

Cluster 2. 1647 genes					
Probe	ID	Sample 1	Sample 2	Sample 3	Sample 4
LHY	AT1G01060	5.276358	5.2757454	3.1065438	3.327796
AT1G01350	AT1G01350	3.3559453	3.268031	2.8672073	2.8938057
AT1G01390	AT1G01390	1.7687211	1.6713142	-0.5811415	-0.030217782
LEA14	AT1G01470	4.250301	4.4681067	3.7629168	3.7535965
AT1G01520	AT1G01520	-0.756357	-0.83245426	-3.1642218	-3.5260155
AT1G02020	AT1G02020	2.821479	2.6599967	1.8299459	1.9658113
CER1	AT1G02205	3.2484646	3.4659503	1.968223	2.2865198
AT1G02260	AT1G02260	2.9134028	2.85265	1.3714876	1.3252298
AT1G02330	AT1G02330	3.4550793	3.540241	3.0654862	3.1591008
ATGA2OX4	AT1G02400	1.3448672	1.9940726	0.67480654	1.531191
SAM1	AT1G02500	7.770611	7.8061576	6.7966003	6.8531265
MCCA	AT1G03090	4.522342	4.3652797	4.0097985	3.9664295
PSAD-2	AT1G03130	7.160349	7.4307632	6.269858	6.4395537
AT1G03180	AT1G03180	1.0633241	0.9681864	0.22163944	0.23703583
AT1G03200	AT1G03200	-0.082628615	-0.40898296	-3.1075802	-4.438338
AT1G03440	AT1G03440	2.1459591	2.190756	1.5653996	1.7526733
AT1G03550	AT1G03550	1.9073381	1.9495512	0.12948285	0.02725032
PSB27	AT1G03600	6.4989743	6.6509337	5.899634	5.809946
SOM	AT1G03790	-0.989837	-1.2334343	-4.3532352	-3.4753478
AT1G03820	AT1G03820	2.864356	3.0039768	1.5004063	1.538939
AXR3	AT1G04250	3.860979	4.0448813	3.4552193	3.584996
AT1G04280	AT1G04280	4.323622	4.316036	3.8840485	3.876619
AT1G04350	AT1G04350	3.3299778	3.430848	2.7952392	2.5847256
AT1G04420	AT1G04420	5.37975	5.330238	5.0974355	5.086329
AT1G04530	AT1G04530	4.077579	4.216084	3.8638601	3.9563198
IAA12	AT1G04550	3.2322493	3.2626238	2.8630943	2.6816304
AAO4	AT1G04580	0.19372058	-0.45372185	-4.598891	-5.017326
AT1G04680	AT1G04680	4.5536137	4.628989	4.2667556	4.2586274
AT1G04800	AT1G04800	4.4315653	4.3573565	3.7342026	3.8057058
AT1G05870	AT1G05870	3.5603392	3.7860167	3.0791178	3.1188786
ADS1	AT1G06080	4.6249843	5.3476577	2.2691605	3.0947018
AT1G06100	AT1G06100	0.050790414	0.74084306	-2.1109314	-1.9802057
AT1G06265	AT1G06265	1.6062325	1.3998961	0.42634344	0.28635648
FTSH8	AT1G06430	4.5648675	4.613191	4.1934733	4.0380816
ATGPAT1	AT1G06520	0.24824484	0.5804747	-1.092782	-0.7025756
PDS1	AT1G06570	3.9690495	4.135377	3.141929	3.1707268
PSBP-1	AT1G06680	9.996524	10.154999	9.419144	9.428997
AT1G07010	AT1G07010	4.2724414	4.2295556	3.2849236	3.2152042
ATNDI1	AT1G07180	3.0190544	2.9778776	1.5633892	1.2976009
UGT71C4	AT1G07250	3.5849617	3.7401135	3.21304	3.3071268
UGT71C3	AT1G07260	2.050154	2.2381747	1.5200524	1.7515622
RPL4	AT1G07320	7.531504	7.499988	7.274325	7.24064
APK1A	AT1G07570	4.00238	4.086887	3.1654148	3.1277287
ATDSI-1VOC	AT1G07645	-1.9520565	-2.3407438	-4.9828916	-5.0679936
AT1G07660	AT1G07660	3.674553	3.8378525	2.7390738	2.8436134
AT1G07700	AT1G07700	3.9305823	3.9957879	3.2475674	3.2135727
AT1G08110	AT1G08110	5.0605474	5.1372643	4.808233	4.809052

PSAO	AT1G08380	8.884544	9.165508	8.440413	8.483335
ALMT1	AT1G08430	1.2576913	1.5788027	-0.3781879	0.31050277
PRA1.E	AT1G08770	2.7758358	2.8490322	2.1874952	2.3732865
MYB60	AT1G08810	2.286359	2.3353689	1.8807826	1.8897775
ATSRP30	AT1G09140	4.848641	4.8498096	4.3307395	4.238519
CRB	AT1G09340	7.3758883	7.501429	6.52998	6.437378
G6PD4	AT1G09420	4.8356056	4.744595	4.5799727	4.496096
GLP5	AT1G09560	5.0196366	5.1124287	4.4923816	4.6868973
PHYA	AT1G09570	7.062406	6.7447877	6.307978	6.197254
POLD4	AT1G09815	3.2146168	3.233054	2.535764	2.6202855
AT1G09995	AT1G09995	0.9210567	0.96280384	0.1829979	-0.10767271
ATBCAT-1	AT1G10060	3.5305412	3.6734295	2.6358993	2.9285686
ASK18	AT1G10230	2.5577471	2.4665844	2.0027754	2.0111
ATGSTU18	AT1G10360	3.1478946	3.2323513	2.7023256	2.5605857
XTH33	AT1G10550	0.6285324	0.51110554	-0.39373362	-0.5033881
AT1G10640	AT1G10640	1.8438392	2.0982997	0.8859484	0.89926225
ATFD1	AT1G10960	7.0047956	7.060036	6.1623425	6.045187
STP1	AT1G11260	5.590107	5.6836476	5.0731764	5.2244234
AT1G11270	AT1G11270	1.6150976	1.5061716	0.19779599	0.59335166
AT1G11280	AT1G11280	4.0130267	3.8734238	-0.95778745	-1.0619098
AT1G11800	AT1G11800	2.598836	2.546872	2.1178882	2.0111
AT1G11860	AT1G11860	8.245297	8.245106	7.6635213	7.5942664
AT1G12080	AT1G12080	4.3120136	4.647051	3.8074172	4.1870885
AT1G12230	AT1G12230	5.922068	5.9578743	5.236141	5.269694
AT1G12250	AT1G12250	4.206986	4.3554955	3.969162	3.9314106
AT1G12340	AT1G12340	1.5130358	1.5888461	-4.9828916	-5.0679936
AT1G12530	AT1G12530	1.8230604	1.8978745	1.1936721	1.2528405
AT1G12730	AT1G12730	1.8525425	1.6237849	0.82035875	0.7370114
RBL6	AT1G12750	3.4430342	3.3573875	1.8659259	1.8500484
AT1G12850	AT1G12850	3.9316292	4.062454	3.2610238	3.3722827
GAPA-2	AT1G12900	8.443881	8.559239	7.875318	7.7846055
RTFL17	AT1G13245	3.8479793	4.0219107	3.4430234	3.3455207
AT1G13640	AT1G13640	4.628429	4.5863166	3.911	3.8487816
AT1G13750	AT1G13750	2.27259	2.2407253	1.4789772	1.6364931
AT1G13780	AT1G13780	1.2593818	1.3352634	0.5875774	0.4570438
EIF-5A	AT1G13950	2.6385088	2.6797645	2.1116438	2.1984928
AT1G14120	AT1G14120	4.119745	4.311704	3.5390856	3.6194458
PQL1	AT1G14150	3.723429	3.6676025	3.3082523	3.08932
PKS2	AT1G14280	4.1663775	4.1979146	3.6740806	3.7350051
AT1G14345	AT1G14345	4.8247476	4.8365316	4.360423	4.2291226
MIOX1	AT1G14520	1.3137106	1.3820165	-4.598891	-3.0347052
AT1G14600	AT1G14600	1.887977	1.7348524	0.73049355	0.36035243
PAP3	AT1G14700	5.184611	5.3306127	4.625383	4.4625497
HMGA	AT1G14900	4.4759326	4.370428	3.6750717	3.6413605
GAI	AT1G14920	3.9041083	4.317985	3.3618946	3.7375536
AT1G14930	AT1G14930	1.7846318	2.4389837	-0.93262404	0.2028955
LHCB6	AT1G15820	9.487915	9.734681	8.759326	8.855369
NDF1	AT1G15980	5.427585	5.4117355	4.7357235	4.5511527
AT1G16080	AT1G16080	4.7470703	4.689549	4.4129734	4.2787666
AT1G16720	AT1G16720	5.7048593	5.830068	5.267511	5.226751

UP6	AT1G16730	-0.3519003	-0.41362372	-1.9496031	-2.1926823
SPS2	AT1G17050	3.4353611	3.5044022	2.8082075	2.7443612
ICR1	AT1G17140	4.171723	4.172789	3.840779	3.6836774
AT1G17145	AT1G17145	2.153057	2.1675763	1.4971843	1.3848443
AtRLP2	AT1G17240	-2.4062464	-2.4049587	-4.9828916	-5.0679936
AT1G17255	AT1G17255	0.8135109	0.55869436	-0.42278734	-0.35675073
AHA10	AT1G17260	0.4025084	-0.0631137	-1.2716485	-1.3756119
EER4	AT1G17440	3.9084256	3.8735654	3.58212	3.5229805
GLYR2	AT1G17650	4.4500027	4.4285855	4.130241	3.9531374
ATEGY3	AT1G17870	1.0998869	1.303574	0.30733994	-0.04399912
AT1G18060	AT1G18060	4.4224706	4.6400924	3.784722	3.7994006
E12A11	AT1G18100	1.4665381	0.9648356	0.3254468	0.24197471
AT1G18460	AT1G18460	4.014386	3.920101	3.5855808	3.408432
AT1G18620	AT1G18620	4.4839444	4.404642	4.1784563	4.0696673
AT1G18720	AT1G18720	5.194411	5.1985893	4.6007714	4.564654
NDF6	AT1G18730	4.288553	4.4363785	4.023016	3.8915138
ICS2	AT1G18870	1.5598063	1.9851652	-0.07798404	0.47791445
GLP4	AT1G18970	0.077097766	0.5820304	-4.2148895	-3.4753478
AT1G18980	AT1G18980	2.6346905	3.5820093	1.9944333	2.5175638
AT1G19150	AT1G19150	3.2206516	3.103548	2.7544339	2.7269783
AT1G19540	AT1G19540	1.0811412	1.2053715	0.08377582	0.29105476
DHAR1	AT1G19570	6.922959	6.9656944	6.6222367	6.6381645
AT1G19660	AT1G19660	4.941384	4.98801	4.572561	4.6176033
TGD1	AT1G19800	4.3628945	4.394826	4.1251283	4.0311294
HYD1	AT1G20050	4.7332344	4.7798553	4.3732452	4.433008
AT1G20070	AT1G20070	2.0701973	2.3063333	1.538612	1.7292103
AT1G20340	AT1G20340	9.728454	9.867158	9.16139	9.1418085
AT1G20390	AT1G20390	2.9599984	2.445771	-4.9828916	-5.0679936
AT1G20400	AT1G20400	1.4043821	1.298318	-4.9828916	-5.0679936
AT1G20650	AT1G20650	3.21929	3.066674	2.7466595	2.6115086
AT1G20810	AT1G20810	4.125152	4.0694394	3.6463044	3.553016
XCP2	AT1G20850	4.1361985	4.0668664	3.7018297	3.6976588
AT1G21050	AT1G21050	3.8681357	3.9027426	3.3724003	3.3740876
AT1G21060	AT1G21060	3.3150883	2.9032078	2.9733198	2.1921294
AT1G21065	AT1G21065	4.7476115	4.8959255	4.426989	4.462837
AT1G21480	AT1G21480	2.919304	2.9741213	2.5571454	2.5089219
AT1G21500	AT1G21500	5.542612	5.743688	5.150702	5.1427994
AT1G21830	AT1G21830	3.5243409	3.5433939	2.6696393	2.722972
ATPIP5K1	AT1G21980	4.0551186	3.8255224	3.6410677	3.4234188
emb2204	AT1G22090	1.0722646	1.0134404	-4.9828916	-5.0679936
AT1G22440	AT1G22440	3.7788918	4.0025077	3.0692518	3.3938649
AT1G22850	AT1G22850	5.0186143	5.054624	4.6941853	4.608319
AT1G22900	AT1G22900	0.86247903	0.9890072	-2.333604	-2.2568972
AT1G22980	AT1G22980	0.38889715	0.3870521	-0.98192364	-1.4370867
AT1G23110	AT1G23110	-0.7112344	-0.9528883	-3.4409134	-3.1926823
AT1G23130	AT1G23130	5.6951613	5.7404904	0.43869925	0.8143882
AT1G23205	AT1G23205	1.6816059	1.3153285	0.6263024	-0.03602195
GGT1	AT1G23310	8.686463	8.668411	7.980597	7.7880635
AT1G23340	AT1G23340	1.2670165	1.2554414	0.11705252	0.06273534
KNAT6	AT1G23380	1.3786584	1.5396543	0.6891429	0.5960918

AT1G23410	AT1G23410	2.7281191	2.7678387	1.9556788	2.0650136
AT1G23560	AT1G23560	1.217631	1.2343074	0.31390074	0.20131119
AT1G23740	AT1G23740	5.2910266	5.3217196	4.7356305	4.614596
JP630	AT1G23760	1.4009081	1.2108016	-0.051309686	0.391909
AT1G23850	AT1G23850	1.8427196	1.9605083	0.6435546	0.56291324
AT1G24530	AT1G24530	4.0149207	3.679531	3.3622468	3.1597862
AT1G24610	AT1G24610	4.0317764	3.9250457	3.4033234	3.4431202
AtIDD16	AT1G25250	0.7123506	0.13486426	-1.0616318	-1.4727253
TEM1	AT1G25560	5.562197	5.5657277	5.161738	5.1922016
AT1G26220	AT1G26220	3.0696762	3.1089103	2.1804287	2.4135616
AT1G26250	AT1G26250	3.2002008	3.2754161	-0.2556599	-0.24002194
CIB5	AT1G26260	2.0415561	2.1396325	1.4341358	1.710896
BGLU40	AT1G26560	2.4166148	2.3954475	1.8091516	1.6787839
AT1G26761	AT1G26761	2.243173	2.4206793	1.8174671	1.6485629
ATEXPA10	AT1G26770	4.9884057	4.684269	4.6329556	4.1451097
KDR	AT1G26945	1.5453148	1.6041898	0.44057226	0.6247601
AT1G27340	AT1G27340	4.3521194	4.470549	4.0780315	4.0896134
AT1G27480	AT1G27480	4.661926	4.6503983	3.603182	3.6397064
AT1G28400	AT1G28400	5.540811	5.4295974	4.7680984	4.6884437
TBL38	AT1G29050	2.5193574	2.841972	1.9950784	2.2302139
AT1G29070	AT1G29070	6.6495304	6.7196975	6.48152	6.455588
AT1G29120	AT1G29120	4.454263	4.4916606	4.19594	4.17581
WAVE2	AT1G29170	3.0958703	2.7407706	2.5692623	2.3114967
AT1G29357	AT1G29357	2.0414946	1.9864634	1.56553	1.493134
AT1G29370	AT1G29370	4.1271152	3.965174	3.3888328	3.3722494
AT1G29465	AT1G29465	2.694617	2.5687048	2.3047028	1.9973959
AT1G29700	AT1G29700	3.5069802	3.6414783	2.855581	2.827428
AT1G29785	AT1G29785	2.0929377	2.1523902	0.4086403	0.30311558
AT1G29790	AT1G29790	3.5368679	3.5151453	2.9645903	2.8788397
AT1G29800	AT1G29800	1.794711	1.7868859	1.2483807	1.2442676
AT1G29810	AT1G29810	2.7703445	2.653849	1.3650374	1.331187
CAB2	AT1G29920	10.084759	10.281898	8.601492	8.75467
CAB1	AT1G29930	12.147845	12.264835	11.332122	11.421504
AT1G29950	AT1G29950	4.3049226	4.1310925	3.6285584	3.5624256
AT1G29951	AT1G29951	4.2313786	4.0858817	3.5533154	3.4940217
AT1G29952	AT1G29952	4.2313786	4.0858817	3.5533154	3.4940217
AT1G30290	AT1G30290	1.8095301	1.7764798	1.2117361	1.2798425
AT1G30320	AT1G30320	2.8546875	2.6722734	2.2252767	2.1167312
AT1G30370	AT1G30370	-0.748245	-0.6379022	-3.8308885	-3.613694
AT1G30380	AT1G30380	8.192164	8.4713745	7.4674854	7.5119133
ATRFNR2	AT1G30510	4.8658013	4.981688	4.5479236	4.6665044
UGT78D1	AT1G30530	4.2557397	4.229906	3.2282078	2.9558744
AT1G30590	AT1G30590	4.649816	4.474439	4.1294746	3.9455478
AT1G30760	AT1G30760	2.024353	2.0814989	1.1361928	1.1415894
SRX	AT1G31170	2.789417	2.8896952	2.4345543	2.4757516
AT1G31175	AT1G31175	1.9361401	2.0823636	0.97926235	0.74657875
PSAF	AT1G31330	9.225392	9.463681	8.80544	8.8425255
SGR2	AT1G31480	2.9145107	2.7981548	2.293335	2.2790995
AT1G31600	AT1G31600	1.1953211	1.2279085	-0.077935	-0.23887174
AT1G31920	AT1G31920	2.6052241	2.4571788	2.0556746	2.0132272

PRK	AT1G32060	8.304169	8.362245	7.657875	7.5763474
AT1G32080	AT1G32080	5.867948	5.909246	5.011211	5.0210457
AT1G32160	AT1G32160	4.8477187	4.8447895	4.401007	4.3390965
AT1G32220	AT1G32220	4.2008533	4.184557	3.8709333	3.8293905
NRT1.5	AT1G32450	5.541813	5.45445	5.0488086	5.1430554
AT1G32470	AT1G32470	7.2730446	7.3581376	6.5313325	6.469647
AT1G32520	AT1G32520	2.3870807	2.6065493	0.77267724	0.570956
LOL1	AT1G32540	3.4511087	3.415367	3.0608997	2.93709
AT1G32560	AT1G32560	-1.0519098	-1.6174355	-4.598891	-5.017326
AT1G32900	AT1G32900	4.16347	4.0811124	3.0242043	2.9438677
AT1G33055	AT1G33055	0.16941577	0.04165792	-1.7087809	-1.2925357
AT1G33102	AT1G33102	-1.4900928	-0.81108886	-4.9828916	-5.0679936
AT1G33470	AT1G33470	4.7779574	4.799442	4.524737	4.4794765
AT1G33480	AT1G33480	1.6594596	1.7866777	0.48346627	0.29105476
scpl18	AT1G33540	0.23980391	0.11644262	-4.9828916	-5.0679936
AT1G33590	AT1G33590	5.756086	5.8197227	5.5518737	5.4615703
AT1G33790	AT1G33790	5.086307	4.2955866	2.3394692	1.3007742
AT1G34020	AT1G34020	3.139597	3.2202618	2.5639052	2.6945667
AT1G34047	AT1G34047	0.498502	0.51454425	-4.9828916	-5.0679936
FAB1D	AT1G34260	3.360448	3.1619713	2.7939146	2.7751408
STOP1	AT1G34370	4.711397	4.83602	4.3491597	4.4558587
AT1G34418	AT1G34418	2.9595401	2.7973442	-4.932224	-4.438338
GRF11	AT1G34760	2.4121447	2.3417895	1.7350955	1.8143114
AT1G35250	AT1G35250	0.37132284	0.620201	-0.96798354	-0.6994222
AT1G35290	AT1G35290	-1.0057019	-0.7504673	-2.861925	-2.1926823
MLP168	AT1G35310	2.8116825	2.8538816	-0.8052833	-0.5160998
AT1G35560	AT1G35560	1.6246725	1.2488028	0.6942224	0.49360308
AT1G35680	AT1G35680	7.2234077	7.244017	6.8049736	6.8263097
AT1G35780	AT1G35780	3.814747	3.8222635	3.2506618	3.3256216
PMI1	AT1G42550	5.1266847	4.8492346	4.654763	4.4909983
AT1G42705	AT1G42705	3.268219	3.1409295	2.7850215	2.7464778
GAPB	AT1G42970	8.881822	8.916085	7.981439	7.93277
AtTLP5	AT1G43640	-0.14345066	-0.11128805	-4.598891	-4.633325
scpl44	AT1G43780	-0.55238384	1.01612	-4.932224	-5.0679936
AT1G44000	AT1G44000	4.358822	4.3849583	4.011893	3.959648
ALDH3H1	AT1G44170	4.609573	4.7791944	4.1780324	4.087934
CH1	AT1G44446	5.5793724	5.6643834	4.315185	4.431297
NPQ4	AT1G44575	8.58915	8.585281	7.938534	7.8554034
ATPUP11	AT1G44750	3.8713186	3.8080642	3.158395	3.1543987
AT1G45000	AT1G45000	5.617765	5.5807877	5.2439065	5.231422
AT1G45015	AT1G45015	0.6758171	0.8258578	-0.91134185	-2.2062294
AT1G45120	AT1G45120	1.7390741	1.6663157	-4.598891	-4.683993
ATTRX5	AT1G45145	5.0329556	5.2739644	4.5828915	4.923677
AT1G45163	AT1G45163	-1.0840327	-0.38409245	-4.9828916	-5.0679936
LHCA5	AT1G45474	5.163278	5.197528	4.7852707	4.6667795
VFB1	AT1G47056	1.9246082	1.868276	1.2173243	1.2448837
TLP6	AT1G47270	1.8460311	1.9223324	1.0523466	1.0753783
SDH5	AT1G47420	5.916056	5.9855027	5.715561	5.7281356
AT1G47670	AT1G47670	3.2302463	3.133775	2.7185433	2.7342284
AT1G47740	AT1G47740	4.1085477	4.1028867	3.864849	3.7566078

AGL102	AT1G47760	-1.7492952	-1.9615759	-4.9828916	-5.0679936
AT1G48100	AT1G48100	1.0709373	0.9055779	0.08405615	-0.22371872
ATPER1	AT1G48130	1.3685875	-0.34672943	-4.9828916	-5.0679936
AT1G48140	AT1G48140	2.147565	2.113948	0.76398975	0.9182453
AT1G48400	AT1G48400	-1.8643783	-1.9001011	-4.881556	-4.9666586
D-CDES	AT1G48420	4.722857	4.7070765	4.278398	4.3056927
AT1G48450	AT1G48450	5.2610035	5.2646217	5.0225563	4.9655266
GATB	AT1G48520	5.2324758	5.150515	5.0148864	4.821505
AT1G48860	AT1G48860	4.798763	4.8428497	4.5948486	4.6331
AT1G49010	AT1G49010	2.49936	2.3474681	2.04162	1.8297585
AT1G49032	AT1G49032	4.7490644	4.75599	3.3022754	3.2945874
AT1G49130	AT1G49130	3.0183334	2.6626608	2.3998415	1.9752597
AT1G49360	AT1G49360	1.9674253	2.1369038	1.4929894	1.3883291
AT1G49450	AT1G49450	0.034396186	0.14623414	-1.3667828	-1.0670258
AT1G50020	AT1G50020	3.8175724	3.9103098	3.410435	3.449221
TAS1B	AT1G50055	1.3354088	1.2557675	-0.32311615	-0.5728948
ATSIRB	AT1G50170	3.7183807	3.6422243	3.3457441	3.3599699
FTSH1	AT1G50250	5.884377	5.8215117	5.4311595	5.3484807
AT1G50290	AT1G50290	3.37345	3.5492601	-4.9828916	-5.017326
AT1G50732	AT1G50732	0.74179596	0.62701607	-0.060494896	-0.34243333
AT1G51110	AT1G51110	4.703961	4.756499	4.409447	4.3552327
CER5	AT1G51500	4.9950304	5.086888	4.6376543	4.552423
AT1G51630	AT1G51630	4.041721	4.067497	3.6327648	3.4807682
AT1G51830	AT1G51830	2.049297	2.3925028	0.7645262	1.4539257
AT1G52100	AT1G52100	5.616484	5.2737746	4.090495	3.8207753
AT1G52110	AT1G52110	-1.5836959	-1.4691738	-4.9828916	-5.0679936
AT1G52120	AT1G52120	-0.6459277	-0.04247108	-4.9828916	-5.0679936
PSAH2	AT1G52230	7.998938	8.268692	7.5432124	7.5938544
AT1G52270	AT1G52270	-2.2308903	-1.6592789	-4.9828916	-5.0679936
AT1G52347	AT1G52347	1.1764206	1.1688551	-4.548223	-5.0679936
AT1G52510	AT1G52510	4.7121167	4.862348	4.3444495	4.277946
AT1G52565	AT1G52565	0.9022787	1.1878823	-0.38496804	0.12379155
AT1G52690	AT1G52690	1.3616043	0.87379986	-1.9037685	-1.7852181
AT1G52720	AT1G52720	3.3688056	3.3860722	3.0364895	3.0479834
AT1G52825	AT1G52825	0.8753086	0.87365705	-0.623843	-0.59889567
CDT1	AT1G52827	0.57619196	0.33120072	-2.3101408	-2.0543363
AT1G52870	AT1G52870	3.5840328	3.6598933	2.8541431	2.7961884
AT1G52990	AT1G52990	-2.0593657	-1.5433044	-4.9828916	-5.0679936
AT1G53560	AT1G53560	3.779518	3.6628656	2.8783624	2.8678296
MSRB1	AT1G53670	4.5112762	4.60613	4.2512913	4.149435
AT1G54010	AT1G54010	7.383734	6.89308	6.7503877	6.0729823
AT1G54200	AT1G54200	1.8230404	1.7561932	1.1264955	1.003985
ICDH	AT1G54340	4.060152	3.951928	3.8172016	3.6752222
TLP18.3	AT1G54780	6.800032	6.9448886	6.478989	6.4841933
AT1G55000	AT1G55000	3.0712006	3.2732296	2.1366227	2.2665548
NDF5	AT1G55370	3.0711355	3.033439	2.0043156	1.9398314
AT1G55380	AT1G55380	-1.3887082	-0.7405875	-4.9828916	-5.0679936
ZKT	AT1G55480	5.536181	5.634152	4.750192	4.6986766
AT1G55960	AT1G55960	2.9739609	3.223297	2.4600983	2.4351618
ATDI19	AT1G56280	6.264605	6.3059897	5.937876	5.8060317

AT1G56520	AT1G56520	1.3995647	0.97964305	-4.881556	-3.613694
SVB	AT1G56580	6.0903964	6.2846184	5.7384677	5.7231865
AtGoIS2	AT1G56600	-0.7719004	-0.7051134	-3.245926	-3.4753482
AT1G56680	AT1G56680	-0.042386893	0.021213233	-4.9828916	-5.0679936
AT1G58070	AT1G58070	1.4397186	1.4585153	0.8514187	0.32748178
AT1G58150	AT1G58150	-0.61872315	-0.56079364	-4.9828916	-5.0679936
AT1G58160	AT1G58160	0.9090631	1.0031146	-2.7235792	-3.2493238
AT1G58235	AT1G58235	2.0651674	2.3018234	0.8561368	0.8436559
AAP1	AT1G58360	4.835578	4.794431	4.3280945	4.016806
AT1G58400	AT1G58400	-0.6295303	-0.68165034	-4.9828916	-5.0679936
RXW8	AT1G58520	2.2120502	2.2688406	1.7816849	1.7836165
AT1G58590	AT1G58590	-0.9520564	-1.0074104	-4.9828916	-5.0679936
AT1G58848	AT1G58848	-0.45292333	-0.33980528	-4.3532352	-3.859349
CCB4	AT1G59840	4.1824875	4.1129475	3.4965541	3.3042634
AT1G59860	AT1G59860	1.2394958	0.35498884	-1.1814327	-1.706205
AT1G59950	AT1G59950	-1.4237356	-2.1789348	-3.6359007	-4.9666586
AT1G59960	AT1G59960	3.4595222	3.4267864	2.9220207	2.9398518
AT1G60010	AT1G60010	3.7654955	3.8791878	3.4824812	3.400554
AT1G60190	AT1G60190	-1.5000086	-1.5187521	-4.0199018	-4.2493243
AT1G60230	AT1G60230	3.7725954	3.635907	3.1863441	3.1792972
BGLU5	AT1G60260	1.6160421	1.5027312	0.8576467	0.63663495
BGLU6	AT1G60270	2.8684368	2.934799	2.5062582	2.4979417
PG1	AT1G60390	2.5028982	2.3840106	1.6173605	1.7963756
AT1G60470	AT1G60470	2.4217842	2.208079	0.44485936	0.19854343
AT1G60525	AT1G60525	0.20205788	0.095874764	-4.9828916	-5.0679936
ECHID	AT1G60550	4.7984157	4.8206506	4.137031	4.078029
AT1G60590	AT1G60590	0.67711854	0.15624006	-0.4141223	-1.3692422
NIK3	AT1G60800	4.9691424	4.878853	4.321045	4.2278876
FED A	AT1G60950	8.048345	8.247453	7.7493834	7.684609
SCRL7	AT1G60989	2.8285587	2.6978302	2.210014	2.190833
AT1G61180	AT1G61180	1.6147202	1.5131675	1.0572513	0.94519377
AT1G61190	AT1G61190	2.3290327	2.0585077	1.2201735	0.95638853
AT1G61240	AT1G61240	2.8562574	2.628454	2.3481166	2.1352327
AT1G61255	AT1G61255	0.3729396	0.5987837	-1.1001242	-1.3437175
AT1G61300	AT1G61300	2.1548796	1.9301115	-0.0487172	-0.1655951
AT1G61310	AT1G61310	2.210222	2.0142267	1.5259374	1.3746004
SD1-29	AT1G61380	4.948398	5.0169535	4.139647	4.2956386
LHCA3	AT1G61520	9.688712	9.899127	9.00936	9.066743
AT1G61790	AT1G61790	5.0530605	5.047604	4.67584	4.7682147
AT1G62250	AT1G62250	3.46955	3.4772148	3.1348495	3.1407874
AT1G62290	AT1G62290	2.6061938	2.5692985	1.9732637	1.9023795
AT1G62480	AT1G62480	5.474043	5.550261	5.018906	5.1825943
AT1G62510	AT1G62510	1.9340934	1.9574617	0.40981618	0.60173583
FMO GS-OX4	AT1G62570	3.2020366	3.5510995	2.8287036	3.0652459
KAS III	AT1G62640	3.9157524	4.0012026	3.533204	3.667991
BETA-VPE	AT1G62710	2.4019537	2.0612297	-0.96798354	-0.8903854
AT1G62720	AT1G62720	0.06361508	0.0910007	-0.9949568	-1.2237188
ATSCO1	AT1G62750	7.4519386	7.3298345	6.7586727	6.5805697
ASP4	AT1G62800	3.2391624	3.2448728	2.7000854	2.822961
AT1G62810	AT1G62810	3.562444	3.1302822	2.9134762	2.7015722

AT1G62820	AT1G62820	2.5885952	2.819397	2.1494977	2.2023365
AT1G62914	AT1G62914	1.1513464	0.92978144	-0.35827097	-1.1128602
AT1G62920	AT1G62920	0.44848815	0.23824485	-4.9828916	-5.0679936
AT1G63770	AT1G63770	6.5636	6.468329	6.2118936	6.0935016
UBC5	AT1G63800	3.7881107	3.8801792	2.0813463	2.2131858
AT1G63855	AT1G63855	1.2850881	1.2450238	-0.14331485	-0.26048878
AT1G63860	AT1G63860	1.7502503	1.6277223	-4.9828916	-5.0679936
ISPF	AT1G63970	4.9635873	5.0391846	4.6333785	4.6786885
AT1G64110	AT1G64110	1.0342351	0.92091703	-0.35407093	0.20520514
AT1G64150	AT1G64150	3.3869011	3.355337	2.61786	2.574245
AT1G64270	AT1G64270	3.025449	2.8078554	2.4162388	2.4391263
AT1G64355	AT1G64355	3.8844306	4.0349364	3.5361502	3.448417
AtGH9C2	AT1G64390	5.9392114	5.889862	5.1741467	5.106047
AT1G64500	AT1G64500	4.293095	4.2682223	2.5250316	2.335301
AT1G64600	AT1G64600	3.1235092	2.8177311	2.555391	2.3549833
AT1G64625	AT1G64625	0.25879654	0.043661013	-1.3714567	-1.1312408
ENODL8	AT1G64640	3.736494	4.0186524	3.2280061	3.244641
ATMGL	AT1G64660	3.171524	3.015978	2.3899503	2.6003635
BLT	AT1G64690	0.3868796	0.37921342	-0.5137935	-0.6533565
CP5	AT1G64720	7.4168	7.434254	7.0634217	7.0839653
AT1G64820	AT1G64820	-0.82640004	-1.284102	-4.548223	-3.8086815
SIGA	AT1G64860	4.52943	4.6626654	3.6592958	3.5274642
CYP89A2	AT1G64900	4.795463	4.5679455	4.336222	3.8535507
GTG1	AT1G64990	3.653538	3.668136	2.8813944	2.737175
AT1G65150	AT1G65150	2.467905	2.2948706	2.0220096	1.7744304
AT1G65200	AT1G65200	1.8984232	1.4485645	-2.1075802	-1.2237188
AT1G65230	AT1G65230	4.0125794	4.175446	3.6177588	3.4497573
PTAC4	AT1G65260	6.338983	6.378015	5.949615	5.90515
AT1G65490	AT1G65490	1.184784	1.3838762	-0.8189451	-1.3491774
AT1G65500	AT1G65500	1.7204604	1.8892556	-0.31557855	-0.33888426
AT1G65510	AT1G65510	-0.12258005	0.26842347	-1.8384618	-1.5752014
AT1G65540	AT1G65540	4.2501836	4.157875	3.8402646	3.8907897
ARK2	AT1G01950	2.287781	2.400359	1.7011529	1.7339963
AT1G66020	AT1G66020	-0.360412	-0.44001946	-1.7742468	-1.9727497
VIM4	AT1G66040	-2.3926992	-2.1222932	-4.9828916	-5.0679936
AT1G66130	AT1G66130	2.9625635	2.9300156	2.598396	2.5577364
GSR2	AT1G66200	7.946005	8.2306	7.4307866	7.556396
AT1G66330	AT1G66330	4.240137	4.2666283	3.730754	3.7189338
AT1G66430	AT1G66430	5.643799	5.625555	4.925362	4.9901667
PXMT1	AT1G66700	0.17558892	0.15564929	-2.333604	-1.3532405
AT1G66860	AT1G66860	-0.6785311	-0.79279166	-2.6777446	-3.0347052
AT1G67040	AT1G67040	2.4685652	2.3385527	1.4732599	1.3958999
RBCS1A	AT1G67090	12.219401	12.329605	11.332638	11.3423605
CYP735A2	AT1G67110	1.534819	1.6006883	0.9341407	1.0391029
AT1G67148	AT1G67148	1.6223769	1.8223926	0.99398917	0.72805023
AT1G67280	AT1G67280	6.358969	6.3438935	6.181844	6.1135974
AT1G67460	AT1G67460	1.4153639	1.385561	-4.3532352	-3.771671
AT1G67530	AT1G67530	3.219041	3.1653242	2.741251	2.6672688
AT1G67700	AT1G67700	6.150542	6.23198	5.745615	5.6847763
PSBY	AT1G67740	8.446679	8.545779	7.7987	7.8334045



AT1G67792	AT1G67792	1.6045378	1.8133386	0.3907051	0.4591405
AT1G67900	AT1G67900	3.0920136	3.0097492	2.5310812	2.6095471
HPR	AT1G68010	6.8891697	6.9209056	6.4476132	6.232757
AT1G68190	AT1G68190	3.6585436	3.6116192	2.9149792	2.7802036
AT1G68238	AT1G68238	3.2450562	3.2506685	2.8475559	2.906782
AT1G68620	AT1G68620	2.075555	2.5788028	1.4470567	2.188475
STN7	AT1G68830	4.951079	5.010856	4.509542	4.4791107
AT1G69252	AT1G69252	3.585695	3.7271526	3.2094805	3.3168385
AT1G69400	AT1G69400	1.0036162	0.74505216	-0.041636426	-0.1104354
AT1G69480	AT1G69480	0.32893646	-0.3870825	-2.6259851	-3.1420145
AT1G69630	AT1G69630	0.3243345	0.23918317	-4.548223	-4.683993
ATH8	AT1G69880	2.3270066	2.312837	1.7635807	1.615242
AT1G70010	AT1G70010	3.615031	3.5948055	-4.932224	-5.017326
PG2	AT1G70370	5.3011146	5.11888	4.9741573	4.7522507
ATBCA4	AT1G70410	5.6946464	5.903591	5.126536	5.3314705
AOAT2	AT1G70580	3.8065255	3.7259743	3.479222	3.349924
ATTAP1	AT1G70610	3.4029853	3.3756142	3.1014588	3.0157788
CRR23	AT1G70760	5.542787	5.5398526	5.044148	4.932654
MLP28	AT1G70830	6.3474507	6.4302154	6.0078964	5.9602075
ATNAP5	AT1G71330	1.5492011	1.3913136	-0.080789	-0.6062378
AT1G71340	AT1G71340	3.2144337	3.069083	1.5964216	1.4819498
AT1G71480	AT1G71480	2.5322275	2.7218277	2.1256287	2.0592859
AT1G71500	AT1G71500	5.929165	5.976663	5.5663085	5.4477563
SUC5	AT1G71890	0.91557163	0.617865	-0.4099944	-0.79279155
FUT13	AT1G71990	3.2373831	3.281976	2.7962525	2.974431
AT1G72030	AT1G72030	3.2983682	3.377531	2.6450026	2.442715
AT1G72130	AT1G72130	3.9207027	3.8352902	3.4925735	3.4195092
AT1G72140	AT1G72140	1.9798051	2.2414553	1.3794293	1.712769
AT1G72640	AT1G72640	4.0342574	4.1145625	3.7520132	3.7060115
HAB1	AT1G72770	3.9579175	3.9249241	3.4436219	3.258166
ATPS2	AT1G73010	0.30075863	0.46961617	-0.9159439	-0.54463476
LPA3	AT1G73060	5.583856	5.6082435	5.413395	5.3623714
AT1G73120	AT1G73120	3.333154	3.5154123	2.0124414	2.086137
ALPHA-TIP	AT1G73190	1.7087935	0.8839822	-4.548223	-4.633325
AtOCT1	AT1G73220	1.019465	0.895833	-2.949603	-3.451885
AT1G73750	AT1G73750	2.5516386	2.4795349	1.9034692	1.8935832
AT1G73870	AT1G73870	1.2040836	1.4277725	-1.1001242	-0.7966234
SPPA	AT1G73990	4.3614745	4.290714	4.1451616	4.032338
AT1G74160	AT1G74160	3.8502731	3.793873	3.571925	3.5390098
AtRLP14	AT1G74180	1.8826714	1.6920599	1.2706332	1.0492662
ATHSP101	AT1G74310	2.743151	2.4530222	1.8979453	1.9705725
AT1G74320	AT1G74320	2.9719925	2.9492817	2.2546866	2.1477213
AT1G74470	AT1G74470	8.522395	8.521073	7.8995385	7.92333
AT1G74730	AT1G74730	5.5350804	5.689634	5.2931943	5.222693
NDH-O	AT1G74880	4.3589883	4.4820886	3.8040419	3.7168825
JAC1	AT1G75100	3.5153568	3.5261528	2.5054657	2.4924834
AT1G75280	AT1G75280	4.584783	4.8734283	4.125008	4.161817
STH2	AT1G75540	5.3652115	5.422312	5.135696	5.150229
AtGH9B7	AT1G75680	5.183468	5.3359456	4.9463177	5.008262
AT1G75690	AT1G75690	5.62508	5.7469535	5.1234436	5.1191473

AT1G75710	AT1G75710	3.317938	3.2849038	2.9090335	2.8586044
ATCDSP32	AT1G76080	6.4450507	6.6035323	5.9455643	5.863913
PETE1	AT1G76100	4.7754574	5.01277	4.5225735	4.551081
AT1G76450	AT1G76450	4.909027	5.013066	4.552769	4.566895
AT1G76860	AT1G76860	3.428085	3.480508	3.0620239	3.0795224
AT1G77090	AT1G77090	3.6875572	3.761565	3.262191	3.1396887
TAPX	AT1G77490	5.183985	5.220177	4.781274	4.838654
AT1G77520	AT1G77520	1.3130759	1.4606863	0.27630356	0.32262763
AT1G77930	AT1G77930	3.7300909	3.8433113	3.3485668	3.3405285
AT1G78060	AT1G78060	4.8411994	4.773043	4.4396377	4.412884
AT1G78140	AT1G78140	4.103962	4.1790586	3.8469334	3.8689709
AT1G78172	AT1G78172	0.26341644	0.52353317	-1.3444113	-1.4147154
AT1G78450	AT1G78450	0.86211973	0.45583594	-0.40999436	-0.5817189
AT1G78460	AT1G78460	4.2258716	4.177191	3.710575	3.7976217
SPS1	AT1G78510	3.861451	3.7716987	3.0918915	3.1321113
emb1473	AT1G78630	7.6815276	7.792988	7.4177775	7.446219
AT1G78915	AT1G78915	4.132216	4.202724	3.8317537	3.678117
LUP1	AT1G78970	2.227108	2.141919	1.0110359	1.2087961
PSBR	AT1G79040	9.554158	9.671494	8.80046	8.828826
AT1G79060	AT1G79060	2.1615732	1.837114	1.4416476	1.0831758
AT1G79160	AT1G79160	3.0516975	3.207618	2.6748657	2.6923037
AT1G79520	AT1G79520	2.0736487	1.664537	0.3661103	0.3946092
AT1G79529	AT1G79529	-0.11958995	-0.11620919	-1.9026769	-1.7704201
AT1G79600	AT1G79600	5.4719067	5.4500327	5.246714	5.187642
AT1G79790	AT1G79790	3.8028717	3.7810209	3.3963194	3.3273697
RPS17	AT1G79850	7.3232865	7.393007	6.760961	6.768205
NTT1	AT1G80300	4.9596353	4.953112	4.4519105	4.508184
AT1G80380	AT1G80380	6.1367416	6.213619	5.9371853	5.941734
J8	AT1G80920	5.6664124	5.8227615	5.2274585	5.371824
AT2G01090	AT2G01090	2.54084	2.5168133	-4.932224	-5.0173264
AT2G01100	AT2G01100	4.504493	4.445429	3.9908187	3.9546754
APG2	AT2G01110	5.029798	5.033693	4.8278785	4.6898456
PIN4	AT2G01420	5.2507596	5.2174983	4.9269013	4.7777543
AT2G01422	AT2G01422	0.49474478	0.3192076	-2.5792592	-3.3135388
AT2G01520	AT2G01520	6.058443	6.513123	5.356549	5.7288957
AT2G01610	AT2G01610	0.98212284	0.8817254	-0.96177834	-1.5063843
EMB975	AT2G01860	3.6616051	3.600397	2.1634715	2.1479359
AT2G01870	AT2G01870	1.6950474	1.8340763	0.59205633	0.56213194
AT2G01990	AT2G01990	1.6961125	1.7235184	0.90049195	0.6370998
PDF2.1	AT2G02120	1.9737793	1.8635889	-1.8929615	-2.4322536
ATGSTZ1	AT2G02390	4.4128647	4.4584084	3.667205	3.6576326
ISPD	AT2G02500	4.0851774	4.2163405	3.6892521	3.5560758
AT2G02610	AT2G02610	-0.47967649	-0.6816504	-4.9828916	-5.0679936
AT2G02620	AT2G02620	0.2010874	-0.05585682	-4.9828916	-5.0679936
AT2G02630	AT2G02630	-2.6383543	-1.6816503	-4.9828916	-5.0679936
AT2G02690	AT2G02690	-0.4418849	-0.05254403	-4.932224	-5.017326
ARPN	AT2G02850	1.361463	0.92243415	0.4294281	-0.17925234
ATEXPA15	AT2G03090	4.657616	4.75556	3.4735916	3.7796547
NRP1	AT2G03440	4.776646	4.777517	4.276708	4.404989
AT2G03750	AT2G03750	3.4522412	3.5393093	2.9329975	2.8354053

AT2G04039	AT2G04039	3.8836203	4.0527663	2.574599	2.6018126
XERICO	AT2G04240	2.648311	2.1863544	2.2450836	1.6070598
AT2G04570	AT2G04570	2.7070675	2.8127158	2.010503	1.9263262
LHCB2.2	AT2G05070	8.9685755	9.280183	7.3925614	7.6375465
LHCB2.1	AT2G05100	8.836948	9.060067	7.3219414	7.5029054
ATGRP9	AT2G05440	7.10112	7.0635123	6.018332	5.965262
AT2G05510	AT2G05510	4.758907	4.622967	3.808164	3.755883
AT2G05530	AT2G05530	-2.2308903	-1.9197322	-4.932224	-5.0679936
AT2G05540	AT2G05540	3.7958348	4.05527	1.9984087	2.24881
PGR5	AT2G05620	5.448954	5.5868917	4.3578963	4.1816025
AT2G05632	AT2G05632	0.9095977	0.68063515	-4.881556	-4.299992
PSBX	AT2G06520	8.648114	8.883937	8.158185	8.199092
AT2G09795	AT2G09795	2.3655727	2.465626	-4.9828916	-5.0679936
AT2G11300	AT2G11300	-1.599862	-1.7148288	-4.9828916	-5.0679936
AT2G12190	AT2G12190	2.3680246	2.4031134	-2.0002706	-2.2803605
AT2G12462	AT2G12462	2.2832694	2.3701336	0.8557146	1.1126834
AT2G13100	AT2G13100	3.5260117	3.5151567	2.9433143	2.8441212
AGT	AT2G13360	7.987555	7.948156	7.5135727	7.3192887
AT2G13665	AT2G13665	1.1428429	1.1621435	-0.80528325	-1.2127137
ATSERK5	AT2G13800	1.8631439	1.6787701	-1.47195	-1.3802137
AT2G13820	AT2G13820	3.3729715	3.4767094	2.9224205	3.1612537
AT2G14045	AT2G14045	2.6383731	2.7084954	2.1145546	2.1460297
CYP705A13	AT2G14100	1.0295631	1.2243105	-4.9828916	-5.0679936
AT2G14860	AT2G14860	1.5093583	1.5379688	0.88906866	0.80276966
AT2G15010	AT2G15010	-2.4258776	-2.169019	-4.9828916	-5.0679936
AT2G15020	AT2G15020	1.4228535	1.7873682	-0.8234325	-0.99436665
LTP	AT2G15050	2.8005173	2.7588704	2.3444839	2.0836055
AtRLP19	AT2G15080	0.19463229	0.34543395	-3.8308885	-4.438338
AT2G15220	AT2G15220	2.4115188	2.5269952	0.014527281	0.30097055
ATTIC21	AT2G15290	4.894381	4.9489303	4.696141	4.6912894
AT2G15560	AT2G15560	2.9799058	2.940728	1.9924102	2.114753
NIR1	AT2G15620	7.4163127	7.4208913	7.1227727	7.0653205
AT2G15940	AT2G15940	1.9174343	1.9666357	-4.9828916	-5.0679936
AT2G16005	AT2G16005	4.4502773	4.724282	0.767339	0.5137275
AT2G16340	AT2G16340	-1.2688462	-1.0855654	-4.9828916	-5.0679936
AT2G16630	AT2G16630	2.7869508	2.7622032	2.3382008	2.1167314
PIP3B	AT2G16850	4.7681117	4.6732135	4.1981335	4.317677
AT2G17050	AT2G17050	-2.2875319	-1.7148288	-4.9828916	-5.0173264
AT2G17060	AT2G17060	-0.52047545	-0.9712356	-4.9828916	-5.0679936
AT2G17300	AT2G17300	1.5474195	1.9867665	0.98407334	1.3645719
AT2G17695	AT2G17695	3.1082375	3.1003094	2.3749926	2.2223947
ARAC1	AT2G17800	3.574392	3.5886261	2.8241456	2.9044044
ATHK1	AT2G17820	4.6662173	4.385832	4.215488	3.9678557
AT2G17880	AT2G17880	2.7273705	2.947322	1.8009305	2.1267295
HIS1-3	AT2G18050	1.0842577	0.97590584	0.31831154	0.037705045
AT2G18150	AT2G18150	2.245528	2.2913628	0.9503123	1.1570467
AtTLP2	AT2G18280	4.684816	4.8026624	4.3814874	4.5020247
AT2G18370	AT2G18370	2.5634868	2.9577682	1.929423	2.0858402
PERK4	AT2G18470	-1.1160076	-1.2294434	-3.9692342	-3.1420145
AT2G18500	AT2G18500	-0.35236073	-0.42542562	-2.4409134	-2.3876698

AT2G19400	AT2G19400	0.77196383	0.66615707	-0.8434975	-1.0893972
AT2G19440	AT2G19440	-1.9467427	-2.1964238	-4.9828916	-4.683993
ATNADP-ME1	AT2G19900	0.116459824	-0.59249026	-3.1075802	-4.1926823
AT2G19920	AT2G19920	-0.367094	-0.5002102	-4.881556	-5.017326
AT2G19980	AT2G19980	-1.3468647	-1.6086112	-4.932224	-3.7210033
AT2G20100	AT2G20100	1.6673741	1.5803536	1.1082894	0.85383487
PSAE-2	AT2G20260	6.8108716	6.989228	6.5186515	6.5592804
AT2G20360	AT2G20360	6.223562	6.217073	5.853357	5.8556533
AT2G20670	AT2G20670	4.94735	5.072853	3.7208881	3.7350342
LAX2	AT2G21050	3.3697107	3.2321155	2.9317634	2.716338
ATPRP2	AT2G21140	4.0011363	4.11713	3.7218063	3.4907887
TIM	AT2G21170	7.520552	7.4872336	7.266889	7.1997743
AT2G21220	AT2G21220	-0.12272292	0.5370829	-1.723579	-0.35236692
GC1	AT2G19950	4.297037	4.317783	4.03821	3.908656
AT2G21320	AT2G21320	1.9924072	1.8918973	0.92957383	0.7035064
FBA1	AT2G21330	8.014059	7.9196134	7.0057793	6.756635
APL4	AT2G21590	2.5699646	2.5618231	2.0369737	1.9450798
AT2G21720	AT2G21720	-1.5613695	-1.9615759	-4.9828916	-4.299992
AT2G21820	AT2G21820	-1.1160074	-1.6449227	-4.881556	-4.9159904
AT2G21960	AT2G21960	4.245051	4.3200393	3.9856956	3.920945
sep-02	AT2G21970	3.172845	3.144344	2.7954617	2.7426548
AT2G22200	AT2G22200	1.9573921	2.2345665	-2.333604	-1.3567508
AT2G22230	AT2G22230	4.8905787	4.9315705	4.459108	4.470303
SNG1	AT2G22990	6.9593177	7.048472	6.5513825	6.5714564
scpl10	AT2G23000	1.7614455	1.6808373	0.88201547	0.693917
ALDH11A3	AT2G24270	6.567421	6.6554794	6.1523843	6.1855874
AT2G24280	AT2G24280	4.2363944	4.1287694	3.928788	3.6795118
AFR	AT2G24540	1.1190593	1.3196936	-0.3457794	-0.34823903
TIC55-II	AT2G24820	5.3698525	5.3500915	4.9605126	4.8804917
ATGPX1	AT2G25080	6.234043	6.3043914	5.853555	5.765982
AT2G25100	AT2G25100	2.3289225	2.5009422	1.6787719	1.7978579
AT2G25270	AT2G25270	2.2759876	2.2568417	1.4619379	1.4981775
AtRLP21	AT2G25470	0.028590554	-0.049390603	-1.4253064	-1.2549926
AT2G25480	AT2G25480	3.4327686	3.384179	2.2042682	2.420641
ATCTH	AT2G25900	4.0365486	3.9989421	3.3613756	3.2825718
AT2G25980	AT2G25980	3.3310673	3.4339259	0.94982624	1.1498604
AT2G26340	AT2G26340	4.3171067	4.419431	3.7835662	3.6921883
ATSEH	AT2G26740	5.1042027	5.4267583	4.7418075	5.09292
AT2G26800	AT2G26800	3.9765327	3.9440105	3.4768589	3.458985
AT2G26975	AT2G26975	2.8280897	2.8776398	2.2592568	2.1065671
EIL1	AT2G27050	5.2438855	5.1750674	4.7822604	4.7940655
AAO3	AT2G27150	3.4543126	3.3795242	3.0146763	2.893184
ATEPR1	AT2G27380	0.38659072	0.1867624	-4.9828916	-5.0679936
AT2G27420	AT2G27420	0.6486746	0.8048268	-0.4172913	-0.69008404
ATFD3	AT2G27510	5.1622105	5.233509	4.67952	4.773693
AXS1	AT2G27860	6.9094787	7.0712733	6.618467	6.7496085
AT2G28070	AT2G28070	3.3934135	3.1529706	2.6708565	2.5822868
AT2G28490	AT2G28490	1.3282285	0.286804	-4.9828916	-4.633325
CXIP4	AT2G28910	6.248899	6.1832347	5.7648406	5.7184315
AT2G28990	AT2G28990	-0.07939731	-0.43806052	-4.9828916	-5.0679936

AT2G29000	AT2G29000	-1.8975568	-1.510126	-4.9828916	-5.017326
AT2G29290	AT2G29290	4.5738845	4.5709434	3.845246	4.0008826
AT2G29340	AT2G29340	5.312469	5.030285	4.8020215	4.45064
AT2G29500	AT2G29500	2.7107008	2.624266	1.1648661	1.3812014
ANTR1	AT2G29650	5.135164	5.213985	4.6470237	4.591629
AT2G30480	AT2G30480	2.2762222	2.087442	-0.44426468	-0.18338026
PSBW	AT2G30570	8.78143	9.036685	8.335126	8.366582
AT2G30740	AT2G30740	4.223482	4.2775273	3.9565601	4.0268974
VAR2	AT2G30950	7.5241714	7.559052	7.220053	7.210612
HEMA3	AT2G31250	0.48906687	0.7377482	-0.41619956	-0.28095564
AT2G31380	AT2G31380	4.162088	4.28707	2.9168844	3.0131323
AT2G31560	AT2G31560	2.3364594	2.103236	1.6206083	1.5246991
ATOF16	AT2G32100	1.259075	1.6327072	0.5570472	0.71869946
HSP70T-2	AT2G32120	1.5717157	1.3407779	0.8863285	0.66139853
AT2G32150	AT2G32150	3.6923914	3.7271402	3.2267876	3.1323125
ATCSLB04	AT2G32540	4.0882993	4.0317893	3.7433426	3.5215194
AT2G32560	AT2G32560	2.7362192	2.8594549	2.308828	2.4267097
AT2G32650	AT2G32650	3.1257617	3.1805618	2.2290509	2.0829515
AtGH9B8	AT2G32990	3.1554554	3.2016275	2.495341	2.6940038
NSP2	AT2G33070	-1.4925526	-1.9350001	-4.403903	-5.0679936
YUC7	AT2G33230	-1.8097197	-1.0405889	-4.932224	-4.0543365
AT2G33250	AT2G33250	2.892743	2.908701	2.2788599	2.458376
RD20	AT2G33380	0.88144684	1.0874925	-0.15575542	0.048727587
ATAGP30	AT2G33790	3.7669656	3.9942868	2.2869549	2.8630273
AT2G33800	AT2G33800	7.548987	7.536825	7.2585692	7.196085
AT2G33850	AT2G33850	4.0791736	4.2816467	3.0909054	3.2237823
AT2G34060	AT2G34060	1.7509245	1.6863713	0.7760041	0.3782556
LHB1B2	AT2G34420	10.778161	11.00501	9.960938	10.082935
AT2G34460	AT2G34460	4.641129	4.7531257	4.018466	4.098885
AT2G34590	AT2G34590	5.8628182	5.957171	5.562515	5.7031837
NF-YA4	AT2G34720	3.4108925	3.3886435	3.0446198	3.002999
AT2G34840	AT2G34840	0.5913214	0.60043174	-4.9828916	-5.0679936
MEE25	AT2G34850	-0.72436565	-0.62145954	-2.2829363	-2.6643612
AT2G34930	AT2G34930	2.1246989	2.2188141	1.1361928	1.1440827
LEA18	AT2G35300	1.1830536	0.17010653	-2.3025675	-2.7852182
GDCH	AT2G35370	6.666336	6.799225	6.419707	6.2885723
CTF2A	AT2G35660	1.984862	1.9533688	1.1038386	0.811416
AT2G35840	AT2G35840	4.563659	4.621081	4.278113	4.2745266
AT2G36145	AT2G36145	4.3115196	4.30897	3.915434	3.842285
AT2G36290	AT2G36290	4.0789375	4.09773	3.6400688	3.5125568
AT2G36320	AT2G36320	4.8133464	4.906199	4.5218196	4.5795407
AT2G36570	AT2G36570	3.1949348	3.0055485	1.7336072	1.7604384
AT2G36690	AT2G36690	2.4455833	2.4553344	1.614592	1.7081403
AT2G36885	AT2G36885	1.8821064	1.8161182	0.9846768	0.7668171
AT2G36895	AT2G36895	2.9039726	2.940706	2.4649818	2.5459805
AT2G37030	AT2G37030	0.64059204	1.1436713	-1.397819	-0.8815613
AT2G37240	AT2G37240	2.6707592	2.6979105	2.1249769	2.1296797
AT2G37750	AT2G37750	2.4190369	2.6057847	1.9722301	1.8116746
AT2G37870	AT2G37870	0.94842654	1.3053479	-0.27733365	-0.22016966
AT2G38010	AT2G38010	2.6415224	2.6477947	2.1438403	2.0711064

AT2G38140	AT2G38140	6.2007866	6.280504	6.002409	6.0211067
CAX1	AT2G38170	6.9585853	6.3497863	6.3076935	5.7878175
ATPDX1.1	AT2G38230	3.9608707	4.0291114	3.5692408	3.4541767
AT2G38390	AT2G38390	4.848291	4.76784	3.4751663	3.193814
AT2G38800	AT2G38800	4.712853	4.506722	4.438915	4.1253777
AT2G38995	AT2G38995	-0.5318807	-0.015747646	-4.0199018	-3.1185515
AT2G39130	AT2G39130	4.4644723	4.222534	3.9961097	3.7617931
SNZ	AT2G39250	2.3530838	2.5991266	1.8783112	2.08722
JAL22	AT2G39310	6.6576138	6.635456	6.398762	6.284187
AT2G39390	AT2G39390	5.864733	5.895258	5.2267723	5.1442614
PPL2	AT2G39470	5.3925877	5.411324	4.688248	4.60717
ATEXPA4	AT2G39700	4.2553153	4.1026726	3.4576893	3.5091202
RCA	AT2G39730	10.879447	10.978515	9.812409	9.748024
P5CS1	AT2G39800	4.346412	4.502543	3.7616704	3.890417
LHCB4.3	AT2G40100	1.9203714	1.7012974	0.72305614	0.6973398
AT2G40400	AT2G40400	4.9654603	4.9201856	4.442545	4.3967795
ATEXPA8	AT2G40610	3.0442753	3.6476758	2.4443474	2.4306948
AT2G40920	AT2G40920	1.5674725	1.6371766	-1.2877697	-1.2395614
BHLH100	AT2G41240	1.6876374	1.2830707	0.4106162	0.3844241
M17	AT2G41260	2.8406985	2.7208426	-2.259473	-1.793883
AT2G41380	AT2G41380	3.0578067	3.501216	2.6550665	2.970475
AT2G41420	AT2G41420	4.647604	4.670093	4.1284285	4.298022
AT2G41451	AT2G41451	-1.305021	-1.2581011	-4.932224	-5.0679936
AT2G41480	AT2G41480	1.6453595	1.7841789	0.9332547	0.9219058
AT2G41650	AT2G41650	4.14386	4.106828	3.9075997	3.7048519
NTRC	AT2G41680	5.914289	5.8517566	5.6250587	5.614252
AT2G42220	AT2G42220	6.5147915	6.69469	6.1685634	6.21475
AT2G42485	AT2G42485	1.3328304	1.4770025	0.6545256	0.61586386
COR15A	AT2G42540	1.8014526	1.986807	0.5442426	0.6750558
ATPPC2	AT2G42600	7.7854705	7.60437	7.3034015	7.1306853
AT2G42750	AT2G42750	4.705925	4.730251	4.1201673	4.2521615
PAR1	AT2G42870	2.2259324	2.2482288	1.3492349	1.2274936
AT2G42975	AT2G42975	2.567116	2.6555874	1.5028391	1.4855818
ATPMEPCRD	AT2G43050	2.1644394	2.1438367	1.7016987	1.6755365
MSS3	AT2G43290	2.973316	3.1003058	2.6010745	2.543441
AT2G43340	AT2G43340	2.0210173	1.9353968	1.4665586	1.3836889
MAP2A	AT2G44180	2.9017582	2.8667307	2.3315504	2.2506921
AT2G44380	AT2G44380	1.3683304	1.3267685	0.3950181	-0.09072503
BGLU15	AT2G44450	3.356889	3.4472618	2.627786	2.7007892
AT2G44580	AT2G44580	1.5299983	1.7645952	0.86719245	1.0866146
UCC2	AT2G44790	5.048225	5.2274203	4.8261538	4.974698
AT2G45290	AT2G45290	5.2547474	5.103451	4.5580354	4.457726
AtAUR3	AT2G45490	1.6275667	1.7497196	0.6860271	0.9080863
AT2G45600	AT2G45600	1.2007457	1.5545412	0.19779599	0.35006538
AGL20	AT2G45660	1.6000056	1.5255142	0.9534249	0.8962466
AT2G45920	AT2G45920	3.0887673	2.9020488	1.9556144	1.6376338
MPK12	AT2G46070	1.8546873	1.8646501	1.0112779	1.0696799
TRIP-1	AT2G46280	6.363149	6.2921166	6.071322	6.0554214
ARF11	AT2G46530	2.3618217	2.7590263	1.77984	2.2247236
AT2G46810	AT2G46810	2.4680758	2.3706398	1.9530836	1.7725096

PTAC8	AT2G46820	7.8013444	7.9180055	7.2136893	7.2209625
CCA1	AT2G46830	4.5821915	4.648686	2.4699404	2.5298357
NGA1	AT2G46870	2.0841181	2.2809732	1.5843207	1.6830388
AT2G46910	AT2G46910	4.0876193	4.130531	3.7173288	3.6730652
AT2G47010	AT2G47010	2.5711381	2.4398973	1.5383474	1.5649601
CAO	AT2G47450	6.5742774	6.536219	6.017717	6.0303655
ATNDT1	AT2G47490	3.4253883	3.605173	2.9547997	2.9460905
PHR2	AT2G47590	6.315508	6.2602067	6.1258826	6.03145
AT2G47780	AT2G47780	0.5921406	0.6315271	-2.8384616	-2.2345257
AT3G01060	AT3G01060	4.4722476	4.389631	3.5642316	3.493394
AT3G01260	AT3G01260	2.9733877	2.6665947	2.216482	1.688551
CA1	AT3G01500	8.983566	9.03403	7.257796	7.1638217
ATPPT2	AT3G01550	1.137455	1.3521605	0.17674084	0.25940725
AT3G01860	AT3G01860	2.5355396	2.6590347	1.990064	2.1005945
COL2	AT3G02380	3.248419	3.5439498	1.3133138	1.5665426
AT3G02480	AT3G02480	2.441839	2.6737373	-0.34347287	0.10622132
AT3G02690	AT3G02690	3.839676	3.820161	3.2170258	3.1253119
AT3G02700	AT3G02700	3.5672646	3.5473728	3.168208	3.0369148
TRXF1	AT3G02730	5.7808166	5.923374	5.450826	5.350593
ZFN1	AT3G02830	4.3736567	4.4400296	3.90456	3.7107728
GASA5	AT3G02885	2.101127	1.3990523	0.94585913	-0.63207424
AT3G03150	AT3G03150	5.234732	5.3401456	4.9305916	5.031519
AT3G03702	AT3G03702	0.733375	0.6266142	-0.51016414	-0.7704201
AT3G04030	AT3G04030	1.3910393	1.4447984	0.71086234	0.6046674
WDL1	AT3G04630	3.7086372	3.7007825	3.3758774	3.2652848
AT3G04650	AT3G04650	4.444399	4.332717	3.7671297	3.675532
AT3G04790	AT3G04790	6.6867595	6.7279735	6.3624954	6.3557334
AT3G04890	AT3G04890	2.5195472	2.4943807	1.8308808	1.898686
AT3G05130	AT3G05130	3.4551337	3.2120714	3.0328743	2.846857
AT3G05155	AT3G05155	0.19448458	0.24672623	-0.9692343	-1.2843847
AT3G05180	AT3G05180	2.5396745	2.3986225	2.034082	1.6334268
AT3G05320	AT3G05320	0.85949546	0.9808838	-0.06448581	0.25392404
TBL10	AT3G06080	3.8560905	3.7480114	3.5230267	3.4554212
AT3G06840	AT3G06840	2.156191	2.7269382	1.431193	1.859714
AT3G07350	AT3G07350	3.12417	3.2390358	2.7230844	2.8844728
AT3G07400	AT3G07400	3.7669055	3.6777477	3.2511692	3.1854687
AT3G08650	AT3G08650	4.6759257	4.683973	4.445605	4.4578757
LTP6	AT3G08770	4.778183	4.7847366	3.963092	3.879696
LHCB4.2	AT3G08940	7.6917224	7.9043083	6.6777253	6.855963
LAC7	AT3G09220	3.0127723	3.240731	1.2844545	1.498489
AT3G09450	AT3G09450	0.1818608	-0.32691815	-1.5792593	-2.1420145
AT3G09600	AT3G09600	3.5047848	3.523076	1.8157464	1.5330464
AT3G10060	AT3G10060	4.4139442	4.446728	4.0586543	3.9694464
PAL4	AT3G10340	2.6068983	2.876293	1.7974187	2.032898
AT3G10420	AT3G10420	4.109404	4.298824	3.311096	3.4751186
CYP77A6	AT3G10570	1.1196421	1.2368045	0.23525988	0.015075028
ASD1	AT3G10740	4.937019	5.0183463	4.5982556	4.52053
GLX2-2	AT3G10850	5.6171775	5.730577	5.4046745	5.401194
FAD7	AT3G11170	6.6669273	6.6238217	6.2076507	6.0795074
AT3G11210	AT3G11210	3.6851032	3.58984	3.191182	3.1127517

AT3G11370	AT3G11370	-0.9315284	-0.7051134	-4.9828916	-5.0679936
AT3G11630	AT3G11630	8.25238	8.358993	8.0613785	8.032168
DGD1	AT3G11670	4.1974773	4.2294097	3.8496568	3.9197779
AT3G12010	AT3G12010	4.546125	4.4525256	4.1355696	4.2098465
CPuORF20	AT3G12012	4.546125	4.4525256	4.1355696	4.2098465
AT3G12320	AT3G12320	2.8548892	3.0542955	1.30734	1.5638665
AT3G12345	AT3G12345	5.5306344	5.5520396	4.997354	4.91753
ATHCHIB	AT3G12500	2.374721	2.5796435	1.0475236	1.279437
PGK1	AT3G12780	8.560608	8.685243	8.198758	8.19914
AT3G12920	AT3G12920	3.9855263	4.023248	3.6745427	3.7494297
AT3G13040	AT3G13040	4.2036214	4.187514	3.8129108	3.7397764
AT3G13240	AT3G13240	-1.9541985	-2.5122683	-4.9828916	-5.0679936
AtcwINV5	AT3G13784	0.85939974	0.9042347	-0.40011463	-0.25856996
AT3G13950	AT3G13950	-1.8899835	-1.3259456	-4.598891	-4.633325
AT3G14067	AT3G14067	5.334703	5.296716	4.941959	4.9348683
AT3G14220	AT3G14220	4.6829405	4.726837	3.9369175	3.983901
AT3G14415	AT3G14415	7.751686	7.7666073	7.473591	7.379029
AT3G14420	AT3G14420	8.289568	8.325394	7.712669	7.539772
AT3G14595	AT3G14595	3.3784492	3.5808856	2.9406383	3.1753123
ATHM4	AT3G15360	6.410748	6.5305805	6.207254	6.1923013
AT3G15670	AT3G15670	-0.22237854	-0.93694323	-3.774247	-3.6643612
MBD11	AT3G15790	2.752308	2.767853	2.158518	2.1566951
ROD1	AT3G15820	2.8429315	3.0271647	2.3824136	2.5089684
SULTR3;4	AT3G15990	2.2439318	2.5915194	1.827233	1.9864441
PSAH-1	AT3G16140	7.7049766	7.8624625	7.351166	7.384727
AHP4	AT3G16360	1.0452309	1.2926469	-0.943629	-0.4594581
NSP4	AT3G16410	5.929621	6.039209	5.2717304	5.1923738
AAE7	AT3G16910	4.272692	4.2170277	3.921955	3.8637636
HCF107	AT3G17040	4.5991015	4.616283	4.1825967	4.2604904
AT3G17100	AT3G17100	4.220721	4.348143	3.9107049	3.9775808
AT3G17120	AT3G17120	2.9056463	3.0449216	2.5599425	2.6755955
AT3G17130	AT3G17130	-0.16107245	-0.23215865	-2.774247	-3.1420145
CIPK1	AT3G17510	4.835053	4.794165	4.3154254	4.313675
AT3G17520	AT3G17520	0.42161536	-0.52367336	-4.497555	-3.5260155
HYH	AT3G17609	3.1940258	3.2758052	1.8046242	1.5252022
AT3G17800	AT3G17800	4.9607167	5.1300693	4.524749	4.639092
BGLU44	AT3G18080	6.9971733	6.858265	6.4856906	6.334349
AT3G18490	AT3G18490	5.799164	5.7951465	5.3545647	5.2267156
AT3G19200	AT3G19200	0.8331422	0.69495535	-1.717605	-1.6555372
AT3G19370	AT3G19370	3.1431901	3.1663716	2.7816417	2.6919105
AT3G19620	AT3G19620	0.70886534	0.46120653	-1.7742468	-1.4187063
AT3G19800	AT3G19800	3.7446477	3.7673542	3.4609578	3.2034292
UBC19	AT3G20060	5.0218673	5.041845	4.5276575	4.482351
AT3G20100	AT3G20100	3.2851944	3.3247375	2.8843668	2.947631
AT3G20200	AT3G20200	0.94591445	0.8036892	-0.47278556	-0.6309047
DELTA-VPE	AT3G20210	1.7646614	1.8350229	-1.5469722	-1.557052
AT3G20230	AT3G20230	5.1499715	5.1272664	4.653181	4.5723305
AT3G20260	AT3G20260	3.128976	3.1697855	2.7116365	2.66656
CYP705A28	AT3G20935	0.86211973	0.76430625	-4.598891	-4.683993
CYP705A30	AT3G20940	0.9877146	1.0976394	-0.003622	-0.48315987



CYP705A32	AT3G20950	-2.3420315	-2.6740773	-4.9828916	-5.0679936
AT3G21010	AT3G21010	1.3745774	1.3106551	-3.6359012	-4.2493243
AT3G21020	AT3G21020	1.1444458	1.0132791	-0.38048336	-0.23010616
AT3G21040	AT3G21040	-1.6284386	-1.3211125	-4.932224	-5.0679936
PSBTN	AT3G21055	8.314828	8.477038	7.978701	8.0504465
AT3G21150	AT3G21150	-1.0027242	-0.9644305	-4.0199018	-3.613694
AT3G21330	AT3G21330	0.94969034	0.90076095	-0.31517658	-0.6062378
BGLU19	AT3G21370	2.1526005	1.2922746	-4.4039035	-3.5260155
DMP2	AT3G21550	2.068103	1.9822712	1.315803	1.4083958
AT3G21670	AT3G21670	3.3956196	3.10754	2.9994342	2.1761105
ICL	AT3G21720	2.7872686	3.0221517	1.1505622	1.3260332
CYCP2;1	AT3G21870	1.9449755	1.8471574	0.95252776	0.5737204
AT3G22235	AT3G22235	-0.7642467	-0.58203554	-2.3902457	-2.1272163
AT3G22240	AT3G22240	3.3758879	3.7725594	2.6189015	3.0211928
RPS10	AT3G22300	4.281396	4.27138	4.0207634	3.960019
AT3G22750	AT3G22750	3.4498892	3.0637653	0.8196536	0.42508757
ELIP1	AT3G22840	1.8326935	1.651996	1.2624813	1.0209085
CIPK7	AT3G23000	5.2701626	5.498389	4.877077	4.9331007
IAA2	AT3G23030	5.130214	5.401891	4.4990067	4.669416
ETR2	AT3G23150	3.9423914	3.9098766	2.6942837	2.9154599
AT3G23325	AT3G23325	2.492076	2.5786278	1.7217464	1.6927466
XTH16	AT3G23730	3.8573263	4.2400374	3.5164788	3.7437308
AT3G23840	AT3G23840	1.6056968	1.6325351	0.9028721	1.0172172
AT3G23910	AT3G23910	3.0591614	3.0539005	2.482474	2.3246138
BAM1	AT3G23920	4.496525	4.4634795	3.7742746	3.748227
AT3G24190	AT3G24190	4.3376164	4.2465777	3.8141534	3.8111856
AT3G24740	AT3G24740	3.418255	3.3663332	2.9794414	3.029339
BHLH32	AT3G25710	2.5296054	2.4106064	1.9453764	1.8859143
MAP1B	AT3G25740	2.187357	2.3645022	1.621679	1.4904493
AT3G25920	AT3G25920	7.586756	7.625174	7.4142475	7.377498
MAD2	AT3G25980	2.9339314	2.8658924	2.0015943	2.2059033
ATPRX Q	AT3G26060	7.156307	7.244641	6.7681465	6.726256
AT3G26070	AT3G26070	5.079066	5.1402283	4.6035695	4.5864873
AT3G26080	AT3G26080	2.6197183	2.5727596	1.7625276	1.6979052
AT3G26085	AT3G26085	3.3193986	3.3185112	2.9782019	2.8720272
AT3G26240	AT3G26240	3.1250927	2.844986	0.29979452	0.9265705
CYP71B35	AT3G26310	1.875658	1.8726715	0.6595641	0.79990333
AT3G26380	AT3G26380	3.2416966	3.0931673	2.2703397	2.1868246
AT3G26450	AT3G26450	5.3216653	5.5111656	4.36624	4.47947
AT3G26460	AT3G26460	4.279072	4.8107257	3.1252124	3.4524946
AT3G26510	AT3G26510	3.9765778	3.846778	3.5101678	3.492873
TIP2	AT3G26520	9.644692	9.600244	9.133203	9.058832
PHT2;1	AT3G26570	6.2686057	6.1650085	5.8546276	5.736973
GAPA	AT3G26650	8.828599	8.863063	8.329089	8.186072
YSL6	AT3G27020	4.50682	4.5854774	4.227596	4.2152934
AT3G27050	AT3G27050	3.1391048	3.206025	2.5551493	2.5574324
CLC-B	AT3G27170	3.473304	3.1122267	2.4320793	2.2671106
AT3G27400	AT3G27400	1.2595606	1.3548266	0.3826395	0.38549152
RPL12-A	AT3G27830	7.2838616	7.3352966	7.01861	7.0628934
RPL12-C	AT3G27850	7.2342134	7.294043	6.7763467	6.724092

AT3G27860	AT3G27860	-1.3083724	-1.8766378	-4.881556	-4.9666586
AT3G27900	AT3G27900	0.43494081	0.28133917	-1.5704352	-2.0853727
GL1	AT3G27920	-0.26192674	0.11566758	-2.259473	-1.7013718
DEGP1	AT3G27925	5.245355	5.3433194	4.2449994	4.158943
AT3G27930	AT3G27930	2.586116	2.5043633	1.9581417	1.9230589
LBD26	AT3G27940	-2.4062464	-2.1789348	-4.9828916	-5.0679936
AT3G28030	AT3G28030	2.7977111	2.616545	2.2646697	2.2183948
AT3G28330	AT3G28330	-1.8468891	-1.7522321	-4.9828916	-5.0679936
AT3G28880	AT3G28880	-0.18779589	-0.4831138	-4.9828916	-5.0679936
AIG2	AT3G28930	3.3017876	3.4621465	2.052678	2.3782227
AAR3	AT3G28970	2.9206152	3.000602	2.5750732	2.6261637
ATNAC3	AT3G15500	2.1344984	2.6176121	1.367788	1.6047916
AT3G29130	AT3G29130	2.1313589	1.9695868	0.2546864	0.13640572
AT3G29180	AT3G29180	4.104258	4.0137534	3.6602395	3.6851442
AT3G29240	AT3G29240	5.9711914	5.854069	5.020342	4.932992
emb2076	AT3G29290	3.3177884	3.1904638	2.110994	1.8670368
AT3G29776	AT3G29776	0.8367176	0.41873947	-4.9828916	-5.017326
RALFL27	AT3G29780	0.23665637	0.7332697	-1.0509385	-0.34243333
COBL2	AT3G29810	1.8924589	1.9581442	0.5147889	0.5665427
AT3G32040	AT3G32040	-0.06883003	0.25775582	-4.9828916	-5.0679936
AT3G42725	AT3G42725	0.060599446	-0.07723987	-2.1386166	-1.4295133
AT3G43315	AT3G43315	0.10954658	-0.5190243	-4.9828916	-5.0679936
AT3G43320	AT3G43320	-1.5319363	-1.4594584	-4.9828916	-5.0679936
AT3G43540	AT3G43540	4.005786	4.0266056	3.7163382	3.7494729
AT3G43580	AT3G43580	0.6611094	0.5896892	-4.9828916	-5.0679936
AT3G44100	AT3G44100	4.065341	4.1548123	3.5883436	3.63233
AT3G44120	AT3G44120	-0.83209115	-0.7051136	-2.861925	-3.771671
AT3G44205	AT3G44205	0.3170618	0.39248037	-4.9828916	-5.0679936
NIT1	AT3G44310	8.138221	7.958898	7.5171	7.3884034
hda17	AT3G44490	0.06371205	0.11940998	-1.8384619	-1.8815613
AT3G44620	AT3G44620	2.9698775	2.9835827	2.4774864	2.5529025
ADT4	AT3G44720	3.380556	3.3944156	2.7989197	2.9296703
AT3G44790	AT3G44790	-1.1510682	-0.6358159	-3.7235792	-3.0347052
ACD1	AT3G44880	4.6354737	4.705303	3.7232695	3.73373
AT3G45095	AT3G45095	0.023276648	0.12744765	-1.8741001	-1.5185598
LOX2	AT3G45140	7.4534454	7.662138	6.590021	6.7079315
AT3G45253	AT3G45253	-1.4258777	-1.7801358	-4.9828916	-5.0679936
AT3G45310	AT3G45310	5.3327713	5.41119	4.1114326	4.1947107
PHOT1	AT3G45780	6.8322215	6.7521033	6.526546	6.375365
AT3G46320	AT3G46320	2.899602	3.0845149	2.3654351	2.4641793
AT3G46370	AT3G46370	-0.044567842	-0.01498374	-4.9828916	-5.0679936
AT3G46450	AT3G46450	2.8477666	2.8961344	2.2607706	2.2950068
MBD05	AT3G46580	1.4809536	1.5948066	0.002808492	-0.082750164
AT3G46658	AT3G46658	0.5082944	0.39833322	-0.46312585	-0.57335526
AT3G46700	AT3G46700	3.6659584	3.823136	2.9974997	2.879275
PTAC16	AT3G46780	7.2021136	7.3417296	6.6978416	6.7173266
COPT2	AT3G46900	2.55793	2.8974168	1.1815449	1.2641984
DUT1	AT3G46940	3.841221	4.0399556	3.343382	3.4417565
AT3G47080	AT3G47080	3.245649	3.0771396	2.5432825	2.4678571
ASN1	AT3G47340	2.500404	2.812559	0.082371734	0.9499299

PEX11B	AT3G47430	2.6816537	2.827034	2.0698109	1.7087151
LHCA4	AT3G47470	10.132804	10.337524	9.260002	9.337314
SIS3	AT3G47990	3.3390694	3.4450848	2.9265296	3.0174239
AT3G48210	AT3G48210	2.4836166	2.4796076	1.78188	1.9240671
WNK3	AT3G48260	1.1882032	1.0835342	0.4038812	0.19084889
CYP71A25	AT3G48280	0.06629063	0.29240885	-1.0927821	-0.9780636
PIMT1	AT3G48330	2.5239947	2.5490115	1.7666326	1.8245856
AT3G48390	AT3G48390	1.9799205	1.9358305	-0.46312585	-0.7979074
AT3G48420	AT3G48420	5.516666	5.5387807	4.3979683	4.338348
NPC6	AT3G48610	4.5025315	4.5168624	4.2671432	4.109458
AT3G48970	AT3G48970	1.7252269	1.8671292	0.8413809	0.9496632
ATPERX34	AT3G49120	4.586035	4.293552	3.5444949	3.5573623
AT3G49310	AT3G49310	3.8262062	3.8589065	3.560479	3.5728862
DIN11	AT3G49620	-1.2670428	-1.0781094	-4.9828916	-4.299992
MYB77	AT3G50060	2.0903714	1.6668625	1.4190985	1.0490236
CYCD3;3	AT3G50070	3.5576115	3.394394	3.0938835	2.8012607
AT3G50100	AT3G50100	1.578185	1.4235935	0.56900233	0.5839165
AT3G50160	AT3G50160	1.1309339	1.4790839	-4.9828916	-5.0173264
AT3G50340	AT3G50340	2.9714806	3.254309	2.068906	2.4027326
AT3G50350	AT3G50350	0.9843006	1.4929256	0.2557539	0.51321083
HR4	AT3G50480	3.0002384	3.1021013	-3.6359007	-3.0543365
SNRK2.2	AT3G50500	5.722811	5.805719	5.3660846	5.3404717
AT3G50520	AT3G50520	3.1019166	3.1952388	2.7150185	2.632106
AT3G50685	AT3G50685	4.5828214	4.722157	4.1380205	4.2556176
PSBO2	AT3G50820	8.439862	8.569368	7.3526154	7.2521615
AT3G51000	AT3G51000	3.7157586	3.7245226	3.1500494	3.1240776
ATTRX1	AT3G51030	0.57976925	0.6346389	-0.4689537	-0.53210694
AT3G51670	AT3G51670	4.946621	5.0011063	4.686643	4.7103457
HMGB1	AT3G51880	4.852485	4.85055	4.5817013	4.5086985
SPP2	AT3G52340	5.4199204	5.4856815	4.9898005	5.0322022
AT3G52535	AT3G52535	1.0786394	1.0291998	-2.7546158	-3.1185515
AT3G53100	AT3G53100	3.1827347	3.1089687	2.5483294	2.5960915
AT3G53190	AT3G53190	4.389981	4.456335	3.9028988	4.019331
PIP2A	AT3G53420	7.984543	8.09238	7.2891273	7.273456
AT3G53470	AT3G53470	3.3364372	3.438834	2.9713612	2.89446
AtPPa4	AT3G53620	3.1463745	3.077158	2.5871744	2.747466
AT3G53730	AT3G53730	4.9417014	5.137804	4.343291	4.4314203
AT3G53830	AT3G53830	1.4472232	1.3912522	0.28364554	0.24607825
UPP	AT3G53900	4.5303593	4.561406	4.281276	4.2605376
AT3G53980	AT3G53980	3.84639	4.0265613	3.0060823	3.24679
AT3G54030	AT3G54030	2.97736	3.1646264	2.6453454	2.5976913
HCEF1	AT3G54050	6.850746	6.8859496	6.183655	6.137192
AT3G54140	AT3G54140	4.359183	4.449583	3.9554996	3.9146373
AT3G54210	AT3G54210	7.5400314	7.6003385	7.353447	7.357183
AT3G54366	AT3G54366	5.4401836	5.533392	3.3248174	3.42686
AT3G54440	AT3G54440	5.056822	4.886208	4.683087	4.4716377
AT3G54500	AT3G54500	6.214678	6.1328826	4.4985723	4.6587105
GR	AT3G54660	6.527902	6.4837875	6.2068048	6.1888275
AT3G54830	AT3G54830	3.934212	4.0285006	3.4795005	3.56246
LHCA1	AT3G54890	9.531022	9.765525	8.803527	8.944218

AT3G54900	AT3G54900	5.0351825	5.1241546	4.566776	4.604013
AT3G54940	AT3G54940	-0.46194983	-1.8630905	-4.2655573	-4.9666586
TON1A	AT3G55000	3.664321	3.6828413	3.2917614	3.3413513
GSTL2	AT3G55040	3.8412275	3.9350255	3.3100631	3.3728306
TT5	AT3G55120	3.9947736	3.9915426	3.4765131	3.381562
ATWBC19	AT3G55130	4.352232	4.5471873	3.9915192	4.264139
AT3G55240	AT3G55240	4.6603293	4.6363907	3.860279	3.6107543
AT3G55250	AT3G55250	5.5780206	5.482615	4.9622374	4.898928
SBPASE	AT3G55800	7.619783	7.721676	6.983248	6.9675884
AT3G56210	AT3G56210	3.0637074	3.0771706	2.6309004	2.4504097
AT3G56290	AT3G56290	3.44726	3.5928602	2.085918	2.0348775
AT3G56460	AT3G56460	4.998668	4.961365	4.5162354	4.514404
AT3G56600	AT3G56600	-0.096135885	-0.8370897	-4.9828916	-5.0679936
AT3G56680	AT3G56680	4.997893	4.9351954	4.667698	4.5524096
CRD1	AT3G56940	8.730245	8.939314	8.064364	8.12783
AT3G57010	AT3G57010	3.5230064	3.422207	3.059674	2.969986
AT3G57020	AT3G57020	4.0527873	4.218284	3.6708858	3.5617268
AT3G57030	AT3G57030	3.470095	3.542035	3.1235466	3.1218605
AT3G57160	AT3G57160	1.0349326	0.7956727	-0.6593171	-0.89373666
AT3G57680	AT3G57680	-0.52134734	-0.38532755	-4.9828916	-5.017326
AT3G57770	AT3G57770	0.78465533	0.59971476	-0.08495262	-0.22039069
AT3G57880	AT3G57880	3.9422665	3.818374	3.3416128	3.3595848
SINAT2	AT3G58040	3.424199	3.329155	3.0749874	2.9572976
AT3G58220	AT3G58220	2.719818	2.7006166	-0.27363437	-0.48984078
AT3G58430	AT3G58430	2.6735551	2.5587318	1.2247411	1.1045526
AT3G58490	AT3G58490	3.5588272	3.6826756	3.291543	3.3299325
AT3G58550	AT3G58550	2.9996414	3.1696594	1.1688418	1.2898965
AT3G59000	AT3G59000	1.1639074	0.93716747	0.052739363	-0.3923891
AT3G59080	AT3G59080	1.6375037	1.7888523	1.090165	1.2365552
AT3G59200	AT3G59200	-1.0627171	-0.7940757	-3.774247	-3.0543363
PRN	AT3G59220	3.593022	3.8350725	3.1519623	3.4093745
GUN4	AT3G59400	5.4725075	5.6074414	4.5056667	4.5261703
AT3G59680	AT3G59680	0.754065	0.71436495	-0.67911273	-0.69008404
IQD13	AT3G59690	2.3807533	2.448928	1.9225034	1.9396833
AT3G59780	AT3G59780	5.888395	5.8102517	5.5617623	5.4542923
AT3G59880	AT3G59880	-1.1977118	-0.7433278	-4.548223	-4.0543365
AT3G59910	AT3G59910	4.057715	4.004127	3.7051027	3.7057784
AT3G60520	AT3G60520	3.6591403	3.9552555	2.7411487	3.2775753
GATA4	AT3G60530	5.7235756	5.600619	5.0211444	5.1322174
AT3G60750	AT3G60750	9.258607	9.149934	9.017866	8.916482
AT3G60930	AT3G60930	0.8299735	1.0757327	-4.881556	-4.9666586
AT3G60950	AT3G60950	4.364286	4.344555	-4.9828916	-4.633325
AT3G60960	AT3G60960	2.1835766	2.1903136	-4.9828916	-5.0173264
AT3G60980	AT3G60980	2.7624168	2.826259	-4.9828916	-5.0679936
AT3G61010	AT3G61010	4.1853557	3.9922879	-4.9828916	-4.633325
AT3G61028	AT3G61028	-2.4493408	-1.945455	-4.9828916	-5.0679936
AT3G61030	AT3G61030	2.4889898	2.2809036	-4.9828916	-5.0679936
AT3G61080	AT3G61080	2.9359148	2.9947426	2.2529213	2.161533
BRH1	AT3G61460	4.724008	4.765454	4.4072466	4.370012
LHCA2	AT3G61470	9.364979	9.5825615	8.830888	8.91515

AT3G61870	AT3G61870	5.6323895	5.6108794	5.2488866	5.159128
GLP10	AT3G62020	1.6224972	1.5877461	1.0481373	0.9245429
ROC4	AT3G62030	8.0486765	8.152137	7.8707185	7.8725734
AT3G62270	AT3G62270	4.324261	4.2463145	3.8962429	3.7712402
BGLU7	AT3G62740	1.0616189	0.938505	-0.57703805	-0.1542862
ATGID1B	AT3G63010	2.7038069	1.9538473	2.107315	1.3864089
CSP41A	AT3G63140	6.9312234	6.9839554	6.6681848	6.6526065
AT3G63170	AT3G63170	3.997772	4.0443287	3.660817	3.566101
RRF	AT3G63190	6.6524696	6.629778	6.44199	6.3315434
APG1	AT3G63410	7.3747344	7.482857	7.057074	7.081923
AT3G63540	AT3G63540	5.880687	5.931646	5.5225024	5.571696
UNE10	AT4G00050	2.5115798	2.62977	1.7320119	1.7844764
XSP1	AT4G00230	3.023695	3.0173156	2.5606916	2.484833
AT4G00234	AT4G00234	-1.4763864	-0.8084319	-4.9828916	-5.0679936
RLK4	AT4G00340	4.132221	4.0747914	3.7325964	3.6493416
TROL	AT4G01050	7.597944	7.6382904	7.1105914	7.152321
AT4G01150	AT4G01150	7.9305043	8.079015	7.6703095	7.693205
AT4G01310	AT4G01310	7.320582	7.3968086	7.05003	7.022087
AT4G01390	AT4G01390	1.9021381	1.6947771	0.4261715	0.23668341
ATEXPA17	AT4G01630	0.46251115	-0.43599513	-0.6709617	-2.2803602
PPOX	AT4G01690	6.0520725	6.0678306	5.736841	5.7602324
AT4G01883	AT4G01883	3.0149965	3.1102743	2.2918873	2.2296917
AT4G01925	AT4G01925	-2.272734	-1.6816505	-4.932224	-5.0679936
AT4G01930	AT4G01930	-2.0184135	-1.7382921	-4.9828916	-4.438338
EZA1	AT4G02020	4.3252716	4.204314	4.0818496	3.962387
SAG21	AT4G02380	7.22905	7.459198	5.9473367	6.3060317
AT4G02405	AT4G02405	2.522619	2.5066345	1.9220158	1.9689194
AT4G02530	AT4G02530	5.5731034	5.6775475	5.1559925	5.109236
AT4G02620	AT4G02620	5.205124	5.359325	4.8482413	4.959475
AT4G02660	AT4G02660	0.3170618	0.15953691	-2.3282902	-2.1926823
AT4G02770	AT4G02770	8.932988	9.110335	8.464101	8.51345
AT4G02850	AT4G02850	2.3642235	1.8005139	-3.0569124	-3.613694
UBQ14	AT4G02890	6.478411	6.680519	6.0383873	6.072176
AT4G02900	AT4G02900	1.5731316	1.7001934	0.8668142	0.7959125
AT4G02920	AT4G02920	6.2264996	6.200014	5.47504	5.304705
PETC	AT4G03280	8.100413	8.231956	7.6204147	7.6265435
AT4G03530	AT4G03530	-0.61992687	-1.2099711	-4.9828916	-5.0679936
AT4G03820	AT4G03820	1.618544	1.7459255	0.62362915	0.76004285
AT4G03830	AT4G03830	-1.522221	-1.2787882	-4.9828916	-5.0679936
MEE51	AT4G04040	5.497689	5.434206	5.028898	4.9456754
AT4G04426	AT4G04426	1.0928378	1.0228918	0.09684583	0.091465354
AT4G04460	AT4G04460	0.9198623	1.1328746	0.055999685	0.38006687
ATPC1	AT4G04640	8.163129	8.2525625	7.8004384	7.768968
AT4G05070	AT4G05070	4.1992054	4.135117	3.5083282	3.4829295
PSBQ	AT4G05180	8.570457	8.816383	8.17018	8.206169
AT4G05631	AT4G05631	2.3659325	1.4491221	-4.9828916	-5.017326
AT4G07410	AT4G07410	5.344709	5.194904	4.725596	4.542109
AT4G07825	AT4G07825	4.652699	4.620939	-4.403903	-3.9666586
AT4G07868	AT4G07868	2.9453437	3.0623238	-4.9828916	-5.0679936
AT4G07950	AT4G07950	2.3955398	2.343935	-4.9828916	-5.0679936

AT4G08570	AT4G08570	0.5439437	-0.19420266	-1.0891527	-1.8494333
AT4G08780	AT4G08780	2.1269104	2.2690744	0.5115741	1.1275731
AT4G08870	AT4G08870	5.49605	5.4954515	3.7215128	3.7456925
AT4G09350	AT4G09350	2.213335	2.1436713	1.6815361	1.372007
AT4G09650	AT4G09650	7.8312697	7.984717	7.2556863	7.2226295
AT4G09670	AT4G09670	4.667809	4.723644	4.4431233	4.3716216
CTC1	AT4G09680	2.6120145	2.3968349	1.6048037	1.6487093
AT4G09760	AT4G09760	3.5164235	3.4431124	1.9412061	1.9334828
AtHSD5	AT4G10020	-1.8643783	-2.2099712	-4.9828916	-5.0679936
LHCB5	AT4G10340	9.914581	10.144883	9.180139	9.221907
AT4G10810	AT4G10810	3.1880462	3.2909567	2.4987843	2.726978
AT4G11410	AT4G11410	2.803777	2.828494	2.112711	2.0914834
CRK30	AT4G11460	4.027832	3.9688528	2.2431061	2.1128044
AT4G11570	AT4G11570	4.318159	4.38362	3.3470924	3.402455
PLDGAMMA2	AT4G11830	4.7317724	4.6123962	1.5828886	1.6056823
AT4G11900	AT4G11900	1.439319	1.2109882	0.17956372	0.27593458
CYP706A5	AT4G12310	4.4859686	4.3813205	3.3595502	3.2293584
AT4G12800	AT4G12800	9.487004	9.6766405	9.015489	9.057358
AT4G12910	AT4G12910	2.922225	3.1297734	2.3221579	2.2221704
AT4G12917	AT4G12917	-0.105670236	-0.2349395	-4.881556	-4.633325
AT4G13010	AT4G13010	4.5049543	4.648744	4.1084075	4.175329
AT4G13270	AT4G13270	3.2848942	3.3081586	2.4278111	2.4788735
AT4G13340	AT4G13340	4.607084	4.651729	4.1405315	4.2717595
AT4G13400	AT4G13400	1.636403	1.6758016	0.9696936	1.1343285
ATCSLA15	AT4G13410	1.378797	1.3144697	0.06970952	-0.053398103
HAK5	AT4G13420	0.83011466	1.1715168	-0.43407443	-0.1969276
AT4G13575	AT4G13575	-0.15106826	-0.23215865	-3.1642218	-3.2803605
UNE16	AT4G13640	3.3670566	3.4272993	2.8623476	2.8513355
ATPRR2	AT4G13660	3.8501337	4.0563636	3.0263088	3.3563135
J20	AT4G13830	3.8377838	3.895971	2.6250174	2.634917
AT4G13840	AT4G13840	5.1056485	5.308374	4.716794	4.6692586
AT4G13920	AT4G13920	0.22455053	-0.12732875	-2.4409134	-1.6779088
RALFL32	AT4G14010	2.4646647	2.4713151	2.0373538	2.0684774
XTR7	AT4G14130	4.8491654	4.558714	3.2813683	3.1076784
DMT2	AT4G14140	0.21061043	0.019795185	-1.6409365	-1.7285763
AT4G14240	AT4G14240	3.3808527	3.3652985	3.0080833	2.9430609
ATECI3	AT4G14440	3.8345013	3.7348297	3.2774906	2.7424338
AT4G14480	AT4G14480	1.3597895	1.2127072	0.49319884	0.4271051
IAA1	AT4G14560	1.7734666	2.1353056	1.2696282	1.1405858
emb2739	AT4G14590	0.25480568	0.06443399	-1.4442648	-2.2568972
AT4G14615	AT4G14615	3.9483404	4.0031505	3.4560633	3.4425478
GLP9	AT4G14630	-0.1977117	0.3509935	-2.0569124	-2.6555374
APS3	AT4G14680	3.5053635	3.6709454	2.8882782	2.9727976
ELIP2	AT4G14690	1.1872042	1.0860591	-4.3025675	-2.6643617
ATARD1	AT4G14716	4.446342	4.543125	4.241612	4.271101
AT4G14870	AT4G14870	3.998603	4.1127167	3.5491428	3.5409153
AT4G14890	AT4G14890	5.3274	5.3632774	4.5188966	4.473315
AT4G14900	AT4G14900	4.242563	4.2757316	3.91296	3.9767382
AT4G14905	AT4G14905	2.4213238	2.3491952	-4.9828916	-4.9666586
HISN5B	AT4G14910	4.060307	4.0519004	3.4540422	3.404314

AT4G14930	AT4G14930	4.3193293	4.422531	3.194692	3.3207169
scpl30	AT4G15100	-1.6383543	-1.5169424	-4.932224	-5.0173264
CYP705A4	AT4G15380	0.46445334	0.84581095	-1.1717952	-1.5335889
AT4G15430	AT4G15430	2.2929125	2.1737816	1.5658917	1.2701572
HPL1	AT4G15440	0.17897035	0.25757548	-1.0879489	-1.0199071
CLA1	AT4G15560	7.344593	7.238991	7.0476456	6.85708
AT4G15563	AT4G15563	0.34284565	0.13816017	-0.67911273	-0.86840886
AT4G15765	AT4G15765	2.9773948	3.268999	2.0901089	2.0367343
AT4G16060	AT4G16060	3.1888466	3.476977	2.763213	2.9178984
AT4G16140	AT4G16140	3.019024	3.0318515	2.4500144	2.689624
AT4G16180	AT4G16180	4.6627536	4.5602064	4.0090632	3.987943
ATMES16	AT4G16690	2.9986048	2.9800289	2.0408804	1.8006977
AT4G16765	AT4G16765	2.2470357	2.29896	1.7365261	1.5478803
AT4G16770	AT4G16770	2.709258	2.6729987	0.89335823	0.88115215
VRN2	AT4G16845	3.4228928	3.465474	2.405547	2.4990408
AT4G16980	AT4G16980	6.339152	6.496244	6.0228887	5.9687366
AT4G17030	AT4G17030	2.1764672	1.9981713	0.26453453	0.05347359
TIP2;2	AT4G17340	5.8575187	6.168459	4.4161477	4.5025077
AT4G17470	AT4G17470	3.329684	3.8463297	1.2346584	1.3811995
LIL3;1	AT4G17600	5.98047	5.948443	5.44264	5.369661
AT4G17800	AT4G17800	2.3782704	2.3490248	1.9556142	1.9281855
AT4G17840	AT4G17840	3.8692138	4.006206	3.0591643	3.0428975
ALMT12	AT4G17970	1.8865027	1.9927658	1.383613	1.2455436
APRR2	AT4G18020	3.852002	3.816953	3.4654074	3.5268373
KAT2	AT4G18290	2.6989784	2.5365617	1.9114558	1.7200562
AT4G18480	AT4G18480	7.5468955	7.5426745	7.3230286	7.2654877
AT4G18740	AT4G18740	1.4661579	1.8659706	0.8512588	1.0037512
AT4G18810	AT4G18810	4.3927464	4.3197427	4.1816597	4.013244
AT4G18820	AT4G18820	3.7695675	3.5484455	3.4168901	3.2539217
AT4G18975	AT4G18975	4.060888	4.1258616	2.918256	3.0231874
AT4G19010	AT4G19010	1.4010583	1.3577	0.50232744	0.6003235
AT4G19080	AT4G19080	-1.360412	-1.4912648	-4.0199018	-4.054336
NCED4	AT4G19170	3.3279526	3.7689846	2.440065	2.5731497
AT4G19190	AT4G19190	3.1300666	3.0940864	2.4774914	2.438413
AT4G19550	AT4G19550	1.7063637	1.8961558	1.0066504	0.6699753
RING	AT4G19700	2.192189	1.4828472	1.6892325	0.7588107
ATAAH	AT4G20070	3.5355923	3.5968082	2.8830116	2.8879325
AT4G20210	AT4G20210	5.4136653	5.2261443	-2.3025677	-1.5902306
AT4G20230	AT4G20230	1.7831265	1.809457	0.06737592	0.22421546
CYP71A28	AT4G20235	-0.13958804	0.17456625	-4.932224	-5.0679936
AT4G20320	AT4G20320	3.3193169	3.5495803	2.6668856	2.9752605
AT4G20360	AT4G20360	9.215238	9.169845	8.940735	8.9023485
smB	AT4G20440	4.847955	4.889322	3.9098008	3.95143
AT4G20480	AT4G20480	-1.6605668	-1.5897502	-4.9828916	-5.0679936
AT4G20760	AT4G20760	2.853452	2.9944048	2.2420328	2.3705232
AT4G20860	AT4G20860	3.3620844	3.3818028	2.8194876	2.7787755
FAH2	AT4G20870	3.594434	3.7197278	3.2246094	3.2578766
PSBQ	AT4G05180	8.400033	8.570525	7.8504105	7.832699
AT4G21323	AT4G21323	-0.19921689	-0.49435744	-2.5285914	-2.4322536
ATSBT3.12	AT4G21326	4.33545	4.182806	1.0633126	1.2653674

AT4G21460	AT4G21460	3.6406705	3.6622417	3.0879018	3.047416
ATMSRB7	AT4G21830	3.3857958	3.3850842	2.8956234	2.87974
ATMSRB9	AT4G21850	5.0807185	5.2620397	4.407482	4.6578555
MSRB2	AT4G21860	5.6133056	5.778124	4.3600793	4.455284
AT4G21870	AT4G21870	3.5846033	3.688217	3.1239693	3.2576008
PRORP3	AT4G21900	3.0120456	2.960621	2.5479214	2.599005
AT4G22190	AT4G22190	3.7913024	4.0288277	3.551527	3.7006009
AKT2/3	AT4G22200	2.7352836	2.966917	2.3032243	2.1369698
AT4G22230	AT4G22230	2.1410332	2.2028635	0.9763131	0.9926999
AT4G22240	AT4G22240	5.982195	6.083656	5.6608086	5.677851
AT4G22280	AT4G22280	1.5499249	1.5327698	0.19248515	-0.11052335
AT4G22350	AT4G22350	3.6402519	3.461045	2.6429908	2.529045
AT4G22410	AT4G22410	-0.9123326	-0.68708795	-4.9828916	-5.0679936
AT4G22485	AT4G22485	5.172615	4.934437	4.2320685	4.379007
AT4G22490	AT4G22490	4.6434426	4.6320305	3.618912	3.7065098
AT4G22505	AT4G22505	4.7880883	4.524631	3.6201084	3.7034225
AT4G22513	AT4G22513	4.114992	4.1010756	2.8611383	2.752051
AT4G22517	AT4G22517	4.534145	4.511703	2.7682886	3.027217
LDOX	AT4G22880	0.9086421	-0.8660682	-0.47284126	-2.9470272
PGR5-LIKE A	AT4G22890	6.2022095	6.2521443	4.6579366	4.587275
IQD22	AT4G23060	2.8029222	2.4576373	2.3350258	1.9007878
SP1L5	AT4G23496	-0.4149116	-0.16726959	-1.6434742	-1.9654077
AT4G23500	AT4G23500	3.2686474	3.1710415	2.6863575	2.436471
AT4G23510	AT4G23510	2.5095758	2.5683675	1.9675213	1.9080545
AT4G23680	AT4G23680	7.2781997	7.341414	4.951481	5.14273
AT4G23890	AT4G23890	4.356275	4.5669994	3.9125712	3.8544295
MIR824A	AT4G24415	0.8499913	0.70609313	-0.42248598	-0.21774475
GWD3	AT4G24450	2.9421642	2.5329056	2.0650585	1.6710758
CER2	AT4G24510	4.3591	4.398387	3.9439776	3.796489
AT4G24700	AT4G24700	0.70754534	0.8505246	-0.52596885	-0.9011925
AT4G24780	AT4G24780	5.125767	5.209	4.06156	4.0961585
AT4G24930	AT4G24930	4.868557	4.9842567	4.648068	4.6194816
CHLM	AT4G25080	6.6285243	6.6762047	6.3070674	6.3607
FSD1	AT4G25100	8.24659	8.39977	7.885449	7.7575073
PMSR4	AT4G25130	6.442652	6.4813857	6.184877	6.231933
OLEO1	AT4G25140	1.0034009	0.42839912	-4.9828916	-5.0679936
AT4G25290	AT4G25290	3.0534365	3.110606	2.2319467	2.2818882
AT4G25580	AT4G25580	-1.0720552	-1.4136238	-3.497555	-4.299992
BETA-OHASE 1	AT4G25700	4.208601	4.054296	3.6880105	3.604597
AT4G25870	AT4G25870	4.308061	4.3633933	3.8919964	3.9976778
AT4G26170	AT4G26170	-0.24425356	-0.37178016	-2.0334492	-2.8086812
AT4G26220	AT4G26220	3.090006	3.6000736	2.0917864	2.4593813
AT4G26320	AT4G26320	0.8170864	0.9916494	-0.3646405	-0.48292124
ATFIM1	AT4G26700	4.219884	4.168965	3.7637289	3.636693
VTC2	AT4G26850	5.740032	5.727941	5.0707345	4.9839077
AT4G26860	AT4G26860	3.9496143	4.067982	3.5240383	3.5539405
FAD4	AT4G27030	2.8185866	2.8200195	1.8038603	1.8197159
VPS22	AT4G27040	3.739104	3.809805	3.3394563	3.4784553
SESA1	AT4G27140	-1.4852105	-1.5479065	-4.932224	-5.0679936
ATK2	AT4G27180	4.511139	4.4432893	4.1143622	4.1679363



AT4G27220	AT4G27220	-1.5270542	-1.8630906	-4.9828916	-5.0679936
HTA2	AT4G27230	4.306911	4.482324	4.1019764	4.1643147
GH3.5	AT4G27260	4.259828	4.143445	3.8375404	3.7671254
AT4G27310	AT4G27310	3.8511999	3.994168	3.3392496	3.4329166
AT4G27450	AT4G27450	4.183475	4.0605106	3.6895056	3.5481129
AT4G27595	AT4G27595	2.6298466	2.5009491	2.166602	2.0597346
AT4G27700	AT4G27700	4.8806996	5.0883145	4.599207	4.5768094
AT4G28030	AT4G28030	4.6371	4.7149158	4.2734427	4.239122
AT4G28080	AT4G28080	7.683582	7.3784738	7.3214364	7.07159
AT4G28100	AT4G28100	2.7545273	2.5973432	2.1989636	2.1783898
ATEXPB3	AT4G28250	4.712279	4.692314	3.1890345	3.3491533
AT4G28400	AT4G28400	2.7886124	2.9852383	2.4334993	2.5521464
RLK5	AT4G28490	2.6153986	2.6898944	2.1005073	2.0970538
CRU3	AT4G28520	3.5707245	3.4520319	-4.9828916	-5.0679936
PSB28	AT4G28660	5.6294036	5.7320514	5.2085605	5.188756
TYRDC	AT4G28680	0.4497932	1.4262058	-0.57925934	0.17489813
YUC8	AT4G28720	1.1497108	1.5583372	-0.06952142	0.4630598
AT4G28740	AT4G28740	3.2730129	3.2034013	2.8953066	2.8072307
PSAE-1	AT4G28750	8.404699	8.708561	7.9228644	7.988102
AT4G28760	AT4G28760	4.7373	4.5062337	4.120958	4.1144567
AT4G29030	AT4G29030	3.5973027	3.8562758	2.7731202	3.0630827
AT4G29270	AT4G29270	3.9728725	4.154085	3.186766	3.3504364
AT4G29930	AT4G29930	1.1753455	1.4888397	0.3405185	0.92382675
CDEF1	AT4G30140	4.2988925	4.059731	3.47381	3.5523365
ATXTH19	AT4G30290	2.8221686	2.833872	2.1647477	2.1318114
AT4G30730	AT4G30730	-0.8610503	-0.83080333	-4.9828916	-5.0679936
AT4G30910	AT4G30910	4.5325146	4.530126	3.8393447	3.8017685
FAD6	AT4G30950	7.270476	7.266594	7.0149364	6.961864
AT4G31310	AT4G31310	3.0786982	2.9623349	2.212843	2.2897446
AT4G31530	AT4G31530	4.1228166	4.228202	3.1299267	3.082338
WIN2	AT4G31750	3.3301094	3.2725723	2.8220663	2.8788712
ASY2	AT4G32200	0.99096125	0.6722369	-4.598891	-4.4890056
AT4G32208	AT4G32208	2.2007866	2.1577914	-4.9828916	-5.0679936
AT4G32240	AT4G32240	4.477095	4.6016784	4.27997	4.261091
AT4G32260	AT4G32260	7.9397073	8.086998	7.4785333	7.4850354
IAA29	AT4G32280	2.557249	2.8201275	-0.10012419	0.73515815
AT4G32590	AT4G32590	3.9799755	4.1035967	3.728279	3.7646837
AtGLDP1	AT4G33010	8.171475	8.021768	7.5530605	7.422629
AT4G33120	AT4G33120	2.0026567	1.923926	1.3344512	1.3435224
AT4G33150	AT4G33150	4.547243	4.3309164	4.11285	4.0663075
AT4G33420	AT4G33420	3.2484558	3.3124816	2.8375065	3.0042896
AT4G33540	AT4G33540	4.4643383	4.62002	4.2391047	4.374265
AT4G33550	AT4G33550	2.1472504	2.2103162	0.3328538	0.4704361
ATBCA5	AT4G33580	5.096791	5.273638	4.7939878	5.0269036
AT4G33666	AT4G33666	2.4032977	2.657047	0.87766343	1.086527
ABF3	AT4G34000	4.403889	4.3388963	4.149326	4.087729
DML3	AT4G34060	-0.01680611	-0.09906864	-4.0199018	-4.633325
sep-01	AT4G34190	6.169164	6.260755	5.6874204	5.6604595
AT4G34215	AT4G34215	3.4785814	3.5278018	3.0999098	3.233918
AT4G34220	AT4G34220	4.3910756	4.368299	4.1891103	4.114952

CAD5	AT4G34230	4.6121497	4.6597075	4.2216697	4.311358
AT4G34350	AT4G34350	7.091002	7.133278	6.6134543	6.5843396
CIB1	AT4G34530	4.045973	4.253508	3.7727087	3.9326355
AT4G34750	AT4G34750	1.5974799	1.6637167	1.0169802	0.97376007
AT4G34881	AT4G34881	4.343204	4.281923	-4.9828916	-3.9159906
CAT2	AT4G35090	7.6187325	7.768021	6.381473	6.3636203
AT4G35160	AT4G35160	3.042185	3.3596077	2.3382113	2.6697123
AT4G35250	AT4G35250	5.5130157	5.5528283	4.717972	4.6279335
AT4G35720	AT4G35720	3.9623404	4.029937	3.0323246	2.9459898
SEN1	AT4G35770	5.668323	5.7453065	4.8674235	5.031343
BGAL3	AT4G36360	5.756533	5.6346016	5.426403	5.3059897
AT4G36430	AT4G36430	2.894297	3.1732025	2.239276	2.427183
AT4G36530	AT4G36530	3.8135526	3.9161701	3.2131674	3.2170346
RCE1	AT4G36800	5.583177	5.701973	5.360958	5.360447
AT4G36850	AT4G36850	4.798483	4.6937785	4.4147887	4.2163863
LEJ2	AT4G36910	3.9200325	3.868953	3.5502985	3.5349061
AT4G37200	AT4G37200	4.6619506	4.7379894	4.0640793	4.039142
AT4G37270	AT4G37270	4.7384295	4.713323	4.51123	4.369819
AT4G37310	AT4G37310	2.9959285	2.9557579	2.297166	1.8160244
AT4G37320	AT4G37320	2.6611185	2.6333826	1.1597122	0.67847854
AT4G37330	AT4G37330	3.562498	3.446057	1.9363912	1.989872
AT4G37480	AT4G37480	2.6007788	2.5196614	1.9728918	1.9953924
AT4G37520	AT4G37520	4.172041	4.213022	3.530125	3.506487
AtbZIP7	AT4G37730	0.09740745	0.25033018	-1.0817771	-1.306083
SQE3	AT4G37760	3.9180138	3.9117603	3.1831205	3.1155608
ACS8	AT4G37770	-0.92808485	-0.69519776	-3.4409134	-5.0173264
NDH-M	AT4G37925	3.966622	3.8913543	3.5013154	3.2727134
SHM1	AT4G37930	8.986415	9.032845	8.281059	8.196113
ELI3-1	AT4G37980	5.571015	5.8067665	4.7563353	4.875195
AT4G38410	AT4G38410	0.5380984	0.5126157	-1.081975	-1.0777526
sks9	AT4G38420	3.2793205	3.1489866	2.916628	2.8312047
AT4G38545	AT4G38545	1.3267989	1.3731643	0.18056794	-0.23726606
AT4G38540	AT4G38540	4.1091685	4.286809	3.308768	3.603609
AT4G38810	AT4G38810	4.2694855	4.264921	3.8751366	3.9661486
FBA2	AT4G38970	9.247058	9.221763	8.817038	8.763057
AT4G39320	AT4G39320	1.2593817	1.3087729	0.11777154	-0.22841702
ATCAD9	AT4G39330	6.0259233	6.2158637	5.7999787	5.834479
MI-1-P SYNTHAS	AT4G39800	5.337834	5.4890666	4.4675145	4.5172157
SNRK2-7	AT4G40010	1.8771877	1.6532806	0.8624814	0.92942506
LHCB4.1	AT5G01530	9.404397	9.627713	9.006233	9.082469
AT5G01595	AT5G01595	2.1580498	2.1660473	1.2668215	1.4807783
ATSR1	AT5G01820	3.562185	3.4365005	2.8128226	2.8423462
ATOF1	AT5G01840	2.4761286	2.2559025	1.1689942	1.2193308
AT5G02020	AT5G02020	2.5357442	2.6363564	0.8227095	0.91004735
AT5G02060	AT5G02060	-0.090402305	-0.028334776	-1.5543141	-1.4693741
OHP	AT5G02120	4.589263	4.6732826	4.2485785	4.151823
AT5G02230	AT5G02230	2.988717	3.0470698	2.4979513	2.1018233
ATNAP9	AT5G02270	3.6405296	3.5757847	3.1958826	3.1629303
AT5G02440	AT5G02440	1.6770391	1.7292897	0.9745018	0.9575688
AT5G02540	AT5G02540	4.7664027	5.0700173	3.0423763	3.45047

AT5G02760	AT5G02760	6.399945	6.502407	5.406546	5.3913093
GSTL3	AT5G02790	5.6276956	5.6797605	5.4194007	5.3691635
LCL1	AT5G02840	4.4460015	4.4614825	3.673403	3.6915295
CPUORF47	AT5G03190	2.819495	2.8007061	1.1610608	1.3390098
AT5G03230	AT5G03230	3.4386384	3.3601732	2.8279755	2.6127903
AT5G03310	AT5G03310	-0.3893712	-0.6791126	-2.3336039	-3.0347052
AT5G03390	AT5G03390	1.0903217	1.1927154	-0.76433104	-0.64113694
AT5G03495	AT5G03495	0.071406595	-0.006472023	-2.333604	-2.5902307
AT5G03500	AT5G03500	2.5903788	2.6268032	1.895171	1.937394
AT5G03545	AT5G03545	2.682102	2.8938715	1.9217824	2.0463924
AT5G03552	AT5G03552	0.4505745	0.62808627	-1.6211029	-1.2197279
AT5G03555	AT5G03555	4.3763504	4.478207	3.5233638	3.557339
ATIREG2	AT5G03570	0.7719638	0.74681705	-0.044854566	-0.11953644
SBE2.2	AT5G03650	5.6385627	5.6047807	5.2734437	5.2200723
ATCSLA09	AT5G03760	4.677326	4.887325	4.1867886	4.280893
GYRB3	AT5G04110	2.8425467	2.833025	2.394184	2.3175142
GLU1	AT5G04140	8.795194	8.567417	8.035299	7.8335967
AT5G04190	AT5G04190	2.4732034	2.4625733	1.6924437	1.7587098
AT5G04330	AT5G04330	0.61243916	0.6408758	-0.8384619	-0.6898639
SIM	AT5G04470	2.6429157	2.6797028	2.1086557	2.2369983
AT5G05060	AT5G05060	6.5732694	6.5906396	3.7146008	3.7268524
AT5G06190	AT5G06190	0.6114883	0.72874904	-0.37037417	-0.9796693
AT5G06210	AT5G06210	2.936596	2.945515	2.5424068	2.547384
2-Cys Prx B	AT5G06290	6.0654964	6.0693755	5.849645	5.816957
AT5G06370	AT5G06370	3.7805068	3.6602526	3.508192	3.3969972
AT5G06530	AT5G06530	3.328023	3.1624594	2.59797	2.6725428
AT5G06590	AT5G06590	1.0052657	1.4114586	0.30424735	0.07212303
LEA4-5	AT5G06760	0.09740746	-0.63098264	-2.4409134	-3.6468723
PGIP2	AT5G06870	3.6934955	3.882962	2.7434337	2.8868191
AT5G07020	AT5G07020	5.7279496	5.7752776	5.478508	5.4872746
AT5G07030	AT5G07030	5.6759076	5.6004105	4.9332347	5.0262947
ERL2	AT5G07180	2.9415615	2.6445239	2.528839	2.0730848
ANAC080	AT5G07680	0.8950417	0.8562069	-1.2594733	-1.1690601
AT5G08050	AT5G08050	5.417595	5.582552	5.095841	4.9717374
AT5G08650	AT5G08650	5.675829	5.628273	5.4593606	5.308519
AT5G08720	AT5G08720	3.5746672	3.5467577	3.056016	3.0548756
AT5G09300	AT5G09300	1.8540897	1.8764557	1.2675757	1.2080895
PMDH2	AT5G09660	7.307505	7.364157	6.594251	6.506008
AT5G10120	AT5G10120	0.49191427	0.23522983	-3.1075802	-3.7210033
AT5G10130	AT5G10130	2.9004145	3.169631	2.4423778	2.7418764
AT5G10150	AT5G10150	2.0230305	2.1961877	1.200993	1.177805
DOT3	AT5G10250	-0.58469045	-0.2800835	-2.0334492	-2.218405
AT5G10390	AT5G10390	4.148323	4.227707	3.486885	3.5026305
KAC1	AT5G10470	4.9150867	4.717613	4.613913	4.409591
AT5G10620	AT5G10620	1.2803844	1.276506	0.45224667	0.39079368
AT5G10650	AT5G10650	2.5526593	2.5231798	1.9537307	1.8383957
AT5G10670	AT5G10670	-0.8041876	-1.2099713	-4.9828916	-5.0679936
ATER	AT5G10810	3.3131075	3.312586	2.9524982	2.9783154
AT5G12050	AT5G12050	3.962265	4.3193226	3.3366058	3.4970846
AT5G12210	AT5G12210	4.818707	4.834455	4.526215	4.577376

AT5G12470	AT5G12470	5.3977966	5.462354	5.19634	5.247803
DiT1	AT5G12860	8.344481	8.294402	7.9690156	7.9540753
GUN5	AT5G13630	8.650353	8.588946	7.706278	7.634233
AT5G13770	AT5G13770	4.3206034	4.384382	3.2224464	3.1658561
AT5G13890	AT5G13890	2.8319232	2.7667286	1.5640174	1.5666558
CARAB-AK-LYS	AT5G14060	5.3438325	5.2661877	5.0649347	4.899629
CA2	AT5G14740	8.791245	8.771525	8.323665	8.215278
AO	AT5G14760	3.4364119	3.439846	2.516344	2.74554
P5CR	AT5G14800	6.0027046	5.768233	5.6905003	5.521707
AT5G14830	AT5G14830	0.33023795	0.068862595	-4.9828916	-5.017326
GASA4	AT5G15230	6.2629204	6.6442127	5.878453	6.18607
AT5G15290	AT5G15290	-0.41842183	0.011920244	-3.1075802	-3.5260155
AT5G15450	AT5G15450	5.63695	5.4470963	5.1662083	5.0737076
AT5G15510	AT5G15510	2.2132754	2.255429	1.7350491	1.7609415
BCCP2	AT5G15530	4.5251975	4.585754	4.1029353	4.1375656
AT5G15610	AT5G15610	4.907808	4.8526807	4.668354	4.616255
AT5G15780	AT5G15780	5.35392	5.2969613	4.9106317	4.6662555
COL1	AT5G15850	3.6898057	3.7896938	2.6672318	2.6641853
AT5G15950	AT5G15950	5.5084443	5.6198425	5.0012856	5.135427
AT5G15948	AT5G15948	5.5084443	5.6198425	5.0012856	5.135427
AT5G16030	AT5G16030	5.195406	5.4331574	4.5350966	4.4862266
AT5G16110	AT5G16110	4.7881083	4.786329	4.537151	4.501533
AT5G16220	AT5G16220	3.0787637	3.0516632	2.5108013	2.5261176
AT5G16240	AT5G16240	2.3623953	2.2877254	1.6140205	1.6840544
AT5G16250	AT5G16250	4.738649	4.700427	4.1472707	4.2917175
AT5G16340	AT5G16340	0.15278864	0.13607381	-1.1287009	-1.0199071
AT5G16350	AT5G16350	1.301375	1.2562834	-0.12891898	-0.11730073
TRXF2	AT5G16400	4.387693	4.5713997	3.956813	4.0026984
AT5G16410	AT5G16410	0.9265766	0.8397563	-0.7803382	-0.45692042
AT5G16980	AT5G16980	2.7409801	2.7537022	-4.9828916	-4.683993
AT5G17165	AT5G17165	1.5734369	1.5646604	-0.10482248	-0.24418557
PSY	AT5G17230	6.135451	6.1332116	5.686213	5.5636387
RVE1	AT5G17300	2.9134064	2.895456	1.8673574	2.0211248
UGP2	AT5G17310	4.7201595	4.751076	4.444432	4.3548613
AT5G18030	AT5G18030	-0.37258732	0.17795324	-1.700116	-2.6136937
AT5G18040	AT5G18040	0.49644318	0.33778235	-1.2107848	-1.4370867
AT5G18470	AT5G18470	2.589051	2.7324867	1.6541485	1.9927
AT5G18550	AT5G18550	3.5462952	3.443453	3.1061132	3.0666692
AT5G18640	AT5G18640	3.5221174	3.615895	3.1317012	3.0845482
BMV3	AT5G18670	5.3698897	5.4106164	4.067058	4.261535
AT5G18730	AT5G18730	0.4182023	0.48280928	-1.2360101	-1.1185514
AT5G18900	AT5G18900	3.299884	3.399562	3.0092735	2.9272344
AT5G19100	AT5G19100	3.9325192	4.187872	3.2151432	3.548561
ADG2	AT5G19220	6.0472145	6.081427	5.6995792	5.6167507
AT5G19290	AT5G19290	4.9981728	5.121824	4.707823	4.865232
atnudt20	AT5G19460	2.8378093	2.9143574	1.9056357	1.8774992
AT5G19940	AT5G19940	6.590017	6.735722	5.9404216	5.9808135
AT5G20140	AT5G20140	4.0006275	3.9859989	3.576994	3.673033
AT5G20200	AT5G20200	4.035401	3.9190738	3.3658664	3.4387887
AT5G20380	AT5G20380	4.1168513	4.2054267	3.495596	3.3587482

AT5G21020	AT5G21020	6.0313663	6.013918	5.2058625	5.1013093
AT5G21430	AT5G21430	4.090568	4.150946	3.3600967	3.3609884
PAA2	AT5G21930	4.5094695	4.3962398	4.1946354	4.037844
anac089	AT5G22290	2.7109883	2.6780298	2.0128164	1.8128915
FAR1	AT5G22500	5.7956996	5.9738965	5.504933	5.681723
CaS	AT5G23060	6.8003945	6.8349233	5.673557	5.463814
AT5G23070	AT5G23070	3.30834	3.1423855	2.3492036	2.3096113
TGH	AT5G23080	3.2552738	3.0738127	2.7833283	2.7057247
HCF136	AT5G23120	6.4139404	6.415751	5.980599	5.921648
NIC2	AT5G23230	-0.81854373	-0.9474406	-3.6865685	-2.5260155
AT5G23410	AT5G23410	0.30179393	0.6136667	-4.9828916	-5.0679936
AT5G23730	AT5G23730	1.6907336	2.0191958	0.86321664	1.2654833
DUF8	AT5G23770	1.7178179	1.7460985	0.25357968	0.2578762
EMB3009	AT5G23940	4.097572	4.0506463	3.6446655	3.5846233
SIGE	AT5G24120	2.3765233	2.6798258	1.6821619	1.7912866
SQP1	AT5G24150	-0.9062219	-0.54330456	-2.700116	-2.947027
AT5G24155	AT5G24155	1.3870859	1.0106592	-0.13528858	-0.88871855
AT5G24205	AT5G24205	-0.0692346	-0.48059464	-4.2148895	-3.1926823
AT5G24206	AT5G24206	-2.070173	-2.0114346	-4.9828916	-5.0173264
AT5G24210	AT5G24210	3.7794254	4.0560107	-0.6067467	0.25787625
SSI1	AT5G24300	5.7650685	5.7163224	5.460083	5.424195
PDE225	AT5G24314	5.29816	5.333218	4.8545876	4.8536057
AT5G24680	AT5G24680	1.3615793	1.3655304	0.6408934	0.5650175
VSP1	AT5G24780	4.3360515	4.4426236	2.7518759	2.694206
CRY3	AT5G24850	2.8363469	2.6201742	2.3491023	1.9986124
ATCOL4	AT5G24930	6.1633625	6.1267376	5.8287315	5.8338075
CYP71B11	AT5G25120	2.8151588	2.7329447	2.066314	1.8518467
CYP71B13	AT5G25140	0.13159738	0.69614935	-1.8160906	-1.695398
AT5G25190	AT5G25190	2.1085098	1.776285	1.1624765	0.41755548
AT5G25840	AT5G25840	2.4855032	2.5192506	1.7683595	1.833093
AT5G25920	AT5G25920	1.4756397	1.3238835	-4.9828916	-5.0679936
TGG2	AT5G25980	5.6137295	5.573505	0.47298685	0.45685458
TGG1	AT5G26000	8.913281	8.937413	8.5655985	8.477787
AT5G26200	AT5G26200	2.6408474	2.6509683	1.644096	1.8754063
AT5G26270	AT5G26270	5.3046865	5.2624474	0.36836538	0.3048803
AT5G26630	AT5G26630	-2.5642235	-2.1134691	-4.9828916	-5.0173264
ATIREG3	AT5G26820	4.168566	4.0733776	3.818209	3.7362378
AT5G26850	AT5G26850	5.1877713	5.070967	4.672402	4.7719855
SYP41	AT5G26980	1.4664227	1.6269135	0.38489354	0.04227251
AT5G27010	AT5G27010	3.7413843	3.4090955	-0.17179517	-0.23512395
EMB976	AT5G27270	3.858977	3.6812649	3.0736418	2.9470654
AT5G27290	AT5G27290	3.3922722	3.4269485	3.1028414	2.952781
AT5G27440	AT5G27440	0.30693725	-0.32376468	-1.861925	-1.7013718
HTA7	AT5G27670	4.5606847	4.623835	4.223843	4.247769
AT5G28010	AT5G28010	-1.6753649	-1.9098164	-4.598891	-4.2999916
AT5G28050	AT5G28050	5.143216	5.252678	4.7632384	4.87215
AT5G28463	AT5G28463	-0.4852105	-0.53733057	-2.5285914	-3.7210033
BGLU24	AT5G28510	-0.384504	0.3249828	-4.8308883	-4.4890056
AT5G33370	AT5G33370	1.7828223	1.9655441	0.35751855	0.5008187
AT5G35100	AT5G35100	4.6089044	4.5525627	4.285656	4.324079

AT5G35495	AT5G35495	-2.4258778	-2.919732	-4.9828916	-5.0679936
GS2	AT5G35630	9.5150795	9.559283	8.895467	8.888409
AT5G35660	AT5G35660	0.43845257	0.3136513	-4.9828916	-4.4890056
AT5G35970	AT5G35970	5.0241623	5.2768774	4.098568	4.1899695
AT5G36790	AT5G36790	0.9982026	1.0539151	-1.5928067	-1.2930497
AT5G37125	AT5G37125	3.3847084	3.270312	-4.9828916	-5.0679936
AT5G37130	AT5G37130	5.4303355	5.2176685	4.4071903	4.1824265
AT5G37190	AT5G37190	3.3208044	3.1430118	2.8005512	2.5126793
AT5G37360	AT5G37360	4.2378836	4.2149415	3.7896478	3.612612
AT5G37980	AT5G37980	0.61494166	0.8426141	-2.1494238	-1.8669224
AT5G37990	AT5G37990	4.488254	4.6181674	2.4206233	2.5797896
AT5G38000	AT5G38000	2.3180804	2.480612	-3.774247	-2.539563
AT5G38010	AT5G38010	2.3534458	2.4457366	0.20638768	0.051656168
AT5G38020	AT5G38020	5.381167	5.698673	1.2551469	1.6907119
AT5G38030	AT5G38030	2.592102	2.6088746	1.0697094	1.1657411
NF-YC12	AT5G38140	1.765583	1.7435718	1.2026657	1.0594954
AT5G38410	AT5G38410	10.097259	10.227425	9.161918	9.151505
AT5G38420	AT5G38420	10.000947	10.007813	9.496715	9.329886
AT5G38430	AT5G38430	9.193253	9.136455	8.59575	8.4217005
AT5G38520	AT5G38520	5.243333	5.3004136	4.763519	4.7951465
AT5G38550	AT5G38550	2.5711167	2.3999388	1.2849709	1.1030949
AT5G38565	AT5G38565	-0.086411454	-0.43599522	-4.9828916	-5.0173264
AT5G38590	AT5G38590	2.601137	2.36205	1.3398012	1.3248173
AT5G39530	AT5G39530	4.6980615	4.776447	3.925003	3.9420955
AT5G40060	AT5G40060	1.3675665	0.98627895	-2.011078	-3.2493238
AT5G40420	AT5G40420	0.8047242	-0.8124228	-4.9828916	-4.2433496
AT5G40440	AT5G40440	2.2686312	2.1753428	1.6049904	1.5946412
AT5G40590	AT5G40590	2.1519248	2.3717291	-0.455966	-0.100425385
RPL27	AT5G40950	7.586769	7.676806	6.4050536	6.354016
AT5G41170	AT5G41170	0.4426155	0.47367442	-0.59280664	-0.6050063
AT5G41180	AT5G41180	2.6965816	2.3937285	1.7463018	1.6678652
AT5G42070	AT5G42070	3.6242192	3.6308348	2.7586858	2.8299675
ATBG_PPAP	AT5G42100	5.631048	5.6367226	5.395184	5.409579
AT5G42720	AT5G42720	3.5253966	3.267185	2.3908799	2.43808
AT5G42760	AT5G42760	0.880055	1.1657199	-0.60896176	-0.8352303
AT5G42800	AT5G42800	0.8728276	-1.2849934	-1.1151534	-3.9159906
AT5G42850	AT5G42850	4.720013	4.6877103	4.1936636	4.1522894
AT5G43403	AT5G43403	1.7455019	1.7636925	-4.9828916	-5.0679936
ETFBETA	AT5G43430	2.9339054	3.0688245	2.1672764	2.1638498
AT5G43550	AT5G43550	-2.4900925	-2.674077	-4.9828916	-5.0679936
TZP	AT5G43630	3.9099998	3.8820858	3.5885785	3.4841607
AT5G43750	AT5G43750	4.543333	4.4934573	3.214976	3.0695581
AT5G43830	AT5G43830	6.063339	6.3234725	5.1636806	5.3211856
AT5G43950	AT5G43950	1.050342	1.2096442	0.35293415	0.53643507
CRA1	AT5G44120	4.0246425	3.3392098	-4.4975553	-3.8086812
GLK2	AT5G44190	5.410951	5.4647574	4.717543	4.7912354
ERF9	AT5G44210	2.4198716	2.489855	1.5694071	1.9421283
AT5G44260	AT5G44260	4.266978	4.230553	3.5018692	3.713209
AT5G44290	AT5G44290	4.4872527	4.5881915	4.235782	4.248378
AT5G44310	AT5G44310	-1.4803773	-2.336753	-4.9828916	-5.0679936

AT5G44400	AT5G44400	2.3727198	2.5696397	1.8774196	2.1320329
DUR	AT5G44480	2.5939758	2.6105883	1.9830804	2.0836902
AT5G44490	AT5G44490	1.0209597	0.7323629	-1.3754478	-1.1926823
TAO1	AT5G44510	3.0679111	2.9382505	1.0566491	0.9541972
AT5G44520	AT5G44520	2.6379893	2.4644601	-0.16469163	-0.48795688
AT5G44530	AT5G44530	2.7227447	2.7008345	0.055200655	0.3042309
AT5G44582	AT5G44582	-2.3185682	-1.2402958	-4.9828916	-5.0679936
CLPP4	AT5G45390	6.8981895	7.009278	6.300283	6.2248764
AT5G45420	AT5G45420	3.906824	3.9932368	3.2213566	3.2135494
AT5G45480	AT5G45480	3.7884073	3.832613	3.4850445	3.538173
AT5G45490	AT5G45490	4.460261	4.57258	-4.548223	-3.582657
AT5G45500	AT5G45500	4.328914	4.402099	0.38747272	0.38930252
AT5G45510	AT5G45510	5.943193	5.868198	5.4495087	5.509348
AT5G45590	AT5G45590	2.9541657	2.9818428	2.4623454	2.5802257
SUV2	AT5G45610	2.0514333	2.0763087	1.1794487	1.2864709
CHLI2	AT5G45930	4.9710784	4.947656	4.655024	4.57587
AT5G45990	AT5G45990	-0.4892756	-0.57771146	-2.8951035	-2.7210033
AT5G46140	AT5G46140	-2.1160076	-1.1767926	-4.9828916	-5.0679936
PYL1	AT5G46790	3.1490517	3.1816623	2.8018148	2.824092
BOU	AT5G46800	3.692192	3.667757	3.3755257	3.3799837
AT5G46890	AT5G46890	-0.98523504	-0.5605958	-3.7235792	-4.438338
AT5G46900	AT5G46900	-1.531045	-1.9332795	-3.8815563	-5.0173264
LON2	AT5G47040	5.029217	4.960896	4.6265864	4.5732613
AT5G47090	AT5G47090	2.3318882	2.189491	1.5289034	1.569022
LIL3:2	AT5G47110	6.808447	6.851949	6.371592	6.3007355
AT5G47240	AT5G47240	2.0326126	2.3157191	1.5539818	1.4449753
AT5G47250	AT5G47250	2.1958609	2.0454082	0.002580325	-0.00195766
AT5G47390	AT5G47390	3.6821601	3.5763655	3.2656078	3.2686703
AT5G47400	AT5G47400	1.9216461	1.8570766	1.1420504	1.061572
AT5G47420	AT5G47420	2.6560862	2.6573741	2.2796211	2.2564838
AT5G47550	AT5G47550	2.8483105	2.714791	2.0343087	1.6366442
AT5G47610	AT5G47610	2.0124936	1.7819706	1.4327985	0.6713143
mtACP3	AT5G47630	2.6653259	2.6361225	2.190015	2.1646788
D6PKL2	AT5G47750	3.9957535	3.9414062	3.41796	3.3774655
FPS1	AT5G47770	4.914145	4.9982677	4.6588635	4.6951976
AT5G47800	AT5G47800	2.0100458	2.0663743	0.8404589	1.1642731
PFK2	AT5G47810	1.6493444	1.4184198	-1.2769624	-1.5517383
AMK2	AT5G47840	5.5275574	5.5642314	5.1886487	5.17923
ATXTH20	AT5G48070	3.4385788	3.5601304	1.8168912	2.186724
NSP5	AT5G48180	5.551758	5.697262	4.967531	5.147552
AT5G48290	AT5G48290	0.95372134	0.9488638	-0.1681711	0.068453595
AT5G48370	AT5G48370	1.5943543	1.8436552	0.86719245	1.0327102
AT5G48485	AT5G48485	3.0271168	3.2685978	2.5022414	2.6976109
AT5G48500	AT5G48500	2.91936	2.962244	2.5202692	2.5784674
AT5G48530	AT5G48530	1.9980173	1.8110319	-0.38724956	-0.35675073
ROF2	AT5G48570	1.3462161	1.3956519	0.33039397	0.27817434
FKBP15-2	AT5G48580	5.070999	5.100674	4.6772485	4.698981
AT5G48810	AT5G48810	6.0571175	6.2076106	5.7861648	5.8437386
AT5G49100	AT5G49100	3.3765285	3.4719248	3.0847652	3.1144893
ATRLP56	AT5G49290	-0.22637916	-0.12877718	-1.9617783	-1.8162546

AT5G49500	AT5G49500	2.8996751	2.8179739	1.1627889	1.1713315
XK-2	AT5G49650	4.106754	4.095618	3.771232	3.6997845
ATFRO6	AT5G49730	4.1589	4.465509	2.9076366	3.375245
ATFRO7	AT5G49740	3.4891129	3.67687	3.000061	3.0073764
AT5G49850	AT5G49850	1.5176932	1.6601712	0.5372019	0.7280579
AT5G49860	AT5G49860	-0.11751267	0.6516829	-4.932224	-4.38767
AT5G49880	AT5G49880	3.21505	3.312977	2.244508	2.2161705
ATPPOX	AT5G49970	4.512763	4.5447965	3.768686	3.6266224
AFB5	AT5G49980	5.119048	5.0223155	4.8027787	4.770603
AT5G50100	AT5G50100	2.5856047	2.6576993	1.2026006	1.273892
FUM2	AT5G50950	2.0477035	2.16992	0.726232	0.786197
AT5G51010	AT5G51010	4.128404	4.27235	3.4543562	3.2488863
AT5G51040	AT5G51040	4.3396983	4.3543634	4.051042	3.9955647
AT5G51850	AT5G51850	-0.07560428	-0.7789661	-3.8815563	-2.4187062
AT5G51890	AT5G51890	3.672434	3.6743793	3.2888718	3.2219174
AT5G52050	AT5G52050	1.4330853	1.2529677	-0.012446056	0.14661473
RD29B	AT5G52300	1.0702962	0.40057006	-1.4544607	-1.7285763
AT5G52420	AT5G52420	2.868618	2.7323856	0.81148034	0.78360015
AT5G52430	AT5G52430	2.6367636	2.7974846	1.7407212	1.9790397
BETA-OHASE 2	AT5G52570	2.105771	2.3585987	-1.2136388	-0.74672574
AT5G52780	AT5G52780	4.114226	4.0144506	3.7839196	3.5641258
AT5G52900	AT5G52900	2.297396	2.0657582	1.3414731	0.98545474
AT5G53030	AT5G53030	0.7357778	0.5025299	-0.15388449	-0.53358895
CNGC1	AT5G53130	3.9017704	3.9268858	3.3280737	3.2614565
AT5G53140	AT5G53140	6.0232444	6.0141416	5.7330437	5.7568183
ATPMEPCRf	AT5G53370	4.277054	4.350371	3.9039345	3.9060714
AT5G53970	AT5G53970	3.4379332	3.3506024	2.8858707	2.7602942
AT5G54270	AT5G54270	9.683942	9.985374	8.640893	8.740579
HTA1	AT5G54640	2.6999235	2.866562	2.0114548	2.1918497
AT5G54670	AT5G54670	3.3960083	3.2671278	2.8062432	2.6840365
THI1	AT5G54770	9.540954	9.67485	9.04624	8.981904
PPX2	AT5G55260	3.0912468	3.0418653	2.6356723	2.651923
AT5G55360	AT5G55360	-1.6479107	-2.1789348	-4.9828916	-5.0679936
AT5G55410	AT5G55410	0.16056673	0.24384756	-4.932224	-3.9100168
AT5G55570	AT5G55570	1.1902181	1.47006	0.235669	0.44516918
AT5G55620	AT5G55620	3.7686102	4.16922	3.3632467	3.8328183
AT5G55780	AT5G55780	-1.1408721	-1.352919	-4.9828916	-5.0679936
AT5G55790	AT5G55790	-0.18779592	-0.23343427	-4.9828916	-5.0679936
AtNMNAT	AT5G55810	1.2018926	1.4202399	-1.1202694	-0.8333481
AT5G56120	AT5G56120	2.952842	2.9552422	2.4476507	2.3680775
AT5G56380	AT5G56380	2.7291262	2.7104986	2.2040186	2.1980994
AT5G56850	AT5G56850	3.9101584	3.7528236	3.249523	3.1433945
AT5G56910	AT5G56910	2.1938777	2.4066832	0.28288162	0.3628901
AT5G56940	AT5G56940	3.8739712	3.9022934	3.423786	3.4948747
AT5G56980	AT5G56980	4.22364	4.425884	3.5305016	3.7972062
ORP4C	AT5G57240	3.7041588	3.5154793	1.4492286	1.3580917
AT5G57345	AT5G57345	4.511717	4.6663837	3.0816643	3.165571
AT5G57760	AT5G57760	4.219256	4.6155496	3.742857	3.9421527
AT5G57890	AT5G57890	2.8607874	2.8451653	-0.7484438	-0.7025756
AT5G58020	AT5G58020	4.3953915	4.403562	3.8907816	3.9364376



AT5G58260	AT5G58260	3.8488743	3.8478339	3.58657	3.341036
ATMES18	AT5G58310	-0.83209115	-1.4912648	-4.0199018	-4.1050043
AT5G58330	AT5G58330	6.610737	6.5803437	6.380276	6.2393003
WNK4	AT5G58350	3.7551699	3.5379512	3.3689728	3.2561128
AT5G58660	AT5G58660	2.399678	2.327259	1.5231814	1.548266
AT5G58770	AT5G58770	1.2979001	1.1254448	-0.4149126	-0.5316844
ftsh9	AT5G58870	4.436704	4.354882	4.151404	4.060627
AT5G59170	AT5G59170	-1.6235563	-1.6355845	-4.932224	-4.683993
LTP3	AT5G59320	2.272908	2.350115	0.6685202	0.78171206
AT5G59480	AT5G59480	4.2663045	4.334512	3.7170498	3.7129543
ATMYB34	AT5G60890	3.773943	3.9464557	3.4716156	3.4153042
AT5G61290	AT5G61290	1.0240669	1.4815422	-0.011547764	0.5442645
RPE	AT5G61410	7.2634797	7.2743735	6.819599	6.7904143
AT5G61670	AT5G61670	4.2251916	4.287377	3.787098	3.8274965
AT5G62130	AT5G62130	1.9911844	1.9449707	1.513412	1.4518045
AT5G62140	AT5G62140	2.5726216	2.711665	1.9835681	1.7130194
AT5G62280	AT5G62280	5.1501927	5.3493857	3.792816	4.074472
ATHVA22B	AT5G62490	-1.2233169	-2.3914115	-4.2655573	-5.017326
AHA11	AT5G62670	5.507052	5.4407578	4.9457817	4.7627926
DXR	AT5G62790	5.625347	5.5263324	5.369575	5.263759
AT5G63080	AT5G63080	2.086378	1.8264214	1.1196132	0.88658684
FLS2	AT5G46330	1.7424469	1.9256115	-1.4442648	-1.8903853
FLS3	AT5G63590	3.0263999	3.2717972	2.034125	2.1955512
PSAN	AT5G64040	7.7857594	8.102462	7.073017	7.0533423
AT5G64080	AT5G64080	3.1853454	3.1390293	2.8004963	2.7049115
AT5G64170	AT5G64170	4.0779977	4.0048776	3.3690712	3.440961
DiT2.2	AT5G64280	3.4540586	3.442232	3.1475132	3.0870717
GCN5	AT5G64840	6.2389035	6.1866965	5.0714583	5.0213947
AT5G64850	AT5G64850	3.3166885	3.326793	2.6970847	2.6639833
ATATH13	AT5G64940	6.6506577	6.525783	5.601906	5.5415444
ASN2	AT5G65010	8.395543	8.17802	8.071812	7.737751
ANNAT2	AT5G65020	5.5938115	5.5998893	4.2124906	3.8806753
MAF5	AT5G65080	-0.1985473	0.06832789	-2.1952584	-2.0543363
AT5G65380	AT5G65380	5.3461685	5.3143473	4.8947263	4.625461
AT5G65480	AT5G65480	4.202401	4.3886523	3.9581592	3.8621902
AT5G65620	AT5G65620	6.3905945	6.360126	6.072185	6.0882072
AT5G65840	AT5G65840	3.8015525	3.8752244	3.189419	3.2829103
STR18	AT5G66170	3.912855	4.0461783	3.2347171	3.4973392
ATLFNR1	AT5G66190	7.6402583	7.701172	7.182871	7.142817
RAB18	AT5G66400	1.203993	1.1101521	0.2656404	0.36604357
MAN7	AT5G66460	2.2642744	2.2346623	1.8598782	1.7677174
PSBO-1	AT5G66570	10.363692	10.527808	9.747033	9.813362
AT5G66650	AT5G66650	2.0664837	2.4727442	0.7490384	0.9323384
MAPKKK5	AT5G66850	3.7784193	3.7326517	3.2650502	3.4593792
ABA1	AT5G67030	5.571532	5.583608	5.0562387	5.082689
AT5G67060	AT5G67060	3.3191364	3.256931	2.3750017	2.5641742
AT5G67070	AT5G67070	4.7891135	4.818069	4.6056747	4.560832
AT5G67140	AT5G67140	0.116488755	0.2707642	-1.0235335	-1.2184049
AT5G67360	AT5G67360	6.1359096	5.950128	5.8126945	5.6637344
LBD37	AT5G67420	5.685736	5.776028	5.4119353	5.499415