein
13392523	1.85	3.02	-2.24	0.215372	0.519459	AT2G11015	hypothetical protein
13452971	1.85	3.01	-2.24	0.122745	0.45286	AT3G23760	hypothetical protein
13451388	1.85	3.03	-2.27	0.441177	0.630118	AT3G19595	haloacid dehalogenase-like hydrolase domain-containing protein
13398149	1.85	3.44	-3.01	0.275173	0.550583	AT2G28270	cysteine/histidine-rich C1 domain-containing protein
13506944	1.85	3.45	-3.03	0.313963	0.568024	AT5G28730	hypothetical protein
13511367	1.85	3.62	-3.42	0.442082	0.630761	AT5G46660	protein kinase C-like zinc finger protein
13532638	1.85	4.17	-5	0.32071	0.570934	AT5G36657	ECA1 gametogenesis related family protein
13434183	1.84	1.43	1.32	0.269062	0.547671	AT3G28080	nodulin MtN21 /EamA-like transporter family protein
13482089	1.84	1.48	1.28	0.327818	0.574416	AT4G07515	hypothetical protein
13391455	1.84	1.7	1.1	0.435576	0.626766	AT2G04034	defensin-like protein 294
13497398	1.84	1.71	1.09	0.449393	0.635232	AT5G04347	self-incompatibility S1 family protein
13375856	1.84	1.8	1.02	0.864878	0.915688	AT1G36580	hypothetical protein
13342476	1.84	1.88	-1.03	0.891638	0.933473	SYTB	calcium-dependent lipid-binding domain
13377808	1.84	1.9	-1.04	0.848139	0.904431	AT1G50220	hypothetical protein
13365331	1.84	1.9	-1.05	0.732492	0.82521	MYB60	proto-oncogene protein
13450556	1.84	1.95	-1.08	0.319914	0.570589	AT3G17370	pentatricopeptide repeat-containing protein
13453981	1.84	1.99	-1.11	0.640586	0.760374	AT3G26561	hypothetical protein
13518260	1.84	2.03	-1.14	0.12968	0.459766	MAP65-9	microtubule-associated protein 65-9
13457377	1.84	2.12	-1.22	0.275747	0.550854	AT3G48131	hypothetical protein
13367114	1.84	2.14	-1.23	0.110513	0.441725	DDF1	dehydration-responsive element-binding protein 1F
13488044	1.84	2.14	-1.23	0.216981	0.520001	AT4G22390	F-box protein
13522543	1.84	2.15	-1.24	0.286581	0.557153	RBE	putative transcriptional regulator RABBIT EARS
13508464	1.84	2.16	-1.26	0.06984	0.406403	HB23	homeobox protein 23
13521703	1.84	2.19	-1.27	0.422783	0.618789	AT5G03837	hypothetical protein
13542838	1.84	2.18	-1.27	0.120904	0.45228	AT5G63230	carbohydrate-binding X8 domain-containing protein
13454606	1.84	2.3	-1.37	0.341904	0.57877	AT3G27800	hypothetical protein
13434761	1.84	2.37	-1.44	0.558711	0.705123	AT3G30430	F-box family protein
13455212	1.84	2.45	-1.53	0.268337	0.546992	AT3G29630	UDP-glycosyltransferase-like protein
13470265	1.84	2.5	-1.58	0.516195	0.676094	AT4G18220	putative purine permease 9
13466619	1.84	2.58	-1.67	0.267471	0.546492	LCR36	defensin-like protein 155
13412903	1.84	2.59	-1.68	0.040547	0.365846	SK3	S-phase kinase-associated protein 1
13349364	1.84	2.86	-2.02	0.124434	0.453788	AT1G47786	estrase/lipase domain-containing protein
13532630	1.84	2.98	-2.21	0.349415	0.581301	AT5G36500; AT5G36550	ECA1 gametogenesis related family protein

13528154	1.84	3	-2.23	0.401172	0.606542	AT5G19172	defensin-like protein 49
13384041	1.84	3.45	-3.05	0.1462	0.470765	AT1G66630	E3 ubiquitin-protein ligase SINA-like 3
13540207	1.84	3.58	-3.35	0.312267	0.567545	AT5G56865	hypothetical protein
13351453	1.84	4.24	-5.28	0.279554	0.553819	AT1G53039	hypothetical protein
13374950	1.83	1.53	1.23	0.316457	0.568481		
13471976	1.83	1.72	1.08	0.456461	0.639006	AT4G22060	F-box protein
13502969	1.83	1.72	1.08	0.639853	0.760123	AT5G18407	defensin-like protein 223
13396071	1.83	1.79	1.03	0.909145	0.944742	AT2G22807	putative defensin-like protein 190
13444290	1.83	1.82	1.01	0.93064	0.957704	AT3G03830	SAUR-like auxin-responsive protein
13383277	1.83	1.92	-1.06	0.182697	0.497479	AT1G64910	UDP-glycosyltransferase-like protein
13483210	1.83	1.98	-1.11	0.457813	0.639713	LCR11	putative defensin-like protein 152
13488540	1.83	2.01	-1.14	0.473687	0.648287	AT4G23390	hypothetical protein
13433771	1.83	2.03	-1.15	0.584716	0.723567	AT3G26930	FBD and leucine rich repeat domain-containing protein
13367448	1.83	2.05	-1.16	0.140118	0.466502	AT1G13370	histone H3
13406468	1.83	2.04	-1.16	0.209131	0.514533	AT2G47880	glutaredoxin-C13
13368685	1.83	2.08	-1.19	0.474183	0.648713	AT1G16230	syntaxin of plants SYP5
13403503	1.83	2.1	-1.2	0.371713	0.591916	AT2G40995	defensin-like protein 107
13468669	1.83	2.09	-1.2	0.346321	0.58045	AT4G14819	hypothetical protein
13372000	1.83	2.12	-1.22	0.327084	0.574063	AT1G24200	paired amphipathic helix repeat-containing protein
13378997	1.83	2.12	-1.22	0.13758	0.46568	AT1G53285	hypothetical protein
13372063	1.83	2.14	-1.23	0.040172	0.365591	AT1G24270	hypothetical protein
13378588	1.83	2.14	-1.24	0.004085	0.262292	AT1G52191	PaaI-thioesterase domain-containing protein
13384025	1.83	2.16	-1.26	0.138348	0.46568	SUC7	putative sucrose transport protein SUC7
13442473	1.83	2.2	-1.29	0.092742	0.429659	AT3G61930	hypothetical protein
13417796	1.83	2.23	-1.32	0.008781	0.293015	AT2G36770	UDP-glucosyl transferase 73C
13515909	1.83	2.29	-1.37	0.05657	0.389748	AT5G56800	FBD and LRR domain-containing protein
13436909	1.83	2.31	-1.4	0.142961	0.46893	CYP71A26	cytochrome P450 71A26
13408752	1.83	2.32	-1.41	0.092101	0.429607	AT2G14060	S-adenosyl-L-methionine-dependent methyltransferaselike protein
13375580	1.83	2.34	-1.43	0.08044	0.415021	AT1G34930	Plant thionin family protein
13344499	1.83	2.43	-1.51	0.102963	0.435908	CLE43	protein CLAVATA3/ESR-related 43
13391405	1.83	2.51	-1.61	0.260966	0.542999	AT2G03936	putative defensin-like protein 56
13467979	1.83	2.54	-1.64	0.025518	0.335659	AT4G12960	Gamma interferon responsive lysosomal thiol (GILT) reductase family protein
13541905	1.83	2.58	-1.68	0.372881	0.592245	TCP5	transcription factor TCP5
13375989	1.83	2.7	-1.82	0.423593	0.619186	AT1G41920	General transcription factor 2-related zinc finger protein
13397153	1.83	2.82	-1.98	0.249514	0.537159	AT2G25770	polyketide cyclase/dehydrase domain protein
13360303	1.83	2.87	-2.06	0.250828	0.537953	AT1G77650	putative F-box protein
13348637	1.83	2.98	-2.22	0.419765	0.617215	AT1G43600	NLI interacting factor (NIF) family protein
13498520	1.83	3.58	-3.35	0.348018	0.580705	AT5G06890	ubiquitin-like family protein
13390862	1.83	3.9	-4.18	0.371514	0.591914	AT2G02490	hypothetical protein
13455648	1.82	1.71	1.08	0.074114	0.410257	LCR33	putative defensin-like protein 133
13436099	1.82	1.74	1.06	0.784491	0.85998	AT3G46410	protein kinase family protein
13450803	1.82	1.76	1.04	0.6541	0.77044	AT3G18235	hypothetical protein
13374944	1.82	1.79	1.02	0.639693	0.760106	AT1G32650	hypothetical protein
13353695	1.82	1.85	-1.01	0.916213	0.949351		

13429566	1.82	1.86	-1.03	0.88298	0.928661	AT3G17480	F-box and associated interaction domain-containing protein
13450330	1.82	1.92	-1.07	0.767878	0.848455	AT3G16820	F-box and associated interaction domain-containing protein
13386916	1.82	1.94	-1.08	0.243373	0.534445	AT1G73550	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13496019	1.82	1.96	-1.1	0.516006	0.67597	AT5G01120	hypothetical protein
13497229	1.82	1.99	-1.13	0.134252	0.463251	AT5G04045	defensin-like protein 301
13370631	1.82	2.02	-1.15	0.487893	0.657069	AT1G20800	F-box family protein
13376155	1.82	2.04	-1.16	0.036031	0.357964	AT1G43666	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13481987	1.82	2.05	-1.17	0.620639	0.747415	AT4G05523	hypothetical protein
13507142	1.82	2.11	-1.23	0.398123	0.604877	AT5G34885	hypothetical protein
13519402	1.82	2.14	-1.25	0.13645	0.465235	AT5G64790	O-Glycosyl hydrolases family 17 protein
13421767	1.82	2.15	-1.26	0.159461	0.481832	AT2G45800	GATA type zinc finger transcription factor-like protein
13393380	1.82	2.24	-1.34	0.363534	0.588819	AT2G16592	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13466208	1.82	2.29	-1.38	0.117721	0.447676	AT4G08028	putative defensin-like protein 102
13503681	1.82	2.31	-1.4	0.061386	0.398106	AT5G19720	tRNA synthetases class I (E and Q), anti-codon binding domain protein
13366757	1.82	2.38	-1.47	0.200633	0.509845	CYP71A18	cytochrome P450 71A18
13383613	1.82	2.43	-1.54	0.036072	0.35801	DegP3	putative protease Do-like 3
13375666	1.82	2.52	-1.63	0.231826	0.528276	AT1G35375	hypothetical protein
13401284	1.82	2.54	-1.65	0.272062	0.548944	AT2G35830	hypothetical protein
13337858	1.82	2.78	-1.95	0.079995	0.414259	NAS3	Nicotianamine synthase 3
13512698	1.82	3.07	-2.37	0.201213	0.510163		
13395120	1.82	3.07	-2.38	0.307681	0.565966	AT2G20619	Plant thionin family protein
13538779	1.81	1.59	1.17	0.180381	0.495835		
13342261	1.81	1.61	1.15	0.504409	0.66833		
13455846	1.81	1.65	1.12	0.477091	0.650508	AT3G43880	hypothetical protein
13348036	1.81	1.69	1.09	0.495264	0.661904	AT1G35400	hypothetical protein
13535567	1.81	1.71	1.08	0.455985	0.638899	AT5G44830	glycoside hydrolase family 28 protein / polygalacturonase (pectinase) family protein
13492813	1.81	1.71	1.07	0.387127	0.598595	AT4G33145	hypothetical protein
13409341	1.81	1.78	1.03	0.944631	0.967025	AT2G16520	hypothetical protein
13486591	1.81	1.83	-1.01	0.747409	0.834402	AT4G18740	Rho termination factor
13443201	1.81	1.85	-1.02	0.801626	0.872104	AT3G01323	ECA1-like gametogenesis related family protein
13505637	1.81	1.86	-1.03	0.852046	0.90677	AT5G25410	hypothetical protein
13508323	1.81	1.85	-1.03	0.74681	0.83384	AT5G39230	TFIIB zinc-binding protein
13532573	1.81	1.85	-1.03	0.910849	0.946066	AT5G36240	zinc knuckle (CCHC-type) family protein
13460348	1.81	1.9	-1.06	0.515331	0.675634	AT3G55254	self-incompatibility S1 family protein
13435092	1.81	1.95	-1.11	0.605798	0.736611	AT3G43400	ELMO/CED-12 family protein
13335084	1.81	1.98	-1.12	0.617867	0.745299	CUL2	cullin 2
13412510	1.81	1.98	-1.13	0.232165	0.528375	AT2G24696	transcriptional factor B3 family protein
13506128	1.81	1.98	-1.13	0.506797	0.670111	AT5G26805	hypothetical protein
13454079	1.81	1.99	-1.14	0.227253	0.525643	AT3G26870	self-incompatibility S1 family protein
13384179	1.81	2.04	-1.17	0.257801	0.541251	AT1G67025	hypothetical protein

13452936	1.81	2.06	-1.18	0.646136	0.764388	AT3G23680	putative F-box associated ubiquitination effector protein
13409054	1.81	2.09	-1.22	0.419951	0.61724	AT2G15640	F-box protein
13368183	1.81	2.11	-1.23	0.277394	0.552045	AT1G14950	major latex-related protein
13408888	1.81	2.17	-1.28	0.039261	0.364658	AT2G14635	hypothetical protein
13435796	1.81	2.17	-1.29	0.074044	0.410257	AT3G45577	tRNA-intron endonuclease
13379989	1.81	2.19	-1.3	0.132032	0.46218	CAX6	cation exchanger 6
13352848	1.81	2.32	-1.43	0.113564	0.444631	PP2-B13	F-box protein PP2-B13
13366079	1.81	2.36	-1.46	0.155451	0.47818	AT1G10250	hypothetical protein
13502374	1.81	2.35	-1.46	0.062515	0.398248	AT5G16700	glycosyl hydrolase family 5 protein
13376049	1.81	2.36	-1.47	0.057777	0.39275	AT1G43090	glycoside hydrolase family 28 protein / polygalacturonase (pectinase) family protein
13396195	1.81	2.44	-1.55	0.189049	0.50294	SCPL9	serine carboxypeptidase-like 9
13451451	1.81	2.52	-1.63	0.428927	0.62258	AT3G19690; AT3G19680	putative pathogenesis-related protein; hypothetical protein
13482996	1.81	2.56	-1.68	0.319476	0.57026	AT4G10895	self-incompatibility S1 family protein
13426991	1.81	2.91	-2.14	0.46374	0.643345	AT3G11860	hypothetical protein
13410968	1.81	3.21	-2.63	0.347111	0.58045	AT2G20595	hypothetical protein
13532078	1.81	3.24	-2.68	0.260423	0.542969	AT5G34828	Plant thionin family protein
13444664	1.81	3.36	-2.93	0.395746	0.603608	AT3G04721	hypothetical protein
13507900	1.81	3.47	-3.17	0.266594	0.546291	AT5G37980	2-alkenal reductase
13371910	1.81	3.97	-4.47	0.343122	0.579024	AT1G24062	defensin-like protein 68
13369598	1.81	4.15	-5.05	0.359804	0.586536	PUP9	purine permease 9
13415471	1.8	1.47	1.26	0.430213	0.623122	AT2G31550	SGNH hydrolase-type esterase
13544088	1.8	1.64	1.11	0.148086	0.471967		
13515914	1.8	1.69	1.08	0.237937	0.531995	AT5G56810	putative F-box/FBD/LRR-repeat protein
13536429	1.8	1.69	1.07	0.739673	0.829115	LCR6	putative defensin-like protein 126
13514240	1.8	1.74	1.04	0.461235	0.642085	AT5G53030	hypothetical protein
13358507	1.8	1.84	-1.03	0.886974	0.930765	AT1G72940	Toll-Interleukin-Resistance domain-containing protein
13469365	1.8	1.89	-1.06	0.529034	0.685745	AT4G16045	meprin and TRAF homology domain-containing protein
13353149	1.8	1.9	-1.07	0.757846	0.84148	AT1G57780	heavy-metal-associated domain-containing protein
13431796	1.8	1.9	-1.07	0.819879	0.884792	AT3G22345	hypothetical protein
13542638	1.8	1.93	-1.09	0.243201	0.534289	AT5G62750	hypothetical protein
13508803	1.8	1.97	-1.12	0.180995	0.496382	DegP13	DegP protease 13
13394165	1.8	1.98	-1.13	0.379027	0.594793	AT2G18340	late embryogenesis abundant domain-containing protein
13384687	1.8	1.99	-1.14	0.128408	0.458597	CLE8	CLAVATA3/ESR-related 8 protein
13482140	1.8	2.02	-1.16	0.198501	0.508119	AT4G08039	putative defensin-like protein 312
13467028	1.8	2.04	-1.18	0.061619	0.398106	AT4G10210	hypothetical protein
13356591	1.8	2.05	-1.19	0.137744	0.46568	AT1G68350	hypothetical protein
13348679	1.8	2.08	-1.22	0.302743	0.563999	AT1G43722	hypothetical protein
13407775	1.8	2.15	-1.27	0.259834	0.542594	LCR82	putative defensin-like protein 86
13366558	1.8	2.15	-1.28	0.120631	0.452158	scpl31	carboxypeptidase C
13382693	1.8	2.17	-1.29	0.083837	0.417946	AT1G63360	CC-NBS-LRR class disease resistance protein
13475498	1.8	2.19	-1.31	0.071767	0.408234	AT4G30180	transcription factor/ transcription regulator
13378620	1.8	2.35	-1.47	0.437493	0.628101	AT1G52270	hypothetical protein

13458779	1.8	2.37	-1.49	0.005886	0.279573	AT3G51760	hypothetical protein
13537395	1.8	2.43	-1.54	0.026062	0.337071	AT5G49420	MADS-box transcription factor family protein
13534479	1.8	2.42	-1.54	0.075071	0.410503	AT5G42223	putative defensin-like protein 114
13407327	1.8	2.47	-1.58	0.074279	0.410265	AT2G02890	F-box protein
13525073	1.8	2.48	-1.6	0.166978	0.486855	AT5G12060	self-incompatibility S1 family protein
13407893	1.8	2.62	-1.78	0.324171	0.572955	AT2G04910	carbohydrate-binding X8 domain-containing protein
13470751	1.8	2.64	-1.78	0.324602	0.573051	AT4G19250	kelch repeat-containing protein
13491373	1.8	3.02	-2.33	0.366511	0.590194	AT4G30050	hypothetical protein
13449173	1.8	3.51	-3.28	0.428972	0.622591	MYB26	myb domain protein 26
13388761	1.8	3.91	-4.33	0.394822	0.60291	AT1G77780	glycosyl hydrolase family 17 protein
13510562	1.79	1.54	1.19	0.361309	0.5879	BGLU13	beta glucosidase 13
13351255	1.79	1.66	1.09	0.093722	0.430403	AT1G52460	alpha/beta-hydrolase domain-containing protein
13400458	1.79	1.68	1.08	0.471621	0.64746	AT2G34110	hypothetical protein
13450363	1.79	1.69	1.07	0.577968	0.718014	AT3G16895	defensin-like protein 47
13429568	1.79	1.72	1.05	0.585528	0.724132	AT3G17490	putative F-box protein
13386253	1.79	1.74	1.03	0.833635	0.894712	AT1G72141	hypothetical protein
13545497	1.79	1.75	1.03	0.931918	0.958614		
13423057	1.79	1.8	-1.01	0.940949	0.964588	AT3G01870	hypothetical protein
13375836	1.79	1.84	-1.04	0.452575	0.636679	UBC31	ubiquitin-conjugating enzyme E2 D/E
13411927	1.79	1.85	-1.04	0.785458	0.86071	UGT84B1	UDP-glucose:(indol-3-yl)acetate beta-D-glucosyltransferase
13490979	1.79	1.85	-1.04	0.802602	0.872671	AT4G29033	putative defensin-like protein 31
13535877	1.79	1.84	-1.04	0.180375	0.495835	AT5G45630	hypothetical protein
13498790	1.79	1.86	-1.06	0.625376	0.750153	AT5G07410	putative pectinesterase 48
13514296	1.79	1.87	-1.06	0.431112	0.623682	AT5G53100	Rossmann-fold NAD(P)-binding domain-containing protein
13521803	1.79	1.89	-1.07	0.513187	0.674379	AT5G04047	self-incompatibility S1 family protein
13403182	1.79	1.91	-1.09	0.464039	0.643501	AT2G40310	glycoside hydrolase family 28 protein / polygalacturonase (pectinase) family protein
13458766	1.79	1.94	-1.11	0.436381	0.627416	AT3G51700	PIF1 helicase
13398545	1.79	1.96	-1.12	0.5756	0.716754	AT2G29300	tropine dehydrogenase
13506479	1.79	1.99	-1.15	0.054046	0.384754	AT5G27510	protein kinase family protein
13507371	1.79	2.05	-1.19	0.10641	0.438604	AT5G35698	Plant thionin family protein
13417800	1.79	2.05	-1.2	0.568542	0.71147	AT2G36780	UDP-glucosyl transferase 73C
13352168	1.79	2.06	-1.21	0.45355	0.637261	AT1G54550	F-box protein
13481365	1.79	2.14	-1.27	0.099084	0.433828	AT4G03350	ubiquitin family protein
13376651	1.79	2.16	-1.29	0.339436	0.577996	AT1G47540	defensin-like protein 192
13454804	1.79	2.18	-1.31	0.185258	0.499807	AT3G28440	hypothetical protein
13438636	1.79	2.2	-1.32	0.267372	0.546492	AT3G52690	leuciner ich repeat and FBD domain-containing protein
13524015	1.79	2.19	-1.32	0.237332	0.531342	AT5G09780	B3 domain-containing protein REM23
13414053	1.79	2.21	-1.34	0.052464	0.382994	AT2G28085	SAUR-like auxin-responsive protein
13486618	1.79	2.21	-1.34	0.233531	0.529224	NRAMP5	metal transporter Nramp5
13474595	1.79	2.23	-1.36	0.387578	0.598939	LLG3	LORELEI-like-GPI anchored protein 3
13430670	1.79	2.32	-1.44	0.034946	0.355472	IKU2	receptor-like protein kinase HAIKU2
13487215	1.79	2.4	-1.53	0.319193	0.570099	TSF	protein TWIN SISTER of FT
13437603	1.79	2.43	-1.56	0.405268	0.609032	AT3G49950	scarecrow-like protein 32

13430054	1.79	2.46	-1.59	0.313011	0.567941	AT3G18340	putative F-box protein
13408877	1.79	2.5	-1.63	0.017936	0.319749	SRP2	serpin-Z2
13390725	1.79	2.56	-1.7	0.044101	0.373714	AT2G02061	nucleotide-diphospho-sugar transferase domain-containing protein
13396710	1.79	2.73	-1.92	0.222378	0.523514	AT2G24560	GDSL esterase/lipase
13405412	1.79	2.73	-1.92	0.249348	0.536923	AT2G45610	alpha/beta-hydrolase-like protein
13337901	1.79	2.82	-2.04	0.105077	0.43719	AT1G09310	hypothetical protein
13374572	1.79	2.94	-2.22	0.374582	0.593102	AGL86	agamous-like MADS-box protein AGL86
13334919	1.79	3.58	-3.44	0.365009	0.589592	AT1G02575	hypothetical protein
13439444	1.79	4.64	-7.23	0.331486	0.576146	AT3G54730; OFP9	hypothetical protein; ovate family protein 9
13424784	1.78	1.56	1.16	0.23012	0.527363	AT3G05725	hypothetical protein
13391164	1.78	1.62	1.12	0.139684	0.466238		
13475174	1.78	1.79	-1.01	0.845863	0.902845	LCR24	defensin-like protein 163
13421250	1.78	1.84	-1.04	0.764208	0.84566	GH9B11	endoglucanase 14
13401675	1.78	1.88	-1.07	0.790388	0.864289	AT2G36815	hypothetical protein
13538111	1.78	1.92	-1.1	0.352585	0.583214	AT5G51000	putative F-box protein
13373906	1.78	1.99	-1.15	0.271788	0.548926	CAB2; CAB3	chlorophyll a-b binding protein 2/3
13391395	1.78	1.97	-1.15	0.14866	0.471967	AT2G03932	putative defensin-like protein 64
13416042	1.78	2.01	-1.18	0.215469	0.519459	AT2G32870	TRAF-like family protein
13482324	1.78	2.22	-1.36	0.000383	0.185493	AT4G08730	RNA-binding protein
13434439	1.78	2.22	-1.36	0.453478	0.637224	AT3G28870	hypothetical protein
13456643	1.78	2.23	-1.37	0.224565	0.524988	PAP19	purple acid phosphatase 19
13392647	1.78	2.28	-1.41	0.122126	0.452662	AT2G13273	hypothetical protein
13357186	1.78	2.3	-1.44	0.087439	0.423319	AT1G69818	defensin-like protein 34
13385589	1.78	2.32	-1.45	0.535985	0.689751		
13531530	1.78	2.36	-1.5	0.005215	0.271751	AT5G27570	cell division cycle 20, cofactor of APC complex
13508068	1.78	2.5	-1.64	0.358106	0.58567	AT5G38396	putative F-box/LRR-repeat protein
13520890	1.78	2.59	-1.75	0.230075	0.527363	LECRKA4.1	Lectin-domain containing receptor kinase A4.1
13483621	1.78	2.63	-1.8	0.146525	0.470962	AT4G12490	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13397883	1.78	2.68	-1.86	0.210402	0.515627	AT2G27570	P-loop containing nucleoside triphosphate hydrolase-like protein
13532790	1.78	2.68	-1.86	0.229845	0.527344	AT5G36925	hypothetical protein
13413763	1.78	2.7	-1.89	0.292169	0.559482	AT2G27385	Pollen Ole e 1 allergen and extensin family protein
13537122	1.78	2.73	-1.94	0.038422	0.363769	AT5G48700	putative small ubiquitin-related modifier 6
13522946	1.78	2.8	-2.02	0.204235	0.511177	ST2B	sulfotransferase 2B
13372265	1.78	2.87	-2.13	0.258324	0.541251	AT1G25330	transcription factor bHLH75
13444411	1.78	2.91	-2.18	0.429438	0.622788	AT3G04170	germin-like protein subfamily 1 member 3
13464445	1.78	3.02	-2.35	0.031291	0.351689	AT4G01516	hypothetical protein
13396119	1.78	3.12	-2.54	0.096039	0.432022	AT2G22930	glycosyl transferase domain-containing protein
13521047	1.78	3.25	-2.78	0.297582	0.562346	WRKY62	putative WRKY transcription factor 62
13534337	1.78	3.28	-2.84	0.342541	0.579024	AT5G41774	hypothetical protein
13481123	1.78	3.42	-3.13	0.270399	0.548501	PSAD-1	photosystem I reaction center subunit II-1
13444416	1.78	3.47	-3.24	0.385143	0.598088	AT3G04180	germin-like protein subfamily 1 member 4
13442729	1.78	6.22	-21.63	0.002516	0.253459	BGLU7	beta glucosidase 7
13460523	1.77	1.66	1.08	0.339901	0.578023	AT3G55860	hypothetical protein

13537795	1.77	1.72	1.04	0.785252	0.860583	AT5G50335	hypothetical protein
13437290	1.77	1.83	-1.04	0.332118	0.576298	AT3G49030	putative F-box/FBD/LRR-repeat protein
13354446	1.77	1.86	-1.06	0.84373	0.90141	AT1G62630	CC-NBS-LRR class disease resistance protein
13458324	1.77	1.88	-1.08	0.367993	0.590874	LBD28	LOB domain-containing protein 28
13467036	1.77	1.91	-1.1	0.703747	0.804883	AT4G10220	hypothetical protein
13380846	1.77	1.92	-1.11	0.366662	0.590232	AT1G58248	Plant thionin family protein
13467043	1.77	1.99	-1.17	0.263733	0.544783	AT4G10230	hypothetical protein
13482952	1.77	1.99	-1.17	0.537367	0.690566	AT4G10740	putative F-box protein
13488529	1.77	2	-1.17	0.551228	0.700471		
13456196	1.77	2.07	-1.23	0.668818	0.780055	AT3G45030; AT5G62300	40S ribosomal protein S20-1
13495478	1.77	2.09	-1.25	0.312024	0.567377	AT4G38840	SAUR-like auxin-responsive protein
13378029	1.77	2.12	-1.27	0.270829	0.548553	AT1G50800	hypothetical protein
13492957	1.77	2.2	-1.36	0.602036	0.733684	AT4G33320	hypothetical protein
13462239	1.77	2.23	-1.38	0.102826	0.435908		
13372735	1.77	2.29	-1.43	0.10313	0.435908	AT1G26761	Arabinanase/levansucrase/invertase
13520339	1.77	2.29	-1.43	0.173853	0.490907	AT5G66815	hypothetical protein
13514208	1.77	2.3	-1.45	0.377665	0.594163	AT5G52940	hypothetical protein
13482908	1.77	2.35	-1.49	0.381922	0.59674	AT4G10600	RING/FYVE/PHD zinc finger-containing protein
13357828	1.77	2.42	-1.57	0.443709	0.631675	AT1G71290	F-box associated ubiquitination effector family protein
13409905	1.77	2.52	-1.68	0.388187	0.599123	AT2G17960	hypothetical protein
13435252	1.77	2.71	-1.92	0.382456	0.597016	AT3G43870	hypothetical protein
13542699	1.77	2.89	-2.17	0.408513	0.610666		
13534948	1.77	3	-2.34	0.360242	0.586939	AT5G43390	hypothetical protein
13464816	1.77	3.12	-2.54	0.242109	0.5339	AGL51	protein agamous-like 51
13376288	1.77	3.47	-3.23	0.292697	0.559559	AT1G44224	ECA1 gametogenesis related family protein
13380344	1.77	3.65	-3.7	0.010259	0.296261	PP2-B14	F-box protein PP2-B14
13409365	1.76	1.33	1.36	0.017207	0.319147	AT2G16620	putative protein kinase
13342894	1.76	1.49	1.21	0.261872	0.543595		
13544596	1.76	1.58	1.13	0.463555	0.643319	AT5G67150	HXXXD-type acyl-transferase-like protein
13407146	1.76	1.66	1.07	0.567347	0.710969	PP2-B4	phloem protein 2-LIKE B4
13454223	1.76	1.7	1.05	0.361546	0.5879	AT3G27040	Meprin and TRAF (MATH) homology domain-containing protein
13507150	1.76	1.74	1.02	0.894032	0.934884	AT5G34908	hypothetical protein
13349035	1.76	1.77	-1.01	0.901956	0.939937	AT1G45223	hypothetical protein
13378586	1.76	1.79	-1.02	0.80549	0.875078		
13432748	1.76	1.79	-1.02	0.850628	0.905868	AT3G24510	defensin-like protein 259
13508418	1.76	1.78	-1.02	0.797975	0.870063	AT5G39650	hypothetical protein
13467779	1.76	1.8	-1.03	0.723849	0.818976	AT4G12370	hypothetical protein
13357222	1.76	1.84	-1.05	0.735365	0.826834	AT1G70030	paired amphipathic helix domain-containing protein
13461584	1.76	1.83	-1.05	0.828744	0.891221	AT3G58410	TRAF-like family protein
13413162	1.76	1.92	-1.11	0.72645	0.820846	AGL33	protein agamous-like 33
13359599	1.76	2.03	-1.21	0.149924	0.47278	EXL4	GDSL esterase/lipase EXL4
13442154	1.76	2.06	-1.23	0.598576	0.731596	MYB17	myb domain protein 17
13472003	1.76	2.07	-1.24	0.318103	0.569548	AT4G22165	putative F-box protein
13345327	1.76	2.2	-1.36	0.110716	0.441993	AT1G27820	putative CCR4-associated factor 1-3

13399307	1.76	2.51	-1.69	0.253513	0.539332	LBD14	LOB domain-containing protein 14
13462434	1.76	2.53	-1.7	0.335654	0.576654	AT3G60328	hypothetical protein
13459836	1.76	2.65	-1.86	0.010937	0.297771	AT3G54310	hypothetical protein
13434886	1.76	3.18	-2.69	0.402514	0.607175	AT3G32960	hypothetical protein
13506276	1.76	3.38	-3.08	0.296134	0.561293	AGL53	protein agamous-like 53
13395457	1.76	3.39	-3.1	0.045254	0.375052	SRS3	SHI-related sequence protein
13373068	1.76	3.73	-3.92	0.385259	0.598088	AT1G27870	RNase H domain-containing protein
13463117	1.76	5.43	-12.73	0.353629	0.583778	AT3G62097	hypothetical protein
13374973	1.75	1.5	1.18	0.54624	0.696675	AT1G32763	defensin-like protein 43
13482924	1.75	1.58	1.12	0.65401	0.77044	AT4G10700	hypothetical protein
13351768	1.75	1.61	1.1	0.585104	0.723858		
13426559	1.75	1.62	1.09	0.223688	0.524399	CYP77A6	cytochrome P450, family 77, subfamily A, polypeptide 6
13354516	1.75	1.67	1.06	0.759592	0.842475	AT1G62910	pentatricopeptide repeat-containing protein
13402322	1.75	1.69	1.04	0.399459	0.605362	AT2G38365	hypothetical protein
13371759	1.75	1.71	1.03	0.761737	0.843839	AT1G23670	hypothetical protein
13391745	1.75	1.71	1.03	0.842886	0.90098	AT2G04920	putative F-box only protein 9
13406352	1.75	1.74	1.01	0.953551	0.972398		
13495364	1.75	1.76	-1.01	0.827599	0.890468	AT4G38700	disease resistance-responsive, dirigent domain-containing protein
13407620	1.75	1.81	-1.04	0.175898	0.492405	AT2G04031	hypothetical protein
13540045	1.75	1.81	-1.04	0.708295	0.808094	AT5G56390	putative FBD-associated F-box protein
13457141	1.75	1.82	-1.05	0.591454	0.727684	AT3G47543	hypothetical protein
13489475	1.75	1.84	-1.07	0.382464	0.597016	DREB1A	dehydration-responsive element-binding protein 1A
13391608	1.75	1.88	-1.1	0.320818	0.570934	AT2G04495	hypothetical protein
13508024	1.75	1.89	-1.1	0.376733	0.59355	LCR58	putative defensin-like protein 180
13500612	1.75	1.9	-1.11	0.443476	0.63152		
13409023	1.75	1.9	-1.12	0.701723	0.80374	AT2G15360	hypothetical protein
13483807	1.75	1.98	-1.17	0.393988	0.602623	AT4G13060	F-box associated ubiquitination effector family protein
13414641	1.75	2.03	-1.22	0.130588	0.460628	AT2G29770; OTP81	F-box/LRR-repeat/kelch-repeat protein; pentatricopeptide repeat-containing protein
13422293	1.75	2.26	-1.43	0.316291	0.568464	VGD1	pectinesterase 5
13462634	1.75	2.27	-1.43	0.402556	0.607175		
13412765	1.75	2.39	-1.55	0.393153	0.60196	AT2G25312	ECA1 gametogenesis related family protein
13348132	1.75	2.47	-1.65	0.405111	0.609014	AT1G35550	elongation factor Tu C-terminal domain-containing protein
13401391	1.75	2.47	-1.65	0.16615	0.486235	AT2G36110	polynucleotidyl transferase, ribonuclease H-like protein
13359377	1.75	2.62	-1.84	0.187996	0.502321	AT1G75280	Isoflavone reductase-P3
13536897	1.75	2.87	-2.18	0.340746	0.578295	AT5G48280	hypothetical protein
13470310	1.75	2.9	-2.23	0.322223	0.571523	AT4G18320	hypothetical protein
13442780	1.74	1.51	1.17	0.354524	0.584365	AT3G62950	glutaredoxin-C11
13503540	1.74	1.52	1.16	0.158086	0.480597	AT5G19473	RPM1-interacting protein 4 (RIN4) family protein
13365682	1.74	1.6	1.1	0.362441	0.588148	AT1G09483	hypothetical protein
13348681	1.74	1.64	1.08	0.723164	0.818297		
13407652	1.74	1.76	-1.01	0.775906	0.85425	AT2G04066	MATE efflux family protein
13535388	1.74	1.76	-1.01	0.858785	0.911871	PDF1.2	defensin-like protein 16

13416506	1.74	1.84	-1.07	0.006415	0.282486	AT2G33796; AT2G33793	FBD-like domain family protein; hypothetical protein
13393216	1.74	1.85	-1.08	0.357234	0.584844	LCR10	defensin-like protein 144
13424890	1.74	1.85	-1.08	0.70069	0.803072	AT3G06000	leucine-rich repeat family protein
13500982	1.74	1.85	-1.08	0.765292	0.846596	AT5G13350	auxin-responsive GH3 family protein
13390934	1.74	1.96	-1.17	0.267956	0.546492	AT2G02640	cysteine/histidine-rich C1 domain-containing protein
13415120	1.74	1.98	-1.18	0.636975	0.758511	CYP71A13	cytochrome P450, family 71, subfamily A, polypeptide 13
13371710	1.74	2.02	-1.21	0.125602	0.45484	AT1G23580	hypothetical protein
13539108	1.74	2.04	-1.23	0.615161	0.74359	AT5G53640	hypothetical protein
13462545	1.74	2.06	-1.25	0.051717	0.382313	AT3G60760	hypothetical protein
13541609	1.74	2.11	-1.29	0.26647	0.546291	AT5G60130	AP2/B3 domain-containing protein
13542383	1.74	2.11	-1.29	0.364723	0.589444	AT5G62080	protease inhibitor/seed storage/lipid transfer protein (LTP) family protein
13492785	1.74	2.11	-1.3	0.127223	0.456893	AT4G33110; AT4G33100	S-adenosyl-L-methionine-dependent methyltransferase-like protein; hypothetical protein
13445026	1.74	2.13	-1.31	0.484932	0.654799	AT3G05540	Methionine sulfoxide reductase (MSS4-like) protein
13364187	1.74	2.18	-1.36	0.047	0.377465	AT1G06360	delta-9 desaturase-like 5 protein
13508597	1.74	2.2	-1.38	0.342535	0.579024	AT5G40155	defensin-like protein 313
13532135	1.73	1.49	1.18	0.294997	0.56088	AT5G35195	Defensin-like (DEFL) family protein
13375590	1.73	1.52	1.16	0.337681	0.577243	AT1G35170	TRAM, LAG1 and CLN8 (TLC) lipid-sensing domain containing protein
13533314	1.73	1.63	1.07	0.303351	0.564129	AT5G38580	FBD-like domain family protein
13411761	1.73	1.72	1.01	0.957878	0.975066		
13339680	1.73	1.74	-1.01	0.935844	0.96113	AT1G13605	defensin-like protein 268
13513874	1.73	1.74	-1.01	0.679223	0.787692	AT5G52160	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13392152	1.73	1.77	-1.02	0.682727	0.789883	AT2G07140	F-box and associated interaction domain-containing protein
13542490	1.73	1.87	-1.11	0.109942	0.441206	MYB99	myb proto-oncogene protein
13444243	1.73	1.9	-1.13	0.533501	0.688042	AT3G03726	hypothetical protein
13399456	1.73	2	-1.21	0.21896	0.52121	ARI10	putative E3 ubiquitin-protein ligase ARI10
13339663	1.73	2.08	-1.27	0.367968	0.590874	ST4C	sulfotransferase 4C
13369834	1.73	2.08	-1.27	0.101	0.434702	AT1G18790	RWP-RK domain-containing protein
13525789	1.73	2.07	-1.27	0.155403	0.47818	AT5G13825	hypothetical protein
13490788	1.73	2.17	-1.35	0.208688	0.514214	AT4G28340	hypothetical protein
13487200	1.73	2.26	-1.44	0.408206	0.610585	AT4G20250	hypothetical protein
13396674	1.73	2.31	-1.5	0.128083	0.45805	AT2G24460	hypothetical protein
13408557	1.73	2.31	-1.5	0.171548	0.489309	AT2G12190	putative cytochrome P450
13408967	1.73	2.43	-1.62	0.247879	0.536315	AT2G15020	hypothetical protein
13411194	1.73	2.46	-1.67	0.261342	0.543266	AT2G21030	hypothetical protein
13477046	1.73	2.53	-1.74	0.497381	0.663492	SCRL22	putative defensin-like protein 233
13455898	1.73	3.25	-2.87	0.357381	0.584918	AT3G44060	putative F-box protein
13391747	1.73	3.58	-3.61	0.405643	0.609101	AT2G05050	protein phosphatase 2C-like protein
13385468	1.72	1.54	1.14	0.416605	0.615582		
13387628	1.72	1.54	1.13	0.313296	0.568008	RL6	RAD-like 6 protein
13395856	1.72	1.58	1.1	0.687166	0.792977	AT2G22345	putative defensin-like protein 72

13534978	1.72	1.67	1.03	0.752552	0.837918	RPP8; AT5G43480	disease resistance protein RPP8; hypothetical protein
13527668	1.72	1.76	-1.03	0.915733	0.949074	AT5G18010	SAUR-like auxin-responsive protein
13336987	1.72	1.79	-1.05	0.179977	0.495546	AT1G07476	hypothetical protein
13355776	1.72	1.82	-1.07	0.822663	0.886658	MYB114	transcription factor MYB114
13338877	1.72	1.86	-1.1	0.585712	0.724203	AT1G11593	plant invertase/pectin methylesterase inhibitor domain-containing protein
13475302	1.72	1.86	-1.1	0.452253	0.636609	AT4G29620	cytidine/deoxycytidylate deaminase-like protein
13472296	1.72	1.91	-1.14	0.523466	0.681464	CRK6	cysteine-rich receptor-like protein kinase 6
13532016	1.72	1.92	-1.15	0.661436	0.775425	SRS8	SHI-related sequence 8
13533545	1.72	1.92	-1.15	0.355257	0.584538	AT5G39470	F-box protein
13391408	1.72	1.97	-1.19	0.5817	0.721238	AT2G03937	Defensin-like (DEFL) family protein
13518450	1.72	2.03	-1.23	0.376145	0.593207	AT5G62623	putative defensin-like protein 264
13407348	1.72	2.04	-1.25	0.241157	0.533482	PKS1	phytochrome kinase substrate 1
13390765	1.72	2.07	-1.27	0.191523	0.504617	LCR72	defensin-like protein 10
13339973	1.72	2.11	-1.32	0.16473	0.485884	AT1G14250	GDA1/CD39 nucleoside phosphatase family protein
13478127	1.72	2.22	-1.42	0.145439	0.470097	AT4G35733	F-box protein
13438763	1.72	2.3	-1.5	0.054348	0.385747	SK6	S-phase kinase-associated protein 1
13453083	1.72	2.34	-1.53	0.00938	0.296261	AT3G24068	self-incompatibility S1 family protein
13483081	1.72	2.33	-1.53	0.495096	0.661772	AT4G11020	hypothetical protein
13497152	1.72	2.51	-1.73	0.347366	0.58045	AT5G03750	hypothetical protein
13493627	1.72	2.64	-1.9	0.027398	0.342328	XDH2	xanthine dehydrogenase 2
13462022	1.72	2.98	-2.41	0.028839	0.347391	GUN4	tetrapyrrole-binding protein
13401740	1.72	3.09	-2.58	0.321597	0.571349	AT2G37000	transcription factor TCP11
13480000	1.72	3.16	-2.72	0.199488	0.508877	AT4G00342	hypothetical protein
13458222	1.72	3.97	-4.75	0.344015	0.57929	AT3G50250; AT4G19270	hypothetical protein
13358773	1.71	1.4	1.24	0.434767	0.626326	LCR65	defensin-like protein 176
13455463	1.71	1.56	1.11	0.555593	0.703082	AT3G32920	P-loop containing nucleoside triphosphate hydrolase-like protein
13412670	1.71	1.58	1.09	0.689039	0.794178	AT2G25169	hypothetical protein
13399967	1.71	1.63	1.06	0.705779	0.806481		
13429431	1.71	1.64	1.05	0.705981	0.806613	AT3G17155	defensin-like protein 46
13531132	1.71	1.68	1.02	0.894881	0.935259	AT5G26114	hypothetical protein
13436916	1.71	1.7	1.01	0.925105	0.954836	CYP71A24	cytochrome P450 71A24
13393373	1.71	1.74	-1.02	0.930476	0.957579	AT2G16575	hypothetical protein
13353709	1.71	1.75	-1.03	0.681074	0.788594		
13509834	1.71	1.78	-1.05	0.77031	0.850272	LCR28	defensin-like protein 130
13484085	1.71	1.81	-1.08	0.589255	0.726702	AT4G13575	hypothetical protein
13397432	1.71	1.83	-1.09	0.244596	0.535161	AT2G26490	WD40 domain-containing protein
13371727	1.71	1.86	-1.1	0.307685	0.565966	AT1G23600	hypothetical protein
13426282	1.71	1.85	-1.1	0.538822	0.691782	AT3G09975	hypothetical protein
13507394	1.71	1.85	-1.11	0.377836	0.594163	AT5G35737	hypothetical protein
13541421	1.71	1.89	-1.13	0.352471	0.583127	UGT76E1	UDP-glucosyl transferase 76E1
13383815	1.71	1.94	-1.18	0.237796	0.531954	AT1G66060	hypothetical protein
13512932	1.71	1.95	-1.18	0.090406	0.427332	AT5G50030	plant invertase/pectin methylesterase inhibitor domain-containing protein
13452914	1.71	2	-1.22	0.118257	0.448212	DVL21	DVL family protein

13492523	1.71	2.07	-1.29	0.06509	0.401596	AT4G32580	thioredoxin family protein
13482598	1.71	2.09	-1.3	0.301729	0.563858	AT4G09860	hypothetical protein
13394554	1.71	2.11	-1.31	0.151889	0.47404	AT2G19360	hypothetical protein
13399259	1.71	2.18	-1.38	0.179398	0.494949	AT2G31215	basic helix-loop-helix domain-containing protein
13399367	1.71	2.17	-1.38	0.466565	0.645004	AT2G31432	plant invertase/pectin methylesterase inhibitor domain-containing protein
13480017	1.71	2.53	-1.77	0.320692	0.570934	AT4G00390	DNA-binding storekeeper protein-related transcriptional regulator
13455285	1.71	2.66	-1.93	0.30514	0.565001	AT3G30222	hypothetical protein
13538084	1.71	2.69	-1.97	0.305643	0.565001	AT5G50910	hypothetical protein
13375566	1.71	3.12	-2.65	0.38707	0.598595	AT1G34825; AT1G34820; AT1G34805; AT1G34800; AT1G34795; AT1G34830; AT1G34815; AT1G34810; AT1G34860; AT1G34792; AT1G34930; AT1G34840; AT1G34850	Plant thionin family protein
13491049	1.7	1.53	1.12	0.197024	0.507661	LCR27	defensin-like protein 161
13456666	1.7	1.63	1.05	0.481178	0.652722	AT3G46206	hypothetical protein
13423915	1.7	1.68	1.01	0.956546	0.97434	AT3G03826	hypothetical protein
13479314	1.7	1.73	-1.02	0.863009	0.914522	SAUR15	SAUR-like auxin-responsive protein
13386607	1.7	1.81	-1.08	0.42858	0.622395	LBD7	LOB domain-containing protein 7
13429395	1.7	1.89	-1.14	0.433133	0.625192	AT3G17080	self-incompatibility S1 family protein
13534853	1.7	1.97	-1.21	0.231207	0.527791	AT5G43240	hypothetical protein
13491113	1.7	2.07	-1.29	0.166588	0.486784	AT4G29470	Phospholipase A2 family protein
13375582	1.7	2.12	-1.34	0.231825	0.528276	AT1G35035	Plant thionin family protein
13428096	1.7	2.36	-1.58	0.274127	0.550583	AT3G14420	putative peroxisomal (S)-2-hydroxy-acid oxidase 2
13529713	1.7	2.76	-2.09	0.350572	0.582019	AT5G23027	hypothetical protein
13513375	1.7	2.87	-2.25	0.3201	0.570636	AT5G51105	hypothetical protein
13492281	1.7	3.2	-2.83	0.394338	0.602714	AT4G32110	beta-1,3-N-Acetylglucosaminyltransferase family protein
13502851	1.69	1.44	1.19	0.270832	0.548553	AT5G18060	SAUR-like auxin-responsive protein
13392057	1.69	1.47	1.16	0.237258	0.531342	AT2G06166	putative defensin-like protein 305
13375121	1.69	1.52	1.12	0.478646	0.651452		
13410894	1.69	1.7	-1.01	0.475368	0.649523	AT2G20465	defensin-like protein 103
13373698	1.69	1.75	-1.04	0.552156	0.701072	AT1G29430	SAUR-like auxin-responsive protein
13434234	1.69	1.81	-1.09	0.46647	0.645004	AT3G28190	hypothetical protein
13462769	1.69	1.86	-1.12	0.201188	0.510163	AT3G61230; AT3G61220	GATA type zinc finger transcription factor family protein; (+)-neomenthol dehydrogenase
13439900	1.69	1.97	-1.21	0.168395	0.487177	AT3G55677	self-incompatibility S1 family protein
13493911	1.69	1.97	-1.22	0.190366	0.503959	AT4G35725	hypothetical protein

13371124	1.69	2.01	-1.26	0.44692	0.634054	AT1G22100	Inositol-pentakisphosphate 2-kinase-like protein
13478866	1.69	2.06	-1.29	0.29588	0.561265	HHP4	heptahelical protein 4
13534985	1.69	2.08	-1.31	0.285314	0.556359	AT5G43490	hypothetical protein
13344833	1.69	2.19	-1.41	0.399952	0.605797	AT1G26796	self-incompatibility protein S1-like protein
13533245	1.69	2.25	-1.48	0.391449	0.600804	AT5G38420	ribulose bisphosphate carboxylase small chain 2B
13472007	1.69	2.43	-1.67	0.067893	0.405979	AT4G22180	putative F-box protein
13489520	1.69	2.52	-1.77	0.24644	0.535608	ADF7	actin depolymerizing factor 7
13375570	1.69	2.61	-1.89	0.430192	0.623122	AT1G34830; AT1G34815; AT1G34810; AT1G34795; AT1G34792; AT1G34825; AT1G34820; AT1G34805; AT1G34800; AT1G34840; AT1G34850; AT1G34860; AT1G34930	Plant thionin family protein
13512233	1.68	1.59	1.07	0.741591	0.830209	LCR1	defensin-like protein 147
13388729	1.68	1.6	1.06	0.477611	0.650814	AT1G77682	Plant thionin family protein
13398034	1.68	1.66	1.02	0.861869	0.913957	AT2G28020	hypothetical protein
13348032	1.68	1.71	-1.02	0.688648	0.793951	AT1G35365	hypothetical protein
13427620	1.68	1.71	-1.02	0.577024	0.71734	sks13	protein SKU5-like 13
13506978	1.68	1.73	-1.03	0.820002	0.884852	AT5G28885	hypothetical protein
13345570	1.68	1.74	-1.04	0.1836	0.498367	AT1G28375	hypothetical protein
13417969	1.68	1.74	-1.04	0.731381	0.824267	AT2G36940	hypothetical protein
13367500	1.68	1.79	-1.08	0.77626	0.854364	AT1G13485	hypothetical protein
13477829	1.68	1.79	-1.08	0.699941	0.8026	AT4G35165	hypothetical protein
13344914	1.68	1.82	-1.09	0.491769	0.659576		
13383933	1.68	1.89	-1.16	0.577496	0.717699	AT1G66300	putative F-box/FBD/LRR-repeat protein
13483816	1.68	1.89	-1.16	0.279459	0.553746	RALFL30	protein RALF-like 30
13502841	1.68	1.89	-1.16	0.680924	0.788544	AT5G18030	SAUR-like auxin-responsive protein
13456741	1.68	1.91	-1.17	0.073215	0.40905	AT3G46390	hypothetical protein
13433889	1.68	1.99	-1.24	0.227036	0.52549	AT3G27331	self-incompatibility S1 family protein
13536893	1.68	2.11	-1.35	0.044941	0.374597	AT5G48270	hypothetical protein
13337215	1.68	2.23	-1.47	0.053531	0.383984	AT1G08032	hypothetical protein
13455905	1.68	2.25	-1.48	0.057948	0.39275	AT3G44080	F-box protein
13433887	1.68	2.29	-1.53	0.470117	0.646758	AT3G27329	self-incompatibility S1 family protein
13350558	1.68	2.34	-1.59	0.064859	0.401596	AT1G50930	hypothetical protein
13540053	1.68	2.41	-1.67	0.213315	0.518061	AT5G56410	putative FBD-associated F-box protein
13447056	1.68	2.57	-1.85	0.449975	0.63543	UBQ8	polyubiquitin 8
13445002	1.68	2.68	-2	0.433379	0.625241	RLP31	receptor like protein 31
13374616	1.68	2.96	-2.42	0.236071	0.530423	AT1G31750	proline-rich family protein
13355456	1.68	3.32	-3.12	0.230956	0.527788	XTH17	xyloglucan:xyloglucosyl transferase
13486340	1.68	3.45	-3.4	0.395847	0.603697	AT4G17998	hypothetical protein

13414477	1.67	1.58	1.07	0.61069	0.74026	AT2G29170	Rossmann-fold NAD(P)-binding domain-containing protein
13390875	1.67	1.59	1.06	0.503568	0.667725	HB21	homeobox protein 21
13497170	1.67	1.63	1.03	0.805732	0.875308		
13455394	1.67	1.75	-1.05	0.671597	0.782116	AT3G31402	General transcription factor 2-related zinc finger protein
13456400	1.67	1.77	-1.07	0.404111	0.608529	AT3G45525	hypothetical protein
13347125	1.67	1.86	-1.14	0.310535	0.566973	LOL1	lsd one like 1 protein
13348621	1.67	1.86	-1.14	0.333926	0.576298	AT1G43171	hypothetical protein
13486224	1.67	1.91	-1.18	0.444213	0.63204	AT4G17713	defensin-like protein 306
13510041	1.67	1.97	-1.23	0.685769	0.792091	AT5G43510	defensin-like protein 213
13434172	1.67	1.99	-1.25	0.151615	0.473918	AT3G28070	nodulin MtN21 /EamA-like transporter family protein
13487299	1.67	2.01	-1.26	0.366588	0.590194	AT4G20790	leucine-rich repeat protein kinase-like protein
13407649	1.67	2.09	-1.34	0.126362	0.455512	AT2G04063	glycine-rich protein
13507678	1.67	2.18	-1.43	0.106855	0.439124	AT5G37160	tRNA-splicing endonuclease positive effector-related protein
13457438	1.67	3.12	-2.74	0.345382	0.580183	LCR48	defensin-like protein 51
13353707	1.66	1.55	1.09	0.116663	0.446833		
13376159	1.66	1.55	1.08	0.047476	0.37767	AT1G43667	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13392486	1.66	1.58	1.06	0.757956	0.841542	AT2G10450	14-3-3 family protein
13381767	1.66	1.61	1.03	0.826617	0.889679	AT1G61095	hypothetical protein
13343177	1.66	1.68	-1.01	0.858691	0.911839	AT1G21866	Plant thionin family protein
13466204	1.66	1.67	-1.01	0.975957	0.985612	AT4G08025	hypothetical protein
13350611	1.66	1.9	-1.18	0.623602	0.749079	AT1G51020	hypothetical protein
13344920	1.66	1.97	-1.23	0.56822	0.711281		
13467364	1.66	1.97	-1.24	0.41452	0.614187	AGL52	protein agamous-like 52
13371676	1.66	1.99	-1.26	0.074357	0.410455	AT1G23520	hypothetical protein
13448248	1.66	2.04	-1.3	0.143059	0.468992	scpl17	serine carboxypeptidase-like 17
13375552	1.66	2.34	-1.61	0.443642	0.631675	AT1G34795; AT1G34830; AT1G34815; AT1G34810; AT1G34792; AT1G34825; AT1G34820; AT1G34805; AT1G34800; AT1G34840; AT1G34850; AT1G34860; AT1G34930	Plant thionin family protein
13370068	1.66	2.59	-1.9	0.420038	0.617243	RL5	RAD-like 5 protein
13515251	1.66	2.61	-1.94	0.485506	0.655211	AT5G55132	defensin-like protein 85
13388781	1.66	2.81	-2.22	0.427808	0.621912	AT1G77815	hypothetical protein
13411143	1.66	4.49	-7.13	0.30261	0.563999	EPF1	protein EPIDERMAL PATTERNING FACTOR 1
13471621	1.65	1.38	1.2	0.144086	0.469334		

13466482	1.65	1.71	-1.04	0.045593	0.376103	AT4G08876	pyrophosphate--fructose-6-phosphate 1-phosphotransferase/pyrophosphate-dependent 6-phosphofructose-1-kinase-related protein
13345780	1.65	1.75	-1.07	0.832244	0.893749		
13396269	1.65	1.8	-1.11	0.414996	0.614247	CYP96A1	cytochrome P450, family 96, subfamily A, polypeptide 1
13417453	1.65	1.83	-1.13	0.659036	0.774207	OFP15	ovate family protein 15
13536361	1.65	2.12	-1.39	0.066577	0.403684	AT5G46890	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13376195	1.65	2.35	-1.63	0.423907	0.619486	ARF23	auxin response factor 23
13526376	1.65	2.38	-1.66	0.30287	0.564028	AT5G15040	paired amphipathic helix repeat-containing protein
13482096	1.65	3.32	-3.18	0.406798	0.609755	AT4G07526	hypothetical protein
13536365	1.65	4.01	-5.12	0.341894	0.57877	AT5G46900	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13396932	1.64	1.4	1.19	0.154811	0.477818	LCR81	putative defensin-like protein 80
13408688	1.64	1.5	1.1	0.450056	0.635445	AT2G13542	putative defensin-like protein 62
13392973	1.64	1.74	-1.07	0.195702	0.506527	AT2G14710	F-box protein
13455405	1.64	1.76	-1.08	0.387035	0.598595	AT3G31910	hypothetical protein
13527267	1.64	1.75	-1.08	0.694677	0.798647	AT5G17110	cystatin-related protein
13344842	1.64	1.84	-1.14	0.290914	0.558817	AT1G26799	self-incompatibility protein S1-like protein
13505867	1.64	1.87	-1.18	0.098515	0.433275		
13528158	1.64	1.99	-1.28	0.304572	0.565001	AT5G19175	putative defensin-like protein 48
13452676	1.64	2.35	-1.64	0.13277	0.462428	AT3G22720	F-box and associated interaction domain-containing protein
13456498	1.64	2.57	-1.9	0.491948	0.659692	AT3G45790	protein kinase-related protein
13484181	1.64	3.16	-2.85	0.419037	0.616626	AT4G13790	SAUR-like auxin-responsive protein
13455334	1.63	1.54	1.07	0.701652	0.803692	AT3G30391	hypothetical protein
13455500	1.63	1.53	1.07	0.677266	0.786156	AT3G33528	hypothetical protein
13481998	1.63	1.73	-1.07	0.462642	0.643006	AT4G05630	hypothetical protein
13348630	1.63	1.82	-1.14	0.144011	0.469307	AT1G43330	myb family protein-like protein
13348040	1.63	1.82	-1.15	0.647073	0.765079	AT1G35410	hypothetical protein
13504899	1.63	1.99	-1.28	0.389079	0.599658	AT5G23470	haloacid dehalogenase-like hydrolase domain-containing protein
13487087	1.63	2.04	-1.33	0.041769	0.368024	LCR38	defensin-like protein 164
13345843	1.63	2.47	-1.78	0.035668	0.356207	AT1G29490	SAUR-like auxin-responsive protein
13498516	1.63	2.65	-2.02	0.001113	0.242634	PGIP2	Polygalacturonase inhibitor 2
13502585	1.63	2.71	-2.11	0.022342	0.326812	GSTF12	glutathione S-transferase phi 12
13537007	1.62	1.46	1.12	0.368824	0.59119	AT5G48515	putative defensin-like protein 221
13472281	1.62	1.75	-1.09	0.331337	0.576012	AT4G23080	hypothetical protein
13444250	1.62	1.77	-1.11	0.046995	0.377465	AT3G03730	putative F-box protein
13455579	1.62	1.8	-1.14	0.29817	0.562461	AT3G42565	ECA1 gametogenesis related family protein
13407583	1.62	1.91	-1.23	0.239982	0.53281	AT2G03750	P-loop containing nucleoside triphosphate hydrolase-like protein
13507897	1.62	2.07	-1.36	0.018879	0.321499	AT5G37960	GroES-like family protein
13483928	1.62	2.06	-1.36	0.201238	0.510163	TPS13	terpenoid synthase 13
13451549	1.62	2.1	-1.39	0.100056	0.434569	AT3G19880	F-box protein
13349359	1.62	2.13	-1.42	0.011007	0.297771	AT1G47780	estrase/lipase domain-containing protein

13444535	1.62	2.13	-1.42	0.130719	0.460628	AT3G04390	Aldehyde oxidase/xanthine dehydrogenase, molybdopterin binding protein
13488399	1.62	2.22	-1.52	0.145504	0.470149	CRK13	cysteine-rich receptor-like protein kinase 13
13348519	1.62	2.29	-1.6	0.412501	0.61329	AT1G42680	myosin and kinesin motor domain-containing protein
13487463	1.62	2.3	-1.6	0.399511	0.605391	AT4G21216	hypothetical protein
13357846	1.62	2.94	-2.5	0.281015	0.554564	AT1G71320	F-box protein
13369822	1.62	3.58	-3.88	0.313732	0.568024		
13419537	1.61	1.4	1.16	0.113846	0.444797	AT2G40745	hypothetical protein
13531640	1.61	1.63	-1.01	0.950681	0.970649	AGL90	agamous-like MADS-box protein AGL90
13534327	1.61	1.79	-1.13	0.117808	0.447779	AT5G41720	hypothetical protein
13535393	1.61	1.93	-1.25	0.292157	0.559482	PDF1.2c	defensin-like protein 17
13426974	1.61	2.39	-1.72	0.353591	0.583778	AT3G11825	bifunctional inhibitor/plant lipid transfer protein/seed storage-like protein
13434935	1.61	2.72	-2.16	0.377551	0.594118	AT3G42310	hypothetical protein
13441198	1.61	3.16	-2.93	0.149834	0.472651	AT3G59170	putative F-box/LRR-repeat protein
13545431	1.6	1.45	1.11	0.48138	0.652743		
13545439	1.6	1.45	1.11	0.48138	0.652743		
13391476	1.6	1.59	1.01	0.968838	0.981913	AT2G04115	self-incompatibility S1 family protein
13406874	1.6	1.7	-1.07	0.008452	0.293015	AT2G01560	hypothetical protein
13349399	1.6	1.69	-1.07	0.055316	0.387527	AT1G47915	F-box protein
13377418	1.6	1.7	-1.07	0.25682	0.540953	LCR16	defensin-like protein 124
13343167	1.6	1.8	-1.15	0.589494	0.726742	AT1G21835	Plant thionin family protein
13434331	1.6	1.93	-1.25	0.051353	0.382129	AT3G28600	AAA-type ATPase family protein
13489479	1.6	2.04	-1.35	0.189309	0.503111	CBF1	dehydration-responsive element-binding protein 1B
13465924	1.6	2.37	-1.71	0.320746	0.570934	MYB74	myb domain protein 74
13492265	1.59	1.49	1.07	0.383571	0.597744	AT4G32080	hypothetical protein
13379168	1.59	1.53	1.04	0.566895	0.710827		
13467145	1.59	1.58	1.01	0.788331	0.862877	LCR2	putative defensin-like protein 145
13477317	1.59	2.14	-1.46	0.459473	0.640671		
13402266	1.59	2.22	-1.55	0.034169	0.354359	PDX1L4	putative PDX1-like protein 4
13474554	1.59	2.3	-1.65	0.397114	0.604224	AT4G28160	hydroxyproline-rich glycoprotein family protein
13412549	1.59	2.4	-1.74	0.190015	0.503729	AT2G24780	hypothetical protein
13452012	1.59	3.08	-2.81	0.366769	0.590246	LCR55	putative defensin-like protein 121
13373070	1.58	1.46	1.08	0.714461	0.812276	AT1G27890	putative CCR4-associated factor 1-4
13440727	1.58	1.48	1.07	0.307292	0.56579	AT3G57850	hypothetical protein
13499454	1.58	1.52	1.04	0.570591	0.713022		
13462742	1.58	1.66	-1.05	0.813075	0.880541	LCR53	putative defensin-like protein 119
13434674	1.58	1.69	-1.08	0.370153	0.591914	AT3G29797	hypothetical protein
13349027	1.58	1.84	-1.2	0.063273	0.399267	AT1G45215	hypothetical protein
13431676	1.58	1.85	-1.2	0.301066	0.563852	AT3G22090	hypothetical protein
13417804	1.58	1.91	-1.26	0.347729	0.580591	UGT73C6	flavonol-3-O-glycoside-7-O-glucosyltransferase 1
13349369	1.58	2.11	-1.44	0.105574	0.437428	AT1G47800	putative F-box protein
13410497	1.58	3.85	-4.81	0.356564	0.584728		
13527674	1.57	1.53	1.02	0.237973	0.532006	AT5G18020	SAUR-like auxin-responsive protein
13464189	1.57	1.69	-1.09	0.669582	0.780746	AT4G00960	protein kinase family protein
13474747	1.57	1.7	-1.1	0.306855	0.565657	RIC7	PAK-box/P21-Rho-binding family protein

13539470	1.57	1.76	-1.14	0.27319	0.54985	AT5G54745	putative Do-like 15 protein
13356491	1.57	2.64	-2.09	0.358581	0.585867	AT1G68110	putative clathrin assembly protein
13467925	1.56	1.67	-1.08	0.204846	0.511721	AT4G12825	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13521313	1.56	1.95	-1.31	0.015088	0.313401	AT5G02700	putative F-box/LRR-repeat protein
13361660	1.56	2.04	-1.39	0.363423	0.588673	AT1G80745	Transcription factor TFIIIC, tau55-related protein
13349047	1.56	2.66	-2.15	0.035031	0.355472		
13350542	1.56	2.67	-2.15	0.070667	0.407344	AT1G50870	putative F-box protein
13401678	1.55	1.48	1.05	0.642754	0.761811	AT2G36815	hypothetical protein
13371851	1.55	1.51	1.03	0.796077	0.86865	AT1G23910	Polyketide cyclase/dehydrase and lipid transport superfamily protein
13357184	1.55	1.54	1.01	0.947709	0.968791		
13345851	1.55	1.65	-1.07	0.59184	0.727969	SAUR68	SAUR-like auxin-responsive protein
13392749	1.55	1.82	-1.21	0.144045	0.469307	AT2G13720	putative DNA topoisomerase II
13490422	1.55	1.87	-1.25	0.251574	0.538526	AT4G27570	UDP-glycosyltransferase-like protein
13491108	1.55	1.96	-1.33	0.368534	0.590997	AT4G29460	Phospholipase A2 family protein
13372796	1.54	1.63	-1.06	0.794521	0.867382		
13435258	1.54	1.73	-1.14	0.229449	0.526986	AT3G43910	hypothetical protein
13513205	1.54	1.75	-1.15	0.762297	0.844184		
13469174	1.54	1.79	-1.19	0.098976	0.433702	AT4G15630	hypothetical protein
13403490	1.54	1.83	-1.23	0.128258	0.458363	AT2G40955	hypothetical protein
13375916	1.54	1.86	-1.25	0.049503	0.378802	AT1G37162	hypothetical protein
13373694	1.54	2.19	-1.57	0.055836	0.388357	AT1G29420	putative auxin-responsive protein
13410511	1.53	1.45	1.06	0.475914	0.649794	AT2G19802	hypothetical protein
13430173	1.53	1.54	-1.01	0.884517	0.929491	RTFL20	protein rotundifolia like 20
13501660	1.53	1.58	-1.04	0.762516	0.844325	AT5G14990	hypothetical protein
13461550	1.53	1.62	-1.07	0.573437	0.715245	AT3G58340	TRAF-like family protein
13353126	1.53	1.78	-1.2	0.392352	0.601578	AT1G57760	hypothetical protein
13381942	1.51	1.48	1.02	0.608965	0.738922	AT1G61475	ATP binding / protein kinase
13412627	1.51	1.49	1.01	0.949554	0.969914		
13423923	1.51	1.5	1.01	0.951401	0.971037	AT3G03840	SAUR-like auxin-responsive protein
13463477	1.51	1.54	-1.02	0.824761	0.888228	AT3G62907	hypothetical protein
13499452	1.51	1.58	-1.05	0.57053	0.713022		
13545691	1.5	1.36	1.1	0.476369	0.650021	AT1G77910	hypothetical protein
13375319	1.5	1.56	-1.04	0.759468	0.842451	AT1G33940	hypothetical protein
13532642	1.5	1.7	-1.15	0.250003	0.537401	AT5G36659	ECA1 gametogenesis related family protein
13442002	1.5	1.89	-1.31	0.073175	0.408907	AT3G60961	uridylate kinase-like protein
13455792	1.49	1.47	1.02	0.903283	0.940802	AT3G43572	hypothetical protein
13510330	1.49	1.79	-1.23	0.320821	0.570934	PHB7	prohibitin 7
13408705	1.49	1.84	-1.27	0.075341	0.410503	AT2G13640	transcription factor IIS-like protein
13430310	1.48	1.56	-1.06	0.646025	0.764325		
13418656	1.48	1.92	-1.35	0.116559	0.446833	AT2G38690	hypothetical protein
13344916	1.48	2.41	-1.91	0.042093	0.368598	AT1G26976	hypothetical protein
13375955	1.47	1.63	-1.11	0.641821	0.761281	AT1G40087	Plant transposase (Ptta/En/Spm family)
13392590	1.47	3.92	-5.47	0.404188	0.608529	AT2G12280	P-loop containing nucleoside triphosphate hydrolase-like protein

13532602	1.46	2.94	-2.79	0.449822	0.635429	AT5G36360; AT5G36470; AT5G36460; AT5G36450; AT5G36440; AT5G36430; AT5G36420; AT5G36410; AT5G36400; AT5G36390; AT5G36380; AT5G36350	ECA1 gametogenesis related family protein
13466267	1.44	1.65	-1.15	0.204393	0.511349	AT4G08267	hAT dimerization domain-containing protein - like protein
13376375	1.43	1.89	-1.38	0.017725	0.319218	PME7	putative pectinesterase 57
13545725	1.42	1.49	-1.05	0.678691	0.78733	AT2G30925	hypothetical protein
13534751	1.41	1.65	-1.18	0.378037	0.594228	AT5G42955	hypothetical protein
13396261	1.39	1.39	-1.01	0.975334	0.985277	AT2G23148	self-incompatibility S1 family protein
13472076	1.39	1.63	-1.18	0.009897	0.296261	AT4G22513	bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein
13455454	1.39	4.57	-9.05	0.395721	0.603602	AT3G32410	hypothetical protein
13527682	1.37	1.45	-1.05	0.540466	0.692587	AT5G18050	SAUR-like auxin-responsive protein
13405173	1.37	2.4	-2.05	0.300445	0.563307		
13510047	1.36	1.51	-1.11	0.554956	0.702964	AT5G43518	defensin-like protein 216
13533250	1.3	1.88	-1.49	0.380849	0.596123	AT5G38430	ribulose bisphosphate carboxylase small chain 1B
13399123	1.18	1.41	-1.18	0.450201	0.635555	AT2G30925	hypothetical protein