

Cluster 1. 1321 genes					
Probe	ID	Sample 1	Sample 2	Sample 3	Sample 4
ANAC001	AT1G01010	2.1738684	2.2689624	3.0153267	3.0892327
CYP78A8	AT1G01190	-0.1900913	0.030850759	1.3539357	1.5159084
UGT72B3	AT1G01420	2.5547445	2.435064	3.231572	2.995291
AT1G01730	AT1G01730	3.2780228	3.4698174	4.266483	4.3807163
ADF11	AT1G01750	1.4476161	1.5793229	2.2266605	2.346263
AT1G02300	AT1G02300	2.506715	2.459482	4.291467	4.2171416
ATGSTF7	AT1G02920	4.122522	4.317968	4.8317494	4.8848753
GSTF6	AT1G02930	4.458531	4.4911475	5.443569	5.4857216
AT1G03106	AT1G03106	-3.217343	-3.1554716	2.0759842	2.0138938
VPS2.3	AT1G03950	2.1045854	2.2577019	3.431926	3.475177
AT1G04090	AT1G04090	-0.95608073	-1.3407437	0.4628162	0.40563682
AT1G04590	AT1G04590	2.801286	2.756853	4.009646	3.8833778
AT1G04650	AT1G04650	1.1320392	0.9372027	1.8547077	2.0013063
AT5PTASE13	AT1G05630	1.8811146	1.8602524	2.491043	2.6062028
AT1G05675	AT1G05675	-4.462998	-4.4987206	-1.5704352	-1.5988957
AT1G05770	AT1G05770	-5.0419865	-5.128377	-0.7877941	-1.5132457
AT1G05780	AT1G05780	-5.0419865	-5.128377	1.3447539	1.3751506
ACD32.1	AT1G06460	4.6947007	4.7325673	5.299099	5.231995
AT1G07050	AT1G07050	0.67934734	0.9009314	2.5905924	2.5233707
AT1G07380	AT1G07380	2.895065	2.8740628	3.8671665	3.8306484
ATSMO2	AT1G07420	3.3868504	3.5047543	4.0067573	3.9838269
AT1G07705	AT1G07705	3.8552778	3.778931	4.387346	4.3300114
PAI1	AT1G07780	3.0365906	2.9324703	3.8123407	3.6216736
TPST	AT1G08030	2.4288542	2.37774	3.0398388	2.9095256
ATLIG1	AT1G08130	4.145342	4.064118	4.723351	4.667315
SIGB	AT1G08540	5.137722	5.060768	5.6198063	5.57418
MGP2	AT1G08660	3.8478327	3.8319702	4.2452865	4.249286
CSD1	AT1G08830	5.5971894	5.574278	6.139525	6.1937118
HTA5	AT1G08880	5.2106614	5.3896327	5.875978	5.8417296
ERD6	AT1G08930	5.363786	5.392797	5.919822	5.9414773
AT1G08940	AT1G08940	0.36910155	0.8315503	1.7558991	1.9306759
SNF4	AT1G09020	4.2312975	4.2807117	4.8492184	4.7923646
AT1G09410	AT1G09410	-2.2483795	-3.1147196	0.28116408	-0.6352071
ECT11	AT1G09810	2.4833975	2.4164927	3.1989183	3.0968316
AT1G09910	AT1G09910	0.84478116	0.7885237	2.5063183	2.3249493
WLIM1	AT1G10200	5.3609962	5.5518565	5.8930717	5.9864316
GRP23	AT1G10270	3.0067356	2.8006942	3.4728527	3.466952
AT1G10340	AT1G10340	-1.6273493	-0.68548226	0.4116808	0.54319257
AT1G10585	AT1G10585	0.835258	1.5971833	1.9403428	2.2256606
AT1G10682	AT1G10682	4.1745663	4.14374	4.7382064	4.7761884
SEX1	AT1G10760	6.41857	6.2001405	6.8899903	6.6174006
AT1G11150	AT1G11150	-5.0419865	-5.128377	1.1171995	1.1039459
AT1G11330	AT1G11330	2.7465737	2.905449	3.9311125	4.0722003
ATPMEPCRA	AT1G11580	6.216844	5.90272	6.916927	6.7045608
AT1G11850	AT1G11850	-0.43159184	-0.18851142	1.7637005	1.6411875
AT1G12240	AT1G12240	4.7943797	4.9936585	5.4601555	5.5999627
AT1G12280	AT1G12280	0.94724673	0.8029496	1.718887	1.5847254

AT1G12390	AT1G12390	0.15122859	0.2931049	2.580962	2.4956117
AT1G12400	AT1G12400	-0.11949536	0.021788085	1.824138	1.8318782
ATEXPA7	AT1G12560	0.99504423	1.0086385	1.9231664	2.1249208
AT1G12620	AT1G12620	0.21994859	-0.11526791	1.6391681	1.6640186
CYP87A2	AT1G12740	1.9343948	2.1631052	2.8921993	2.8776557
AT1G13000	AT1G13000	3.0296924	3.0054615	3.559639	3.5864575
CYP71B7	AT1G13110	4.2783504	4.552519	5.251297	5.310163
ACA.I	AT1G13210	3.5264328	3.5684454	4.3908596	4.5071616
MAP1C	AT1G13270	4.499002	4.4181805	5.2607493	5.132795
AT1G13390	AT1G13390	2.1591978	2.3297284	2.825182	2.9585712
AT1G13410	AT1G13410	-0.53316474	-0.78326845	0.9299721	0.89685345
ATST4C	AT1G13430	-4.991319	-4.7443757	2.0664718	2.280111
AT1G14170	AT1G14170	2.8581553	2.9275875	3.3695762	3.5462053
AT1G14240	AT1G14240	-5.0419865	-5.128377	2.781739	3.1151342
APK2A	AT1G14370	1.949391	1.827074	2.7754164	2.4989755
AT1G14640	AT1G14640	0.3665258	0.07574595	1.7375116	1.9883132
XTR2	AT1G14720	4.5781913	4.574186	5.2281413	5.091063
AT1G15040	AT1G15040	2.3051298	2.1725264	3.1401396	3.009228
PDR12	AT1G15520	-1.9013888	-1.1026617	0.7498288	1.5514497
AT1G15560	AT1G15560	-5.0419865	-5.128377	-1.7742467	-1.9430361
CYP79F2	AT1G16400	3.8694808	3.8032095	4.4704647	4.5724835
AT1G17147	AT1G17147	-1.1160074	-0.96661156	0.23505522	0.4011043
ATGSTU24	AT1G17170	3.4351332	3.9132462	4.739021	4.7059326
ATGSTU25	AT1G17180	0.53921777	0.5538072	1.866754	2.2811859
AT1G17330	AT1G17330	1.7528714	1.5864172	2.5716217	2.3550043
HLL	AT1G17560	2.6084058	2.7203493	3.4317472	3.4596646
NF-YA8	AT1G17590	1.5470766	1.5688148	2.9410927	2.8188171
AT1G17665	AT1G17665	0.963697	1.1192175	3.1019967	2.8916607
AT1G17690	AT1G17690	3.6013756	3.2659538	4.0874844	3.9414723
AT1G17850	AT1G17850	3.0921001	2.8538654	3.7346945	3.5871456
ATMPK8	AT1G18150	3.8580067	3.741914	4.3530807	4.3825703
MYB51	AT1G18570	1.5196228	1.737296	2.7139566	3.063367
AtMYB47	AT1G18710	-0.25677016	-0.7051135	2.1689365	2.585036
RKF2	AT1G19090	-5.0419865	-5.128377	-2.097664	-1.0777526
AT1G19960	AT1G19960	-0.035902724	0.7002852	1.5005627	1.9631119
AT1G20225	AT1G20225	3.1787548	3.2217267	3.8688886	3.9016469
AT1G20300	AT1G20300	1.7041017	1.7715491	2.6648452	2.5259068
COR47	AT1G20440	6.616997	6.8484797	7.380512	7.4679847
CAT3	AT1G20620	9.086725	9.0874815	10.06784	9.979802
AT1G21120	AT1G21120	1.6414385	1.9427894	2.2975175	2.5499506
AT1G21130	AT1G21130	3.0453262	3.248986	3.7082183	3.9892833
WAK1	AT1G21250	1.8373874	1.914146	3.785692	3.8134766
AT1G21650	AT1G21650	3.8884363	3.8556128	4.5444474	4.379685
AT1G21670	AT1G21670	2.969704	3.045159	3.7510004	3.7536573
AT1G21680	AT1G21680	5.158486	5.1951594	5.6965203	5.662555
ATPDIL1-1	AT1G21750	6.26636	6.2722344	6.7827106	6.720855
TGA3	AT1G22070	3.2053888	3.2469056	3.8859901	3.8027427
AT1G22200	AT1G22200	3.8608875	3.7911084	4.3299108	4.2744
UGT85A1	AT1G22400	2.9462063	2.8977404	3.6999085	3.3912163
AT1G22403	AT1G22403	0.58618015	0.59803754	1.7284708	1.5792125

AT1G22500	AT1G22500	1.901982	2.2583926	3.7954328	3.5289085
PATL2	AT1G22530	4.387742	4.7229905	5.4682426	5.605314
RAB7	AT1G22740	1.7578548	1.9972267	2.7438881	2.7808292
GI	AT1G22770	4.330217	4.32855	5.2351117	5.166089
ATGH9B4	AT1G22880	-0.98523504	-0.79399544	0.73151547	0.8714153
AT1G22882	AT1G22882	2.6374128	2.4274423	3.3748398	3.2035162
FRO3	AT1G23020	4.6692405	4.431195	5.1807904	5.19273
AT1G23030	AT1G23030	3.397025	3.3855884	3.993125	4.036306
AT1G23052	AT1G23052	-0.23448169	-0.56676763	1.2210635	1.4688796
AT1G23100	AT1G23100	2.274989	2.2402506	3.0746791	2.9301078
AT1G23780	AT1G23780	0.8884333	1.0281106	3.459226	3.4947917
AT1G23790	AT1G23790	0.85192794	0.9227058	1.7933966	1.8095069
AT1G23935	AT1G23935	-5.0419865	-5.128377	2.3205757	2.0339944
AT1G23940	AT1G23940	-2.3926992	-2.122293	2.352498	2.3116467
AT1G23950	AT1G23950	-2.694996	-3.145756	3.9723768	3.8274586
AT1G23960	AT1G23960	-5.0419865	-5.077709	4.2017455	4.185463
AT1G23970	AT1G23970	-4.2739844	-4.027042	1.5802807	1.5299908
MLP423	AT1G24020	4.5461946	4.527896	5.3336053	5.182774
AT1G24148	AT1G24148	-4.991319	-4.7443757	-0.27703664	-0.31260058
AT1G24880	AT1G24880	-1.3926992	-1.3308278	0.3119419	0.16847749
AT1G25098	AT1G25098	2.7982843	2.761075	5.271848	5.4189014
AT1G25230	AT1G25230	4.969501	5.0035157	5.504583	5.500639
ATNDT2	AT1G25380	3.2362223	3.2902095	3.8512347	3.786377
AT1G25390	AT1G25390	2.3108225	2.1615715	2.8343222	2.865042
AT1G25520	AT1G25520	2.7858438	2.718135	3.3705196	3.247843
AT1G25550	AT1G25550	4.514585	4.5880775	5.0436378	4.997668
ATPERK10	AT1G26150	4.4068394	4.231813	4.877876	4.784059
AT1G26230	AT1G26230	3.222311	3.0152638	3.7026176	3.6200478
SNOR95	AT1G26233	-4.6579857	-5.0270414	-1.6102957	-1.7480487
AT1G27020	AT1G27020	4.521788	4.5227733	6.0992646	6.1432023
ATGSTU14	AT1G27140	0.1449236	0.053249836	1.1324062	1.1185514
NPGR1	AT1G27460	2.1320117	2.1322956	3.9419544	3.8335702
AT1G27470	AT1G27470	3.8219795	3.635174	4.3030963	4.1144223
CYCT1;3	AT1G27630	3.3754947	3.3310869	4.0653386	3.9525526
APL2	AT1G27680	2.9549446	2.8411686	3.6744308	3.5527887
NTF2B	AT1G27970	5.6346507	5.694568	6.2423	6.2948585
AT1G28100	AT1G28100	2.7597103	2.4737303	3.686758	3.2307167
ATJ1	AT1G28210	2.1099927	1.9893452	2.8587704	2.6171522
NSL1	AT1G28380	2.7299645	2.7080142	3.3495102	3.3607066
AT1G28600	AT1G28600	3.4038584	3.2203333	4.461985	4.2650065
AT1G28610	AT1G28610	1.8189197	1.1405612	3.5388725	2.6684077
AT1G28660	AT1G28660	5.057532	5.130476	5.8614306	5.928353
ARAB-1	AT1G28670	2.6833944	2.9192398	3.368579	3.5369587
AT1G29220	AT1G29220	2.698372	2.7944374	3.4861374	3.5533416
AT1G29350	AT1G29350	3.173364	2.6450055	3.7340896	3.6804721
AT1G29418	AT1G29418	4.140462	3.925091	4.799293	4.669678
AT1G29440	AT1G29440	-4.6073184	-4.4987206	-0.62844497	-0.93772507
AT1G29670	AT1G29670	5.1139297	5.261214	5.9699516	5.7783947
NRPA2	AT1G29940	4.499286	4.143849	4.994397	4.7254505
MNS3	AT1G30000	3.287627	3.315878	3.8057508	3.784938

AT1G30010	AT1G30010	1.5461131	1.444838	2.239648	2.2627964
AT1G30240	AT1G30240	2.712389	2.4694176	3.3064578	3.0509574
AT1G30280	AT1G30280	0.4369676	0.6029198	3.1801004	2.826091
AT1G30550	AT1G30550	1.152258	1.197493	2.1262884	2.112889
AT1G30630	AT1G30630	5.369013	5.49132	5.8673744	5.901142
ago-02	AT1G31280	3.334966	3.1428888	3.8485382	3.8769176
AT1G31500	AT1G31500	3.0240917	2.9555137	3.6655502	3.6452596
AT1G31540	AT1G31540	2.2952182	2.0844371	3.6571414	3.728016
AT1G31550	AT1G31550	1.5114032	1.3346776	2.3410723	2.0655754
AT1G31690	AT1G31690	-0.07657679	-0.23910312	1.7655973	1.8171161
AT1G31910	AT1G31910	4.6469955	4.619702	6.5061088	6.3752046
STRS1	AT1G31970	5.077809	4.8724685	5.746221	5.5786147
AT1G32310	AT1G32310	0.8046307	0.52676076	1.6037884	1.4163989
AT1G32360	AT1G32360	2.7457438	2.6125584	3.3544028	3.4414647
AT1G32530	AT1G32530	3.6452005	3.3883917	4.209972	4.043601
ATSBT3.3	AT1G32960	-3.4258778	-2.3591242	-0.41828597	0.13640572
AT1G33170	AT1G33170	4.0464635	3.7645133	4.8952208	4.650271
AT1G33230	AT1G33230	3.3838527	3.4168117	3.8862922	3.9013364
ADR1	AT1G33560	-5.0419865	-5.128377	-0.7742469	-1.389552
AT1G33600	AT1G33600	4.2286935	4.564426	4.8907547	5.0366664
AIG1	AT1G33960	-3.0925446	-2.7813864	1.7652963	0.5385556
AT1G33970	AT1G33970	2.9952748	2.9658463	4.0012827	3.8675842
ATMES14	AT1G33990	3.9358008	4.000175	4.7754455	4.6131554
OHP2	AT1G34000	4.3244977	4.425589	4.995148	4.9787655
AT1G34200	AT1G34200	1.9771465	1.996953	2.6719143	2.7350876
AT1G34340	AT1G34340	1.6291424	1.5992228	2.4543552	2.5184126
AT1G34967	AT1G34967	-5.0419865	-5.128377	-1.5051284	-1.298741
AT1G35115	AT1G35115	-5.0419865	-4.360375	4.4965224	4.351551
AT1G35320	AT1G35320	-4.2739844	-4.976374	2.8902943	2.7889235
AT1G35500	AT1G35500	-5.0419865	-5.128377	-2.6162698	-2.2704446
AT1G35612	AT1G35612	-1.6753649	-1.964316	3.1392162	3.1170504
AT1G36060	AT1G36060	2.5761812	2.749591	3.1494846	3.4823372
ACC2	AT1G36180	1.8545618	1.5810275	3.9264548	3.7894344
AT1G36320	AT1G36320	4.7110705	4.686607	5.415025	5.3730645
AT1G36920	AT1G36920	-4.6073184	-4.7443757	0.7811611	0.77107686
AT1G36922	AT1G36922	-5.0419865	-5.128377	0.2945319	0.5507913
AT1G44800	AT1G44800	3.6898215	3.607722	4.4370747	4.386755
AtRLP6	AT1G45616	-4.078997	-4.360375	-1.142641	-1.8012253
AT1G46552	AT1G46552	-5.0419865	-5.128377	-1.5899526	-1.8270617
AT1G46554	AT1G46554	-0.04887792	0.21357794	1.3456697	1.1684775
CYCA3;2	AT1G47210	3.2551126	3.3375056	3.796155	3.7803614
PAF2	AT1G47250	2.9304752	2.897496	4.1249576	4.2440515
AT1G47530	AT1G47530	4.2599683	4.1448555	5.0668373	4.9969516
AT1G47820	AT1G47820	0.6291511	0.69792205	1.8619505	1.7977948
AT1G47970	AT1G47970	3.8964274	3.9085648	4.594568	4.5826993
AT1G48210	AT1G48210	3.6840246	3.6947844	4.458442	4.4355927
AT1G48670	AT1G48670	-0.5427639	-0.3101771	0.988324	0.75279933
AT1G48700	AT1G48700	-2.0397346	-2.4284217	-0.25947326	-0.5525646
ATNUC-L1	AT1G48920	7.813173	7.632584	8.395477	8.210378
ATPREP2	AT1G49630	2.721504	2.4439516	4.3926024	4.2681394

ABF1	AT1G49720	2.6712701	2.7016163	3.353712	3.3576825
ATGSTF14	AT1G49860	1.3987402	2.0487545	3.7867038	4.1266217
AT1G49920	AT1G49920	-5.0419865	-5.128377	-2.1386168	-2.582657
AT1G49980	AT1G49980	2.6832457	2.6592824	3.4617212	3.3452857
AT1G50060	AT1G50060	2.0065522	2.0199947	2.6849415	2.8843448
BGLU35	AT1G51470	1.4825372	1.5288671	2.6685982	2.6795342
AT1G51520	AT1G51520	-5.0419865	-5.128377	0.23704714	0.20974624
AT1G51610	AT1G51610	3.2729099	3.3414037	4.1257033	3.9839296
AT1G51805	AT1G51805	3.4641087	3.6910937	4.2894816	4.3816795
ABO5	AT1G51965	1.7551991	1.6597551	2.659936	2.511468
AT1G52000	AT1G52000	3.9107533	3.729111	4.656572	4.751102
MBP2	AT1G52030	-1.8468891	-1.9247679	0.83168095	1.1055692
MBP1	AT1G52040	2.0879555	2.184515	4.663851	4.9734282
BGLU18	AT1G52400	5.151421	5.2313848	7.2321186	7.5158715
TSA1	AT1G52410	2.7381651	2.7558804	4.05555	4.1774516
AT1G52420	AT1G52420	4.327214	4.1600347	4.7470865	4.5982757
AT1G52615	AT1G52615	-5.0419865	-5.128377	-1.5792594	-1.3802137
AT1G52650	AT1G52650	-4.991319	-5.128377	-1.1001242	-0.9235639
AT1G52710	AT1G52710	-0.342445	-0.22627442	1.437735	1.2611365
AT1G52780	AT1G52780	2.8379877	2.927623	3.3964987	3.4602442
AT1G53035	AT1G53035	1.3582287	1.1692535	2.3012743	2.011532
AT1G53080	AT1G53080	-2.1802225	-2.8690646	1.0991088	1.3612437
TCP3	AT1G53230	3.40184	3.5289586	3.8840933	4.0963483
AT1G53350	AT1G53350	1.0742607	0.88782233	1.9478577	1.843084
MRD1	AT1G53480	3.2684639	3.3117678	4.026032	3.884465
AT1G53490	AT1G53490	1.1215767	1.2414837	2.1546204	2.5865238
SRF6	AT1G53730	4.3493104	4.5285068	4.921541	5.0090756
ATPME1	AT1G53840	3.9743736	4.0866885	4.755209	4.8380375
AT1G54217	AT1G54217	-0.3877984	-0.15332954	1.1536031	1.1044455
FRUCT5	AT1G55120	1.574882	1.7365842	2.7794902	2.9911501
AT1G55440	AT1G55440	-3.6949959	-4.4110427	-0.96177834	-0.8352303
ATCSLE1	AT1G55850	4.731499	4.6038036	5.2021785	5.0461802
AT1G56120	AT1G56120	0.66240937	0.48701572	3.3270426	3.4597778
AT1G56300	AT1G56300	2.3863592	2.6104136	4.1445384	4.059034
WRR4	AT1G56510	-3.5566502	-4.360375	1.0129052	1.2924267
AT1G56690	AT1G56690	0.19463222	0.16560511	1.0718251	1.0301317
AT1G56720	AT1G56720	1.9148393	1.623588	2.7723267	2.481323
VIM1	AT1G57820	3.3673325	3.3685992	3.9971	4.048388
AT1G57860	AT1G57860	4.06298	4.1088567	4.791023	4.6432567
ATPUP18	AT1G57990	2.5194058	2.984393	3.2899806	3.596605
ZW9	AT1G58270	-0.35823107	-0.69226235	1.6700478	1.2021356
AT1G58410	AT1G58410	-5.0419865	-5.128377	-0.401651	-0.4925588
AT1G59660	AT1G59660	1.6973991	1.2001157	2.5887964	2.4729414
CRR28	AT1G59720	-0.47588992	-1.0493907	1.4512467	1.2920556
AT1G59780	AT1G59780	-3.3616629	-2.738292	-0.27994016	0.036734495
PEN3	AT1G59870	7.287084	7.219522	8.080831	8.16827
AT1G59990	AT1G59990	4.6174254	4.4237037	5.357714	5.0946574
AT1G60020	AT1G60020	-4.991319	-4.976374	-1.152164	-1.6258692
AT1G60060	AT1G60060	0.26011953	0.5366185	1.4588798	1.7575645
BGLU4	AT1G60090	-2.4803772	-2.674077	0.84997815	0.930032

AT1G60110	AT1G60110	-4.991319	-4.360375	1.3350258	1.3757979
ATVPS34	AT1G60490	3.3711135	3.2999694	4.1081448	4.148796
AT1G60545	AT1G60545	0.84807223	1.0645722	1.6855961	1.7535877
AT1G60680	AT1G60680	3.0375392	3.0334082	3.845328	3.8748038
ATB2	AT1G60710	4.1841526	4.1775703	5.006823	5.047706
ACLA-2	AT1G60810	2.2669306	2.4169307	3.3480275	3.4691124
SC3	AT1G61250	3.8917534	3.9697096	4.4060197	4.5216575
AT1G61360	AT1G61360	2.6939528	2.8058503	3.3120286	3.5735703
AT1G61415	AT1G61415	-3.5876868	-4.4987206	1.6591009	1.8513503
AT1G61420	AT1G61420	0.37477097	0.33314764	1.3444252	1.3370453
AT1G61430	AT1G61430	-5.0419865	-4.693708	2.0688753	1.9681697
AT1G61500	AT1G61500	1.5005585	1.366952	2.2847373	2.1375887
RPL3B	AT1G61580	4.7554517	4.7286334	5.4153695	5.3395095
AT1G61640	AT1G61640	2.2959936	2.227589	3.0965185	2.994496
AT1G61890	AT1G61890	3.5204813	3.3411722	4.1453853	4.0283337
AT1G62110	AT1G62110	1.5939037	1.4838248	2.2180283	2.1116846
AT1G62190	AT1G62190	-5.0419865	-5.128377	0.80232495	1.1895543
AT1G62200	AT1G62200	3.1302311	3.150587	3.7195776	3.7005205
AT1G62422	AT1G62422	0.86686677	0.84331924	1.6409239	1.6044698
AT1G62690	AT1G62690	-1.4615163	-1.824598	1.4199051	0.9739192
AT1G62770	AT1G62770	3.0970678	2.948156	4.7463627	4.87314
AT1G62790	AT1G62790	3.605156	3.6276674	4.614371	4.61821
AT1G62850	AT1G62850	2.4306505	2.3775556	3.096079	3.0885212
AT1G62886	AT1G62886	-4.991319	-4.5493884	-0.31977853	-0.31609514
ATRBL2	AT1G63120	2.4454062	2.483906	3.2364216	3.3519566
AT1G63360	AT1G63360	0.08889579	0.12343367	2.4874394	2.309395
AT1G63500	AT1G63500	3.8991003	3.86084	4.406101	4.4059086
AT1G63540	AT1G63540	0.80835503	0.7681286	2.5478785	2.4824576
IMP4	AT1G63780	3.7139673	3.7633092	4.574242	4.476399
AT1G63830	AT1G63830	3.3626606	3.4633214	3.8908684	4.0441422
AT1G64100	AT1G64100	1.0749558	1.0241247	2.0633256	1.8775401
ANAC027	AT1G64105	0.9195134	0.908612	1.8088989	1.6588563
AT1G64160	AT1G64160	-4.991319	-5.077709	-1.861925	-0.92356396
AT1G64185	AT1G64185	0.13339008	-0.07392086	1.0582042	0.922345
AT1G64240	AT1G64240	-5.0419865	-5.128377	-0.14365222	-0.5250773
AT1G64250	AT1G64250	-3.694996	-3.586399	-0.6513304	-0.6050063
AT1G64255	AT1G64255	-4.361663	-5.077709	-0.2594733	-0.54604703
AT1G64300	AT1G64300	-0.43783286	-0.49177885	0.61209667	0.81636053
AT1G64980	AT1G64980	3.5308716	3.643677	4.144766	4.151565
AT1G65180	AT1G65180	-0.9843771	-0.9230835	1.017252	1.1203986
AT1G65250	AT1G65250	-1.6801981	-1.9763738	0.53358406	0.6334339
AT1G65280	AT1G65280	2.8478508	2.8445027	4.0445127	3.9416618
mtACP2	AT1G65290	4.507328	4.526319	6.3021526	6.2268376
ATXTH17	AT1G65310	-0.4230237	0.4776987	1.4139552	1.9034823
AT1G65370	AT1G65370	-4.607318	-5.077709	3.5964363	3.4857695
AT1G65570	AT1G65570	-1.4615163	-1.1049575	0.11078101	0.32996976
ARK1	AT1G65790	-3.620865	-2.812423	0.5005627	0.6478512
GAD2	AT1G65960	6.4390635	6.43705	7.0546837	7.09396
AT1G65985	AT1G65985	1.075287	1.0916095	2.06064	2.2128313
VIM2	AT1G66050	-2.7592108	-2.3172805	-0.35494292	-0.7230425

AT1G66100	AT1G66100	-5.0419865	-5.128377	-1.9026767	-1.4605498
AT1G66250	AT1G66250	2.6894112	2.4187396	3.2274563	3.013151
AT1G66540	AT1G66540	-3.694996	-3.373922	-1.0078441	-1.0287312
AT1G66880	AT1G66880	1.5490599	1.6455493	2.2196128	2.3882456
SVL2	AT1G66970	4.87042	4.9795156	5.896048	6.0774436
SNC4	AT1G66980	3.9745038	3.8989353	4.572761	4.4624925
AT1G67105	AT1G67105	-0.9892593	-0.52596885	6.891405	6.858612
AT1G67330	AT1G67330	2.9966862	3.1894722	3.7378304	3.9019003
AT1G67350	AT1G67350	3.4725196	3.628909	5.4638867	5.4317665
AT1G67365	AT1G67365	-5.0419865	-5.128377	-0.1287008	-0.18062438
AT1G67470	AT1G67470	-0.024897717	0.17569077	1.7403545	1.7761878
AT1G67480	AT1G67480	4.6999793	4.728153	5.1578526	5.140896
AT1G67660	AT1G67660	2.5444057	2.4004948	3.1446922	2.9875138
AT1G67910	AT1G67910	-1.0701731	-0.9839473	2.4862442	2.5262656
AT-HSFA8	AT1G67970	-0.259389	-0.28930643	1.2179545	1.1987978
ADO3	AT1G68050	1.357172	1.8009075	3.4907157	3.5441806
AtIDD14	AT1G68130	2.7856283	2.6181688	3.280063	3.1212358
AT1G68570	AT1G68570	3.4725225	3.0422122	4.363676	3.816912
AT1G68730	AT1G68730	2.585124	2.60359	3.2131777	3.120388
ago-07	AT1G69440	2.583929	2.3350565	3.245715	3.1806328
AT1G69450	AT1G69450	3.4145691	3.5163727	4.3912144	4.460214
AT1G69550	AT1G69550	1.1241308	1.1708933	2.4608305	2.3822277
AT1G69710	AT1G69710	-0.5075819	-0.83080345	0.58225507	0.5318768
AT1G69840	AT1G69840	2.520878	2.6932003	3.429857	3.5463665
AT1G70080	AT1G70080	-4.6579857	-5.077709	1.0364361	0.92351437
AT1G70430	AT1G70430	1.7000184	1.3229079	2.5299637	2.4112642
AT1G70670	AT1G70670	0.87075025	1.158762	2.313534	2.3400278
AT1G71140	AT1G71140	0.8525426	1.2767011	2.0175915	2.1524456
AT1G71420	AT1G71420	-1.7678763	-2.0999215	-0.16469167	-0.2925357
AT1G71460	AT1G71460	0.64919144	0.104981594	2.1794488	2.1982572
AT1G72020	AT1G72020	4.354288	4.5137143	5.314732	5.3234982
PATL1	AT1G72150	6.2492175	6.508761	6.8277802	7.008619
THI2.1	AT1G72260	-5.0419865	-5.128377	-1.1126157	-0.33172435
ALAAT2	AT1G72330	2.338558	2.299546	3.0196934	2.8451269
JAZ6	AT1G72450	3.8606987	4.0757747	4.4858603	4.5955944
AT1G72900	AT1G72900	1.7347221	1.897338	2.9105053	2.9575126
BGAL17	AT1G72990	1.5265975	1.3193684	2.3796964	2.4362724
scpl2	AT1G73300	0.5023339	0.756211	2.061406	1.8578681
ATMKK9	AT1G73500	1.6791452	1.7722187	2.4914944	2.4688313
AT1G73805	AT1G73805	-0.6295303	-1.0396504	1.3730243	1.3008724
SOT18	AT1G74090	4.2701707	4.3009276	4.691157	4.78766
AT1G74210	AT1G74210	2.4653533	2.3682349	3.467368	3.4038417
AT1G75190	AT1G75190	1.2295983	1.1176933	2.2542717	2.1340706
GASA1	AT1G75750	6.3724265	6.317219	7.4438825	7.023602
TUB1	AT1G75780	4.1672935	4.290718	4.7715178	4.820913
LCR67	AT1G75830	-4.078997	-3.3914115	-1.6616235	-0.8494332
AT1G75990	AT1G75990	3.1637414	3.1898277	3.9546435	4.11335
AT1G76050	AT1G76050	3.5108073	3.3664467	4.035494	3.9228773
sks5	AT1G76160	6.3453517	6.3770065	6.9473457	6.8710284
AT1G76170	AT1G76170	-1.0593659	-1.1839705	0.7706902	0.7263551

OPR1	AT1G76680	5.7017217	6.1711903	6.723395	6.8359017
AT1G76700	AT1G76700	2.2404575	2.2369635	3.691719	3.556064
AT1G76790	AT1G76790	4.5915585	4.7006097	5.321186	5.3070025
AT1G76960	AT1G76960	-5.0419865	-5.128377	-0.9451156	-0.41870627
AT1G77920	AT1G77920	2.5411499	2.570233	3.3515704	3.5255396
AT1G77960	AT1G77960	-5.0419865	-5.128377	-2.4409132	-2.1603951
AT1G78480	AT1G78480	-2.5135558	-2.2334344	-0.395677	0.1409901
CYP708A3	AT1G78490	2.2302544	2.147277	3.1458023	3.2259934
LZF1	AT1G78600	3.451266	3.660856	4.2140465	4.4128776
AT1G78750	AT1G78750	-4.078997	-4.1653876	-0.8236637	-0.98668975
AT1G78820	AT1G78820	3.53394	3.3804293	5.1029434	4.6637626
AT1G78830	AT1G78830	5.304502	5.363211	6.4185586	6.510514
AT1G78850	AT1G78850	5.5791945	5.5854645	6.2667985	6.4560413
AT1G78860	AT1G78860	0.56645805	0.48652282	2.7998714	3.0794723
AT1G78865	AT1G78865	-0.5432203	-1.116602	0.7476302	0.7851054
UBC35	AT1G78870	4.4837427	4.5104613	4.938896	4.9926243
AT1G79210	AT1G79210	4.0078406	4.104362	4.5506597	4.533876
ALDH5F1	AT1G79440	4.726745	4.694759	5.4595013	5.455296
GA2	AT1G79460	2.043224	1.8244969	2.9322157	2.9104187
RFO1	AT1G79670	2.4393728	2.4708931	3.2235892	3.1836853
AT1G79890	AT1G79890	1.7130108	1.5538073	2.341367	2.260475
AT1G79950	AT1G79950	3.1597068	2.9615376	3.9227054	3.653835
APT2	AT1G80050	2.0976791	1.9020718	2.7229347	2.5182087
PTAC17	AT1G80480	4.980133	4.891848	5.592364	5.468067
PDE318	AT1G80770	3.7370167	3.6579564	4.667362	4.525976
AT2G01530	AT2G01530	5.0718656	5.4627748	5.6097026	5.956843
AT2G01540	AT2G01540	1.9283867	2.1300542	2.6119936	2.7747164
AT2G01710	AT2G01710	2.6184175	2.6130204	3.2595043	3.2496927
AT2G01720	AT2G01720	4.8293476	4.885086	5.3067946	5.3187447
ATCPSF73-II	AT2G01730	-0.76190215	-0.4874268	1.2499462	0.91724986
LCR69	AT2G02100	7.2233167	7.089081	7.7507515	7.6068873
AtPP2-B10	AT2G02360	0.4531122	-0.12763011	1.8278161	1.8549703
AT2G02590	AT2G02590	1.256317	1.322299	1.919507	2.0033085
AT2G02680	AT2G02680	-5.0419865	-5.128377	1.7960578	1.9251541
AT2G03460	AT2G03460	-5.0419865	-5.128377	-0.86949825	-0.74755216
AT2G03550	AT2G03550	1.8184682	2.3255272	3.6300116	3.7056978
AT2G03590	AT2G03590	-0.32086384	-0.23895113	1.0582042	0.81531924
ATDTX1	AT2G04040	0.56408906	1.0144249	2.2430089	2.23718
AT2G04360	AT2G04360	3.8436081	3.7043598	4.4217114	4.3295116
GRP-3	AT2G05520	6.7363915	6.608555	7.891947	7.783983
ATG8D	AT2G05630	2.7696407	2.9380932	3.6524527	3.567116
AT2G05812	AT2G05812	1.6706271	1.6754942	2.4227273	2.42987
AT2G05914	AT2G05914	4.738515	4.670208	6.4576774	6.3960767
AT2G06002	AT2G06002	-0.98983693	-1.3115894	2.636785	2.6702824
AT2G07750	AT2G07750	-2.782674	-2.812423	0.24987185	0.08389196
AT2G14080	AT2G14080	0.26490757	0.28307068	1.8288418	1.6870624
ALDH6B2	AT2G14170	4.416695	4.3447723	4.9218946	4.9299974
AT2G14285	AT2G14285	-5.0419865	-5.077709	2.4416227	2.2709959
LURP1	AT2G14560	-0.6702822	-0.06416941	2.4022844	2.82226
AT2G14878	AT2G14878	-5.0419865	-5.077709	3.3492057	3.2941792

AT2G15042	AT2G15042	-5.0419865	-5.128377	1.0733901	1.1844754
AT2G15130	AT2G15130	-5.0419865	-5.128377	-0.7450926	-0.40172723
FUT4	AT2G15390	1.5918713	1.9098436	2.4112852	2.6112587
UGT73B5	AT2G15480	3.9655716	4.066367	4.7821355	4.927115
UGT73B4	AT2G15490	3.0887349	3.1326573	3.8165786	3.9787624
AT2G15630	AT2G15630	-1.060536	-1.5048122	0.46383503	0.2999038
AT2G15650	AT2G15650	-5.0419865	-5.128377	-0.934805	-1.1037534
MEE14	AT2G15890	5.6223197	5.6771317	6.228929	6.3325515
AT2G15930	AT2G15930	-5.0419865	-5.128377	-2.0334494	-2.1926823
COR413-PM1	AT2G15970	5.434864	5.7696548	6.7167315	6.758062
GLB1	AT2G16060	3.6248248	3.791296	4.178102	4.395149
AT2G16140	AT2G16140	-5.0419865	-5.128377	-1.075293	-1.5570521
AT2G16365	AT2G16365	2.7494233	2.9060001	3.6534863	3.757412
ADC1	AT2G16500	5.289286	5.242213	5.801416	5.8503723
AT2G16530	AT2G16530	1.1341164	0.84018636	2.0253382	2.0671103
AT2G16650	AT2G16650	1.941924	1.8968369	3.0016115	2.849242
AT2G16670	AT2G16670	-5.0419865	-5.128377	0.9210213	0.5321369
EXL5	AT2G17230	3.5436013	3.4656458	4.0161924	4.1465755
AT2G17320	AT2G17320	3.2022746	3.0844882	4.0324435	3.999821
ATMLO7	AT2G17430	-4.6073184	-5.077709	-0.012210633	0.10559031
HMGB4	AT2G17560	4.5848155	4.645745	5.0391145	5.0626245
AT2G17580	AT2G17580	2.2964218	2.1682231	3.3630695	3.1643486
AT2G17590	AT2G17590	-5.0419865	-5.128377	-1.8160905	-1.7938832
AT2G18030	AT2G18030	2.559447	2.5865147	3.207308	3.1685765
AT2G18400	AT2G18400	2.0289772	1.8913978	3.2548141	3.230581
AT2G18410	AT2G18410	1.3448626	1.2982726	2.4382005	2.4160333
GUT15	AT2G18440	4.6398215	4.5391746	5.502094	5.518618
AT2G18560	AT2G18560	1.665443	1.7499027	2.935006	2.7833586
ATXTH21	AT2G18800	-0.9714095	-1.116602	0.68376756	0.27658403
HPT1	AT2G18950	3.161588	3.1412404	3.830347	3.8843448
AT2G19310	AT2G19310	1.9686686	2.021335	3.2413409	3.3197129
TAG1	AT2G19450	3.1614113	3.136627	3.946483	3.7275593
ACO1	AT2G19590	1.8852471	1.877707	2.5862813	2.7655346
ASHR2	AT2G19640	1.9589423	1.7188126	2.7959044	2.775707
ATPRMT1A	AT2G19670	3.0349758	2.9494545	3.7466497	3.517978
AT2G19750	AT2G19750	5.083176	5.0798965	5.6614156	5.5800147
MIOX2	AT2G19800	3.699853	3.1389358	4.5569725	3.967329
AT2G20142	AT2G20142	-0.3852433	-0.19466455	0.74650073	0.81990963
MEO	AT2G20160	-5.0419865	-5.128377	-1.6669375	-0.7704201
PIL5	AT2G20180	3.7271736	3.6755779	4.414993	4.297916
AT2G20400	AT2G20400	0.6056281	0.41594347	1.908071	1.6520077
AT2G20410	AT2G20410	0.74338716	0.49998605	1.6110849	1.6414138
AT2G20460	AT2G20460	-5.0419865	-5.128377	0.5339416	0.6754635
FLA6	AT2G20520	-2.531045	-1.4594584	-0.36162212	0.17019808
AT2G20790	AT2G20790	3.3104365	3.24747	3.8533595	3.9201143
AT2G20950	AT2G20950	3.302293	3.3654416	3.9156647	3.97118
AT2G21045	AT2G21045	0.99648196	1.2897116	4.0300403	4.157805
RD2	AT2G21620	4.1438117	4.1637707	5.466192	5.3142877
AT2G21640	AT2G21640	-0.16871457	-0.15096061	2.0143907	1.6035477
ATGRP7	AT2G21660	8.341392	8.378919	9.764987	9.646419

AT2G21830	AT2G21830	0.3329781	0.19355114	1.2883643	1.21038
AT2G21840	AT2G21840	-4.2233167	-5.0270414	1.8745227	1.9808623
AT2G21850	AT2G21850	-1.5876867	-1.2530656	1.4450556	1.6448361
AT2G21860	AT2G21860	1.7392942	1.6310668	4.5285892	4.420175
AT2G22400	AT2G22400	4.857202	4.723152	5.3585544	5.2268953
AT2G22450	AT2G22450	2.9564724	2.916417	3.8333378	3.7916791
UCP5	AT2G22500	2.376187	2.6636508	3.0615056	3.332835
AT2G22710	AT2G22710	-5.0419865	-5.128377	0.49069384	0.07140041
AT2G23100	AT2G23100	0.4092982	0.3924804	1.8780864	1.8101273
AT2G23200	AT2G23200	0.9972016	0.666157	1.998393	1.9596142
AT2G23330	AT2G23330	-5.0419865	-5.128377	-0.56594783	-0.8200864
AT2G23400	AT2G23400	-4.991319	-4.693708	-1.6434742	-1.9039329
AT2G25250	AT2G25250	2.3794367	2.61965	2.9860647	3.1332216
AT2G25310	AT2G25310	3.9190016	4.002807	4.6066737	4.5945563
AT2G25510	AT2G25510	0.7694265	0.93881375	4.198879	4.2554708
AT2G25590	AT2G25590	1.2927464	1.1087587	2.1138365	2.2263105
HCS1	AT2G25710	3.1227112	3.1255457	3.663779	3.634325
ELF3	AT2G25930	4.2753267	4.1233506	4.889713	4.7076297
AT2G26370	AT2G26370	-0.5571201	-0.6544458	0.8490868	0.5490535
PLP2	AT2G26560	1.5643779	1.7589922	3.0556376	3.376413
ATPP2-A3	AT2G26820	-5.0419865	-5.128377	-1.6702887	-1.0135375
AT2G26840	AT2G26840	1.6518955	1.5199782	2.340621	2.2027023
PAP1	AT2G27190	3.5826092	3.6393225	4.04456	4.1653543
AT2G27200	AT2G27200	1.5540432	1.6647125	2.874011	2.903471
BSL3	AT2G27210	3.8809288	3.686222	4.4005384	4.3702483
AT2G27360	AT2G27360	2.659057	2.6107872	3.5576432	3.3243835
AT2G27385	AT2G27385	3.7057114	3.7767575	4.6100583	4.733727
TAS1A	AT2G27400	1.4146557	1.3781298	2.4279878	2.33262
AT2G27500	AT2G27500	2.9571908	3.0258977	4.042242	4.0651174
ATIPT2	AT2G27760	-0.032574724	0.2057032	1.9521066	1.7025098
KCS12	AT2G28630	2.127782	2.059014	3.0286682	2.8221521
emb1997	AT2G28880	1.7390741	1.5557617	2.4137897	2.2986956
AT2G29260	AT2G29260	0.02956303	-0.014983729	1.8483725	1.5370821
AT2G29310	AT2G29310	3.331316	3.4640396	4.135453	4.1993937
AT2G29320	AT2G29320	2.1764536	1.8773533	2.9912245	2.7189054
AT2G29470	AT2G29470	-2.1281826	-2.1565633	0.53796583	1.0939587
AT2G29480	AT2G29480	-1.3325084	-1.3151385	0.86390233	1.2578148
AT2G29490	AT2G29490	2.6660242	2.8968277	3.706103	3.7414987
TIM10	AT2G29530	4.600363	4.5679364	5.070874	5.0627637
OTP81	AT2G29760	2.2319415	2.031783	2.9426708	2.69815
AT2G29910	AT2G29910	-3.0184135	-2.4480531	3.1525066	2.9474304
WRKY25	AT2G30250	1.5090871	1.5664673	2.3125973	2.2980666
AT2G30460	AT2G30460	2.6046834	2.5968764	3.6742904	3.6183987
AT2G30600	AT2G30600	5.638809	5.355812	6.35996	6.148772
AT2G30670	AT2G30670	-2.6519015	-2.0716255	0.225688	0.68147904
ATGSTF10	AT2G30870	7.4822693	7.581552	7.960438	8.096006
AT2G30930	AT2G30930	3.4101326	3.855416	4.4333243	4.5977154
AT2G30945	AT2G30945	-5.0419865	-5.128377	-1.6346502	-2.3310282
AT2G31150	AT2G31150	3.0365553	2.9784753	3.835289	3.656992
ADS2	AT2G31360	5.1595216	5.1524224	5.9589133	5.791203

AT2G32235	AT2G32235	3.8499057	3.9958131	4.6407304	4.571342
AT2G32240	AT2G32240	5.623546	5.4819427	6.247356	6.142154
ZIP3	AT2G32270	0.9473497	0.76640916	1.7363051	1.9919008
AT2G32630	AT2G32630	-0.8424018	-1.0172793	0.40852436	0.22693788
AT2G32910	AT2G32910	3.840154	3.83525	5.0735283	5.0388207
AT2G33570	AT2G33570	2.9475582	3.0109937	3.5390456	3.620613
AT2G33845	AT2G33845	3.3682156	3.4565442	3.865512	3.9029639
AT2G34490	AT2G34490	2.8175945	2.5688684	4.0855207	4.1983814
AT2G34655	AT2G34655	-4.991319	-4.5493884	4.3007026	4.218697
MEE22	AT2G34780	1.7483705	1.4928703	3.695277	3.587581
AT2G34810	AT2G34810	2.4962823	2.8173895	3.3690221	3.570974
AT2G34910	AT2G34910	0.10297948	0.07877829	1.0662867	1.1279618
AT2G35130	AT2G35130	1.9377433	1.6848922	2.5563333	2.3437731
DML1	AT2G36490	2.0669348	1.9357343	3.7564192	3.733385
AT2G36540	AT2G36540	-3.694996	-4.6937084	-0.9711165	-1.2372661
AT2G36550	AT2G36550	-5.0419865	-5.128377	-1.5974087	-2.0347052
AT2G36680	AT2G36680	2.5884898	2.6927118	3.2631252	3.2649658
UGT73C6	AT2G36790	-2.137521	-2.812423	-0.005306363	-0.21763481
AT2G36792	AT2G36792	-2.059366	-2.7813864	0.3556901	0.39004865
DOGT1	AT2G36800	2.802171	2.6860561	4.009241	3.6862307
RIP3	AT2G37080	3.95858	3.7004242	4.450155	4.2494903
ATPHAN	AT2G37630	4.1204677	4.2411866	4.5988154	4.6634336
AT2G37690	AT2G37690	4.082299	3.849334	4.6506658	4.4259253
AT2G38220	AT2G38220	-4.607318	-4.7443757	-0.9768076	-1.2184048
AT2G38240	AT2G38240	-0.3519003	-0.29776385	1.2222968	1.6768259
ATPT2	AT2G38940	3.4494417	3.3930962	3.9997215	3.8461459
AT2G39110	AT2G39110	1.752956	2.009168	2.5172431	2.5752275
JAL23	AT2G39330	-1.9111042	-1.2841021	0.6854256	0.9500682
AT2G39400	AT2G39400	3.7632434	3.9418542	4.5054135	4.936256
AT2G39900	AT2G39900	3.4690666	3.5571797	4.1514306	4.19632
ELF4	AT2G40080	2.1526346	2.2152054	3.0581186	3.164237
PYL6	AT2G40330	1.8413242	1.5799211	2.6927269	2.6100612
DREB2C	AT2G40340	-1.2619267	-1.1497804	0.6575486	0.85383487
TCH3	AT2G41100	4.118867	4.607111	4.8000846	5.2475553
AT2G41170	AT2G41170	-0.52112925	-0.7084647	1.4933176	1.3085597
AT2G41190	AT2G41190	2.107913	2.1416605	3.2123086	3.1225307
BOP2	AT2G41370	1.9313883	2.005434	2.621302	2.5854673
ACA4	AT2G41560	5.8650613	5.490088	6.6218886	6.3511353
AT2G41600	AT2G41600	1.9802066	2.007644	2.9295309	2.9323387
AT2G41640	AT2G41640	2.553235	2.4959557	3.7844818	3.738168
MIZ1	AT2G41660	2.817294	3.0062218	3.550144	3.6888177
AT2G43140	AT2G43140	2.4878342	2.5646503	3.348799	3.5421393
AT2G44290	AT2G44290	-1.1133847	-1.3758044	2.024482	1.6877675
AT2G44300	AT2G44300	0.7060859	0.7650604	1.8189322	1.8894148
AT2G44500	AT2G44500	3.0959198	3.2450008	3.633023	3.7608488
AT2G44995	AT2G44995	-5.0419865	-5.128377	-2.2829363	-1.4605498
AT2G45150	AT2G45150	1.6605072	1.6562256	2.478124	2.3632066
AT2G45180	AT2G45180	8.341605	8.4386	9.099788	9.002839
AT2G45245	AT2G45245	-3.3420315	-2.2334344	0.059919987	0.12796171
AT2G45930	AT2G45930	-5.0419865	-5.128377	-1.0509385	-1.015844

ATCNGC11	AT2G46440	-3.6208656	-3.1087456	-0.73981756	-0.114809036
CNGC12	AT2G46450	-3.8899834	-3.3603752	-0.5384604	-0.2129858
AT2G46640	AT2G46640	1.3084697	1.4792753	2.0772116	2.2549827
AT2G46750	AT2G46750	1.256317	1.3376144	2.5115902	2.4901254
AtPPa3	AT2G46860	-0.7220416	-0.7889597	0.5628289	0.53111285
AT2G46980	AT2G46980	0.9149115	0.9617534	2.9532127	2.8334596
LACS1	AT2G47240	4.5777454	4.681143	5.1859326	5.215656
AT2G47250	AT2G47250	3.6280348	3.4150078	4.8980803	4.82016
MYB12	AT2G47460	0.73990655	0.5400606	1.5415221	1.7811252
AT3G01310	AT3G01310	4.5452895	4.622984	5.099836	5.219153
AT3G02500	AT3G02500	-1.6383544	-2.7813864	0.3117237	-0.34243333
SADHU6-1	AT3G02515	-4.991319	-4.693708	4.031673	4.1386275
GRF7	AT3G02520	4.1157837	4.1669903	5.3512855	5.331989
AT3G02620	AT3G02620	0.6797111	0.7581009	2.329594	2.0629566
AT3G02900	AT3G02900	2.7836761	2.7406251	3.6324065	3.705347
AT3G03060	AT3G03060	3.5041187	3.2963345	4.008018	3.8141868
GLR1	AT3G04110	1.2476996	1.4072785	2.287585	2.446863
AT3G04210	AT3G04210	-3.607318	-3.1147196	1.4248456	1.89326
AT3G04230	AT3G04230	2.399632	2.5449407	3.332403	3.2790048
AT3G04330	AT3G04330	-5.0419865	-5.128377	-0.69726205	-0.20622961
THA2	AT3G04520	3.2011375	3.0958498	3.74956	3.642485
AT3G04820	AT3G04820	2.9439418	2.7778313	3.436077	3.4559624
AT3G05350	AT3G05350	4.829969	4.735057	5.642669	5.6313577
AIF1	AT3G05800	1.0325421	1.0218617	1.9293019	1.7835231
AT3G06170	AT3G06170	2.9988804	3.0801506	3.60544	3.6911047
AT3G06500	AT3G06500	3.6299973	3.6395035	4.222917	4.1615577
AT3G07290	AT3G07290	-0.36590803	-0.66810304	0.9412053	0.91584665
AT3G07380	AT3G07380	-4.657985	-5.128377	-1.9125925	-1.4147153
ATG10	AT3G07525	0.36978605	0.15318944	1.7121782	1.5407008
COL9	AT3G07650	2.730809	2.7566154	3.8151233	3.6192095
AT3G07720	AT3G07720	3.4649982	3.4246476	4.0381255	4.216886
AT3G08000	AT3G08000	0.06827957	-0.023648784	1.1774734	0.9158466
AT3G08800	AT3G08800	1.3031659	1.2214231	2.1006725	2.117348
AT3G08810	AT3G08810	-3.4123304	-4.0270414	-1.0587945	-0.97169393
MT2A	AT3G09390	6.380735	6.329242	7.091408	7.0382304
AT3G09925	AT3G09925	1.5682455	1.6986194	2.326347	2.491153
MDHAR	AT3G09940	2.9945116	2.9073918	4.060271	3.7450554
AT3G09960	AT3G09960	-4.55665	-4.4987206	0.7919157	0.847397
AT3G10020	AT3G10020	5.169319	4.960363	5.937069	5.9321
AT3G10300	AT3G10300	3.106903	3.220643	3.7045233	3.745085
RHS12	AT3G10710	1.2656779	1.3270127	2.283326	2.4672709
AT3G11000	AT3G11000	-2.6753647	-3.6937082	-0.17827927	-0.030850967
AtRLP34	AT3G11010	-0.3935348	-0.16796856	1.4301866	1.8147014
AT3G11070	AT3G11070	3.180026	3.2172673	3.9481237	3.8166544
ELO1	AT3G11220	1.721552	1.676053	2.7229278	2.6698892
ATE2	AT3G11240	1.2501293	1.1543986	2.3137012	2.1246908
AT3G11402	AT3G11402	3.2404327	3.1920288	3.6703262	3.7070305
PRA1.A3	AT3G11397	3.091058	3.0564559	3.609206	3.6366246
AT3G11970	AT3G11970	-5.0419865	-5.128377	-1.9768076	-1.2053716
AT3G12030	AT3G12030	1.4249405	1.7259976	2.3060231	2.4271786

AT3G12700	AT3G12700	2.0987685	2.0285804	2.84288	2.7403593
ATMRP3	AT3G13080	4.5039253	4.330696	5.3027034	5.1340528
AT3G13740	AT3G13740	3.8023398	3.8420782	4.4070344	4.3056507
AT3G13940	AT3G13940	3.2918346	3.2956874	4.138515	3.9899094
AT3G14150	AT3G14150	2.5579293	2.0836606	3.1152337	2.7523754
ATPME3	AT3G14310	6.864694	6.8164077	7.3470287	7.3866386
CYP72A8	AT3G14620	3.181859	3.5648353	4.1400256	4.2186317
CYP72A11	AT3G14650	3.815322	3.6499805	5.359505	5.2433524
CYP72A14	AT3G14680	2.8412971	2.8955514	3.476474	3.5501468
AT3G14840	AT3G14840	5.650809	5.811501	6.2829776	6.42181
AT3G14900	AT3G14900	3.730693	3.3551266	4.1895404	3.8543873
AT3G15140	AT3G15140	2.2103322	2.0967329	2.867078	2.8855088
CUC1	AT3G15170	-2.5000086	-2.9332793	-0.46203408	-0.29562828
AT3G15356	AT3G15356	4.459868	4.750747	5.0688157	5.4078617
ATA20	AT3G15400	-0.08205935	0.060902268	1.1694233	1.3669714
AT3G15720	AT3G15720	1.4777447	1.6402775	2.58917	2.3852704
MFP1	AT3G16000	4.935657	4.894517	5.6161823	5.5494637
CES101	AT3G16030	-0.9716878	-1.3022512	1.8291283	1.8440562
AT3G16180	AT3G16180	3.3072708	3.42545	3.9861984	4.155868
NSP3	AT3G16390	-2.1977117	-2.3914113	0.42670432	0.2993977
AT3G16530	AT3G16530	3.4634435	3.7514725	4.8735943	4.9841895
AT3G16650	AT3G16650	1.5936784	1.4672898	2.8074377	2.8118813
AT3G16740	AT3G16740	1.6057955	1.566275	2.5824268	2.5098677
AT3G16750	AT3G16750	-5.0419865	-5.128377	2.9773226	2.8859818
RAP2.3	AT3G16770	6.150997	6.064368	7.44776	7.653892
APUM24	AT3G16810	4.182323	3.9650142	4.712348	4.574703
AT3G17280	AT3G17280	-2.5876868	-2.5357313	-0.46432963	-0.33186373
AT3G17310	AT3G17310	2.7287357	2.4173663	3.6022346	3.580759
AT3G17626	AT3G17626	-0.22378671	-0.2382675	1.0660685	0.81990963
ATCHX19	AT3G17630	0.18679	0.065107614	1.465995	1.3430945
AT3G17890	AT3G17890	-1.134388	-1.111288	1.387822	1.3980061
MSH2	AT3G18524	2.274617	2.1987133	2.822593	2.75803
AT3G18530	AT3G18530	-5.0419865	-5.128377	-1.8951035	-1.9011925
AT3G18535	AT3G18535	-5.0419865	-5.128377	2.6920197	2.7962532
PARLL1	AT3G18610	0.9862599	0.5653388	2.7393868	2.4853306
AT3G18870	AT3G18870	0.06113584	-0.2512947	1.3465964	1.3427411
AT3G19250	AT3G19250	-0.6621724	-0.48311377	0.6393503	0.7226359
AT3G19440	AT3G19440	1.6533736	1.5518149	2.7187483	2.5312006
BCAT4	AT3G19710	5.902864	5.8137755	6.505655	6.511473
AT3G19740	AT3G19740	4.3013463	4.200152	4.6875663	4.647019
AT3G20240	AT3G20240	2.488167	2.541321	3.1785088	3.1237967
ATEHD1	AT3G20290	4.171366	4.2968698	4.778485	4.7620025
EMB2729	AT3G20440	3.9136016	3.354	4.416943	4.0461
AT3G20830	AT3G20830	-0.3272334	-0.33774742	1.3186624	1.4694462
AT3G21080	AT3G21080	-5.0419865	-5.077709	-0.5241042	-0.4853126
PUR7	AT3G21110	3.38023	3.24953	3.8974993	3.793192
AT3G21300	AT3G21300	3.7208683	3.5449343	4.189196	4.110554
AHP1	AT3G21510	3.3835285	3.4611619	4.038285	4.105847
AT3G21540	AT3G21540	3.897042	3.7549083	4.5496945	4.3713436
AT3G21690	AT3G21690	4.6615634	4.543493	5.3685365	5.0790963

AT3G21950	AT3G21950	1.6589719	1.8677851	2.5201752	2.5079262
CWLP	AT3G22120	8.182719	7.886553	8.794888	8.624949
AT3G22121	AT3G22121	-0.48188248	-0.67145425	0.7718231	0.6305599
AT3G22142	AT3G22142	5.380737	4.985201	6.034678	5.9383755
IQD5	AT3G22190	4.0310087	3.9481974	4.721327	4.6749215
PCC1	AT3G22231	-4.991319	-4.7443757	0.6571339	1.3389667
AT3G22580	AT3G22580	-5.0419865	-5.128377	-1.92614	-1.8903853
RDM1	AT3G22680	1.8546788	1.7971543	2.6319077	2.6180584
TIF3C2	AT3G22860	-1.8234259	-1.3825874	1.5708318	1.4603196
AT3G22940	AT3G22940	-5.0419865	-5.128377	1.2398677	1.2786777
XRCC4	AT3G23100	1.7850775	1.8928951	2.5386775	2.6421626
LSH4	AT3G23290	1.4758968	1.2678233	2.3549364	2.3614447
AT3G23300	AT3G23300	4.710949	4.708653	5.6153216	5.564114
AT3G23470	AT3G23470	1.2586995	1.2210947	2.1160204	2.1002443
AT3G23510	AT3G23510	0.989158	0.67268616	2.676302	2.0453997
AT3G23550	AT3G23550	1.2563347	1.3768959	3.2714348	3.6907778
AT3G24780	AT3G24780	-4.9406514	-4.360375	-1.1075802	-1.5185596
VAMP728	AT3G24890	-3.0283291	-2.9332793	0.06824557	0.08212722
AtRLP42	AT3G25020	0.450372	0.34140363	1.6337523	1.7173563
RIN4	AT3G25070	3.06194	3.0335999	3.7869136	3.7098205
AOC1	AT3G25760	2.6997693	2.700864	3.634592	3.6871784
AT3G25795	AT3G25795	-4.6579857	-3.2023976	-1.3646406	-1.1312408
AT3G25905	AT3G25905	-1.1742486	-0.9839471	0.76662356	0.47386703
CYP71B19	AT3G26170	1.0208317	1.2050997	2.2012813	2.1113255
CYP71B3	AT3G26220	-0.2513571	-0.52596885	0.8209343	0.5084865
CYP71B24	AT3G26230	-0.8333419	-0.9547928	0.2601825	0.6139809
CYP71B4	AT3G26280	2.3023465	2.1987207	3.2196863	2.7932942
CYP71B26	AT3G26290	2.2440672	1.3464476	3.550491	3.0219364
CYP71B36	AT3G26320	-1.3960505	-2.3407438	0.2624601	-0.23589402
AT3G26340	AT3G26340	3.176545	3.2059355	3.692542	3.6787531
AT3G26480	AT3G26480	-0.63807607	-1.2644709	0.86270696	0.5188288
AT3G26539	AT3G26539	-5.0419865	-5.128377	-2.2262948	-2.160395
AT3G26580	AT3G26580	3.9656947	3.9724276	4.8624005	4.732422
CCL	AT3G26740	6.402897	6.7448106	7.271099	7.3282933
AT3G26800	AT3G26800	-5.0419865	-5.128377	-2.0752928	-1.7197523
AT3G26840	AT3G26840	2.735531	2.2824476	3.3991172	2.9677703
AT3G27360	AT3G27360	3.6574209	3.7186937	4.1125083	4.2364573
AT3G27390	AT3G27390	3.6030216	3.599313	4.1174273	4.0379195
AT3G27884	AT3G27884	-2.782674	-2.6430407	1.6746988	1.3184277
AT3G27906	AT3G27906	0.2009052	-0.14139287	2.086271	2.1384423
AT3G28060	AT3G28060	-4.991319	-5.077709	-1.3754478	-1.9727497
AT3G28070	AT3G28070	1.4432325	1.7762607	2.6820679	2.62616
AT3G28080	AT3G28080	1.6151162	1.7105618	2.7796724	2.8626356
ATCSLC04	AT3G28180	4.0974755	4.139801	5.199286	5.045275
AT3G28220	AT3G28220	1.7695793	1.7881445	4.568808	4.7299924
AT3G28270	AT3G28270	-2.0359027	-2.976374	0.924109	0.50230306
AT3G28310	AT3G28310	-5.0419865	-5.128377	-0.39920464	0.045399558
AT3G28320	AT3G28320	-4.2739844	-4.976374	3.5053756	3.7695208
AT3G28580	AT3G28580	-3.0283291	-2.5357313	0.014527281	-0.31139687
PME31	AT3G29090	2.5209827	2.551384	3.0500314	3.067996

AT3G29375	AT3G29375	-0.28659353	-0.037946165	1.0948633	1.0161916
AT3G42052	AT3G42052	-5.0419865	-5.128377	3.1661484	3.1386516
AT3G42090	AT3G42090	-3.1666753	-3.4480531	0.118913256	0.07374493
AT3G42110	AT3G42110	-5.0419865	-5.128377	-0.21992512	-0.24593113
SADHU3-2	AT3G42658	-5.0419865	-5.077709	3.761016	3.8623867
AT3G42806	AT3G42806	-5.0419865	-5.128377	-0.18320043	-0.33669695
AT3G43270	AT3G43270	1.8340629	1.9341067	2.5046797	2.6072989
AT3G43290	AT3G43290	-5.0419865	-5.128377	-0.07315085	0.016900845
AT3G43610	AT3G43610	3.402115	3.2428274	4.807606	4.6899796
AT3G43670	AT3G43670	2.3892872	2.44075	3.861926	3.6273296
ZIFL2	AT3G43790	-0.08133784	-0.10319651	1.0135547	0.8501735
SADHU3-1	AT3G44042	-5.0419865	-5.128377	3.2914689	3.3594272
AT3G44480	AT3G44480	0.59008986	0.30204645	1.9445804	1.9383683
AT3G44670	AT3G44670	-0.46908948	-0.9401991	1.568821	1.425737
HDA3	AT3G44750	4.8875327	4.860906	5.9975457	5.847117
AT3G44820	AT3G44820	1.0199032	1.0964822	2.0232146	1.8392034
AT3G44970	AT3G44970	-1.6060672	-3.9763737	1.0054559	0.36035237
XTR8	AT3G44990	4.4844823	4.2516713	6.2068105	5.942637
AT3G45020	AT3G45020	-0.8041876	-0.67911273	0.96534157	0.77900785
AT3G45040	AT3G45040	1.7966194	1.7562317	3.0152562	2.819167
AT3G45050	AT3G45050	2.6228344	2.6281517	3.306451	3.1875544
AT3G45160	AT3G45160	2.0339956	2.0387337	2.6814928	2.8290389
AT3G45260	AT3G45260	1.7996197	1.6896714	2.7174625	2.480036
IVD	AT3G45300	3.7836869	3.7658088	4.2246003	4.1774397
AT3G45443	AT3G45443	-0.92102003	-0.9205678	2.1490583	2.1392596
CRK4	AT3G45860	-4.991319	-5.128377	-1.0927821	-1.533589
ADF2	AT3G46000	4.3047156	4.421629	4.826386	4.8551393
AT3G46080	AT3G46080	-4.078997	-3.4480531	-1.052425	-1.0112422
AT3G46270	AT3G46270	-2.3420317	-1.4499353	-0.012960091	0.33095434
AT3G46490	AT3G46490	1.5409003	1.9350353	2.9696274	3.0497646
RPP13	AT3G46530	2.1936874	1.716031	3.9817898	3.8665555
AT3G46600	AT3G46600	3.4384034	3.1926224	4.0187893	3.8782113
PCL1	AT3G46640	3.4607697	3.5437253	3.9468307	4.0089855
UGT76E12	AT3G46660	-1.211259	-2.2530656	0.48760095	0.17508034
TOPP5	AT3G46820	3.3427784	3.3201115	3.8302124	3.8975322
AT3G46880	AT3G46880	-3.2543535	-2.3717802	-0.6434743	-0.5530611
ATPHS2	AT3G46970	5.700129	5.5740623	6.7148776	6.448398
AT3G47040	AT3G47040	-1.0873839	-1.3045689	0.31744984	0.46277952
AT3G47160	AT3G47160	2.5881746	2.6027627	3.3509295	3.2263138
AT3G47210	AT3G47210	-3.0283291	-2.1404426	0.35491285	0.5289534
ATPLC9	AT3G47220	-1.211259	-1.3144265	1.7340765	1.6761822
AT3G47250	AT3G47250	-4.991319	-5.128377	3.6301908	3.7640746
ATPLC8	AT3G47290	-4.2739844	-4.6937084	4.057402	3.972929
AT3G47348	AT3G47348	-2.1160076	-2.674077	0.70673436	0.61484796
ATHSD2	AT3G47350	-4.991319	-4.7443757	4.1988544	4.233461
ATHSD3	AT3G47360	-1.9628638	-1.887445	2.4801574	2.5817525
PHS1	AT3G47390	2.887388	2.7526238	3.5159445	3.4500372
ATNOS1	AT3G47450	4.3741984	4.1786685	4.97805	4.9017615
AT3G47480	AT3G47480	-1.3873854	-0.6658818	1.383063	1.5516189
AT3G47550	AT3G47550	2.7057362	2.7591515	3.4529924	3.5411074

AT3G47570	AT3G47570	2.218365	1.8298775	2.967062	2.7761157
AT3G47580	AT3G47580	-5.0419865	-5.128377	0.10311534	-0.2948533
ATATH1	AT3G47730	3.9319246	3.9688578	4.843432	4.7467747
ATATH6	AT3G47780	1.7546722	1.7940477	2.479967	2.4831903
AT3G47800	AT3G47800	3.7841156	3.2631495	4.220554	3.8185818
AT3G48346	AT3G48346	-5.0419865	-5.128377	-1.8803054	-1.941053
BT2	AT3G48360	5.391257	5.071811	5.8993134	5.6690083
GAMMA CAL2	AT3G48680	3.6072521	3.6916025	4.291637	4.388064
AT3G48770	AT3G48770	-2.6383543	-3.11472	-0.43345746	-0.41570997
AtMYB45	AT3G48920	0.8529372	1.1579746	1.766874	2.0087407
ATPSK4	AT3G49780	2.855442	3.0492933	4.041634	4.2739115
AT3G49970	AT3G49970	1.2465795	1.3653754	2.2989638	2.3741558
AT3G50020	AT3G50020	-5.0419865	-5.128377	0.5624793	0.51565135
AT3G50120	AT3G50120	-1.8751855	-2.5572445	0.94648033	0.84597874
AT3G50190	AT3G50190	-3.6949959	-2.2530658	-0.6804848	-0.5185597
AT3G50270	AT3G50270	2.0264301	1.7032328	2.8201516	2.392457
AT3G50300	AT3G50300	-1.5491943	-2.0331333	1.0595654	0.8913644
AT3G50420	AT3G50420	-1.1258763	-1.2841021	0.385867	0.47791448
ATMES10	AT3G50440	2.4515636	2.6152284	3.2177918	3.1485252
AT3G50550	AT3G50550	1.83211	1.841072	2.5438926	2.6672118
KRP2	AT3G50630	1.881733	1.8315102	2.622773	2.444105
CML41	AT3G50770	-0.8603875	-0.17545865	1.8713928	1.7181565
AT3G50845	AT3G50845	-1.1780804	-1.0257908	0.84656066	0.65842086
AT3G50880	AT3G50880	2.3348482	2.2611172	3.1059399	3.1718864
AT3G50920	AT3G50920	2.259382	2.264609	3.0965002	2.8939354
AT3G51075	AT3G51075	-4.991319	-5.128377	1.3459746	1.5792761
AT3G51090	AT3G51090	0.61392885	0.41827464	1.4887801	1.5252739
AT3G51400	AT3G51400	1.6910295	1.6157018	2.4204032	2.5537202
AT3G52390	AT3G52390	2.1256568	2.1118367	3.1793487	3.0375793
CYP71B5	AT3G53280	1.0734339	1.5165466	3.236037	3.2628744
AT3G53310	AT3G53310	-1.5876867	-1.9098164	0.5368741	0.38194248
AT3G53320	AT3G53320	1.9700314	1.9263487	2.6625595	2.5956361
CP29	AT3G53460	8.466853	8.308126	9.240273	9.139813
Fes1B	AT3G53800	2.724365	2.792105	3.8806102	3.8707895
AT3G54040	AT3G54040	2.3071928	2.7785752	3.2908714	3.4470055
AT3G54363	AT3G54363	-5.0419865	-5.128377	-0.40251735	-0.6940639
ATEP3	AT3G54420	-1.6284386	-1.8427473	0.4977255	0.59827274
TSA1	AT3G54640	5.2316737	5.349673	5.727226	5.834966
AT3G56060	AT3G56060	0.35976338	0.7060291	2.6112196	2.7541418
AT3G56300	AT3G56300	-4.991319	-4.360375	0.3247252	0.17313337
AT3G56330	AT3G56330	1.9877583	1.6303025	2.7107246	2.4483573
WRKY70	AT3G56400	1.2702746	1.4093558	2.5139742	2.8467262
SIB1	AT3G56710	-1.018567	-0.59940976	0.7413847	0.9158778
BIGYIN	AT3G57090	3.723142	3.7230148	4.2345214	4.1767545
BG3	AT3G57240	-3.4258778	-3.040589	-0.46138033	-0.26338142
AtSIP2	AT3G57520	4.5694947	4.0137076	5.3627763	4.907367
AT3G57630	AT3G57630	2.8337955	2.91583	3.531977	3.4903014
NRPA1	AT3G57660	4.490648	4.050086	4.9901624	4.83145
AT3G57785	AT3G57785	3.5908144	3.6921399	4.197119	4.1579194
SADHU10-1	AT3G58865	-0.86941403	-1.126125	3.1669033	3.341368

AT3G58940	AT3G58940	1.5132405	1.2602881	2.7121592	2.586319
AT3G59250	AT3G59250	-5.0419865	-5.128377	-0.3306078	-0.38821796
AT3G59350	AT3G59350	3.260012	3.3577874	4.0982947	4.1565833
AT3G59370	AT3G59370	-4.991319	-5.128377	-0.3457794	0.124817245
NRPB8B	AT3G59600	2.9204273	2.9440172	3.7879677	3.7693129
AT3G59820	AT3G59820	4.1770415	3.9874923	4.7721667	4.6089363
HA7	AT3G60330	1.9420671	1.9247898	2.6893227	2.77839
AT3G60420	AT3G60420	-1.5000086	-0.34218597	1.5893568	1.618339
AT3G60920	AT3G60920	-5.0419865	-5.128377	-0.43161145	-0.3804451
PEX11E	AT3G61070	3.8810158	4.0310235	4.534522	4.5041223
AT3G61210	AT3G61210	1.3055028	1.130818	2.1607773	2.1983411
AT3G61560	AT3G61560	-0.14854915	-0.013982912	3.0026968	2.9408731
AT3G62050	AT3G62050	-2.3926992	-2.4480531	0.3779854	0.04872759
PGP21	AT3G62150	3.8945878	3.9005623	4.4548163	4.5373144
BGLU8	AT3G62750	3.2562685	3.0805178	3.8548784	3.671674
AT3G63380	AT3G63380	0.89121705	0.9827567	2.4068356	2.4197354
PLDBETA2	AT4G00240	0.7807749	0.41485187	2.026477	1.9701325
AT4G00270	AT4G00270	2.216254	2.2593756	3.0828466	3.0966158
AT4G00300	AT4G00300	3.6677897	3.8755682	4.397357	4.520582
MEE47	AT4G00950	2.7700083	2.8484147	3.5364277	3.727356
AT4G01130	AT4G01130	1.0938349	1.0081083	2.0268347	1.7815357
ARV2	AT4G01510	-0.16816469	-0.2811058	0.8785336	0.9390285
AT4G01590	AT4G01590	1.9202639	2.1294675	2.6969845	2.704507
AT4G01700	AT4G01700	2.3627598	2.3864312	3.0856457	3.260456
AT4G01740	AT4G01740	-5.0419865	-5.128377	0.5091922	0.53585047
RGXT1	AT4G01770	-1.0208734	-0.8049669	0.20463254	0.40378368
AT4G01895	AT4G01895	-1.3666983	-1.116602	0.5591974	0.54296654
AT4G01950	AT4G01950	1.8707819	1.902141	2.8870165	2.7096531
AT4G01970	AT4G01970	-0.41107967	-1.7504673	0.85396904	0.4146495
AT4G02030	AT4G02030	3.7858098	3.8418105	4.2964797	4.3183413
RHS13	AT4G02270	2.7220898	3.0216646	3.7524064	4.080145
AT4G02460	AT4G02460	2.1003802	2.0079944	2.734618	2.5868716
AT4G02550	AT4G02550	0.9348941	1.0151125	2.4132557	2.2825973
GRH1	AT4G03190	4.1533446	4.2579994	4.593655	4.6848855
AT4G03935	AT4G03935	-4.991319	-5.128377	2.037399	2.001343
AT4G03940	AT4G03940	-5.0419865	-5.128377	-1.397819	-2.2237186
AT4G03960	AT4G03960	0.43494073	0.5390365	1.6821214	1.7442001
AtRLP46	AT4G04220	0.32893643	0.17770828	1.8479075	1.7498535
AT4G04330	AT4G04330	2.8731034	3.0262272	3.9535968	3.9365838
CPK27	AT4G04700	1.1457214	0.960048	2.1961	2.2080624
CPK22	AT4G04710	-1.8468891	-1.5897502	-0.25733122	0.076436035
AT4G04940	AT4G04940	3.5617769	3.423835	4.1049995	3.9121473
AT4G05040	AT4G05040	-2.5876865	-3.00741	0.9101688	0.5879218
UBQ11	AT4G05050	4.241867	4.4613853	7.1116433	7.181907
AT4G05060	AT4G05060	2.5494378	2.55746	3.1391318	3.1709535
KNAT1	AT4G08150	2.8985722	2.997716	7.355989	7.3815274
MAPKKK10	AT4G08470	3.016936	2.9845798	4.142712	4.107481
MAPKKK9	AT4G08480	2.4447205	1.9532636	3.388856	3.276603
AT4G08540	AT4G08540	2.887635	2.7809222	3.412957	3.378371
AT4G09160	AT4G09160	2.9350507	3.017518	3.5494041	3.8138897

AT4G09300	AT4G09300	-5.0419865	-5.128377	-1.3646406	-0.6918488
NDPK1	AT4G09320	6.4794097	6.594012	7.7408314	7.6729064
AT4G09500	AT4G09500	1.4455389	1.2074488	2.6788266	2.157294
AT4G09580	AT4G09580	1.61169	1.5070624	2.6570818	2.5541239
AT4G10410	AT4G10410	-2.6949959	-2.7072556	-0.34500933	-0.13901831
AT4G10500	AT4G10500	-3.8899834	-3.8320541	-0.90513676	-1.0428896
AT4G10510	AT4G10510	-4.607318	-3.4480531	-0.7725799	-0.31474808
AT4G10790	AT4G10790	3.707298	3.7241466	4.1585326	4.239054
RHA1A	AT4G11370	-2.4062464	-2.5667677	-0.72706693	-0.8669223
AT4G11521	AT4G11521	-3.6949959	-4.693708	-0.876676	-0.51395774
AT4G11550	AT4G11550	-5.0419865	-5.128377	0.30756012	0.7867692
AT4G11630	AT4G11630	2.2979174	2.1083803	2.8502095	2.7670014
ATOSM34	AT4G11650	-0.4569142	-0.5789429	4.9770675	5.154902
AT4G11680	AT4G11680	2.8616962	2.689225	3.481534	3.3801978
AT4G11800	AT4G11800	3.1750524	3.1175597	3.9860039	3.998415
AT4G12070	AT4G12070	1.6084422	1.650907	2.7263005	2.8313243
AHL1	AT4G12080	2.0811043	2.166947	2.6823475	2.897185
AT4G12290	AT4G12290	1.2447158	1.4115185	2.4101486	2.4163897
AT4G12500	AT4G12500	1.4153095	1.2761644	3.1429002	2.8146563
AT4G12600	AT4G12600	4.9683495	4.92128	5.5917096	5.4139495
NUDT7	AT4G12720	3.3662994	3.5372598	3.8685563	4.1338334
FLA2	AT4G12730	5.185177	5.513376	5.829893	6.035663
AT4G12750	AT4G12750	2.8586795	2.384689	3.468564	3.201205
AMT1;1	AT4G13510	3.5866983	3.5451453	4.0446405	3.9795647
AT4G13860	AT4G13860	-1.5642234	-1.7326008	0.50583774	0.3371494
AT4G13885	AT4G13885	-1.5418524	-2.761755	-0.036005486	-0.3532405
AT4G13918	AT4G13918	0.20205791	0.004464319	1.4171168	1.2054888
ACD6	AT4G14400	-4.991319	-5.077709	3.119456	2.8935063
IBR10	AT4G14430	3.349394	3.4157903	4.124602	4.102956
AT4G14970	AT4G14970	2.0419853	1.8524036	2.743822	2.6324189
AT4G15093	AT4G15093	1.6557627	1.4175911	2.3183975	2.532072
AT4G15450	AT4G15450	2.0564218	1.9279929	2.7830696	2.5826948
PPDK	AT4G15530	5.113659	5.11133	5.7382336	5.8562717
AT4G15540	AT4G15540	3.2325957	3.2529867	4.122566	4.19869
AT4G15640	AT4G15640	3.681161	3.5856898	4.2564178	4.1241126
AT4G15660	AT4G15660	-0.48927557	-0.8308034	0.7939613	0.46473837
AT4G15670	AT4G15670	-0.29428807	-0.5906443	0.8291432	0.61981505
AT4G15680	AT4G15680	1.4264277	1.0421029	2.2266622	2.0318594
ATDI21	AT4G15910	2.8188038	2.4626462	4.264319	4.066838
AT4G16680	AT4G16680	-0.13224591	-0.76175517	1.7278614	1.4190713
AT4G16860	AT4G16860	1.7786832	1.4763266	4.319592	4.143439
SNC1	AT4G16890	1.5556159	1.3202542	4.3422318	4.319323
AT4G16892	AT4G16892	-1.3502159	-1.2564167	1.6970702	1.6283789
AT4G16900	AT4G16900	1.6109525	1.2444971	2.2862823	2.09365
AT4G16920	AT4G16920	2.5250156	2.3385172	4.265982	4.1852403
AT4G16940	AT4G16940	-1.8234259	-2.0492542	0.13107389	0.2784487
RPP5	AT4G16950	2.316846	2.4844902	4.3300686	4.2275414
AT4G16960	AT4G16960	1.4345673	1.3254629	3.6594355	3.622036
RLM3	AT4G16990	6.1524444	6.090958	6.5752625	6.6011887
AT4G17000	AT4G17000	1.3633429	1.2569095	2.5225527	2.3939831

AT4G17020	AT4G17020	2.2729588	2.3083165	2.9049904	2.9700253
AT4G17085	AT4G17085	0.8260297	0.9881547	1.7133036	1.8316225
AT4G17260	AT4G17260	1.8504461	2.172158	2.8177378	2.9618132
AT4G17610	AT4G17610	3.2007802	2.8185565	3.6921577	3.6214612
IP5PII	AT4G18010	3.805855	3.6795044	4.668401	4.4057994
AT4G18150	AT4G18150	-4.607318	-5.077709	-0.49996802	-0.20537163
AT4G18330	AT4G18330	-5.0419865	-5.128377	-0.4536028	-0.53358895
CLE2	AT4G18510	-3.5566502	-3.7072556	-0.6307626	-1.0287312
AT4G18593	AT4G18593	1.2573727	1.4559644	2.4582286	2.3211062
AT4G18840	AT4G18840	0.39412794	0.23204355	1.2944528	1.2144462
AT4G19030	AT4G19030	-0.7207187	-0.1865081	1.0113951	0.9517303
AT4G19200	AT4G19200	5.5004754	5.57213	5.9678955	6.0418687
AT4G19410	AT4G19410	5.703838	5.6781144	6.141081	6.210011
AT4G19420	AT4G19420	3.1903646	3.2394466	3.78092	3.8445437
AT4G19440	AT4G19440	1.3891344	1.2489473	2.3423088	2.135039
AT4G19530	AT4G19530	-1.6134092	-1.2099713	1.1137542	1.1155062
AT4G19630	AT4G19630	-3.0283291	-2.9763737	3.8739994	3.8306465
AT4G20020	AT4G20020	4.2445273	4.1263885	5.4063697	5.365869
CYP71A27	AT4G20240	0.64878947	0.6024973	2.4915202	2.4233406
AT4G20325	AT4G20325	1.0382024	1.0338664	2.3451033	2.2041686
AT4G20340	AT4G20340	1.3230734	1.4079323	2.302426	2.2259665
AT4G20430	AT4G20430	2.489742	2.3076398	3.217966	3.1655219
AT4G20450	AT4G20450	-3.9406512	-2.674077	-1.2681383	-0.79763204
CML42	AT4G20780	1.5716974	1.9584671	2.6813066	2.8543289
ATERDJ2B	AT4G21180	3.6743371	3.4967508	4.206977	4.066527
ATRP1	AT4G21210	4.122356	4.2392426	5.5427003	5.481945
AT4G21310	AT4G21310	-0.97043705	-0.7566726	0.33676353	0.46473837
AT4G21470	AT4G21470	2.6208484	2.6938555	3.601054	3.540849
AT4G21640	AT4G21640	-3.1160076	-2.4049587	-1.0815793	-0.738214
AT4G21650	AT4G21650	2.3951998	2.5509093	4.3055673	4.630466
NRT1.8	AT4G21680	1.6086296	1.1535256	2.3576028	2.0425775
ATML1	AT4G21750	4.702776	4.627165	5.213822	5.1890206
AT4G21880	AT4G21880	2.0301774	1.8679019	2.7238328	2.467818
RHS14	AT4G22080	-0.73005676	-0.07001797	0.83588094	1.2006208
AT4G22120	AT4G22120	2.9907215	2.91173	3.641381	3.7535303
AT4G22212	AT4G22212	3.0019653	3.129279	4.2156067	4.194269
AT4G22214	AT4G22214	-4.2739844	-4.7443757	-0.6415698	-0.37370732
IM	AT4G22260	3.1915348	3.1771576	3.899872	3.784726
AT4G22285	AT4G22285	2.8178952	2.5800698	4.190647	4.0742364
AT4G22305	AT4G22305	-0.72154504	-0.4429147	0.7103482	0.62209266
AT4G22320	AT4G22320	1.4588393	1.4821523	2.2089348	2.2021677
AT4G22460	AT4G22460	-5.0419865	-5.077709	-1.3551174	-1.5293669
CYP706A1	AT4G22690	3.0145493	3.2399561	4.867054	4.9073734
AT4G22820	AT4G22820	2.6620133	2.6923876	3.3242152	3.3757849
UTR2	AT4G23010	3.4997842	3.5491085	3.9702358	4.002361
GSH1	AT4G23100	6.954105	6.99272	7.4646297	7.442199
EP1	AT4G23170	0.055103417	0.19364388	1.0899835	1.3572196
CRK18	AT4G23260	-0.35823107	-0.6174354	2.4412868	2.4548109
CRK19	AT4G23270	2.9127228	2.8508632	3.8643749	3.8671923
AT4G23420	AT4G23420	1.2969607	1.274559	2.5301516	2.3401606

SGT1A	AT4G23570	3.0252502	3.1047325	3.6531582	3.6739814
AT4G23590	AT4G23590	-5.0419865	-5.128377	-1.0002707	-1.2308965
CORI3	AT4G23600	1.4957	1.3830913	5.54694	5.133946
AT4G23860	AT4G23860	3.017203	3.062154	3.6358898	3.517842
AT4G24175	AT4G24175	2.207466	2.3168232	3.889679	3.736184
ACBP3	AT4G24230	2.4234836	2.4921255	3.211628	3.158293
AT4G24420	AT4G24420	-4.6579857	-2.8456013	1.6564245	1.621037
dic-02	AT4G24570	-0.53193635	-0.2058857	1.3281771	1.3046021
AT4G24890	AT4G24890	-2.9210198	-1.586399	1.4551598	1.5410627
AT4G24940	AT4G24940	3.6020844	3.4694016	4.0409417	4.0145283
AT4G25020	AT4G25020	-4.6579857	-4.5493884	-0.45634297	-0.6848283
FKBP53	AT4G25340	4.770949	4.60741	5.2792478	5.136519
DTX35	AT4G25640	4.672809	4.6893997	5.5900016	5.489879
AT4G25730	AT4G25730	5.192888	5.004703	5.8821983	5.710319
AT4G25940	AT4G25940	1.0101267	1.4149812	2.3706589	2.4760063
NAP1;1	AT4G26110	5.5963273	5.427091	6.1010284	5.851799
AT4G26130	AT4G26130	4.450973	4.380178	4.967483	4.8303666
ACHT1	AT4G26160	0.013259809	-0.039650545	1.4103364	1.6308707
AT4G26600	AT4G26600	3.5241482	3.3326514	4.131027	3.8653908
AT4G26670	AT4G26670	3.9554994	4.001265	5.0187974	4.7904077
AT4G26690	AT4G26690	4.6486344	4.75749	5.1559463	5.277186
AT4G26910	AT4G26910	4.7961183	4.877213	5.2846923	5.3775916
AT4G27050	AT4G27050	3.6891448	3.6478798	4.24036	4.097933
ATPDIL5-4	AT4G27080	4.8905225	4.897386	5.430704	5.428374
PORB	AT4G27440	7.4585414	7.628304	8.194671	8.273671
AT4G27560	AT4G27560	1.145476	1.0147034	2.5424082	2.575308
AT4G27570	AT4G27570	-1.7260324	-1.8124228	-0.007844114	0.06582402
ATOPT6	AT4G27730	2.4194014	2.4568174	3.3666804	3.3040535
AT4G27740	AT4G27740	0.9994971	1.0011886	1.876432	1.9811993
AT4G28900	AT4G28900	-5.0419865	-5.128377	-0.21344364	-0.7586809
ATMND1	AT4G29170	-0.006748451	0.0976395	1.6663933	1.4630598
ATPRMT11	AT4G29510	4.4654827	4.442136	5.236475	5.0763416
AT4G29735	AT4G29735	3.3936374	3.3850996	3.9365551	4.066175
AT4G29760	AT4G29760	-1.6693908	-2.0014365	1.8264742	1.5859615
AT4G29770	AT4G29770	-1.7207187	-2.0481622	0.7564165	0.69615775
HMA2	AT4G30110	1.2459245	0.80037373	1.9955105	1.6021932
MER15B	AT4G30270	5.412377	5.8092065	6.1409225	6.29793
AT4G30420	AT4G30420	0.55237025	0.78136367	1.7624683	1.9782835
AT4G30600	AT4G30600	5.429231	5.4041076	5.844101	5.8779387
AT4G30720	AT4G30720	5.18132	4.9179945	5.8113275	5.684789
AT4G30990	AT4G30990	4.827238	4.318524	5.262076	4.936428
AT4G31110	AT4G31110	-0.6671696	-0.4366062	0.7050617	0.7715829
AT4G31130	AT4G31130	2.9827645	3.0353367	4.0670233	3.9485753
AT4G31270	AT4G31270	0.6427782	0.4997462	1.4382969	1.3750511
AT4G31350	AT4G31350	2.4922373	2.4976766	3.354995	3.2802372
AT4G31410	AT4G31410	2.6308606	2.5590963	3.336573	3.1732712
CYP83B1	AT4G31500	5.597898	5.738622	6.2184296	6.296642
AT4G31650	AT4G31650	0.73250705	1.0142716	2.2042778	2.1969016
AT4G31790	AT4G31790	3.1011899	2.9340494	3.7406065	3.5576725
WRKY18	AT4G31800	2.446442	2.0233047	3.306138	2.8869298

AT4G31980	AT4G31980	1.6734492	1.6614937	2.3384101	2.314563
AT4G31985	AT4G31985	5.8004684	5.7960486	6.2803764	6.251188
ASP5	AT4G31990	6.035979	5.972746	6.559047	6.5424457
AT4G32340	AT4G32340	4.4557137	4.6584997	5.005199	5.1078186
GAMMA-VPE	AT4G32940	4.0524077	4.1836715	4.766377	4.7002316
EDA39	AT4G33050	2.5091016	2.444043	3.621176	3.3537571
AT4G33070	AT4G33070	0.7765656	0.7703081	1.7502102	1.5584649
AT4G33170	AT4G33170	0.016372431	-0.4095606	0.9998962	0.744041
AT4G34020	AT4G34020	4.0851884	3.95183	4.5324893	4.393595
MCCB	AT4G34030	4.675649	4.68868	5.1922927	5.1386333
AT4G34071	AT4G34071	-4.2739844	-4.309707	-1.4261154	-0.83374375
AT4G34270	AT4G34270	3.4036653	3.4527862	3.9567928	4.011151
AT4G34290	AT4G34290	4.9192786	4.825111	5.5805607	5.383003
AT4G34790	AT4G34790	0.7798427	1.2889007	1.9926645	2.2699645
AT4G34810	AT4G34810	-0.63710374	-0.24228156	1.2791167	1.9255728
AT4G35180	AT4G35180	-1.7300568	-1.4642916	0.22908121	0.5227699
AT4G35630	AT4G35630	5.1323028	5.0404916	5.57729	5.5495334
AT4G36500	AT4G36500	1.9770131	2.14872	2.7862186	2.9653838
AT4G36660	AT4G36660	2.0453746	2.1845145	3.1874254	3.3021526
AT4G36670	AT4G36670	2.9149857	2.6728115	4.658878	4.4900813
AT4G36710	AT4G36710	0.99009806	0.841072	1.7493547	1.72995
AT4G37370	AT4G37370	0.6587381	0.7921708	1.7856349	1.7446669
CYP91A2	AT4G37430	0.783387	0.6768734	2.3089473	2.0728447
XTH7	AT4G37800	6.2816806	6.3427005	7.018326	6.9029007
ELI3-2	AT4G37990	-2.1281826	-1.7382921	0.58469176	0.68469673
GAUT3	AT4G38270	3.798752	3.7218692	4.3028626	4.2870526
AT4G38550	AT4G38550	4.3628454	4.3579526	5.2758155	5.409088
AT4G38932	AT4G38932	-4.9406514	-3.7247448	3.539344	3.5182827
CCR1	AT4G39260	6.454134	6.5170283	7.338737	7.274138
AT4G39860	AT4G39860	3.5643446	3.752361	4.3667564	4.512312
AT5G01590	AT5G01590	5.179111	5.0587	6.186359	6.130403
ATFER1	AT5G01600	4.4410615	4.3997364	5.2809796	4.9089713
WAVE3	AT5G01730	2.8089683	2.7371795	3.5281534	3.5220919
AT5G01750	AT5G01750	5.0680523	5.238285	6.068744	6.181707
AT5G01950	AT5G01950	3.2992985	3.1759474	4.151653	4.0254936
AT5G02050	AT5G02050	4.551333	4.4047813	5.078447	4.930555
AT5G02170	AT5G02170	-0.11788974	-0.33700123	1.5149747	1.3144498
AT5G02180	AT5G02180	1.2333745	0.9306836	1.967062	1.8934809
FHL	AT5G02200	-1.5675749	-1.0384469	0.1356582	0.36058363
AT5G02340	AT5G02340	-4.361663	-4.0912566	-0.6143201	-0.7480486
AT5G02380	AT5G02380	7.9931564	7.9710565	8.630992	8.655687
AT5G02410	AT5G02410	1.6086243	1.522275	2.565077	2.596016
AT5G02450	AT5G02450	6.3472786	6.390181	7.0915565	7.0528092
AT5G02860	AT5G02860	2.8721163	2.712269	3.5472906	3.372326
AT5G03090	AT5G03090	-4.9406514	-3.3097074	3.0911694	3.1279325
AT5G03120	AT5G03120	1.6687032	2.115999	2.87267	2.8969395
AT5G03200	AT5G03200	0.69368577	0.68885237	2.4735823	2.5530467
ADK2	AT5G03300	5.868954	5.9383492	6.3491764	6.3903503
AT5G03320	AT5G03320	2.6339235	2.8705037	3.217371	3.3848355
AT5G03345	AT5G03345	3.0482178	3.256236	3.815321	3.7912848

AT5G03350	AT5G03350	0.12390283	0.74804854	1.7774477	2.57891
AT5G03420	AT5G03420	3.3273735	3.3174095	4.157165	4.0239506
AT5G04170	AT5G04170	4.007884	4.0774274	4.7205415	4.843882
AT5G04230	AT5G04230	1.2007457	1.0092965	3.184817	3.3047564
AT5G04380	AT5G04380	-0.40487444	-1.1197554	3.4787343	3.3521273
AT5G05250	AT5G05250	3.7020829	3.604005	4.1781654	4.2524905
AT5G05370	AT5G05370	2.6626422	2.9695327	4.004411	4.068503
AT5G05460	AT5G05460	2.2469218	2.1912534	2.777662	2.7866058
AT5G05500	AT5G05500	2.0525231	2.3851736	2.9476206	3.194749
DHS	AT5G05920	2.0819454	2.0818172	2.6992056	2.6501176
AT5G06300	AT5G06300	1.696628	1.764141	2.4695704	2.6185951
AT5G06630	AT5G06630	1.6768478	1.8842713	2.8718128	3.1496563
WCRKC1	AT5G06690	3.168987	3.2688506	4.0725217	4.080199
PGIP1	AT5G06860	4.739159	5.0118804	5.179229	5.5345054
ATST2A	AT5G07010	2.5111122	1.8141503	4.853379	3.826934
AT5G07340	AT5G07340	4.571037	4.5507646	5.133694	5.014728
GDH2	AT5G07440	6.4599614	6.626736	6.877731	7.038202
E13L3	AT5G08000	1.9060153	2.0055056	2.7126644	2.8743865
MPB2C	AT5G08120	3.251672	3.2457008	3.8482091	3.814289
scpl35	AT5G08260	5.030127	4.6983075	6.0880866	5.7055383
AT5G08535	AT5G08535	0.7015435	0.6624703	1.9400016	2.0251658
AT5G08610	AT5G08610	5.717144	5.404368	6.265192	5.9988112
anac082	AT5G09330	4.7448716	4.582175	5.2626433	5.2153563
AT5G09840	AT5G09840	1.4878911	1.3286371	2.4122438	2.2397604
RING1	AT5G10380	-0.5211292	-0.10426748	1.2166933	1.0460552
AT5G10400	AT5G10400	1.027616	1.2575303	4.6787777	4.74091
AT5G10770	AT5G10770	3.688717	3.8449638	4.167108	4.420227
AT5G10820	AT5G10820	2.4064484	2.4602382	3.040151	3.0328176
AT5G11000	AT5G11000	3.0078373	3.2679894	3.5888567	3.7516584
ATVAMP713	AT5G11150	2.788459	3.0231717	3.4852402	3.7045457
AT5G13520	AT5G13520	3.4397056	3.4138277	3.9985783	3.9873016
SMT1	AT5G13710	5.5544543	5.609919	6.2411213	6.233372
AT5G13887	AT5G13887	-4.991319	-5.077709	-1.723579	-1.6677126
AT5G14120	AT5G14120	6.133529	5.589502	6.7786574	6.3731613
ATIMD1	AT5G14200	5.8055477	5.74369	6.2690563	6.30982
AT5G14270	AT5G14270	4.0950217	4.0069795	4.6339526	4.6107845
AT5G14450	AT5G14450	2.6077774	2.5698507	3.1864328	3.36144
AT5G14550	AT5G14550	2.563575	2.5935574	3.1601255	3.1617544
ATSK13	AT5G14640	3.9180937	3.82115	4.3900046	4.2871404
CNGC18	AT5G14870	-2.0729132	-2.4284217	-0.09552223	-0.17425478
AT5G14920	AT5G14920	6.451958	6.299549	7.4760118	7.4346333
ATHB-3	AT5G15150	1.2787495	1.3981715	2.0638554	2.226765
AT5G15360	AT5G15360	4.2584276	4.1155815	4.658402	4.597666
AT5G15700	AT5G15700	2.9216607	2.6357036	3.4204485	3.1241913
CRS1	AT5G16180	2.5427892	2.2268207	3.3159418	2.974652
AT5G16900	AT5G16900	-1.7826743	-1.1457561	-0.027713915	0.0688627
AT5G16990	AT5G16990	1.6212949	1.8352256	4.0729427	4.1296973
AT5G17090	AT5G17090	-5.0419865	-5.128377	0.64366955	0.5318768
AT5G17100	AT5G17100	-1.4803772	-1.4468025	0.65754867	0.73716235
AT5G17125	AT5G17125	-5.0419865	-5.128377	0.89000696	1.2638502

AT5G17460	AT5G17460	1.5015267	1.6194534	2.5650373	2.4212134
AT5G17700	AT5G17700	3.2759569	3.5577383	3.9255726	4.341781
AT5G17780	AT5G17780	-0.016271511	0.06625059	1.6651812	1.7228079
AT5G17820	AT5G17820	3.966262	4.181373	4.934887	5.1755595
AT5G17840	AT5G17840	2.8752377	2.8870943	3.5881264	3.438919
TRP1	AT5G17990	3.6692517	3.7438211	4.1396556	4.240971
AT5G18310	AT5G18310	3.2892287	3.3069088	3.9218662	3.8880465
AT5G18340	AT5G18340	-2.694996	-3.6430404	0.8626341	0.78299683
EMB3007	AT5G18820	2.8473508	2.6558688	3.3373568	3.2684536
ECR1	AT5G19180	4.695291	4.605931	5.191157	5.165475
AT5G19240	AT5G19240	0.95516396	1.4486766	2.7560844	3.0455692
AT5G19340	AT5G19340	1.8406216	1.526281	2.8848572	2.6296751
AT5G19440	AT5G19440	5.2988763	5.347653	5.956974	5.9777164
AT5G19750	AT5G19750	4.637692	4.5516295	5.056049	4.981981
TUA5	AT5G19780	6.1761994	6.3203397	6.7963943	6.854469
ATSPX1	AT5G20150	2.9188328	3.3461616	3.6525347	3.864357
ATBCB	AT5G20230	1.2895745	1.685929	2.6763325	2.6736202
GLP3	AT5G20630	6.1998177	6.1110764	7.4931965	7.1338897
AT5G20740	AT5G20740	-0.52551097	-0.5471365	0.89353395	0.9662331
PNT1	AT5G22130	1.6540736	1.346961	2.4537425	2.5563421
AT5G22310	AT5G22310	2.345803	2.5419607	2.9774187	3.2279103
RHS18	AT5G22410	0.65827364	1.092103	1.828227	2.0975678
HD2B	AT5G22650	6.5216355	6.4654593	7.0041738	6.916307
F8H	AT5G22940	1.6461302	1.7419186	2.4507978	2.6065798
MAM-L	AT5G23020	5.565165	5.5013556	6.3795314	6.4533844
SCPL34	AT5G23210	3.8682191	3.9905233	5.1799936	5.1433616
AT5G23240	AT5G23240	1.5857137	1.4658184	3.573777	3.5454836
AT5G23250	AT5G23250	3.929342	3.9285753	4.492044	4.364638
AT5G23370	AT5G23370	-2.5642235	-2.1789348	-0.42278734	-0.37287173
AT5G23575	AT5G23575	4.68459	4.8015833	5.4335995	5.40007
MTN3	AT5G23660	3.4615405	3.001481	4.5220675	4.2909636
AT5G23870	AT5G23870	2.9276235	3.033777	3.5283463	3.7589486
AT5G24000	AT5G24000	2.1542187	1.9419264	2.8829792	2.6318882
AT5G24060	AT5G24060	3.223502	3.1751182	4.3460217	4.148264
ATCHIA	AT5G24090	0.64941615	1.0441957	1.7048521	2.000435
APRR5	AT5G24470	2.3705766	2.679818	3.763189	3.8080742
AT5G24670	AT5G24670	3.9023983	3.8385775	5.35817	5.2466273
AT5G24750	AT5G24750	0.6425842	0.6351205	1.9824696	1.9043093
AT5G24760	AT5G24760	1.6875645	1.5471312	2.8138351	2.875903
AT5G24810	AT5G24810	3.5468037	3.5653732	4.178883	4.210927
KNAT3	AT5G25220	3.722268	3.6078093	4.224186	4.0657554
AT5G25230	AT5G25230	-3.0283296	-3.1789348	0.115233816	-0.4081366
AT5G25990	AT5G25990	-2.8899834	-2.919732	-0.5737253	-0.6953979
FC1	AT5G26030	3.8624647	3.8031323	4.505118	4.593202
HDA2	AT5G26040	0.51830584	0.31374773	1.524951	1.4948912
AT5G26280	AT5G26280	6.3168106	6.412216	7.47682	7.3444786
AT5G26340	AT5G26340	3.1407843	3.09349	3.7997856	3.7390432
AT5G26570	AT5G26570	5.8011017	5.586433	6.276112	6.096026
AT5G26680	AT5G26680	3.2128754	3.1394598	3.7400608	3.6381786
CBP60G	AT5G26920	-1.0633901	-0.73260087	0.70408803	0.4087844

ATGLR2.1	AT5G27100	-5.0419865	-5.128377	-0.24927716	-0.34608057
AT5G27110	AT5G27110	-4.4123306	-3.309707	1.0911498	0.7772196
AT5G27120	AT5G27120	5.206081	5.103481	6.1016736	5.9095287
SFP1	AT5G27350	3.7349193	3.7460928	4.626015	4.4420013
SFP2	AT5G27360	1.8045684	1.7714392	2.9604015	2.6778228
GSH2	AT5G27380	5.4073424	5.3740554	6.0154233	5.998327
AT5G27430	AT5G27430	3.5293872	3.52091	4.15827	4.160576
MVK	AT5G27450	3.4804742	3.3877246	4.0227027	4.0215554
LACS7	AT5G27600	4.1062155	4.1643267	4.6637034	4.631885
WNK9	AT5G28080	-1.7368398	-1.5716009	-0.24259792	-0.21626277
AT5G34480	AT5G34480	-5.0419865	-5.128377	-1.8741002	-2.5260155
AT5G34790	AT5G34790	-0.64023656	-0.32612786	1.4892349	1.3316892
AT5G34871	AT5G34871	-5.0419865	-5.128377	0.5635274	0.24628775
AT5G34851	AT5G34851	-4.6579857	-4.7443757	2.540542	2.2335129
AT5G35375	AT5G35375	-5.0419865	-5.0270414	1.1038388	1.1978345
AT5G35450	AT5G35450	-4.55665	-5.0270414	3.110814	3.0540056
AT5G35735	AT5G35735	3.6820533	3.7071724	4.6175656	4.5499444
AT5G35777	AT5G35777	-5.0419865	-5.128377	-1.7742468	-2.3680384
AT5G35935	AT5G35935	-5.0419865	-5.128377	0.17633623	0.1401812
AT5G35965	AT5G35965	-5.0419865	-4.7443757	1.8294555	1.5811914
AT5G36240	AT5G36240	-5.0419865	-5.128377	-0.21637897	-0.040906515
THI2.2	AT5G36910	-3.0086982	-3.919732	-0.26313686	-0.100123964
AT5G37600	AT5G37600	5.301401	5.1030383	6.0552344	5.933518
AT5G38360	AT5G38360	1.2995726	1.598464	2.4128845	2.3805964
AT5G38540	AT5G38540	-1.3272334	-1.7247448	1.4338661	1.385425
AT5G38720	AT5G38720	2.4334357	2.526891	3.3805141	3.26937
AT5G38940	AT5G38940	4.234911	4.40032	4.6933713	4.843352
AT5G39050	AT5G39050	3.498331	3.3435967	4.191339	3.9233418
AT5G39410	AT5G39410	3.2404423	3.2981951	4.003021	4.031114
AT5G39580	AT5G39580	1.2327126	1.1146971	2.742986	2.3402455
AT5G40480	AT5G40480	4.5648293	4.1584544	5.1861243	4.9291687
AT5G40500	AT5G40500	0.9300456	1.2816547	2.6111794	2.4423006
AT5G40570	AT5G40570	-0.45500967	-0.41845694	2.1015809	1.9741821
AT5G40720	AT5G40720	0.27246234	0.28133914	1.6574105	1.562436
AGP24	AT5G40730	2.2021728	2.389497	2.8995705	3.028983
ATRAD3	AT5G40820	2.0245552	1.6681436	2.7721539	2.5501397
AT5G42530	AT5G42530	2.956416	3.0025196	6.4189057	6.494337
PAF1	AT5G42790	5.1363645	5.244905	5.674687	5.695478
AT5G42830	AT5G42830	0.86646503	0.42141655	1.883546	1.5224596
AT5G42840	AT5G42840	0.11764577	-0.083800666	1.8811449	1.7478205
AT5G42900	AT5G42900	0.48593393	0.6946864	2.3684018	2.379487
AT5G43065	AT5G43065	-5.0419865	-5.077709	0.6126222	0.86355925
AT5G43725	AT5G43725	-0.13115425	-0.014983718	1.7501608	1.6925335
AT5G43730	AT5G43730	-2.1100338	-2.3825874	1.5091923	1.4676617
AT5G43740	AT5G43740	-2.0359027	-2.9332793	0.037990402	-0.25120613
CAD1	AT5G44070	4.0475163	4.2696056	4.587978	4.757315
TUB4	AT5G44340	7.107118	7.259665	7.581383	7.694903
AT5G44570	AT5G44570	-2.2308903	-2.0074103	-0.2136388	0.22630508
AT5G44720	AT5G44720	3.9385183	4.0008698	4.446984	4.477204
AT5G44780	AT5G44780	1.1717964	0.9677663	2.5022037	2.3846266

AT5G45060	AT5G45060	2.060258	1.8053498	2.887948	2.819626
AT5G45280	AT5G45280	4.1922812	4.5072036	5.6655755	5.9259033
AT5G45350	AT5G45350	4.3122616	4.282724	5.0757127	5.133922
ATDUR3	AT5G45380	1.6095749	1.4441622	2.2672179	2.3871577
AT5G45440	AT5G45440	0.7046859	0.833025	1.7290984	1.8023843
AT5G45460	AT5G45460	-0.4127306	-0.83814543	1.022048	0.80838627
AT5G45650	AT5G45650	1.7069775	0.8379838	2.3661711	2.0475595
AT5G45720	AT5G45720	1.5220633	1.2442536	2.4127963	2.2299762
AT5G45730	AT5G45730	-1.3616627	-0.86812633	0.7869708	1.0153924
AT5G45780	AT5G45780	2.1433547	1.6450628	2.7837827	2.2963324
AT5G45840	AT5G45840	0.37784156	0.5445326	1.2855501	1.3612437
ATPTR3	AT5G46050	0.47020566	-0.35980782	2.5915365	2.0321789
AT5G46230	AT5G46230	1.1443006	1.275754	1.9462472	2.1160138
AT5G46260	AT5G46260	-0.9606827	-1.9332795	0.4053112	0.14501439
AT5G46270	AT5G46270	1.182265	1.2441666	2.762209	2.6950753
KAS I	AT5G46290	6.410132	6.3510246	6.786183	6.8405495
FLS2	AT5G46330	3.4876688	3.5761058	4.930298	4.845328
AT5G46430	AT5G46430	5.73419	5.763775	6.6364503	6.5962358
AT5G46490	AT5G46490	-4.607318	-5.077709	1.8920822	1.6872016
AT5G46510	AT5G46510	-5.0419865	-5.128377	2.9586136	2.8988333
AT5G46520	AT5G46520	-4.991319	-5.077709	0.88171536	0.86618066
AT5G46710	AT5G46710	1.7158207	1.8027514	3.0481262	2.977974
UBP21	AT5G46740	2.5617714	2.6918488	3.1861565	3.1823614
AT5G47445	AT5G47445	-5.0419865	-5.128377	0.42562088	0.44294795
AT5G47450	AT5G47450	3.1647758	3.0834	4.1382356	4.230119
AT5G47455	AT5G47455	2.385936	2.4570868	3.1823711	3.0932457
AT5G47460	AT5G47460	-0.42071724	-0.84345937	0.7973353	0.86473274
PGLP2	AT5G47760	2.839861	2.787368	3.355183	3.3008413
AT5G47980	AT5G47980	0.90456206	1.1226101	4.078085	4.1346374
AT5G48020	AT5G48020	3.4827442	3.4175835	3.9069688	3.9700534
GFA2	AT5G48030	4.0369525	3.9111347	4.5643706	4.42431
AT5G48250	AT5G48250	2.6843941	2.8356466	3.716359	3.6746056
AT5G48412	AT5G48412	3.401252	3.4541156	4.244036	4.111777
AT5G48470	AT5G48470	3.9134085	3.7939208	4.529719	4.3629975
AT5G48480	AT5G48480	3.9475975	3.9965637	4.5241284	4.631506
AT5G48760	AT5G48760	4.5173826	4.4638557	5.4032245	5.3575516
AT5G48770	AT5G48770	-5.0419865	-5.128377	-2.1952581	-1.8027072
AT5G48775	AT5G48775	-5.0419865	-5.128377	0.5900056	0.6700404
AT5G48780	AT5G48780	-5.0419865	-5.128377	-0.35494295	-0.16589116
AT5G49110	AT5G49110	0.9538991	0.612758	1.7622296	1.547753
AT5G49760	AT5G49760	4.928078	4.865582	5.5300746	5.4680037
CLC-C	AT5G49890	3.3219259	3.340882	4.37484	4.3547654
AT5G49900	AT5G49900	1.9181744	1.8859605	2.9829247	3.1607065
CPI1	AT5G50375	2.5834093	2.5100205	3.5465534	3.4739552
AT5G51530	AT5G51530	-3.782674	-3.5357313	-1.1126158	-0.95753545
EXL3	AT5G51550	4.419626	4.3757033	4.982615	4.9690995
AT5G51570	AT5G51570	3.3541462	3.3676157	3.8170166	3.8816817
AT5G51980	AT5G51980	2.9277394	2.767226	3.8061235	3.8024683
AT5G52720	AT5G52720	-4.657985	-5.128377	-1.5792593	-1.0395384
AT5G52750	AT5G52750	0.5107754	0.93363243	1.7086755	2.040389

AT5G53230	AT5G53230	-4.607318	-4.7443757	-2.1075802	-0.9444043
YSL3	AT5G53550	4.4586325	4.549921	4.95377	5.0015945
AT5G53920	AT5G53920	1.2097524	1.1375178	2.016692	1.816274
AT5G54370	AT5G54370	3.7667625	3.5497406	4.472032	4.554634
THE1	AT5G54380	3.612974	3.7281144	4.288174	4.297665
FQR1	AT5G54500	5.5590725	5.906509	6.145886	6.497236
GH3.6	AT5G54510	4.7467628	5.045749	5.400749	5.6591325
ANK	AT5G54610	-5.0419865	-5.128377	-0.994957	-0.27801797
AT5G54710	AT5G54710	-0.73820776	-0.51415026	1.9775168	2.3535864
AT5G54720	AT5G54720	-4.8899837	-5.077709	-0.062343698	-0.18223007
PDC2	AT5G54960	3.7076643	3.583155	4.269049	4.2336802
AT5G55180	AT5G55180	3.941599	4.005714	4.51529	4.8132577
EDM2	AT5G55390	4.255734	4.1020164	4.6872077	4.5957255
AT5G55460	AT5G55460	-5.0419865	-5.128377	-1.6434742	-0.79388326
KCO1	AT5G55630	3.3099594	3.3623474	4.0313334	4.0479
CBL2	AT5G55990	2.6257417	2.6675365	3.1235065	3.2074
AT5G56010	AT5G56010	6.881117	6.773703	7.312693	7.262136
AT5G56730	AT5G56730	3.0777495	2.8514702	3.7041085	3.5027196
AT5G56747	AT5G56747	-5.0419865	-5.128377	-1.9692341	-1.2729045
NFA03	AT5G56950	4.975117	4.9023457	5.4193687	5.3124948
ACA8	AT5G57110	4.8040457	4.7366467	5.397941	5.265671
AT5G57280	AT5G57280	3.021777	2.945399	3.5253468	3.4109018
BIO1	AT5G57590	2.888833	2.5979278	3.4375324	3.2876875
AT5G58120	AT5G58120	-0.45122305	-0.5110174	0.8990402	0.6271662
ROS3	AT5G58130	3.2484863	3.1811173	3.7705534	3.8233845
AT5G58370	AT5G58370	3.112522	2.8767064	3.6760197	3.381834
AT5G58390	AT5G58390	1.6589068	1.9406776	3.1576564	3.2321184
AT5G58570	AT5G58570	0.90273625	0.6740544	2.0245435	1.7299008
ATSBT4.12	AT5G59090	3.1285582	2.6286516	3.7411232	3.553168
LTP4	AT5G59310	-2.7592108	-1.7864221	-0.051309664	0.69159937
AT5G59670	AT5G59670	-4.657985	-4.6937084	-0.88343835	-1.3802139
AT5G59680	AT5G59680	-4.991319	-5.077709	-1.2841401	-1.1156975
AT5G59690	AT5G59690	3.811209	3.9529612	5.666205	5.8118176
AT5G59940	AT5G59940	-5.0419865	-5.128377	-0.5693435	0.09606727
APRR3	AT5G60100	3.2131767	3.0897868	4.5845494	4.340895
AT5G60250	AT5G60250	-4.8899837	-3.2530653	0.12546611	-0.14958791
AT5G60260	AT5G60260	-5.0419865	-5.128377	-0.2534993	-0.18276648
AT5G60280	AT5G60280	-0.22803622	-0.091495216	1.5623027	1.6720732
EMB2407	AT5G60540	3.629001	3.5008643	4.174928	4.1616883
AT5G61370	AT5G61370	0.7040591	0.67187864	1.4942449	1.5006027
AT5G61380	AT5G61380	4.4118457	4.3095684	5.153515	5.0077977
MIM	AT5G61460	2.678116	2.4862547	3.290638	3.2060196
AT5G61530	AT5G61530	3.2210674	3.2109287	4.0807524	4.0591607
AT5G61940	AT5G61940	0.59896356	0.30322948	1.6435684	1.1345596
AT5G62350	AT5G62350	5.0682726	5.270848	5.7337775	5.8175445
AT5G62360	AT5G62360	1.633351	2.1907885	3.860287	4.3462486
ALDH12A1	AT5G62530	4.9219565	4.774788	5.5101166	5.3738766
AT5G62550	AT5G62550	2.1298816	2.081616	2.7788792	2.8065765
AT5G62900	AT5G62900	2.2345831	2.3053477	2.8946393	2.875614
emb1692	AT5G62990	2.121498	1.7541591	2.7734795	2.62576

LOB	AT5G63090	-0.75351995	-0.6867663	0.6545256	0.7698939
emb2746	AT5G63420	4.7213674	4.4726396	5.249969	4.9977994
AT5G63630	AT5G63630	1.795901	1.5464822	2.500754	2.346861
BGAL10	AT5G63810	4.119284	3.9536428	5.320022	5.258041
AT5G63820	AT5G63820	-1.9520565	-1.9516602	0.33568534	-0.04045005
EMB2780	AT5G63960	3.3893955	3.2848647	3.831063	3.7553873
AT5G64100	AT5G64100	4.1275725	4.3302393	5.2418294	5.1242776
ATGCH	AT5G64300	4.860491	4.7760215	5.3377976	5.3103147
NPH3	AT5G64330	4.8653836	4.9229903	5.377498	5.413748
AtFAAH	AT5G64440	4.5134206	4.622978	5.0115066	5.0821514
AT5G64640	AT5G64640	1.7135382	1.7435471	2.6310246	2.7076452
DPE1	AT5G64860	4.13319	3.9858027	4.621283	4.6188927
AT5G64880	AT5G64880	0.9535462	1.1312407	2.077851	2.0096648
MAF3	AT5G65060	1.8854853	1.997418	2.761732	2.713317
AT5G65390	AT5G65390	3.031965	2.9975827	3.8007996	3.9612415
ATFOLT1	AT5G66380	3.70288	3.6423628	4.1581025	4.17963
DAR7	AT5G66610	-0.38212955	-0.0627623	0.7285716	0.9490564
DAR6	AT5G66620	-4.991319	-5.128377	-0.5704352	-0.6722176
DAR5	AT5G66630	-5.0419865	-5.128377	-0.10125586	-0.24944134
AT5G66631	AT5G66631	-0.8590645	-0.88066214	0.62341243	0.26533213
SNRK2-3	AT5G66880	2.491702	2.4373443	3.1999075	3.2690105
AT5G67245	AT5G67245	-3.3616629	-3.512268	-0.22890668	-0.48101673
BT4	AT5G67480	4.0340714	3.810194	4.7382264	4.416529
AT5G67520	AT5G67520	-0.450846	-0.46106395	0.790781	0.7491695