

AT1G01920	AT1G01920	121.2682	158.7979	114.6012	134.8599	132.4935	107.6588	128.0597	125.1512	107.3871	116.1038	111.7481	132.596	-0.04554	0.86157	-0.11186	0.670578	-0.11001	0.80346	
AT1G01930	AT1G01930	131.9683	114.1917	113.3136	144.7579	109.666	135.7073	121.8364	156.439	132.6695	115.1443	97.11438	172.3088	0.114098	0.644926	0.180038	0.474411	-0.09064	0.850189	
AT1G01940	CYP18-1	54.68958	71.36984	86.27284	141.871	118.5816	100.6809	69.35667	102.4945	99.57709	84.43914	81.15037	172.6939	0.752656	0.002214	0.752656	0.247536	0.190649	0.711805	
AT1G01950	ARK2	209.2471	221.2465	207.3123	192.1857	198.7402	218.3081	184.9751	202.8313	108.3633	258.1151	288.6825	229.9712	-0.06595	0.811797	-0.35068	0.147021	0.275531	0.459606	
AT1G01960	BIG3	1110.346	706.5614	687.6074	402.5176	372.3066	501.4109	490.0062	572.8906	352.4248	574.6718	586.6773	541.7791	-0.94487	0.000013	-0.79853	0.000352	-0.5401	0.088423	
AT1G01970	AT1G01970	254.2934	363.9862	400.4605	295.2896	317.3218	284.0996	400.1866	393.7948	498.8261	379.6756	276.7095	395.7163	-0.31262	0.078065	0.204787	0.295746	-0.13795	0.68156	
AT1G01980	AT1G01980	0	0	0	0	0	0	0	0	0.995936	0	0	0	0	NA	0	NA	0	171512	NA
AT1G01990	AT1G01990	167.6355	210.541	180.2716	152.1813	147.7302	144.5419	138.7313	166.1491	189.3917	126.6587	158.3097	177.14	-0.31117	0.127016	-0.16565	0.485297	-0.26131	0.439946	
AT1G02000	GAE2	86.78999	73.15409	65.67037	44.54088	52.99738	47.84836	56.91542	52.86561	64.43224	68.12703	55.87403	65.26211	-0.62123	0.009635	-0.36148	0.186716	-0.24037	0.595343	
AT1G02010	SEC1A	101.0568	103.4863	118.4642	99.3215	94.07035	84.73147	119.1667	106.8101	66.38473	93.07476	101.1054	92.19568	-0.2014	0.45054	-0.13825	0.647009	-0.17125	0.719111	
AT1G02020	AT1G02020	171.2022	135.6027	121.0395	76.7093	78.83361	87.72199	90.70896	108.9679	91.76712	108.4275	131.7031	98.41112	-0.80555	7.05E-05	-0.54614	0.102857	-0.34101	0.316182	
AT1G02030	ZAT1	2.377808	0	0	2.474493	0	1.993682	1.778607	3.23667	2.928738	0	1.330334	0	0.256727	0.734487	0.616208	0.38431	-0.24006	NA	
AT1G02040	AT1G02040	2.377808	1.784246	0	0	1.987402	0.996841	0.889303	2.15778	0.976246	0.959536	0	0	-0.17482	0.817475	-0.0022	0.998029	-0.4597	NA	
AT1G02050	PKSA	66.57862	60.66437	77.25926	44.12847	37.76063	49.84204	34.68284	63.65451	38.07359	45.09817	46.56169	56.97486	-0.61616	0.030436	-0.57043	0.06283	-0.44007	0.344272	
AT1G02060	AT1G02060	89.1678	87.42806	78.54691	39.5919	28.48609	44.85784	76.4801	63.65451	36.1211	72.92471	57.20436	79.7648	-0.11693	7.08E-05	-0.50017	0.115151	-0.258	0.636026	
AT1G02065	SPL8	28.53369	46.3904	25.75309	25.56977	22.52389	18.93997	15.11816	11.86779	21.47741	32.62421	47.89202	22.78994	-0.48495	0.224477	-0.90857	0.024804	0.04719	0.962194	
AT1G02070	AT1G02070	7.133424	1.784246	2.575309	2.474493	1.987402	1.993682	2.66791	0	2.928738	7.676285	2.660668	6.215439	-0.52458	0.462785	-0.58806	0.430641	0.348517	NA	
AT1G02074	AT1G02074	0	0	0	0.412416	0	0.996841	0	0	0	0	0	0	0.224618	NA	0	NA	0	NA	
AT1G02080	AT1G02080	1810.701	1447.024	1236.148	753.4833	690.9534	1058.645	1076.057	1289.273	532.0541	1169.674	1206.613	1066.984	-0.80403	0.000297	-0.60241	0.036299	-0.36564	0.431857	
AT1G02090	CSN7	180.7134	173.0719	213.7506	336.1187	292.1481	274.1312	198.3147	188.8057	297.755	191.9071	135.6941	217.5404	0.647883	0.004026	0.259202	0.334254	-0.05291	0.927347	
AT1G02100	AT1G02100	345.971	437.1403	330.9272	370.3492	392.1806	377.8027	397.5187	391.637	443.2157	299.3751	291.3431	314.9156	0.041875	0.822826	0.153155	0.371439	-0.2843	0.208946	
AT1G02110	AT1G02110	233.0252	187.3458	191.8605	124.9616	92.08295	106.662	96.04478	93.86342	121.0545	141.0517	172.9434	159.5296	-0.89213	0.106746	-0.95561	0.174106	-0.37081	0.292699	
AT1G02120	VAD1	878.6	901.0442	831.8247	1026.502	912.2174	1085.56	808.3769	979.6321	924.505	753.2355	613.284	671.2674	0.209223	0.147798	0.054045	0.768877	-0.35035	0.063833	
AT1G02130	RABD2A	505.2842	517.4313	484.158	531.6037	531.2988	493.4362	489.1169	457.4493	428.572	563.2474	573.3739	437.1526	0.048995	0.787108	-0.12866	0.459408	0.061291	0.851171	
AT1G02136	AT1G02136	0	0	0	0.662467	0	0	0	0	0.972646	0	0	0	0.097788	NA	0.140077	NA	0	NA	
AT1G02140	MEEF63	687.1865	690.5032	788.0445	1059.908	1113.607	805.4473	855.5099	681.8584	1429.224	801.2122	819.4857	855.6588	0.443807	0.07184	0.437118	0.088245	0.185741	0.689144	
AT1G02145	ALG12	255.6143	180.2088	251.0926	162.4917	186.1533	206.346	252.5622	225.488	196.2254	255.2365	208.8624	234.1149	-0.31982	0.110082	-0.03526	0.895748	0.016366	0.976392	
AT1G02150	AT1G02150	1027.213	986.6881	925.8235	638.8317	659.1549	585.1455	678.5386	837.2186	978.1985	840.5532	827.4677	948.8904	-0.6315	1.66E-05	-0.23442	0.16915	-0.16482	0.552398	
AT1G02160	AT1G02160	108.1903	142.7397	157.0938	227.241	251.7376	165.4576	217.8974	128.3879	306.5142	163.1211	182.2558	172.9964	0.630776	0.027958	0.6458	0.029341	0.327102	0.519619	
AT1G02170	AMC1	187.8468	187.3458	199.5864	274.6688	247.1003	250.207	208.9863	237.3558	216.7266	168.8783	170.2827	142.9551	0.42265	0.006425	0.199598	0.273775	-0.25272	0.348406	
AT1G02180	AT1G02180	70.14533	48.17464	73.3963	44.9533	45.04777	25.91786	35.57214	38.84004	30.26363	121.861	91.79304	70.4164	-0.66781	0.02964	-0.83014	0.00948	0.528475	0.248787	
AT1G02190	AT1G02190	22.58917	12.48792	12.87654	17.32145	15.23675	12.95889	15.11046	6.83722	28.78607	13.30334	17.61041	0	-0.06721	0.905862	-0.33842	0.534301	0.274083	NA	
AT1G02205	CER1	1748.878	1527.315	1491.104	673.4746	570.3843	628.0097	457.9913	494.1316	357.306	1652.32	1356.941	1559.039	-1.3278	5.42E-21	-1.8357	3.9E-38	-0.0602	0.867473	
AT1G02210	AT1G02210	0	0	0	0	0	0	0	0	0	1.330334	0	0	0	NA	0	NA	0	172362	NA
AT1G02220	NAC003	41.61164	49.95889	52.79383	280.0302	343.8205	262.1691	312.1455	224.4091	146.4369	50.85539	45.23135	39.36445	2.482844	1.6E-21	2.121084	1.19E-15	-0.08559	0.908715	
AT1G02228	AT1G02228	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G02230	NAC004	13.07794	19.62671	15.45185	104.7536	106.6572	87.72199	24.9005	21.5778	23.4299	2.878607	3.991002	10.35907	2.521656	7.42E-16	0.505574	0.229347	-1.13727	0.054926	
AT1G02250	NAC005	0	1.784246	1.287654	3.71174	5.962205	4.984204	4.446517	4.31556	2.928738	0.959536	1.330334	1.035907	1.20125	0.060578	0.948781	0.17247	0.01159	NA	
AT1G02260	AT1G02260	261.5589	281.9109	242.079	315.0855	306.7223	311.0143	346.8284	331.2192	199.1542	252.3579	256.7545	258.9760	0.244536	0.263979	0.157851	0.522254	-0.02919	0.957294	
AT1G02270	AT1G02270	311.4928	406.8081	294.8728	350.5532	385.556	318.989	461.5485	359.2703	432.477	50.2305	416.3945	315.9515	0.066557	0.773767	0.309172	0.120842	0.097585	0.804253	
AT1G02280	TOC33	958.2566	785.0683	1032.699	766.6806	876.4442	845.321	945.3296	890.0842	1268.144	1099.628	943.2068	1216.154	-0.15761	0.44078	-0.155696	0.468812	-0.25553	0.648881	
AT1G02290	AT1G02290	68.95643	98.13353	97.86173	75.88447	81.48347	83.73463	82.70522	78.75897	89.81463	100.7512	83.81104	75.62118	-0.12615	0.639874	-0.06081	0.847412	-0.00906	0.989371	
AT1G02300	AT1G02300	347.16	479.9622	392.7346	563.597	602.8452	475.9341	562.0398	476.8694	466.6456	450.0222	412.4035	414.3626	0.43129	0.008534	0.306828	0.086628	-0.07258	0.849611	
AT1G02305	AT1G02305	883.3556	949.2189	878.1803	1114.759	1065.247	910.1156	1060.939	1077.811	1241.785	869.3393	826.1374	834.9407	0.191673	0.155217	0.316772	0.105167	-0.09633	0.703509	
AT1G02310	MAN1	1.188904	0	0	3.862963	19.79595	18.54908	21.9305	19.56468	19.42002	13.66744	1.919071	0	2.460663	1.64E-06	2.654441	1.83E-05	-0.48946	NA	
AT1G02320	AT1G02320	0	0	0	0	0	0.996841	1.778607	0	0	0	0	0	0.124069	NA	0.253321	NA	0	NA	
AT1G02330	AT1G02330	237.7808	233.7362	235.6407	364.5754	324.609	331.948	261.4552	269.7225	327.0424	308.0109	258.0848	239.2944	0.523469	0.00098	0.2733	0.133287	0.186106	0.535278	
AT1G02335	GL22	34.47821	42.8219	45.0679	43.71605	27.82363	40.80747	18.67537	22.65669	40.02609	47.97678	43.90102	54.90305	-0.10305	0.805884	-0.53803	0.154819	0.255621	0.691846	
AT1G02340	HFR1	72.52314	69.5856	63.09506	28.04426	35.11077	39.87363	28.45771	26.97225	24.40615	30.70514	31.92802	46.61579	-0.97161	0.000317	-1.28182	0.741E-06	-0.85737	0.021276	
AT1G02350	AT1G02350	29.7226	39.25341	38.3284	15.25938	20.53649	24.92102	12.45025	6.47334	30.26363	26.867	27.93701	30.04129	-0.61615	0.150655	-0.84106	0.058503	-0.16107	0.862644	
AT1G02360	AT1G02360	20.1137	33.90067	16.73951	45.36571	52.99738	44.85784	10.67164	12.94668	30.26363	15.35257	6.65167								

AT1G02840	SR34	861.9554	970.6298	891.0568	1070.218	1036.761	1021.762	921.3184	1008.762	1271.072	910.5993	907.2878	840.1202	0.199763	0.189441	0.23152	0.138842	-0.03328	0.925908
AT1G02850	BGLU11	46.36725	78.50683	54.08148	266.8329	294.7979	275.1281	366.393	354.9548	281.1588	34.54328	41.24035	39.6645	2.189757	3.5e-28	2.445369	8.78e-35	-0.5756	0.121931
AT1G02860	BAH1	165.2576	176.6404	190.5728	128.2612	128.5187	177.4377	211.6542	183.1065	184.2308	186.0554	196.8894	196.6408	-0.30556	0.116912	0.112726	0.632392	0.099584	0.803737
AT1G02870	AT1G02870	147.4241	158.7979	158.3815	221.8796	248.4252	156.504	208.097	181.2535	226.4891	161.202	163.6311	129.4883	0.431399	0.042343	0.397959	0.078145	-0.03197	0.955676
AT1G02880	TPK1	111.757	107.2705	105.5877	196.7222	180.1911	201.3618	214.3221	186.648	167.9143	101.7108	106.4267	108.7792	0.820394	1.96e-06	0.799775	6.79e-06	-0.02986	0.954563
AT1G02890	AT1G02890	828.6661	672.6608	646.4025	501.4973	435.241	629.0065	712.3321	811.3252	425.6433	604.5074	565.3919	634.2908	-0.44354	0.061104	-0.13634	0.640591	-0.23635	0.571285
AT1G02900	RALF1	10.70014	0	9.01358	24.74493	12.58688	10.96525	18.67537	6.47334	1.952492	6.716749	15.96401	11.39497	0.888325	0.141748	0.256163	0.73796	0.466381	0
AT1G02910	LPA1	506.4731	519.2156	515.0617	398.3934	376.9439	421.6636	529.1365	598.7839	510.5767	566.126	423.0462	522.6099	-0.36085	0.013119	0.087226	0.636684	-0.02258	0.953606
AT1G02920	GSTF7	153.3686	212.3253	194.4358	2035.683	2076.835	2213.983	2811.978	2549.417	3641.398	85.39867	103.766	105.6625	3.430577	9.07e-97	3.931099	2.1e-127	-0.88747	0.000117
AT1G02930	GSTF6	228.2696	319.38	257.5309	3415.213	3510.414	3206.837	4358.476	3845.164	5125.291	173.6759	156.9794	217.5404	3.591036	3.5e-117	3.979925	2.4e-144	-0.52684	0.030906
AT1G02940	GSTF5	2.377808	0	1.287654	2.062078	3.312336	1.993662	8.003731	10.7889	9.76246	0	0	1.035907	0.367184	0.624445	1.798124	0.003643	-0.51013	NA
AT1G02950	GSTF4	28.53369	23.1952	42.49259	14.84696	15.23675	12.95893	10.67164	11.86779	18.54867	23.98839	30.59768	41.43626	-1.02348	0.006354	-1.08188	0.006882	0.012907	0.990348
AT1G02952	AT1G02952	1.188904	0	0	0	0	0.662467	0	0	0	0	0	0	-0.07436	NA	-0.18968	NA	-0.18606	NA
AT1G02960	AT1G02960	282.9591	231.952	265.2568	235.4893	271.6116	245.2228	309.4776	238.4347	212.8216	295.537	274.0488	316.9874	-0.05811	0.799225	-0.03863	0.878966	0.177038	0.594139
AT1G02965	AT1G02965	0	0	0	0	0	0.662467	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT1G02970	WEE1	20.21137	23.1952	32.19136	24.74493	21.19895	38.87679	19.56468	25.89336	9.76246	34.54328	25.27635	44.54398	0.121442	0.808108	-0.40829	0.396518	0.4268	0.546548
AT1G02980	CUL2	0	0	1.287654	0.412416	0.662467	0	0.889303	2.15778	0	0.2878607	1.330334	1.035907	-0.11879	0.873343	0.255405	0.729209	0.5835	NA
AT1G02990	AT1G02990	336.4598	276.5581	260.1062	180.2368	184.8284	230.2702	241.0012	306.4047	205.9879	266.7509	280.7005	241.3662	-0.54939	0.004268	-0.21255	0.351036	-0.14713	0.701439
AT1G03000	PEX6	361.4268	314.0273	352.8173	232.2193	215.9391	260.1754	299.6953	292.3792	32.3465	368.4617	347.2172	382.2495	-0.50728	0.000776	-0.31793	0.055896	0.090505	0.78061
AT1G03010	AT1G03010	47.55616	32.11643	32.19136	7.42348	8.612075	8.971567	11.56905	5.39445	3.904984	31.66468	46.56169	40.40035	-1.95969	1.04e-07	-2.08462	1.54e-07	0.06483	0.944595
AT1G03020	GRX51	14.26685	14.27397	14.1642	5.773818	3.974804	8.971567	12.45025	3.23667	8.786214	13.4335	21.28534	22.78994	-1.0915	0.038261	-0.63288	0.253215	0.37293	NA
AT1G03022	AT1G03022	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G03030	AT1G03030	105.8125	105.2705	113.3136	166.2035	174.2289	159.4945	112.0522	148.8868	132.7695	122.8206	122.3907	126.3806	0.611324	0.000648	0.265156	0.219251	0.189206	0.595848
AT1G03040	BHLH7	290.0926	244.4417	302.5988	405.8169	412.0546	333.9417	364.6144	385.1637	408.0708	241.803	266.0668	232.0431	0.452494	0.002826	0.453416	0.003774	-0.1854	0.514832
AT1G03050	AT1G03050	0	0	5.352738	1.287654	1.649662	0.996841	0	3.23667	1.952492	0.995936	1.330334	0	-0.04051	0.962462	-0.09381	0.913355	-0.47335	NA
AT1G03055	D27	35.66712	39.25341	50.21852	47.84021	38.4231	39.87363	49.80099	36.68226	50.76479	101.7108	101.1054	53.86714	0.01462	0.972739	0.124275	0.710505	0.968957	0.01211
AT1G03060	SPI	897.6225	499.5889	418.4877	200.0216	198.0777	295.6049	327.2637	406.7415	221.6078	411.6408	435.0192	405.0395	-1.32107	1.04e-06	-0.87932	0.002402	-0.51064	0.245098
AT1G03070	AT1G03070	4.755616	1.784246	7.725926	4.948987	3.312336	1.993682	3.557214	2.15778	2.928738	2.878607	2.666668	6.215439	-0.29163	0.693142	-0.47874	0.521118	-0.20243	NA
AT1G03080	NET1D	1124.703	686.9347	773.8803	384.3713	433.9161	506.3951	564.7077	688.3318	552.5552	748.4378	864.7171	788.3249	-0.947	4.78e-07	-0.50854	0.012648	-0.10755	0.79786
AT1G03090	MCCA	372.1269	408.5923	377.2827	233.0148	189.4656	248.2134	373.5075	414.2937	302.6363	369.4212	385.7969	373.9623	-0.77484	7.79e-07	-0.08361	0.649411	-0.03384	0.935197
AT1G03100	AT1G03100	24.96698	21.41095	37.34198	25.15735	28.48609	39.87363	23.12189	43.1556	29.28738	13.4335	27.93701	27.96948	0.108317	0.823603	0.150644	0.768207	-0.27144	0.732046
AT1G03103	AT1G03103	0	0	0	0	0	0	1.778607	0	0	0	0	0	0.248756	NA	0	NA	0	NA
AT1G03106	AT1G03106	1.188904	1.784246	0	1.237247	0.662467	0.996841	0.889303	1.07889	0	0	0	0	0.073533	NA	-0.13127	NA	-0.52277	NA
AT1G03110	TRM82	110.0568	78.50683	110.7383	104.3411	110.632	93.70303	80.92662	81.99564	77.12343	102.6703	115.7391	112.9138	0.077879	0.760607	-0.28232	0.241245	0.16678	0.680453
AT1G03120	ATRA828	1.188904	0	1.287654	2.062078	0.662467	0.996841	0	3.23667	0.976246	0.995936	1.330334	3.10772	0.161273	0.838938	0.179849	0.828519	0.354433	NA
AT1G03130	PSAD2	11661.96	14108.03	13502.34	6838.675	6198.044	5910.269	5100.155	5320.006	6373.91	14945.73	13957.86	13784.81	-1.03952	5.87e-18	-1.21191	3.98e-24	0.119257	0.626348
AT1G03140	AT1G03140	612.2855	769.01	690.1827	774.5164	764.4872	752.6148	739.9005	744.4341	837.6191	733.0852	663.8367	719.955	0.149691	0.278373	0.167827	0.242733	0.307248	0.901519
AT1G03150	AT1G03150	219.9472	223.0308	236.9284	261.4715	271.6116	225.286	210.7649	207.1469	207.9404	268.67	236.7994	253.7971	0.162035	0.329384	-0.11817	0.533965	0.159739	0.566983
AT1G03160	FZL	577.8073	665.5238	556.2667	370.3492	392.1806	382.7869	580.7152	558.865	489.0902	582.4381	541.4459	616.3644	-0.64148	3.41e-07	-0.13765	0.38074	-0.04181	0.893694
AT1G03170	FAF2	15.46575	8.92123	12.86754	7.835896	9.274542	2.990522	5.335821	4.31556	4.88123	10.55489	13.30334	3.10772	-0.68296	0.210848	-1.05768	0.060928	-0.32591	NA
AT1G03180	AT1G03180	24.96698	21.41095	20.62047	39.17948	54.98478	39.87363	44.46517	37.76115	15.52492	27.82653	23.94601	20.71813	0.5909735	0.010922	0.539205	0.190593	0.094017	0.920201
AT1G03190	UVH6	77.27876	67.80135	63.09506	80.00862	64.92179	79.74726	78.25871	66.89118	69.31347	74.84378	89.13238	68.36983	0.102161	0.723094	0.040001	0.90469	0.139902	0.779875
AT1G03200	AT1G03200	3.566712	14.27397	11.58889	9.485558	9.274542	7.974726	12.45025	12.94668	4.88123	4.797678	3.991002	6.215439	-0.04773	0.947221	0.0801992	0.910932	-0.66459	NA
AT1G03210	AT1G03210	186.6579	203.404	256.2432	466.442	600.1953	487.4551	406.4117	282.6692	366.9922	176.5546	190.2378	168.8528	1.234847	7.16e-12	0.619198	0.300372	-0.26699	0.443363
AT1G03220	AT1G03220	221.1361	157.0137	191.8605	490.5287	415.367	570.1929	599.3905	617.125	617.9637	145.8944	156.9794	125.3447	1.245647	8.35e-13	1.638758	1.46e-21	-0.41532	0.160612
AT1G03230	AT1G03230	112.9459	82.07532	115.8889	174.4518	148.3927	215.3176	188.5323	220.0935	254.8002	71.00564	86.47171	66.29080	0.744531	0.000645	0.104481	1.08e-06	-0.47699	0.187679
AT1G03240	AT1G03240	3.566712	1.784246	2.575309	2.062078	3.312336	0.996841	1.778607	1.07889	0.976246	3.838143	1.330334	3.10772	-0.15856	0.846008	-0.51132	0.505474	0.049157	NA
AT1G03250	AT1G03250	183.0912	173.0719	197.0111	240.8507	221.2641	220.3018	180.5286	214.6991	224.5366	184.2308	158.3097	213.3967	0.297307	0.099377	0.154866	0.467025	0.008964	0.986682
AT1G03260	AT1G03260	87.97889	78.50683	77.25926	87.84452	98.04516	77.75358	68.69403	97.10009	72.2422	48.93632	59.86503	68.36983	0.112941	0.709958	-0.10337	0.578628	-0.44626	0.274581
AT1G03270	CBSDU4	35.66712	60.66437	38.62963	29.28151	21.86142	22.92734	21.34328	22.65669	15.52492	49.89585	47.89202	58.01077	-0.75752	0.104846	-0.97726	0.003093	0.232989	0.690605
AT1G03280	AT1G03280	388.																	

AT1G03760	AT1G03760	58.25629	51.74313	51.50617	80.83345	76.18374	94.69987	77.3694	91.70564	82.98091	61.41028	61.19536	60.08258	0.600016	0.009682	0.608922	0.012601	0.162801	0.746695
AT1G03770	RING1B	53.50068	51.74313	54.08148	59.80026	50.34751	53.8294	59.58333	58.26006	36.1211	67.16749	58.53469	42.47217	0.043906	0.906499	-0.04875	0.903333	0.072591	0.917863
AT1G03780	TPX2	168.8244	128.4657	150.6556	170.74	175.5538	206.346	156.5114	151.0446	130.817	160.2424	164.9614	204.0736	0.277513	0.196613	-0.04081	0.881067	0.225835	0.507685
AT1G03790	SOM	0	0	0	6.186234	3.312336	4.984204	5.335821	2.15778	0.976246	0	0	0	1.676501	0.006143	1.126191	0.087618	0	NA
AT1G03800	ERF10	0	0	0	0.824831	1.324935	0.996841	0	2.15778	1.952492	1.919071	1.330334	0	0.507611	0.431728	0.630228	0.328301	0.513587	0.078801
AT1G03810	AT1G03810	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G03820	AT1G03820	53.50068	41.03766	60.51975	62.68177	52.99738	40.87047	68.47637	77.68008	115.197	40.3005	35.91902	39.36445	0.020194	0.960053	0.700764	0.019107	-0.40598	0.440531
AT1G03830	AT1G03830	160.502	119.5445	118.4642	70.11065	82.80841	113.6398	88.04104	87.39009	75.17094	113.2252	134.3637	127.4165	-0.5926	0.101211	-0.65204	0.006639	-0.09489	0.857778
AT1G03840	MGP	5.94452	1.784246	5.150617	4.124156	2.649869	2.990522	3.557214	2.15778	1.952492	4.797678	3.991002	5.179533	-0.28033	0.705023	-0.49518	0.504597	0.053001	0.0
AT1G03850	GRX513	16.64466	24.97944	19.31482	30.33449	309.3722	293.0712	108.495	93.86342	158.5159	10.55489	7.982004	11.39497	3.758506	2.75E-44	2.418182	6.82E-18	-0.81292	0.142232
AT1G03860	PHB2	401.8495	397.8869	401.7482	454.482	480.2888	407.7079	375.2861	405.6626	400.2609	345.4328	380.4755	364.6391	0.162322	0.242808	-0.02565	0.889016	-0.14096	0.556396
AT1G03870	FLA9	426.8165	506.7259	467.4185	294.0523	266.9743	354.8753	135.1741	197.4369	280.1826	358.8663	332.5835	384.3213	-0.59426	0.008429	-1.15189	1.18E-07	-0.36581	0.31129
AT1G03880	CRB	0	0	0	0	0	0	1.07889	0	0	0	0	0	0.16673	NA	0.0	NA	0	NA
AT1G03890	CRD	0	0	0	0	0	0	0.889303	0	0.976246	0	0	0	0	NA	0	NA	0	NA
AT1G03900	ATNAP4	681.242	710.1299	672.1556	1155.176	1084.459	1039.705	843.949	891.1631	866.9064	711.9754	762.2814	628.7953	0.665943	9.34E-10	0.332433	0.005491	0.026305	0.930488
AT1G03905	ABC19	13.07794	7.136984	14.1642	24.74493	21.86142	22.92734	34.68284	20.49891	18.54867	10.55489	10.64267	8.287252	0.858213	0.045133	0.939737	0.036516	-0.22696	0.820724
AT1G03910	CTN	523.1177	506.7259	500.8975	504.3842	464.3896	524.3382	516.6853	579.3639	519.3629	496.0799	439.0102	470.3016	-0.03774	0.812105	0.075176	0.635335	-0.12004	0.607752
AT1G03920	AT1G03920	30.91115	19.62671	12.87654	6.186234	8.612075	8.971567	11.56095	6.47334	8.786214	18.23118	22.61568	20.71813	-1.26188	0.003633	-0.10593	0.02409	-0.04936	NA
AT1G03930	ADK1	554.0292	583.4485	542.1025	349.7284	349.1203	356.869	401.9652	397.0315	274.3251	519.1088	435.0192	559.3895	-0.65695	5.66E-05	-0.63279	0.000159	-0.14385	0.656746
AT1G03935	AT1G03935	4.755616	7.136984	7.725926	7.011065	7.28714	13.95577	9.782338	15.10446	13.66744	12.47396	9.312338	5.179533	0.351216	0.562276	0.717965	0.178212	0.354547	NA
AT1G03940	3AT1	66.57862	69.5856	74.68395	64.33683	77.50867	76.75674	58.69403	60.41784	54.66978	53.734	47.89202	54.90305	0.040251	0.895619	-0.26878	0.337383	-0.4065	0.297388
AT1G03950	VPS2.3	117.7015	107.0548	112.0259	233.4272	220.6016	205.3492	128.7687	210.3835	198.1779	141.0571	160.9704	139.8474	0.951798	2.47E-09	0.874374	1.18E-07	0.370874	0.166173
AT1G03960	B"EPSILON	146.2352	160.5821	148.0802	138.5716	139.1181	143.5451	177.8607	162.9124	125.9357	161.202	175.6041	159.5296	-0.10642	0.626249	0.042078	0.870879	0.124723	0.740554
AT1G03970	GBF4	98.67903	148.0924	114.6012	117.9509	102.02	116.6304	118.2774	125.1512	129.8407	144.8899	148.9974	77.62999	-0.08617	0.7873	0.056564	0.872763	0.046338	0.943956
AT1G03980	PCS2	1.188904	5.352738	2.575309	4.948987	6.246733	7.974726	1.778607	4.31556	0.976246	1.919071	2.660668	3.10772	0.813865	0.212361	-0.18203	0.831626	-0.06984	NA
AT1G03982	RIC8	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G03990	FAO1	45.17835	46.3904	28.3284	23.09527	25.17376	22.92734	15.11816	24.81447	12.6912	42.21957	58.53469	52.83123	-0.68809	0.039129	-0.18751	0.001917	0.341284	0.556992
AT1G04000	AT1G04000	86.78999	69.5856	84.98519	51.96436	72.8714	58.81361	42.68657	43.1556	77.12343	56.6126	66.5167	41.43626	-0.38404	0.214875	-0.54142	0.087964	-0.53628	0.239949
AT1G04010	PSAT	72.52134	96.34929	79.83457	69.28542	56.97219	56.81992	70.25498	49.78453	44.90732	73.88424	58.53469	58.01077	-0.39961	0.171429	-0.23918	0.476311	-0.34969	0.472789
AT1G04020	BARD1	110.5681	71.36984	112.0259	79.59621	74.19633	67.78517	70.25498	59.33895	68.03759	111.3061	115.7391	124.3088	-0.39971	0.12501	-0.787	0.002386	0.232122	0.612836
AT1G04030	AT1G04030	57.06739	46.3904	56.65679	52.78919	48.36011	51.83572	58.69403	58.26006	41.97858	55.53167	97.11438	49.72351	-0.17029	0.847782	-0.02034	0.96157	0.311865	0.555797
AT1G04040	AT1G04040	555.2181	786.8525	512.9901	239.201	241.8006	295.0649	223.2152	222.2513	261.6339	77.2239	799.5307	771.7504	-1.40986	3.32E-20	-1.53302	8.06E-23	0.166435	0.580587
AT1G04050	SUVR1	61.82301	58.88012	42.49259	22.27044	15.89921	32.89575	15.1816	24.81447	20.50117	64.28889	50.55269	30.04129	-1.12224	0.00125	-1.30265	0.000338	-0.15165	0.849275
AT1G04070	TOM9-1	13.07794	14.27397	18.07613	30.93117	25.83622	20.93366	24.01119	20.49891	36.1211	6.835821	15.96401	15.5386	0.711246	0.086106	0.734733	0.039686	-0.17642	0.857778
AT1G04080	PRP39	1173.448	1157.976	1134.423	1019.079	833.3838	1111.477	1053.825	1170.596	633.5837	1136.09	935.2248	1058.696	-0.21985	0.350541	-0.27048	0.259604	-0.14217	0.739371
AT1G04090	AT1G04090	5.94452	7.136984	7.725926	4.948987	2.649869	5.981045	3.557214	6.47334	2.928738	7.676285	10.64267	12.43088	-0.47775	0.466998	-0.50272	0.457137	0.458221	0.0
AT1G04100	IAA10	48.74506	39.25341	42.49259	44.12847	48.36011	35.88627	38.24005	39.91893	58.57476	39.34096	59.86503	38.32854	-0.0198	0.961442	0.03538	0.899942	0.044492	0.957023
AT1G04110	SBT1.2	24.96698	39.25341	43.78025	17.32145	21.86142	20.93366	38.24005	24.81447	21.47747	27.82653	23.94601	35.22082	-0.77749	0.029509	-0.30283	0.478709	-0.26552	0.705052
AT1G04120	ABC5	77.921	560.2533	569.1432	419.4266	442.5281	545.2719	482.8198	521.1038	371.9497	589.1549	580.0256	554.21	-0.43729	0.020495	-0.46527	0.016383	-0.14736	0.686454
AT1G04130	TPR2	54.68958	53.52738	78.54691	78.77137	85.45828	60.80729	62.25124	49.62894	54.66978	66.20796	65.18636	91.15977	0.262375	0.369556	-0.16166	0.640234	0.237339	0.637897
AT1G04140	AT1G04140	927.3451	915.3182	762.2914	565.0093	517.3869	725.7001	714.1107	782.1952	515.4579	605.467	521.4909	664.0161	-0.51618	0.080341	-0.36339	0.08607	-0.52522	0.045478
AT1G04150	AT1G04150	5.94452	1.784246	0	1.237247	1.987402	0.996841	1.778607	4.31556	0.976246	6.716749	2.660668	1.035907	-0.4402	0.554878	-0.09762	0.912108	0.227588	NA
AT1G04160	XI-B	109.3792	105.2705	90.1358	36.70499	35.11077	46.85152	59.58333	57.18117	17.57243	124.7396	114.4087	98.41112	-1.27916	2.83E-05	-1.09743	0.000579	0.1416	0.825881
AT1G04170	EIF2	1157.992	1095.527	1191.088	928.3475	971.177	1006.809	976.4552	921.372	949.8874	1095.739	988.4381	1176.79	-0.24635	0.027663	-0.27332	0.017341	-0.07801	0.725981
AT1G04171	AT1G04171	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G04180	YUC9	11.88904	19.62671	14.1642	0	0	0	0	0	0	8.635821	3.991002	11.39497	-3.39271	1.9E-09	-3.10615	6.08E-08	-0.723	NA
AT1G04190	TPR3	292.4704	285.4794	369.5568	413.2404	425.304	387.7113	354.8321	346.3237	328.0187	355.0282	271.3881	350.1364	0.364413	0.024132	0.113819	0.572885	0.044466	0.910384
AT1G04200	AT1G04200	277.0146	253.3629	245.942	314.6731	265.6494	398.7363	377.0647	342.0081	188.4155	327.9648	232.8084	238.2585	0.317883	0.225718	0.216065	0.46117	-0.12635	0.81058
AT1G04210	AT1G04210	645.5748	504.9416	553.6914	374.4733	375.6189	481.4741	52.02211	491.9738	319.2324	426.9934	419.0552	499.3069	-0.46199	0.025737	-0.34662	0.121994	-0.33344	0.307907
AT1G04220	KCS17	46.36725	26.76369	34.76667	20.20836	23.18635	17.94313	9.782338	14.02557	15.61994	30.70514	45.23135	60.80337	-0.76008	0.032153	-1.32954	0.009363	-0.09887	0.905042
AT1G04230	AT1G04230	97.49012	105.2705	93.99877	120.0129	116.5942	126.5988	94.26617	92.78453	93.71962	94.99403	111.7481	89.67571	-0.28763	0.169586				

AT1G04690	KAB1	888.1112	940.2977	999.2198	1185.282	1177.204	1163.313	1216.567	1000.131	1187.115	908.6802	897.9754	1001.722	0.316006	0.008737	0.266283	0.037014	-0.00896	0.979828
AT1G04700	AT1G04700	21.40027	24.97944	15.45185	13.1973	6.624673	28.90838	15.11816	17.26224	7.809968	26.867	19.95501	20.71813	-0.32902	0.539815	-0.50939	0.35371	0.128801	0.90649
AT1G04710	KAT1	107.0014	144.5239	137.779	125.7868	74.19633	122.6114	139.6206	134.8612	121.0545	119.942	99.77505	146.0628	-0.25368	0.356684	0.029382	0.933595	-0.07426	0.899441
AT1G04720	AT1G04720	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G04730	VF18	73.71204	71.36984	70.82099	41.65397	42.39791	49.84204	49.91169	55.02339	60.26363	81.56053	101.1054	88.05205	-0.67582	0.007909	-0.65831	0.01581	0.308912	0.480747
AT1G04750	CAMP721	110.0666	674.445	676.0185	1125.907	1107.645	1088.55	991.5734	1002.289	1066.321	653.4438	626.5873	732.3859	0.746995	3.4E-06	0.804746	5.78E-07	0.03765	0.930326
AT1G04760	VAMP726	14.26685	21.41095	10.30123	30.93117	33.12336	20.43116	40.99782	25.3824	32.62421	30.59768	25.89766	0.835158	0.032515	0.882713	0.03007	0.873402	0.12325	0.83446
AT1G04770	AT1G04770	196.1692	215.8938	202.1617	157.9552	159.6546	209.9365	115.6095	103.5734	152.2944	244.6816	270.0578	210.289	-0.4352	0.024688	-0.70224	0.000303	0.234064	0.481893
AT1G04778	AT1G04778	1.188904	0	0	1.237247	0	0	1.778607	1.07889	1.952492	1.919071	1.330334	3.10772	-0.06679	0.934806	0.513787	0.470463	0.701332	NA
AT1G04780	AT1G04780	565.9183	501.3731	460.9803	411.1783	397.4804	464.5278	478.4453	565.3383	456.8831	372.2998	393.7789	395.7163	-0.26501	0.080008	-0.02858	0.889554	-0.39213	0.048717
AT1G04790	AT1G04790	243.7253	249.7944	243.3667	234.6645	252.4	230.2702	264.1231	275.1169	193.2967	235.0862	240.7904	275.5511	-0.03637	0.871533	-0.00808	0.937382	0.029278	0.949282
AT1G04800	AT1G04800	442.2723	499.5889	464.8432	138.984	134.4809	110.6493	115.6095	157.5179	348.5198	367.5021	417.7249	334.5978	-1.75401	4.22E-10	-1.10791	0.00016	-0.31	0.566983
AT1G04810	RPN2B	600.3965	558.469	479.0074	399.2183	404.105	449.5752	486.449	540.5239	378.7834	439.4673	446.9922	420.5781	-0.38281	0.019168	-0.21745	0.238547	-0.32035	0.193637
AT1G04820	TUBA4	3886.527	3300.855	3381.38	2651.832	2785.012	2847.974	2222.369	2487.92	2576.313	3301.762	3014.537	3255.854	-0.34967	0.001623	-0.53313	8.21E-07	-0.14209	0.469967
AT1G04830	AT1G04830	189.0357	219.4623	212.463	187.0283	178.8662	166.4724	175.1928	181.2535	130.817	159.2829	227.4871	174.0323	-0.26658	0.198209	-0.33794	0.114619	-0.14795	0.700947
AT1G04840	PCMP464	16.64466	17.84246	9.01358	6.660727	11.92441	14.95261	8.893035	20.49891	10.73871	10.55489	13.30334	17.61041	-0.27192	0.620544	-0.09871	0.879853	-0.04439	NA
AT1G04850	AT1G04850	836.9884	843.9484	856.2901	1078.467	1128.182	1038.708	975.5659	1024.945	1346.243	837.6746	740.996	772.7861	0.35087	0.016223	0.394057	0.007753	-0.1072	0.712944
AT1G04860	URP2	455.3502	397.8869	378.5704	251.9859	270.2866	287.0901	364.6144	354.9548	279.2064	363.664	421.7159	399.7163	-0.60325	6.95E-05	-0.29951	0.078771	-0.06386	0.860039
AT1G04870	PRMT10	211.6249	233.7362	234.3531	245.3873	276.2489	259.1786	240.1119	213.6202	121.8216	173.6759	187.5771	200.1181	0.19835	0.227589	-0.02288	0.91701	-0.2647	0.295987
AT1G04880	HMG815	4.755616	1.784246	6.438272	0.824831	1.324935	2.990522	3.55214	0	9.282738	4.797678	2.660668	2.071813	-0.85631	0.205492	-0.57387	0.464634	-0.27897	NA
AT1G04890	AT1G04890	2.377808	0	0	0	0.662467	0	0	1.07889	0	0	0	0	-0.2661	NA	-0.19704	NA	-0.36798	NA
AT1G04900	AT1G04900	74.90095	89.2123	100.437	87.4321	108.6446	107.6588	115.6095	94.94231	109.3396	83.4796	67.84703	84.94434	0.185528	0.461437	0.27231	0.285686	-0.14603	0.757455
AT1G04910	AT1G04910	222.325	206.9725	197.0111	239.6134	261.0121	232.2639	227.6617	245.9869	194.273	203.4216	190.2378	242.4021	0.222803	0.217356	0.088439	0.687246	0.023823	0.959203
AT1G04920	SP3	17.83356	16.05821	30.9037	22.68286	17.88662	17.94313	23.12189	25.89336	16.59618	25.90746	29.26735	27.96489	-0.1343	0.775281	-0.0047	0.993012	0.306067	0.672298
AT1G04930	AT1G04930	32.10041	33.90067	12.87654	28.45667	25.17376	22.92734	23.34328	18.34113	26.35864	13.4335	10.64267	12.43088	-0.00045	0.99968	-0.20825	0.675166	-0.9414	0.107459
AT1G04940	TIC20-I	43.98945	53.52738	45.0679	18.5506	49.68505	45.85468	48.91169	48.55005	101.5296	64.28889	71.83803	65.26211	0.117794	0.765139	0.45813	0.189604	0.470805	0.357314
AT1G04945	AT1G04945	29.7226	49.95889	52.79383	79.59621	100.0326	78.75042	70.25498	65.81229	56.62227	45.09817	55.23135	37.29264	0.939084	0.000319	0.529674	0.076509	-0.03823	0.961153
AT1G04950	TAF6	291.2815	297.9691	292.2975	240.0259	244.4504	288.087	273.0162	282.6692	206.9642	318.5658	304.6465	272.4434	-0.19318	0.292258	-0.20502	0.291222	0.023288	0.959203
AT1G04960	AT1G04960	193.7913	214.1095	249.8049	274.2564	274.9239	261.1723	281.9092	294.537	249.919	209.1788	210.1928	217.5404	0.299011	0.059635	0.323838	0.050935	-0.0453	0.905663
AT1G04970	AT1G04970	419.6831	369.3389	381.1457	446.6461	461.0772	461.5373	499.7886	459.6071	428.572	395.2387	478.9202	410.219	0.219442	0.126607	0.24056	0.108605	0.125016	0.631455
AT1G04980	PDIL2-Z	76.08985	71.36984	64.38272	514.2822	570.3843	479.4804	351.2749	364.6648	479.3368	39.34096	53.21336	62.15439	2.801901	1.26E-47	2.418838	4.87E-35	-0.43982	0.250049
AT1G04985	AT1G04985	202.1137	264.0684	211.1753	274.2564	237.1633	235.2544	212.5454	206.0125	327.0424	198.6239	162.3007	212.3608	0.148287	0.53085	0.239509	0.307619	-0.22209	0.553047
AT1G04990	AT1G04990	137.9129	119.5445	123.6148	228.4782	234.5134	203.3555	261.4552	250.3025	251.8715	164.8006	228.8174	124.3808	0.780144	0.000143	0.968604	2.05E-06	0.410788	0.216294
AT1G05000	AT1G05000	15.45575	19.62671	31.91482	40.82914	35.11077	24.92102	40.01866	22.65669	30.26363	10.55489	9.312338	17.61041	0.842311	0.029510	0.711778	0.090819	-0.44054	0.564516
AT1G05010	AC04	1480.185	1843.126	1837.483	2255.913	2068.885	2571.849	2539.851	2651.911	3101.534	1879.73	1842.513	1674.025	0.41289	0.004939	0.67611	1.21E-06	0.06443	0.846712
AT1G05020	AP180	4.755616	17.36984	6.438272	5.738181	2.649869	14.95261	1.778607	9.710009	2.928738	11.51443	17.29434	11.39497	0.195262	0.047996	-0.25344	0.743308	0.842208	NA
AT1G05030	AT1G05030	148.6113	165.9349	145.5049	164.9662	188.1407	199.3682	208.097	186.648	165.9618	178.4736	179.5951	176.1041	0.255436	0.166852	0.287484	0.138523	0.216797	0.487627
AT1G05040	AT1G05040	0	0	0	1.649662	2.649869	0.996841	0.889303	1.07889	0.972646	0	0	0	0.942852	NA	0.513551	NA	-0.128	NA
AT1G05055	ATGTF2H2	109.3792	98.13353	121.0395	140.2213	113.9444	146.5356	109.3843	112.2046	98.60085	113.2252	74.4987	107.7343	0.269932	0.243046	-0.04334	0.888489	-0.14202	0.756214
AT1G05060	AT1G05060	143.8574	165.9349	177.6963	207.8574	223.2515	217.3113	243.6692	186.648	210.8691	113.2252	133.0334	151.2442	0.404626	0.028683	0.393034	0.044078	-0.28663	0.363731
AT1G05061	AT1G05061	2.377808	1.784246	2.575309	4.949887	0.662467	3.987363	4.466517	6.47334	3.904984	8.767285	2.660668	3.10772	0.240161	0.757446	0.628367	0.389854	0.559339	NA
AT1G05065	CL20	13.07794	5.352738	6.438272	11.13522	13.24935	10.96525	5.335821	6.47334	9.76246	13.4335	7.982004	13.46678	0.381395	0.499311	-0.20911	0.759292	0.374612	NA
AT1G05070	AT1G05070	129.5905	181.9931	137.779	210.7444	215.9643	164.4787	149.403	143.4924	222.5841	179.4332	186.2468	179.2118	0.401277	0.079146	0.203102	0.449372	0.279453	0.471543
AT1G05080	AT1G05080	0	0	1.287654	0	0	0	0	0	0	0	1.330334	0	-0.22987	NA	-0.21319	NA	-0.06755	NA
AT1G05085	AT1G05085	3.566712	1.784246	0	0.824831	0.662467	1.993682	0.889303	0	0	0.995936	0	0.310772	-0.25817	0.731947	-0.65201	0.337656	-0.128	NA
AT1G05090	AT1G05090	217.5694	214.1095	207.3123	183.1125	164.2919	219.305	224.1045	193.1213	133.7457	229.329	222.1658	203.0377	-0.17488	0.455779	-0.2064	0.401294	0.033805	0.950436
AT1G05100	MAPKK18	7.133424	5.352738	2.575309	23.50769	19.87402	33.89259	21.34328	11.86779	12.6912	9.595356	6.65167	1.035907	1.854296	0.000147	1.207802	0.025405	0.098566	NA
AT1G05120	AT1G05120	150.9908	146.3082	144.2173	168.2656	129.8436	165.4756	176.0821	181.2535	140.1817	147.7685	105.0964	125.3447	0.068301	0.996758	0.139883	0.955139	-0.20904	0.596904
AT1G05135	AT1G05135	171.2022	178.4246	139.0667	180.2256	168.2667	209.3366	92.48756	140.2557	238.204	134.335	94.45371	88.05205	0.180845	0.606285	-0.04936	0.950356	-0.58111	0.199307
AT1G05136	AT1G05136	0	0	0	0.412416	0.662467	0	0	1.07889	0									

AT1G05630	5PTASE13	353.1045	346.1437	310.3247	382.3092	343.158	410.6984	223.2152	288.0636	200.1304	276.3463	267.3971	242.4021	0.166712	0.375274	-0.49778	0.004182	-0.35345	0.166194
AT1G05640	AT1G05640	41.61164	24.97944	33.47901	23.50769	27.82363	21.9305	25.7898	29.13003	13.66744	33.58375	25.27635	25.89766	-0.42944	0.255608	-0.52159	0.194105	-0.23158	0.749826
AT1G05650	AT1G05650	0	0	0	0.412416	0.662467	0	0	0	0	0.995936	0	0.1035907	0.223894	NA	0	NA	0.374818	NA
AT1G05660	AT1G05660	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G05670	AT1G05670	103.4346	90.99655	90.1358	62.27475	49.68505	64.79465	96.04478	108.9679	55.64602	97.87263	67.84703	98.41112	-0.65957	0.015493	-0.12486	0.762633	-0.0962	0.879034
AT1G05675	UG774E1	3.566712	14.27397	10.30123	37.94223	33.12336	51.83572	61.36194	69.04896	98.60085	5.757214	3.991002	6.215439	1.890508	1.31E-06	-2.750503	3.65E-13	-0.5365	0.535672
AT1G05680	UG774E2	5.94452	5.523738	6.438272	34.64291	33.78583	60.80729	80.92662	63.65451	48.8123	9.595356	21.28534	10.35907	2.301846	3.07E-08	2.86731	2.56E-12	0.817171	0.271195
AT1G05690	BT3	51.12287	80.2917	52.79383	69.28582	59.62205	76.75674	70.25498	72.28563	52.71728	65.24842	65.18636	45.97989	0.170504	0.598902	0.103703	0.777493	-0.04195	0.95496
AT1G05700	AT1G05700	0	0	0	1.237247	2.649869	0	0	2.15778	1.952492	0.995936	0	0.1035907	0.626323	0.305179	0.594566	0.348421	0.314523	NA
AT1G05710	AT1G05710	41.61164	37.46917	46.35556	144.3455	137.1307	144.5419	169.857	134.8612	167.9143	49.89585	66.5167	52.83123	1.685552	5.3E-15	1.833965	2.95E-17	0.37785	0.369773
AT1G05720	AT1G05720	185.469	221.2465	187.9975	340.6553	335.2084	285.0965	240.1119	214.6991	301.66	189.9881	215.5141	162.6373	0.688179	0.000131	0.346248	0.091809	-0.06279	0.889374
AT1G05730	AT1G05730	14.26685	16.05821	15.45185	17.32145	20.53649	18.93997	12.45025	12.94668	22.45366	9.595356	6.65167	10.35907	0.285452	0.557214	0.063831	0.915603	-0.63088	NA
AT1G05740	AT1G05740	0	0	0	0.412416	0.662467	0.996841	0.889303	1.07889	0	0.995936	0	0.1035907	0.369992	NA	0.357067	NA	0.380059	NA
AT1G05750	PDE247	68.95643	66.0171	64.38272	66.39891	52.99738	77.75358	66.69776	76.60119	55.64602	50.85539	66.5167	61.11849	-0.02732	0.936783	-0.00654	0.985734	-0.16226	0.763527
AT1G05760	RTM1	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G05770	JAL2	5.94452	3.568492	3.826963	3.71174	1.987402	2.990522	0.889303	2.15778	3.904984	5.757214	1.330334	6.215439	-0.39308	0.587174	-0.58274	0.430181	0.022582	NA
AT1G05780	AT1G05780	45.17835	49.95889	47.64321	49.07745	51.00998	44.85784	50.6903	50.70783	46.85981	49.89585	63.85603	31.0772	0.031008	0.936359	0.056098	0.889789	0.007547	0.992858
AT1G05785	AT1G05785	185.469	46.3904	41.20494	71.76031	93.40789	60.80729	65.80846	58.26006	69.31347	21.10978	30.59768	26.93357	0.814756	0.000265	0.589735	0.048996	-0.64503	0.161832
AT1G05790	AT1G05790	250.8587	280.1266	261.3938	274.6688	259.6872	294.068	344.1604	353.8759	220.6312	250.4388	332.5835	224.7917	0.062877	0.818053	0.209116	0.406881	0.024286	0.966307
AT1G05800	DGL	0	0	0	0	0	0.996841	0.889303	0	0	0	0	0	0.133397	NA	0.133015	NA	0	NA
AT1G05805	BHLH12A	328.1375	415.7293	392.7346	533.2533	516.062	532.313	530.0249	458.5282	436.382	338.5761	412.4035	383.2854	0.475608	0.001352	0.328027	0.037904	-0.00074	0.9982
AT1G05810	ARA	104.6235	139.1972	100.4656	126.11992	111.957	141.5514	88.93035	96.0212	117.1495	129.7163	110.4177	114.9856	0.109478	0.661396	-0.20644	0.414892	0.02482	0.965356
AT1G05820	SPPL5	29.7226	42.8219	37.34198	22.27044	23.18635	27.91154	27.56841	25.89336	11.71495	39.34096	33.25835	34.18492	-0.54002	0.128285	-0.67267	0.07409	-0.01549	0.98764
AT1G05830	ATX2	331.7042	376.4759	348.9543	325.8083	307.3848	342.9132	348.607	326.9037	223.5603	378.057	353.8688	328.3824	-0.11136	0.599965	-0.22564	0.273085	0.00742	0.988849
AT1G05835	AT1G05835	52.31177	49.95889	64.38272	61.03751	68.8966	60.80729	43.57587	36.68226	66.38473	66.20796	111.7481	70.44164	-0.17747	0.642587	-0.17747	0.642587	0.525592	0.244416
AT1G05840	AT1G05840	292.4704	335.4383	318.0506	339.8304	323.284	363.8469	353.0535	326.9037	281.1588	317.6063	361.8508	320.0951	0.118397	0.490538	0.027547	0.896255	0.07927	0.80625
AT1G05850	CTL1	8001.324	7893.916	7127.167	2633.686	2609.459	2650.6	2386.001	2589.336	2422.066	6702.356	6754.106	5641.547	-1.59429	1.92E-52	-1.59429	1.92E-52	-0.23642	0.134773
AT1G05860	AT1G05860	118.8904	119.5445	135.2037	134.8599	130.5061	141.5514	108.495	126.2301	81.02842	144.8899	191.5681	140.8833	0.115612	0.650935	-0.20025	0.345155	0.333935	0.329153
AT1G05870	AT1G05870	257.9922	319.38	311.6124	267.2453	226.5638	228.2765	148.5137	132.7035	162.0565	337.7565	295.3341	323.2028	-0.28312	0.092111	-0.97787	7.95E-10	0.111789	0.733177
AT1G05880	ARI12	2.377808	1.784246	2.575309	16.90904	13.91181	11.96209	46.24378	26.97225	24.40615	1.919071	0	0.1035907	1.845204	0.000397	2.897254	6.05E-09	-0.47531	NA
AT1G05890	ARI5	494.584	472.8252	485.4457	553.0493	506.125	536.3003	589.6802	653.8073	479.3368	491.3171	456.3046	389.5009	0.132879	0.429859	0.240678	0.139072	-0.19988	0.434201
AT1G05894	AT1G05894	5.94452	1.784246	2.575309	4.948987	7.949607	10.96525	6.225124	4.67334	4.88123	3.838143	5.321336	6.215439	0.759845	0.215695	0.453239	0.532784	0.308149	NA
AT1G05900	NTH2	252.0476	244.4417	261.3938	232.19	246.4378	217.3113	206.3184	209.3046	171.8193	292.6584	268.7275	252.7612	-0.11971	0.499651	-0.36398	0.026801	-0.101281	0.794251
AT1G05910	AT1G05910	273.4479	187.3458	208.8877	207.445	205.3649	229.2734	216.1007	262.1703	195.2492	182.3118	220.8354	247.5817	-0.07309	0.771372	-0.0045	0.98745	0.05227	0.914481
AT1G05920	AT1G05920	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	NA	0	NA	0.38345	NA
AT1G05925	AT1G05925	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G05930	AT1G05930	2.377808	0	0	0	0	0	0.889303	0	0.976246	0	0	0	-0.45106	NA	-0.06974	NA	-0.40631	NA
AT1G05940	CAT9	452.9724	431.7875	391.4469	360.8636	319.9717	387.7711	412.6368	432.6349	316.3037	420.2766	391.1182	405.0395	-0.25437	0.12961	-0.13399	0.490872	-0.06693	0.854642
AT1G05950	AT1G05950	66.57862	51.74313	59.2321	75.05963	72.8714	74.76306	64.02985	43.1556	41.97858	62.36982	50.55269	76.65708	0.303125	0.283239	-0.24308	0.45644	0.088124	0.887406
AT1G05960	AT1G05960	72.8536	77.9313	69.2758	420.2515	398.1428	487.4551	632.2948	694.8051	442.2394	625.6172	740.996	678.5188	-0.73465	1.77E-05	-0.30304	0.121227	-0.09899	0.793302
AT1G05970	AT1G05970	54.68958	62.44861	65.67037	55.6761	64.92179	59.81045	43.57587	45.31338	71.26596	69.08657	74.4987	53.86714	-0.18555	0.959763	-0.17853	0.603959	0.104364	0.866496
AT1G05980	AT1G05980	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G05990	CM17	0	0	0	0.412416	0	0	0.889303	0	0	0	0	0	0.066991	NA	0.136991	NA	0	NA
AT1G06000	UG789C1	87.97889	64.23286	47.64321	135.2723	145.0803	131.583	104.845	133.7824	173.7718	86.35821	99.77505	59.04667	0.984165	0.00023	0.979671	0.000344	0.262285	0.624333
AT1G06002	AT1G06002	0	0	0	0.824831	0.662467	0	0	1.07889	2.876234	0.995936	0	0.2071813	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G06010	AT1G06010	65.38972	57.09587	86.27284	102.2791	96.72022	87.72199	88.93035	70.12785	149.3656	118.0229	131.7031	108.7702	0.427213	0.149909	0.524397	0.084057	0.726556	0.056075
AT1G06020	AT1G06020	1.188904	5.352738	3.826963	8.660727	7.28714	6.977885	8.003731	7.55223	8.786214	2.878607	3.991002	2.071813	0.878974	0.141736	0.917572	0.145695	-0.12237	NA
AT1G06030	AT1G06030	0	0	0	0	0	0	0	1.07889	2.876234	0.995936	0	0.2071813	0.237015	NA	0.609647	NA	0.488477	NA
AT1G06040	BBX24	3321.798	3374.009	3189.52	2115.279	2215.291	1909.947	1637.208	1430.608	1689.882	2959.208	3271.291	2742.045	-0.65646	5.68E-09	-1.04452	3.64E-21	-0.13882	0.515143
AT1G06050	AT1G06050	84.41218	107.0548	86.27284	129.0861	125.8688	138.5609	120.9453	116.5201	88.83389	87.31774	69.17737	72.51346	-0.499472	0.01839	0.239195	0.345573	-0.24845	0.54048
AT1G06060	AT1G06060	183.0912	249.7944	207.3123	195.8974	202.715	194.384	208.097	194.2002	116.7266	83.212481	188.9074	217.5404	-0.09597	0.630571	-0.03441	0.884588	0.02085	0.980729
AT1G06070	AT1G06070	215.1916	183.7773	230.4091	226.4162	225.9013	249.2102	204.5398	179.9597	166.9381	201.5025	208.8624	170.9246	0.14229	0.457105	-0.19525	0.327696	-0.12302	0.720991
AT1G06080	ADS1	351.9156	281.9109	374.4704	62														

AT1G06540	AT1G06540	1.188904	0	0	1.237247	0.662467	2.990522	0.889303	2.15778	1.952492	0	0	1.035907	0.519644	0.443179	0.539976	0.438321	-0.07697	NA
AT1G06550	AT1G06550	326.9486	297.9691	321.9136	249.5114	235.1759	242.2323	247.2264	236.2769	182.558	388.6119	369.8328	414.3626	-0.3776	0.014049	-0.52003	0.001337	0.302981	1.186053
AT1G06560	AT1G06560	95.11232	99.91778	75.97161	93.61834	78.17114	76.75674	71.14428	75.5223	76.14719	80.60099	86.47171	62.15439	-0.10662	0.717815	-0.56201	0.031953	-0.23229	0.588675
AT1G06570	PSD1	376.8826	413.9451	347.6667	286.6288	237.1633	299.0522	290.8022	312.8781	194.273	313.7682	256.7545	354.28	-0.45476	0.028452	-0.49711	0.019895	-0.28643	0.405877
AT1G06580	AT1G06580	21.40027	44.60615	33.47901	39.17948	21.19895	36.88311	30.23632	28.05114	26.35864	25.90746	15.96401	30.04129	0.004681	0.992684	-0.18157	0.706407	-0.37632	0.588209
AT1G06590	APCS	98.67903	108.8339	84.98519	111.7646	93.40789	161.6462	96.04478	94.94231	69.31347	94.03449	77.15937	71.47755	0.120198	0.952982	-0.15487	0.589878	-0.24769	0.557232
AT1G06610	AT1G06610	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT1G06620	AT1G06620	21.40027	8.92123	19.31482	161.2545	164.9544	186.4092	144.0672	119.7568	155.2231	24.94793	23.94601	20.71813	3.095198	4.18E-31	2.81505	2.93E-25	0.345528	0.756668
AT1G06630	AT1G06630	222.325	206.9725	199.5864	192.1857	198.0777	207.3429	265.0124	241.6713	204.0354	226.4504	210.1928	204.0736	-0.0783	0.693386	0.173187	0.365489	0.026076	0.952456
AT1G06640	AT1G06640	810.8325	613.7806	663.142	470.1538	428.6163	460.5404	438.4266	503.8416	547.674	1005.59	1023.027	874.3051	-0.61333	2.72E-05	-0.48391	0.001576	0.464766	0.014764
AT1G06645	AT1G06645	122.4571	146.3082	91.42346	160.8421	170.9166	204.3524	284.5771	253.5391	187.4392	122.8206	94.45371	147.0987	0.555011	0.022668	0.983651	2.31E-05	0.031573	0.962207
AT1G06650	AT1G06650	521.9288	660.171	600.0469	922.5736	802.2479	943.0114	841.2811	918.1353	676.5385	623.6982	584.0166	589.4309	0.576335	0.000123	0.446938	0.004681	0.015943	0.970941
AT1G06660	JASON	28.53369	30.33218	19.31482	35.05532	34.4483	27.91154	25.7898	14.02557	17.57243	20.15025	14.63367	22.78994	0.325046	0.414402	-0.37826	0.392288	-0.37094	0.959534
AT1G06670	NIH	562.3516	501.3731	382.4333	285.804	292.1481	359.8595	361.0572	359.2703	241.1328	422.1957	396.4395	393.6445	-0.61302	0.001941	-0.5733	0.005127	-0.24723	0.482584
AT1G06680	PSBP1	37326.83	43740.79	42410.18	17749.95	16794.87	15946.46	20157.84	19643.35	26412.34	41906.76	35946.95	48665.85	-1.26885	5.84E-18	-0.88427	0.405E-09	0.034606	0.931611
AT1G06690	AT1G06690	317.4374	342.5752	305.1741	222.7044	235.8383	216.3144	348.607	331.2192	384.6409	400.1264	379.1452	350.1364	-0.50446	0.000214	0.14425	0.382914	0.28355	0.30711
AT1G06700	PT11	703.8311	856.4381	764.8667	808.7469	769.787	743.6432	793.2587	822.1141	672.6335	774.3453	818.1554	755.1759	0.003502	0.984711	-0.01958	0.915695	0.016568	0.962641
AT1G06710	AT1G06710	72.52314	92.78079	88.84815	50.3147	43.72284	62.80097	72.03358	80.91675	71.23987	76.76285	94.45371	74.58527	-0.6592	0.032984	-0.43179	2.21075	-0.04369	0.957254
AT1G06720	AT1G06720	140.1719	355.065	348.9543	265.5956	289.4982	292.0743	348.607	334.4559	278.2301	305.1323	313.9588	269.3357	-0.396	0.00892	-0.21221	0.219826	-0.32629	0.151208
AT1G06730	AT1G06730	127.2127	114.1917	112.0259	87.01969	108.6446	107.6588	98.71269	88.46897	135.6982	115.1443	123.7211	122.237	-0.22828	0.340646	-0.12772	0.64778	0.02563	0.963536
AT1G06740	AT1G06740	47.55616	35.68492	46.35556	28.45667	17.88662	16.94629	28.85771	31.28781	15.52492	43.1791	26.60668	20.00538	-0.92302	0.006619	-0.66582	0.007387	-0.35906	0.565684
AT1G06750	AT1G06750	4.755616	1.784246	0	2.474493	1.987402	1.993682	3.535821	2.15778	2.928738	2.878607	5.321336	2.071813	-0.05691	0.947998	0.357093	0.65596	0.302198	NA
AT1G06760	AT1G06760	1224.571	1379.222	1309.544	1707.813	1485.914	1542.113	1225.46	1342.139	1532.706	1369.257	1229.229	1274.165	0.274701	0.034699	0.067641	0.682329	-0.0129	0.971051
AT1G06770	DRIP1	80.84547	74.98383	73.3963	108.8777	110.632	92.70619	102.2699	87.39009	81.02842	65.24842	43.90102	58.01077	0.439907	0.05438	0.232556	0.391843	-0.4237	0.264008
AT1G06780	GAUT6	117.7015	121.3287	105.5877	150.5317	129.1811	150.523	168.9677	153.2024	114.2208	104.5894	111.7481	95.3034	0.314916	0.146565	0.335986	0.142316	-0.14122	0.747104
AT1G06790	AT1G06790	47.55616	32.11643	46.35556	82.89553	104.0074	102.7646	55.13682	48.55005	73.9147	60.45074	43.90102	65.26211	1.112748	2.04E-05	0.44621	0.152377	0.390796	0.421848
AT1G06800	LA-[gamma]	40.42273	32.11643	39.91728	58.56301	35.11077	53.8294	33.79353	64.7334	43.91307	39.34096	25.27635	32.1131	0.357451	0.328538	0.295948	0.465047	-0.19723	0.786409
AT1G06810	AT1G06810	1.188904	0	0	1.237247	1.324935	0.996841	1.778607	1.07889	0	0	0	1.035907	0.390086	NA	0.251983	NA	-0.0632	NA
AT1G06820	CRISO	315.0595	278.3424	285.8593	237.9638	194.1029	255.1912	279.2413	250.3025	175.7243	309.93	284.6915	305.5924	-0.35194	0.1078037	-0.31174	0.145433	0.032371	0.949285
AT1G06830	GRXS11	32.10041	33.90067	33.47901	43.30364	41.07297	25.91786	48.02239	34.52448	53.69353	45.09817	54.54369	47.6517	-0.169495	0.651592	0.430184	0.223335	0.524095	0.290109
AT1G06840	AT1G06840	219.9472	221.2465	173.8333	157.5427	160.3171	177.3747	231.2189	291.3003	199.1542	161.202	175.6041	155.386	-0.30746	0.123839	0.226613	0.297617	-0.31328	0.311768
AT1G06850	AtbZP52	110.5681	94.56504	90.1358	65.16166	88.10815	74.76306	82.70522	83.07453	91.76712	109.3871	142.3457	92.19568	-0.37207	0.128352	-0.19436	0.497426	0.199192	0.652681
AT1G06860	AT1G06860	0	0	0	0	0	0	0	0	0	0	0	0	0.00909	NA	0	NA	0.172362	NA
AT1G06870	TPP2	116.5126	148.0924	101.7247	165.7911	186.1533	159.4945	183.1965	167.2279	155.2231	124.7396	117.0694	134.6678	0.488498	0.009655	0.471263	0.017832	0.057031	0.903731
AT1G06880	AT1G06880	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G06890	AT1G06890	517.1732	497.4006	484.158	653.2663	626.0316	743.6432	674.092	624.6773	560.3652	520.0683	625.257	520.0251	0.423619	0.002328	0.306435	0.041589	0.14603	0.579215
AT1G06900	AT1G06900	506.4731	412.1608	424.9259	255.2852	262.337	276.1249	393.0721	359.2703	268.4676	404.924	404.4215	456.8348	-0.75092	3.73E-06	-0.39142	0.028444	-0.08644	0.814993
AT1G06910	TRFL7	70.14533	73.15409	82.40988	72.99756	66.24673	68.78201	69.36567	69.04896	75.17094	74.84378	75.82904	60.08258	-0.10988	0.687035	-0.07751	0.803953	-0.09975	0.850046
AT1G06920	OPF4	0	1.784246	0	0	0.662467	0	0	0	0	0	0	0	-0.12017	NA	-0.24312	NA	-0.23848	NA
AT1G06923	AT1G06923	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G06925	AT1G06925	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G06930	AT1G06930	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G06950	TIC10	1778.6	1372.085	1381.653	814.1083	911.555	1003.819	1218.346	1375.585	1109.992	1388.448	1395.52	1482.382	-0.72489	4.11E-07	-0.2888	0.07515	-0.08735	0.783036
AT1G06960	AT1G06960	162.8798	146.3082	154.5185	152.5938	175.5538	144.5419	181.4179	142.4135	173.7718	148.728	131.7031	231.0072	0.025487	0.934451	0.097618	0.745321	0.138754	0.768975
AT1G06970	CHK14	0	0	0	0.412416	0.662467	0	0.889303	0	0.972646	0	0	0.271813	0.18143	NA	0.321425	NA	0.35261	NA
AT1G06980	AT1G06980	22.58917	19.62671	28.3284	82.84831	2.649869	2.990522	3.557214	2.15778	5.874766	18.23118	27.93701	23.82585	-2.81265	1.32E-09	-2.11421	8.01E-06	-0.01694	NA
AT1G06990	AT1G06990	0	1.784246	0	0.412416	0.662467	0	0.889303	0	0	1.919071	0	1.035907	-0.08744	NA	-0.1148	NA	0.258179	NA
AT1G07000	ATEXO70B2	198.547	264.0684	251.0926	545.2134	439.8783	598.1045	375.2861	486.5794	400.2609	117.0633	91.79304	116.0215	1.128774	1.94E-10	0.808071	1.29E-05	-1.08661	7.82E-07
AT1G07010	AT1G07010	481.5061	478.1779	473.8568	411.1783	381.5811	347.8974	294.3595	315.0359	278.2301	593.9526	623.9266	545.9227	-0.31958	0.014926	-0.68451	8.78E-08	0.294719	0.114482
AT1G07020	AT1G07020	30.9115	32.11643	42.49259	70.52306	64.25933	65.79149	61.36194	33.44559	77.12343	30.70514	25.27635	43.50807	0.861357	0.007672	0.653134	0.064253	-0.07438	0.931744
AT1G07025	AT1G07025	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT1G07030	AT1G07030	124.8349	126.6815	119.7519	132.7978	147.0677	133.5767	129.8383	119.7568	132.7695	82.52006	77.15937	101.5188	0.154299	0.467732	0.044			

ATI07490	RTFL3	4.755616	0	1.287654	0.824831	1.324935	0	0	0	0.976246	0.959536	5.321336	1.035907	-0.54827	0.430098	-0.74598	0.271222	0.06741	NA	
ATI07500	ATI07500	0	0	2.575309	0.824831	1.324935	0.996841	0	0.889303	0	0.976246	0	0	1.035907	0.097781	NA	-0.12218	NA	-0.269	NA
ATI07510	FTSH10	233.0252	228.3835	197.0111	163.729	163.6294	173.4503	176.0821	197.4369	182.558	165.0401	195.5591	177.14	-0.39031	0.014079	-0.23979	0.18362	-0.29092	0.251311	
ATI07520	SCL31	83.22328	107.0548	72.10864	100.217	86.78321	128.5925	129.8383	157.5179	164.0093	79.64146	82.48071	71.47755	0.258754	0.311078	0.771229	0.000715	-0.14847	0.768192	
ATI07530	SCL14	435.1388	401.4554	333.5025	307.2496	288.1733	353.8785	375.2861	469.3171	344.6148	331.9993	325.9318	285.9102	-0.29968	0.101723	0.021639	0.930978	-0.30409	0.274581	
ATI07540	TRPS	0	1.784246	0	0	0	0	0	1.07889	0	0	1.330334	2.071813	-0.34462	NA	-0.0863	NA	0.280374	NA	
ATI07550	ATI07550	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.065109	NA	0	NA	0.150531	NA	
ATI07560	ATI07560	1.188904	0	0	0.412416	1.324935	0.996841	0	1.07889	0	0	0	0	0.254747	NA	-0.06294	NA	-0.04861	NA	
ATI07570	APK1A	93.92341	108.839	127.4778	91.14384	90.09555	112.643	79.14801	75.5223	59.55101	112.2657	78.4897	120.1652	-0.17113	0.526673	-0.59849	0.016114	-0.0718	0.896855	
ATI07580	ATI07580	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
ATI07590	ATI07590	1225.76	947.4346	1165.327	3136.833	3142.082	1863.095	2265.945	1423.056	4275.957	1063.165	1234.55	1798.334	1.132964	0.005175	1.104635	0.007691	0.258115	0.757485	
ATI07600	MT1A	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
ATI07610	MT1C	38.04493	28.54794	37.34198	170.74	185.4908	131.583	127.1704	93.86342	189.3917	47.01725	71.83803	79.7648	2.067578	6.77E-13	1.825266	5.21E-10	0.828352	0.059515	
ATI07615	ATOBGM	53.50068	57.09587	52.79383	56.08852	51.67245	55.82308	52.46891	53.9445	72.2422	40.3005	39.91002	42.47217	0.007533	0.982718	0.128582	0.701759	-0.38723	0.391657	
ATI07620	TRM32	53.50068	37.46917	46.35556	144.3455	143.0929	160.4914	108.495	98.17898	81.02823	17.27164	15.96401	22.78994	1.627826	3.47E-13	1.007104	3.37E-05	-1.19281	0.000761	
ATI07630	PLLS	186.6579	190.9143	186.7099	341.8925	355.0825	323.9733	328.153	264.328	232.3465	135.2945	147.6671	139.8474	0.843561	1.2E-07	0.540701	0.001695	-0.4091	0.117114	
ATI07640	DOF1.1	165.2576	178.4246	175.121	198.3719	180.1911	196.3776	141.3993	187.7268	171.8193	159.2829	156.9794	145.0269	0.149233	0.442983	-0.05121	0.831607	-0.16381	0.621592	
ATI07645	ATDSI-1VOC	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
ATI07650	ATI07650	959.4455	1074.116	981.1926	1060.32	1008.938	1338.757	904.4216	947.2654	700.9446	677.4322	630.5783	797.0649	0.172948	0.365088	-0.23469	0.224729	-0.50581	0.021612	
ATI07660	ATI07660	208.0582	221.2465	230.4901	409.5287	372.9691	324.9701	233.8868	212.5413	410.0233	297.456	284.6915	261.0484	0.724319	0.001491	0.363246	0.163001	0.341047	0.379696	
ATI07670	ECA4	482.695	401.4554	387.584	438.3978	361.7071	485.4615	369.9502	473.6327	304.5888	338.7161	308.6375	355.3159	0.011523	0.965336	-0.14736	0.536429	-0.33501	0.274581	
ATI07680	ATI07680	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
ATI07690	ATI07690	0	0	1.287654	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA	
ATI07700	ATI07700	620.6079	661.9553	728.8124	794.7248	785.6862	735.6685	594.0547	596.6261	589.6526	732.1257	746.3174	718.9191	0.204372	0.077298	-0.17452	0.168604	0.12623	0.533947	
ATI07702	ATI07702	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
ATI07705	ATI07705	205.6804	174.8561	207.3123	194.2477	201.3901	193.3871	192.9789	207.1469	154.2469	172.7164	159.6401	171.9605	-0.00394	0.986682	-0.09154	0.67944	-0.22152	0.463808	
ATI07710	ATI07710	10.70014	7.136984	14.1642	3.71174	6.624673	2.990522	7.114428	2.15778	4.88123	4.797678	5.321336	9.323159	-0.87351	0.083749	-0.88349	0.146802	-0.56761	NA	
ATI07720	KCS3	343.5932	390.7499	360.5432	251.9859	280.2237	339.9227	287.245	304.247	375.8547	356.9473	429.6979	316.9874	-0.32639	0.087223	-0.17247	0.433995	0.010537	0.984303	
ATI07725	ATEX07H6	0	0	0.412416	1.324935	0	0	1.07889	1.952492	0	0	0	0	0.304628	NA	0.848548	NA	0.16846	NA	
ATI07728	ATI07728	2.377808	1.784246	0	0.24831	2.649869	0.996841	0	1.952492	0	0	0	0	0.099562	0.897221	-0.30138	0.672129	-0.64918	NA	
ATI07730	DIR25	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA	
ATI07740	ATI07740	22.58917	28.54794	12.87654	26.3946	16.56168	24.92102	27.56841	30.20892	17.57243	15.35257	34.58868	22.78994	0.098235	0.850747	0.227769	0.662477	0.15951	0.866061	
ATI07745	RA05D1	85.25629	83.85956	82.40988	87.84452	73.53387	73.76622	88.93035	60.41784	54.66978	66.20796	90.46271	80.80071	0.083336	0.802249	-0.11495	0.745067	0.080414	0.897378	
ATI07747	ATI07747	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA	
ATI07750	ATI07750	206.8693	140.9554	119.7519	107.6405	133.8184	124.6051	81.81592	101.4157	124.9595	111.3061	95.78405	116.0215	-0.35025	0.17258	-0.58629	0.021421	-0.51475	0.15612	
ATI07760	ATI07760	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
ATI07770	RPS15AA	2210.172	2430.143	2633.253	3395.83	3053.312	2387.434	2230.373	2004.578	3452.982	2642.561	2793.701	2899.502	0.27379	0.222853	0.077848	0.780446	0.911229	0.620268	
ATI07780	PAI1	123.646	124.8972	113.3136	128.2612	115.2693	122.6114	160.0746	170.4646	147.4131	154.4852	107.7571	124.3088	0.020552	0.930866	0.393195	0.056911	0.104941	0.805405	
ATI07790	HTB1	313.8706	333.654	320.6259	567.8962	532.6237	413.6889	337.9353	312.8781	410.0233	483.606	565.3919	411.2549	0.637189	0.003366	0.130288	0.575317	0.578536	0.012866	
ATI07795	ATI07795	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA	
ATI07800	ATI07800	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
ATI07810	ECA1	431.5721	371.1232	294.8728	259.8218	194.7654	285.0965	287.245	366.8226	212.8216	264.8318	259.4151	285.9102	-0.55297	0.015509	-0.33077	0.19506	-0.42306	0.226435	
ATI07820	ATI07820	360.2379	387.1814	405.6111	686.2595	582.9712	461.5373	402.8545	377.6115	701.9209	497.0395	505.5269	556.2818	0.568182	0.015946	0.349645	0.18296	0.419534	0.249951	
ATI07830	ATI07830	180.7134	183.7773	176.4086	216.9306	255.0499	222.2955	197.8662	159.6757	282.3151	208.2192	275.3791	160.5655	0.346817	0.178364	0.22538	0.438565	0.237359	0.595848	
ATI07840	ATI07840	89.1678	96.34929	103.0123	135.2723	142.4935	116.6304	102.2699	110.0468	136.6744	94.03449	85.14137	123.2799	0.409964	0.064572	0.265965	0.292635	0.072645	0.889374	
ATI07850	ATI07850	0	1.784246	1.287654	0.824831	0	0.996841	0.889303	1.07889	0	0	1.330334	1.035907	-0.18264	NA	-0.14127	NA	-0.08896	NA	
ATI07860	ATI07860	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
ATI07870	ATI07870	71.33424	73.15409	68.62963	122.4874	90.75802	130.5861	115.6095	119.7568	112.2683	74.84378	65.18636	65.26211	0.878173	0.000339	0.895207	0.000378	0.168933	0.757455	
ATI07880	MPK13	65.38972	42.8219	79.83457	37.1174	47.69764	55.82308	61.36194	43.1556	46.85981	80.60099	73.16837	85.98024	-0.44542	0.12937	-0.31096	0.34909	0.317435	0.519205	
ATI07885	ATI07885	1.188904	0	0	0.412416	0	0	0	0	0.995936	0	0	0	-0.13119	NA	-0.21727	NA	-0.03277	NA	
ATI07890	APX1	2763.013	2861.931	2881.77	4421.486	4129.821	4087.047	3138.352	3725.407	5221.94	3075.312	2567.545	2692.321	0.537397	0.001894	0.496557	0.005246	-0.02848	0.951197	
ATI07900	LD01	1.188904	3.568492	9.01358	30.10634	36.4357	29.90522	35.57214	18.34113	41.00233	1.919071	1.330334	2.071813	2.278766	7.51E-07	2.250929	1.53E-06	-0.72641	0.456209	
ATI07901	ATI07901	4.755616	1.784246	3.862963	4.536571	9.274542	5.981045	7.114428	8.63112	3.904984	1.919071	7.982004	5.179533	0.570389	0.382524	0.562763	0.421512	0.254023	NA	
ATI07910	ATRNL	191.4135	178.4246	189.2852	106.8156	88.10815	138.5609	112.9415	180.1746	93.71962	136.2541	163.6311	169.8887	-0.72643	0.003278	-0.51565	0.053871	-0.24406	0.597213	
ATI07920	A3	3865.127	3300.855	3207.547	2742.976	2777.725	2829.034	2350.429	2772.747	3179.633	2792.249	2461.118	2847.707	-0.30964	0.031961	-0.31772	0.032344	-0.35211	0.071328	
ATI07930	A3	3752.181	3332.972	3271.973	2773.907	2685.642	2805.11	2229.484	2859.058	3158.156	2813.358	2486.394	2759.655	-0.32163	0.028339	-0.3				

AT1G08340	ROPGAPS	27.34479	8.92123	12.87654	11.13522	10.59948	8.971567	12.45025	7.55223	13.66744	12.47396	22.61568	16.5745	-0.60156	0.220098	-0.48968	0.368505	0.007283	NA
AT1G08350	TMNS	102.2457	110.6233	101.7247	122.075	127.1937	119.6209	111.1629	91.70564	105.4346	110.3466	102.4357	126.3806	0.230914	0.266898	-0.01998	0.943691	0.115187	0.912185
AT1G08360	RP10A0A	2426.555	2619.273	2854.73	3236.637	3424.956	2645.615	2655.46	2455.554	3236.255	2553.324	2161.793	2939.903	0.232742	0.200585	0.078037	0.752227	-0.04416	0.874556
AT1G08370	DCP1	240.1586	194.4828	195.7235	240.4383	241.1381	235.2544	228.551	230.8824	193.2967	227.4099	232.8084	172.9964	0.177048	0.365337	0.043231	0.861168	-0.00232	0.996222
AT1G08380	PSAO	12991.15	16283.03	15523.96	9887.663	9530.254	7390.578	7643.563	6943.736	12288.01	15135.71	14362.29	1908.705	-0.71802	0.00068	-0.71467	0.000854	0.079295	0.874236
AT1G08390	AT1G08390	45.17835	57.09587	69.53333	54.43886	54.32232	32.89575	42.68657	30.20892	39.04984	77.72239	95.78405	59.04667	-0.23477	0.497517	-0.56865	0.089503	0.409348	0.412412
AT1G08400	MAGZL	80.84547	69.5856	55.36914	59.38784	59.62205	53.8294	63.14055	52.86561	42.95482	64.28889	65.18636	60.08258	-0.23662	0.39789	-0.3547	0.221225	-0.11672	0.83843
AT1G08410	LSG1-2	154.5575	144.5239	127.4778	122.075	132.4935	128.5925	118.2754	104.2557	123.007	133.3755	99.77505	113.9497	-0.15426	0.475615	-0.16024	0.491057	-0.28115	0.383145
AT1G08420	BSL2	479.1283	388.9656	327.0642	282.9171	235.1759	317.9922	304.1418	349.5603	258.7052	289.7798	276.7095	269.3357	-0.50854	0.0073	-0.38307	0.060548	-0.50496	0.051388
AT1G08430	ALMT1	4.755616	0	0	0.412416	0	0.996841	1.778607	0	0	1.919071	2.660668	4.143626	-0.58913	0.381975	-0.43657	0.547784	0.369059	NA
AT1G08440	ALMT2	11.88904	1.784246	10.30123	2.474493	1.987402	1.993682	3.557214	1.07889	2.928738	5.959536	17.29434	8.287252	-1.329	0.023259	-1.13939	0.069475	0.386798	NA
AT1G08450	CRT3	1417.174	1778.893	1444.748	4137.765	3870.134	4222.618	2337.979	2462.027	2291.249	1094.83	1066.928	947.8545	1.387304	4.89E-35	0.608199	2.91E-07	-0.56901	5.59E-05
AT1G08460	HDA8	203.3026	267.6369	222.7642	308.4868	276.9113	275.1281	253.4515	319.3514	285.0638	219.7337	215.5141	216.5045	0.32051	0.054331	0.309201	0.080048	-0.07757	0.836799
AT1G08465	YAB2	160.502	187.3458	172.5457	224.3541	185.4908	229.2734	222.3259	198.5157	199.1542	160.2424	180.9254	180.2477	0.296375	0.091986	0.255968	0.182288	0.060209	0.990348
AT1G08470	SSL3	120.0793	108.839	114.6012	151.7689	123.2189	105.6651	83.59453	108.9679	144.4844	104.5894	138.3547	138.8115	0.151513	0.000332	-0.03194	0.527543	0.139154	0.788744
AT1G08480	SDH6	261.5589	303.3218	361.8309	565.0093	561.7722	506.3951	333.4888	348.4815	630.6549	363.664	256.7545	335.6337	0.786587	0.001077	0.482191	0.067699	0.045649	0.943411
AT1G08490	NFS2	412.5497	533.4868	448.1037	398.3934	425.304	449.5752	576.2687	562.1017	502.7667	411.6408	329.9228	464.0861	-0.12607	0.508932	0.236866	0.196797	-0.19665	0.50127
AT1G08500	ENODL18	13.07794	12.48972	23.17778	42.4788	44.85784	58.29712	44.85784	58.29712	44.85784	58.29712	44.85784	58.29712	1.412072	2.81E-05	1.699462	4.24E-07	0.237161	0.766462
AT1G08510	FATB	1320.872	1252.541	1201.382	988.9725	867.8321	1093.534	723.0037	870.6642	949.8874	1226.287	1305.058	1050.409	-0.35174	0.022521	-0.56184	0.00018	-0.07551	0.820724
AT1G08520	CHLD	2921.137	3086.746	2910.099	1644.713	1509.1	1718.554	1729.695	1998.104	1828.509	2836.387	2825.629	2723.398	-0.86645	3.75E-20	-0.678	1.57E-12	-0.08771	0.654266
AT1G08530	AT1G08530	84.41218	130.25	113.3136	104.2213	121.894	103.6714	113.8308	101.4157	101.5296	137.2136	134.3637	111.8779	-0.182063	0.465866	-0.03156	0.920268	0.232905	0.561688
AT1G08540	SIGB	114.1234	114.27	112.2059	692.4457	568.3969	600.0981	779.9122	919.2142	825.9041	1056.449	1085.553	1151.928	0.82063	8.56E-14	-0.42646	0.000525	-0.04564	0.873894
AT1G08550	VDE1	1376.751	1546.941	1408.694	984.8484	965.2148	954.9735	1671.891	1636.676	1899.775	1592.829	1523.232	1534.178	-0.56981	1.69E-08	0.265892	0.015864	0.103725	0.600891
AT1G08560	KN	287.7148	258.7157	294.8728	474.6903	495.5255	422.6605	362.8358	371.1381	506.9353	374.2189	420.3855	364.6391	0.710557	4.59E-05	0.578701	0.001521	0.446869	0.080079
AT1G08570	ACHT4	60.98632	692.2875	709.4975	612.0427	628.6814	641.9655	706.9953	754.1441	705.8259	697.5824	854.0744	628.7993	-0.078052	0.599021	0.111325	0.525504	0.174442	0.671946
AT1G08580	AT1G08580	145.0463	135.6027	144.2163	227.241	259.6872	175.444	165.1044	118.6779	211.8454	151.6066	154.3187	159.5296	0.623312	0.005693	0.212521	0.437165	0.124205	0.80346
AT1G08590	PXL1	33.28931	30.33218	24.64523	90.73143	6.624673	15.94945	12.45025	20.49891	8.574476	22.06932	10.64267	22.78994	-1.31695	0.002348	-1.02824	0.026829	-0.59592	0.458715
AT1G08592	AT1G08592													#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G08600	ATRX	337.6487	249.7944	265.2568	219.4051	197.4152	273.1344	241.0012	284.8269	158.1519	239.8839	271.3881	240.3303	-0.30444	0.212744	-0.31276	0.224235	-0.1816	0.681964
AT1G08610	AT1G08610	105.8125	67.80135	114.6012	80.42104	62.27192	79.74726	72.03358	75.5223	80.05217	83.4796	61.19536	95.3034	-0.3761	0.152597	-0.34465	0.22772	-0.26053	0.571976
AT1G08620	JM16	348.3489	255.1472	242.079	213.6313	183.5034	252.2007	242.7799	283.7481	188.4155	232.2076	231.4781	249.6535	-0.37954	0.080412	-0.24085	0.323156	-0.2422	0.518301
AT1G08630	THA1	13.07794	10.70548	15.45185	14.43455	13.91181	6.977885	19.56648	21.5778	12.6912	23.98839	15.96401	13.46678	-0.10754	0.851623	-0.735392	0.483789	0.376865	NA
AT1G08640	CD1	733.5537	747.5991	847.2766	679.6067	618.1145	594.1171	853.7131	645.1762	757.5669	790.6574	826.1374	906.4182	-0.22035	0.164869	-0.04088	0.831127	0.131761	0.697709
AT1G08650	PPK1	479.1283	453.1985	445.5286	760.9609	693.6032	553.2466	607.3943	528.6561	697.0367	327.2016	340.5655	407.1113	0.536711	0.002429	0.04349	0.024259	-0.35119	0.181131
AT1G08660	MGP2	263.9367	258.7157	274.2704	250.7487	231.2011	253.1976	258.7873	231.9613	233.3228	271.5486	324.6015	251.7253	-0.11674	0.510457	-0.13609	0.468486	0.080943	0.806946
AT1G08670	AT1G08670													0.098893	NA	0	NA	0.150283	NA
AT1G08680	AGD14	448.2168	421.0821	366.9815	296.9392	274.9239	333.9417	401.0759	373.2959	262.6102	365.5831	373.8238	362.5673	-0.44272	0.013931	-0.24773	0.224232	-0.16266	0.630253
AT1G08695	SCR13	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G08700	PS1	260.37	237.3047	213.7506	241.2631	225.2389	215.3176	164.5211	199.5946	229.4178	189.9881	183.5861	188.535	-0.05634	0.79437	-0.25968	0.179862	-0.3333	0.211414
AT1G08710	SKIP24	65.38972	99.91778	82.40988	119.1881	118.5816	114.6367	100.4913	108.9679	113.2445	86.35821	85.14137	88.05205	0.519685	0.011286	0.390968	0.085794	0.087452	0.860565
AT1G08720	EDR1	290.0922	315.8115	262.6815	283.7419	251.0751	315.0017	345.0498	358.1915	212.109	301.2942	270.0578	283.8384	-0.03073	0.901307	-0.122558	0.596599	-0.16922	0.974426
AT1G08730	XI-C	8.322328	7.136984	9.01358	4.124156	1.324935	2.990522	5.335821	6.47334	1.952492	12.47396	14.63367	11.39497	-1.09517	0.052597	-0.62828	0.32768	0.538446	NA
AT1G08735	AT1G08735	1.188904	0	0	0	0	0	0	1.07889	0	0.995936	0	1.035907	-0.2953	NA	-0.04294	NA	0.138959	NA
AT1G08740	AT1G08740	0	0	1.287654	0.412416	0	0	1.778607	0	0	0	1.330334	0	-0.16388	NA	0.083999	NA	-0.01814	NA
AT1G08750	AT1G08750	107.0014	146.3082	142.9296	142.2834	147.7302	152.5166	175.1928	160.7546	121.0545	143.9303	141.0154	160.5655	0.161222	0.490599	0.210636	0.382872	0.175258	0.65505
AT1G08760	AT1G08760	192.6024	183.7773	137.779	134.8599	95.39529	156.504	160.0746	144.5713	140.5794	146.809	159.6401	155.386	-0.40399	0.070331	-0.19805	0.448373	-0.14948	0.735019
AT1G08770	PRA1E	98.67903	149.8767	146.7926	143.933	190.1281	166.4724	146.7351	139.1768	187.4392	129.5373	115.7391	146.0628	0.335881	0.152653	0.261915	0.312122	-0.00077	0.998453
AT1G08780	AIP3	101.0568	105.2705	97.86173	179.8132	161.642	133.5767	116.4988	107.889	188.4155	128.5778	127.7121	116.0215	0.629779	0.007973	0.425631	0.106007	0.28054	0.519335
AT1G08790	AT1G08790													#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G08800	MYOB1	297.226	312.2431	248.5173	187.6491	200.7276	266.1565	316.592	316.1148	247.9665	241.803	271.3881	252.7612	-0.39063	0.041352	0.040084	0.879133	-0.15878	0.669095
AT1G08810	MYB60	104.6235	117.7602	146.7926	125.2063	112.643	122.7239	134.8612	115.197	142.0113	187.5771	134.6678		-0.10918	0.671589	0.011506	0.969758		

ATI09300	ATI09300	92.73451	83.85956	83.69753	117.126	155.0173	127.5956	103.1592	129.4668	104.4583	106.5085	71.83803	80.80071	0.593017	0.008238	0.352777	0.16939	0.000442	0.999221
ATI09310	ATI09310	3901.983	6073.573	5454.504	2687.3	2442.517	2524.998	1410.435	1767.222	2258.057	6753.212	6437.486	5608.398	-0.98461	1.95-07	-1.46563	2.08E-15	0.27817	0.405199
ATI09320	ATI09320	63.01191	66.0171	55.36914	69.28582	68.8966	71.77254	74.70149	63.65451	92.74337	47.01725	34.58868	58.01077	0.183348	0.534201	0.32074	0.27308	-0.36156	0.430837
ATI09330	ECH	293.6593	303.3218	333.5025	444.584	545.2106	369.8279	399.2973	342.0081	427.5957	363.664	349.8778	380.1777	0.539665	0.001598	0.322922	0.089795	0.228649	0.453276
ATI09340	CSP41B	3702.247	3845.05	3768.964	1716.886	1440.866	1439.438	2426.02	2664.858	4245.694	3669.264	2954.672	4324.91	-1.26042	2.36E-10	-0.26926	0.266831	-0.04587	0.931833
ATI09350	GOL53	24.96698	30.33218	28.3284	11.54764	0.0	0.662467	0.0	0.0	0.0	0.0	0.0	0.0	-1.54448	0.000169	-1.66872	0.000143	-0.51376	NA
ATI09360	ATI09360	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATI09370	ATI09370	0	1.784246	1.287654	0.0	0.0	0.0	0.0	1.07889	0.0	0.0	0.0	0.0	-0.37911	NA	-0.28484	NA	-0.28118	NA
ATI09380	ATI09380	0	0	1.287654	7.011065	7.949607	7.974726	4.446517	2.15778	2.928738	0.0	0.0	0.0	1.953263	0.001256	0.9897	0.151824	-0.13294	NA
ATI09390	ATI09390	215.1916	162.3664	172.5457	118.3633	90.9555	110.6493	66.69776	70.12785	51.74104	157.3638	158.3097	169.8887	-0.76917	5.99E-05	-1.50532	4.87E-14	-0.18218	0.626348
ATI09400	ATI09400	8.322328	12.48972	3.862963	5.773818	7.28714	6.977885	3.557214	6.47334	3.904984	10.55489	6.65167	5.179533	-0.20016	0.767663	-0.58143	0.373495	-0.05356	NA
ATI09410	PCMP-H18	11.88904	7.136984	9.01358	11.13522	9.274542	11.96209	19.56468	15.10446	13.66744	6.638812	6.65167	9.323159	0.135018	0.821944	0.651239	0.211467	-0.16845	NA
ATI09415	NIMIN-3	158.1242	169.5034	167.3951	339.418	371.6441	262.1691	317.4813	256.7758	480.313	127.6182	188.9074	180.2477	0.039715	9.07E-05	1.048433	1.32E-05	0.000892	0.998453
ATI09420	G6PD4	34.47821	51.74313	47.64321	85.37002	84.13334	95.69671	67.58706	52.86561	36.1211	38.38143	38.57969	51.79533	0.950508	0.000547	0.231221	0.522629	-0.03483	0.965712
ATI09421	ATI09421	0	0	0	0	0	0.662467	0.996841	0.889303	0.0	0.0	0.0	0.0	0.275488	NA	0.154887	NA	0	NA
ATI09430	ACLA-3	1053.369	1159.76	1130.561	1163.012	1203.703	1279.944	1166.766	1172.753	1165.638	937.4663	956.5101	1015.188	0.124085	0.260413	0.069362	0.584836	-0.19761	0.205371
ATI09440	ATI09440	105.8125	165.9349	133.9161	68.8734	66.90919	58.81361	71.14428	102.945	61.5035	162.1615	121.0604	129.4883	-0.99663	2.54E-05	-0.74811	0.002899	0.042256	0.947214
ATI09450	ATI09450	45.17835	26.76369	32.19136	40.82914	45.04777	31.8989	40.1886	33.44559	17.57243	55.65307	21.28534	49.72351	-0.153812	0.744238	-0.18799	0.707733	0.252786	0.739252
ATI09460	ATI09460	24.96698	26.76369	21.89012	23.9201	29.14856	29.90522	23.12189	19.42002	12.6912	22.06932	15.96401	21.85404	0.156129	0.722215	-0.36282	0.415553	-0.2496	0.744091
ATI09470	ATI09470	72.52314	41.03766	59.2321	80.83345	85.45828	79.74726	69.36567	76.60119	66.38473	79.64146	75.82904	72.75052	0.461413	0.055432	0.251988	0.379148	0.417543	0.27328
ATI09480	ATI09480	7.133244	14.27397	15.45185	67.22374	62.93439	59.81045	128.5977	106.8101	101.5296	12.47396	17.29434	15.40269	2.174973	6.85E-12	2.96751	1.06E-21	0.201717	0.81058
ATI09483	ATI09483	4.755616	1.784246	0.0	4.124156	3.974804	3.987363	4.315524	4.13556	2.928738	2.878607	6.65167	1.035907	0.475291	0.508949	0.354254	0.665543	0.297712	NA
ATI09486	ATI09486	4.755616	10.70548	19.31482	25.56977	21.19895	13.95577	12.45025	11.86779	15.61994	30.70514	11.97301	21.75404	0.701366	0.151529	0.15597	0.810984	0.764428	0.304878
ATI09490	ATI09490	351.9156	396.1026	433.9395	322.9214	309.3722	305.0333	434.8694	358.1915	337.7811	484.5655	573.3739	514.8455	-0.32667	0.038235	-0.05993	0.774078	0.405063	0.049411
ATI09500	ATI09500	32.10041	21.41095	55.36914	288.6909	332.5586	488.452	643.8557	471.4749	430.5245	75.80331	70.5077	70.44164	3.104273	1.67E-31	3.569389	2.78E-41	0.867675	0.031113
ATI09510	ATI09510	1.188904	0.0	0.0	5.773818	6.624673	11.96209	8.003731	5.39445	4.88123	0.99536	1.330334	0.0	1.901326	0.005115	1.058668	0.012291	0.039402	NA
ATI09520	ATI09520	108.1903	105.2705	91.42346	119.1881	133.1559	117.6272	119.8843	81.99564	59.3396	83.4796	77.15937	108.7702	0.274251	0.231516	-1.53563	0.31542	-0.16555	0.709273
ATI09530	PIF3	159.3131	140.9554	169.9704	127.4364	115.9318	144.5419	138.7313	134.8612	97.6246	143.9303	125.0514	145.0269	-0.28351	0.177511	-0.33782	0.125399	-0.18045	0.632849
ATI09540	MYB61	7.133244	1.784246	1.287654	5.361402	1.987402	1.936822	2.66791	5.39445	4.88123	3.838143	0.0	0.0	-0.04987	0.954016	0.174617	0.840144	-0.61729	NA
ATI09550	PAE1	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATI09560	GLP4	205.6804	201.6198	202.1617	528.3044	506.7875	500.4141	360.1679	294.537	373.9022	164.8066	195.5591	143.991	1.313146	3.23E-19	0.743002	2.1E-06	-0.27852	0.311768
ATI09570	PHYA	1561.031	1347.106	1214.258	415.7149	459.0898	571.1898	620.7338	741.1974	490.0755	987.3622	1104.177	1084.594	-1.48334	1.83E-18	-1.13032	5.26E-11	-0.36893	0.177994
ATI09575	ATI09575	63.01191	44.60615	73.3963	32.58083	45.04777	38.87679	49.80009	26.97225	49.78855	39.34096	38.57969	49.72351	-0.62236	0.043766	-0.49005	0.149151	-0.48414	0.331363
ATI09580	ATI09580	84.41218	67.80135	64.38272	77.12171	84.13334	56.81992	63.41055	62.57562	67.36097	95.95356	107.7571	96.33913	0.019245	0.952281	-0.16777	0.578843	-0.44252	0.217892
ATI09590	RPL21A	1168.693	1293.578	1344.311	1814.629	1707.178	1377.634	1050.267	1095.073	1600.067	1483.442	2066.009	1456.485	0.355515	0.09681	-0.02257	0.938725	0.383803	0.217892
ATI09600	ATI09600	7.133244	10.70548	6.438272	4.948987	5.962205	5.981045	6.225124	3.23667	1.954297	6.762825	10.64267	6.215499	-0.38585	0.539756	-0.74456	0.240373	0.031311	NA
ATI09610	GXM1	4.755616	7.133244	7.725926	2.062078	4.637271	3.987363	5.57214	3.23667	6.833722	9.595356	5.321336	11.39497	-0.66882	0.282886	-0.36112	0.617916	0.369122	NA
ATI09620	ATI09620	1544.386	1161.544	1043	6.26871	10.67948	780.5263	754.1294	905.1887	603.32	963.3738	957.8405	970.6444	-0.87518	1.89E-06	-0.71249	0.000169	-0.36647	0.212111
ATI09625	ATI09625	0	0	0	0.412416	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.095918	NA	0	NA	0	NA
ATI09630	RABA2A	96.3012	90.99655	132.6284	143.1082	137.1307	152.5166	95.15547	107.889	109.3396	89.23681	90.46271	117.0574	-0.413648	0.05204	-0.04408	0.884334	-0.11102	0.814436
ATI09640	ATI09640	360.5203	1702.171	1693.265	1664.922	1454.116	1606.907	1406.878	1649.623	1505.317	1289.616	1210.604	1336.319	-0.17954	0.162066	-0.23093	0.076967	-0.47708	0.000759
ATI09645	ATI09645	110.5681	117.7602	117.1765	234.6645	221.2641	219.305	184.0858	176.938	251.8715	106.5085	125.0514	122.237	0.948285	2.03E-07	0.808674	2.09E-05	0.030031	0.956947
ATI09650	ATI09650	15.45575	7.136984	5.150617	12.848311	5.299738	8.971567	8.893035	6.47334	7.809968	13.4435	10.64267	14.143626	-0.26729	0.675975	-0.21909	0.757267	-0.00313	NA
ATI09660	ATI09660	266.3145	283.6951	265.2568	249.5114	239.1507	267.1533	184.0858	225.488	192.3205	316.6488	292.6735	268.2998	-0.40811	0.540165	-0.10314	0.006419	0.10863	0.721971
ATI09665	ATI09665	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATI09680	ATI09680	27.34479	28.54794	32.19136	51.55195	49.68505	49.84204	39.12935	52.86561	39.04984	28.78607	26.60668	24.86176	0.737729	0.012309	0.529011	0.111076	-0.12593	0.865221
ATI09690	RPL21A	2292.207	2346.284	2419.503	3309.635	3083.123	2496.089	2064.963	2217.119	3063.46	2661.752	3462.859	2797.984	0.326322	0.086616	0.056312	0.821618	0.330503	0.239343
ATI09700	DRB1	193.7913	196.2671	177.6963	181.8753	196.0903	178.4345	144.0672	156.439	195.2492	189.0285	192.8984	164.7091	-0.02544	0.913425	-0.1908	0.361492	-0.05356	0.898417
ATI09710	ATI09710	101.0568	105.2705	112.0259	56.08852	49.02258	68.78201	76.4801	73.36452	48.8123	104.5894	129.0424	99.44703	-0.8556	0.000196	-0.65345	0.008082	0.057656	0.920546
ATI09720	NETZB	0	1.784246	1.287654	0.0	1.324935	0.0	0.0	0.0	0.0	0.99536	0.0	1.035907	-0.23493	NA	-0.49511	NA	-0.10063	NA
ATI09730	ULP2B	355.4823	424.6506	395.3099	357.9767	346.4704	434.6226	434.8694	419.6882	344.6148	344.4733	363.1812	377.07	-0.04638	0.819987	-0.03272	0.883546	-0.11004	0.73288
ATI09740	ATI09740	84.41218	98.13353	113.3136	178.5759	19													

AT1G10210	MPK1	145.0463	133.8185	151.9432	152.5938	162.9669	193.3871	160.0746	168.3068	179.6293	108.4275	138.3547	117.0574	0.218908	0.273355	0.227369	0.285686	-0.25148	0.445542
AT1G10220	AT1G10220	0	0	2.575309	2.062078	0.662467	0	1.778607	3.23667	3.904984	1.919071	3.991002	1.035907	-0.01123	0.989892	0.699676	0.331977	0.475718	NA
AT1G10230	ASK18	82.03437	78.50683	75.97161	126.1992	157.0047	106.662	80.03731	92.78453	104.5794	74.84378	65.18636	72.51346	0.696488	0.005883	0.385644	0.181277	-0.14435	8.800274
AT1G10240	FRS11	127.2127	117.7602	144.2173	96.50524	74.19633	84.73147	94.26617	114.3623	54.66978	151.6066	155.6491	131.5601	-0.58132	0.020542	-0.54708	0.039902	0.162137	0.748154
AT1G10250	AT1G10250	3.566712	10.70548	5.150617	2.474493	3.974804	2.990522	12.45025	4.31556	0.972646	6.176749	5.321336	6.215439	-0.65895	0.318627	-0.02115	0.980084	-0.00713	NA
AT1G10260	AT1G10260	2.377808	1.784246	1.287654	0.824831	1.987402	2.990522	0	2.15778	2.928738	1.919071	2.660668	1.035907	-0.01079	0.990376	-0.06391	0.94307	0.003881	NA
AT1G10270	GRP23	107.0014	49.95889	56.65679	46.62096	49.68505	56.81992	54.24751	64.7334	47.83605	58.53167	63.85603	47.6517	-0.48441	0.116682	-0.35955	0.294093	-0.33537	0.53171
AT1G10280	AT1G10280	49.93397	58.88012	54.08148	56.91335	45.04777	46.85152	66.69776	59.33895	54.66958	52.77446	55.87403	58.01077	-0.10044	0.753112	-0.155158	0.634467	0.039128	0.955602
AT1G10290	DRP24	853.633	683.3662	612.9235	594.2908	494.2006	637.9781	698.9925	792.9841	493.9805	655.3628	690.4433	582.1795	-0.31031	0.146663	-0.11301	0.661858	-0.15479	0.695602
AT1G10300	AT1G10300	1.188904	0	0	0.824831	0.662467	1.993682	0.889303	0	2.928738	0.995936	0	0	0.319962	NA	0.38658	NA	-0.06895	NA
AT1G10310	AT1G10310	166.4466	185.5616	187.9975	284.1543	276.9113	251.2039	259.6766	223.3302	254.8002	261.9532	258.0848	207.1813	0.586357	0.000239	0.446596	0.009323	0.422628	0.069774
AT1G10320	AT1G10320	224.7028	214.1095	231.7778	208.6823	238.4882	245.2228	253.4515	229.8036	233.3228	228.3695	263.4061	215.4686	0.034987	0.864628	0.092786	0.64798	0.067669	0.852767
AT1G10330	PCMP-E71	22.58917	35.68492	29.61605	30.10634	29.14856	24.92102	24.9005	17.26224	21.47741	25.90746	30.59768	29.00538	-0.017	0.969723	-0.39506	0.328857	-0.01801	0.986603
AT1G10340	AT1G10340	59.4452	117.7602	59.2321	426.4377	387.5434	545.2719	408.1903	438.0293	305.565	36.46235	41.24035	38.32854	2.445834	1.99E-25	2.216004	8.86E-21	-0.92613	0.101511
AT1G10350	AT1G10350	127.2127	178.4246	131.3407	179.8132	200.7276	159.4945	126.2811	125.1512	147.4131	149.6876	123.7211	123.2729	0.318868	0.122221	-0.11297	0.663737	-0.11643	0.786163
AT1G10360	GSTU18	582.5629	699.4244	696.621	478.4021	498.8379	441.6005	407.301	342.0081	372.926	747.4783	772.924	641.2261	-0.4689	0.000728	-0.8028	0.406E-09	0.127677	0.631994
AT1G10370	GSTU17	216.3805	196.2671	208.6	132.3854	135.8058	127.5956	131.6169	94.94231	153.7026	245.6411	240.7904	281.7666	-0.63719	0.000452	-0.69124	0.000242	0.298918	0.31024
AT1G10380	AT1G10380	53.50068	48.17464	39.91728	15.25938	10.59948	15.94945	15.11816	19.42002	21.47741	49.89585	43.90102	37.29264	-1.63136	1.62E-07	-0.12485	0.000155	-0.09967	0.89041
AT1G10385	EX084A	1.188904	1.784246	0	0	0	0	0.889303	0	0	0	0	1.035907	-0.53742	NA	-0.29348	NA	-0.26742	NA
AT1G10390	NUP98A	740.6872	588.8012	547.2531	528.7168	496.8505	568.1992	498.8993	611.7306	461.7644	435.6292	416.3945	446.4757	-0.23547	0.174439	-0.25444	0.159436	-0.52365	0.010759
AT1G10400	UG90A2	0	1.784246	0	0.824831	1.324935	0	0.889303	4.31556	0	0.959536	0	1.035907	0.090747	0.904379	0.48006	0.476528	0.072039	NA
AT1G10410	AT1G10410	338.8376	308.6746	325.7765	609.5502	619.4069	690.8107	709.6642	618.2039	420.762	265.9914	351.2082	327.3465	0.952291	4.02E-07	0.822284	1.99E-05	-0.04724	0.925908
AT1G10417	AT1G10417	8.322328	3.568492	14.1642	22.27044	29.14856	24.92102	20.45398	18.34113	10.73871	7.676285	3.991002	11.39497	1.276498	0.00461	0.715207	0.171605	-0.1652	NA
AT1G10419	AT1G10419	0	0	0	0	0	0	0.976246	0	0	0	0	0	0.16673	NA	0.16673	NA	0	NA
AT1G10430	PP2A2	146.2352	198.0513	189.2852	193.8353	199.4026	201.3618	185.8644	179.0957	225.5128	153.5257	91.79304	161.6014	0.157497	0.532807	0.148851	0.583657	-0.36013	0.310425
AT1G10440	AT1G10440	0	0	0	0	0	0	0	0	0.976246	0	0	0	0	0	0.16673	NA	0	NA
AT1G10450	SNL6	374.5047	274.7739	352.8173	199.1967	173.5664	253.1976	286.3557	311.7992	191.3422	335.8375	325.9318	272.4434	-0.66818	0.002208	-0.33825	0.171197	-0.10284	0.836577
AT1G10455	AT1G10455	1.188904	0	0	0	0.662467	0	0	0	0	0.959536	0	0	-0.09316	NA	-0.21222	NA	-0.03317	NA
AT1G10460	GLP7	11.88904	16.05821	14.1642	5.361402	1.324935	4.984204	2.66791	1.07889	2.928738	10.55489	10.64267	6.215439	-1.42139	0.007045	-1.85269	0.00084	-0.49641	NA
AT1G10470	ARR4	1520.608	1555.863	1596.691	838.8533	976.4768	806.4442	627.8483	681.8584	908.885	1714.69	1620.347	1348.75	-0.81851	1.96E-07	-1.05549	1.31E-11	0.00329	0.993998
AT1G10480	ZFP5	2.377808	0	0.382963	2.062078	4.637271	0.996841	1.778607	0	3.904984	2.878607	2.660668	2.071813	0.130169	0.87565	-0.10088	0.90916	0.095309	NA
AT1G10490	AT1G10490	287.7148	258.7157	267.8321	207.0326	193.4404	277.1217	249.005	267.5647	164.0093	233.1672	231.4781	225.8276	-0.26752	0.237233	-0.25393	0.292635	-0.23296	0.538161
AT1G10500	ISCA	296.0371	353.2807	341.2284	374.4733	301.4226	354.8753	362.8356	431.556	458.8356	451.9413	441.6709	374.9982	0.061105	0.770793	0.336012	0.055823	0.353876	1.143656
AT1G10510	emb200	368.5602	385.3971	413.337	310.1365	264.3244	268.1502	318.3706	332.2981	282.1351	382.8547	407.0822	462.0143	-0.45771	0.001754	-0.31929	0.044961	0.09995	0.742031
AT1G10520	AT1G10520	5.94452	8.92123	16.73951	19.79595	9.937009	13.95577	10.67164	9.710009	9.76246	9.595356	10.64267	6.215439	0.420101	0.442983	-0.05853	0.934089	-0.21821	NA
AT1G10522	AT1G10522	240.1586	269.4212	276.8457	342.7173	393.5056	311.0143	284.5771	296.6947	384.6049	300.3347	337.9048	291.0897	0.409775	0.193968	0.292327	0.129508	0.235353	0.434126
AT1G10530	AT1G10530	4.755616	1.784246	3.862963	3.299325	3.974804	5.981045	2.66791	1.07889	3.904984	3.831413	1.330334	5.179533	0.174221	0.02143	-0.28698	0.724063	-0.01009	NA
AT1G10538	AT1G10538	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G10540	NAT8	9.511232	5.352738	10.30123	8.660727	13.91181	17.94313	7.114428	5.39445	8.786214	11.51443	7.982004	10.35907	0.50117	0.357629	-0.21881	0.74872	0.175563	NA
AT1G10550	XTH33	9.511232	23.1952	19.31482	10.7228	6.624673	15.94945	2.66791	8.63112	19.52492	7.676285	3.991002	11.39497	-0.50148	0.400009	-0.57266	0.359873	-0.85247	NA
AT1G10560	PUB18	29.7226	24.9794	19.31482	18.5878	17.88662	21.9305	23.12189	22.65669	11.71495	27.82653	18.62468	25.89766	-0.3216	0.443908	-0.32964	0.477538	-0.01621	0.988678
AT1G10570	ULP1C	222.325	192.6986	231.7778	227.6534	215.9643	216.3144	279.2413	230.8824	235.2753	209.1788	222.1658	239.2944	0.02367	0.91145	0.196841	0.282821	0.043583	0.911946
AT1G10580	AT1G10580	237.7808	230.1677	226.6272	237.9638	219.517	255.1912	192.7899	264.328	246.9902	189.0285	170.2827	199.93	0.029908	0.895104	0.0156	0.949371	-0.30353	0.269656
AT1G10585	AT1G10585	2.377808	1.784246	10.30123	37.52982	41.73544	37.87995	39.12935	28.05114	42.95482	7.676285	11.97301	8.827252	2.438891	4.2E-09	2.350866	2.8E-08	0.566143	0.514321
AT1G10586	AT1G10586	0	0	0	1.649662	1.987402	2.990522	0.889303	5.39445	6.833722	0	0	1.035907	0.909423	0.161396	1.49336	0.017352	0.118214	NA
AT1G10588	AT1G10588	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G10590	AT1G10590	605.1521	701.2087	609.0605	988.1477	1009.6	873.2325	668.7562	743.3552	1137.327	672.6345	698.4253	603.9335	0.572121	0.003056	0.403751	0.052426	0.044122	0.928402
AT1G10600	AMSHZ	158.1242	180.2088	222.7642	237.9638	180.1911	167.4693	296.3181	254.618	221.6078	221.6527	203.5411	211.3249	0.070094	0.788924	0.44969	0.037418	0.177903	0.653386
AT1G10610	BHLH9	231.8363	208.7568	164.8198	128.2612	142.4305	141.5514	178.75	181.2535	201.1067	232.6076	244.7815	206.1454	-0.54901	0.001684	-0.10738	0.363474	0.16884	0.607752
AT1G10620	PERK11	0	0	0	0.412416	0	0	1.778607	1.07889	0	0	0	0	0.061581	NA	0.476497	NA	0	NA
AT1G10630	ATARFA1F	633.6858	574.5272	554.979	701.5189	813.5098	640.9686	512.2388	531.8927	779.0443	592.0335	848.7531	489.9838	0.280951	0.251296	0.046082	0.884077	0.123722	0.794614
AT1G10640	AT1G10640	198.547	174.8561	153.2309	102														

AT1G1100	AT1G1100	2.377808	5.352738	19.31482	7.42348	7.28714	7.974726	14.22886	14.02557	11.71495	7.676285	13.30334	11.39497	-0.23	0.722203	0.438763	0.481684	0.173131	NA
AT1G1110	AT1G1110	1.188904	0	0	0	0	0.996841	0.889303	0	0	0	0	0	-0.05691	NA	-0.04692	NA	-0.20555	NA
AT1G1112	AT1G1112	8.322328	7.136984	6.438272	15.67179	21.19895	9.968408	10.67164	10.7889	24.40615	11.51443	11.97301	10.35907	0.89156	0.077451	0.88316	0.121153	0.46512	NA
AT1G1120	AT1G1120	32.10041	21.41095	21.89012	17.32145	19.87402	19.93682	8.893035	8.63112	16.59618	21.10978	15.96401	15.5386	-0.38153	0.369529	-1.01887	0.015866	-0.47008	0.501624
AT1G1125	AT1G1125	19.02246	1.784246	11.58889	20.20836	17.88662	25.91786	12.45025	22.65669	11.71495	9.593536	2.660668	8.287522	0.753359	0.138543	0.359225	0.55446	-0.52666	NA
AT1G1130	SUB	152.1797	133.8185	127.4777	113.0019	95.39529	151.9642	97.82338	129.4668	93.71962	129.5373	151.6581	111.8779	-0.362484	0.0944	-0.36243	0.117702	-0.08013	0.868534
AT1G1145	AT1G1145	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G1150	AT1G1150	52.31177	57.09587	45.0679	47.01538	38.4231	57.81677	60.47264	63.65451	59.55101	44.13864	65.18636	64.2262	-0.11336	0.739574	0.245372	0.455545	0.157612	0.786409
AT1G1160	AT1G1160	32.10041	24.97944	24.46543	16.49662	19.87402	15.94945	22.23259	23.73558	8.786214	30.70514	30.59768	42.47217	-0.58608	0.139247	-0.5253	0.228094	0.316791	0.652681
AT1G1170	AT1G1170	23.77808	23.1952	37.34198	48.66504	43.06037	37.87995	86.26244	51.78672	52.71728	40.3005	35.91902	35.22082	0.571383	0.090672	1.091224	0.000629	0.356182	0.560065
AT1G1175	AT1G1175	66.57862	66.0171	61.80741	82.48311	87.44568	69.77885	75.5908	85.23231	148.3894	74.84378	78.4897	99.44703	0.291093	0.354065	0.634308	0.031131	0.358787	0.469433
AT1G1180	SCAMP5	126.0238	126.6815	117.1765	133.2102	133.1559	132.5798	155.6281	147.8079	188.4155	145.8494	105.0964	109.8061	0.107745	0.650582	0.403591	0.053973	-0.02517	0.963016
AT1G1185	AT1G1185	1.188904	1.784246	1.287654	2.062078	2.649869	0	4.446517	1.07889	3.904984	0	1.330334	1.035907	0.109103	0.896822	0.59269	0.426491	-0.2896	NA
AT1G1190	END01	13.07794	28.54794	21.89012	30.51875	26.49869	36.88311	21.34328	17.26224	9.76246	21.10978	19.95501	15.5386	0.542589	0.182282	-0.30885	0.504682	-0.1146	0.905042
AT1G11200	AT1G11200	154.5575	144.5239	186.7099	227.241	220.6016	230.2702	226.7724	195.2791	287.9626	144.8899	134.3637	122.237	0.464344	0.015437	0.530868	0.006681	-0.2725	0.421847
AT1G11210	AT1G11210	65.38972	85.64381	73.3963	238.7886	208.6772	219.305	391.2935	397.0315	395.3796	53.734	63.85603	64.2262	1.554356	1.16E-19	2.367313	2.24E-45	-0.28459	0.441758
AT1G11220	AT1G11220	26.15589	10.70548	9.01358	37.94223	27.82363	27.91154	26.6791	31.28781	21.47741	26.867	22.61568	16.5765	0.888557	0.027092	0.648198	0.148909	0.413788	0.587439
AT1G11230	AT1G11230	0	0	0	1.237247	0	0	1.07889	0	0.995936	0	1.035907	0	0.228578	NA	0.156289	NA	0.319415	NA
AT1G11240	AT1G11240	192.6024	176.6404	226.6272	322.0966	366.3444	264.1628	237.444	254.618	483.2418	239.8839	171.6131	232.0431	0.64421	0.017071	0.674266	0.01482	0.105645	0.865221
AT1G11250	SYP125	0	0	1.287654	0.824831	0.662467	0.996841	0	0	0.972646	0	1	0.1035907	0.220974	NA	-0.07825	NA	-0.05528	NA
AT1G11260	STP1	146.0063	1771.7516	1221.984	1168.786	1060.61	1346.732	1228.128	1619.414	1869.511	902.923	932.5641	940.6301	-0.2989	0.133998	0.092165	0.706967	-0.65484	0.004238
AT1G11265	AT1G11265	10.70014	21.41095	15.45185	11.96005	13.91181	16.94629	28.45771	24.81447	23.4299	4.97678	3.991002	9.323159	-0.122	0.822714	0.668067	0.143784	-0.10621	NA
AT1G11270	AT1G11270	57.06739	58.88012	38.62963	48.25262	58.95959	51.83572	46.24378	53.9445	39.04984	41.26003	38.57969	46.61579	0.045485	0.900258	-0.13722	0.706842	-0.26035	0.626348
AT1G11280	AT1G11280	335.2709	322.9485	315.4753	174.4514	174.8914	200.365	172.5429	163.9913	120.0783	283.063	37.19498	302.4847	-0.81809	1.32E-07	-1.07177	1.55E-11	-0.10845	0.745649
AT1G11290	PCMP-H40	85.60108	89.2123	56.65679	40.41673	34.4483	68.78201	79.14801	79.83786	55.64602	74.84378	77.15937	62.15439	-0.67339	0.025134	-0.09561	0.813158	-0.10083	0.883204
AT1G11300	AT1G11300	130.7794	164.1506	144.2173	295.702	309.3722	306.0301	204.5398	230.8824	163.0331	142.0113	139.6851	151.2424	1.042045	2.55E-10	0.444303	0.018772	-0.00966	0.986392
AT1G11310	MLO2	1328.006	1509.472	1451.186	2516.56	2360.371	2481.137	2304.185	2342.27	1770.91	1090.992	1118.811	1102.205	0.771352	4.84E-10	0.575945	6.75E-06	-0.36757	0.03885
AT1G11320	AT1G11320	38.04493	41.03766	51.50617	44.9533	46.37271	58.81361	37.35075	26.97225	30.26363	37.42189	19.95501	35.22082	0.176542	0.621584	-0.4291	0.229567	-0.43952	0.413692
AT1G11330	AT1G11330	548.0847	490.6677	490.5963	668.1132	606.82	670.873	441.9838	494.1316	391.4746	330.0803	345.8868	374.9982	0.341539	0.012548	-0.20484	0.190164	-0.53632	0.001301
AT1G11340	RKS1	20.21137	33.90067	25.75309	25.15735	20.53649	24.92102	33.79533	38.84004	29.28738	23.98839	10.64267	31.0772	-0.13738	0.765985	0.346484	0.42565	-0.19972	0.805717
AT1G11350	SD113	387.5827	487.0992	421.063	429.3246	355.0825	514.3698	481.1132	584.7583	411.9758	326.2421	279.3701	369.8186	0.003598	0.989575	0.18765	0.425362	-0.39319	0.189424
AT1G11360	AT1G11360	221.1361	244.4417	211.1753	233.4272	243.788	228.2765	204.5398	228.7247	354.3773	210.1383	191.5681	202.0018	0.062223	0.816215	0.215762	0.379985	-0.15657	0.711416
AT1G11362	AT1G11362	1.188904	0	0	0	1.324935	0	1.778607	3.23667	4.88123	0	0	1.035907	-0.08494	0.912227	1.041812	0.095782	-0.07048	NA
AT1G11370	PME56	0	0	0	0	0	0	1.07889	0	0	0	0	0	0	NA	0.16673	NA	0	NA
AT1G11380	AT1G11380	52.31177	82.07532	68.24568	72.99756	76.18374	66.78833	56.02612	96.0212	92.74337	69.08657	55.87403	95.3034	0.105283	0.76981	0.26776	0.433326	0.136436	0.833201
AT1G11390	AT1G11390	139.9683	94.56504	92.71111	96.09283	85.45828	123.6083	93.37687	102.4945	112.2683	82.52006	77.15937	81.83662	-0.08653	0.760631	-0.06037	0.848964	-0.39579	0.285974
AT1G11400	PYM	105.8125	115.976	128.7654	121.9816	209.3397	180.4282	180.5282	192.0424	262.6102	129.5373	102.4357	157.4578	0.760038	0.000352	0.830584	0.000116	-0.15203	0.740122
AT1G11410	AT1G11410	261.5589	306.8903	279.421	232.19	188.8032	212.3271	260.5659	216.8569	171.8193	327.2016	395.1092	362.5673	-0.405	0.031109	-0.37057	0.063565	0.350054	0.206399
AT1G11420	ATUDF2	42.80054	33.90067	42.49259	32.58029	35.77323	30.90206	27.56841	38.84004	26.35864	57.57214	50.55269	59.04667	-0.26102	0.428705	-0.36309	0.295401	0.456626	0.320116
AT1G11430	MORF9	191.0117	981.3353	1061.027	990.6222	895.6558	893.1659	997.9785	952.6598	1242.761	1209.015	1239.871	1165.395	-0.13372	0.368817	0.062998	0.171752	0.239173	0.241584
AT1G11440	AT1G11440	144.9802	237.3047	213.7506	216.6306	273.599	204.3524	260.5659	224.0091	267.914	281.1439	258.0848	217.5404	-0.110802	0.614412	0.222885	0.296022	0.292329	0.479353
AT1G11450	AT1G11450	34.47821	7.136984	14.1642	25.98218	20.53649	30.90206	29.34701	17.26224	24.40615	24.94793	13.30334	31.0772	0.350683	0.485598	0.254788	0.651003	0.234205	0.805161
AT1G11460	AT1G11460	0	0	3.862963	4.536571	1.324935	1.993682	5.335821	3.23667	0	1.919071	1.330334	2.071813	0.421472	0.569641	0.449904	0.559408	0.131487	NA
AT1G11470	AT1G11470	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT1G11475	NRPB10	99.86793	67.80135	93.99877	249.5114	257.6998	152.5166	128.949	119.7568	264.5627	136.2541	95.78405	156.4219	1.236533	6.32E-05	0.892076	0.006628	0.520877	0.316856
AT1G11480	AT1G11480	418.4942	504.9416	385.0086	433.4488	410.0672	482.4709	409.9689	496.2894	410.9996	379.0166	371.1632	367.7468	0.022279	0.913425	0.014245	0.948206	-0.21709	0.402692
AT1G11482	AT1G11482	1.188904	0	1.287654	0.412416	0	0	1.07889	0.972646	0	0.2660668	0.2071813	0	-0.4588	NA	-0.10216	NA	0.279792	NA
AT1G11490	AT1G11490	2.377808	3.568492	3.862963	1.237247	0.662467	1.993682	2.66791	1.07889	0.972646	4.797678	10.64267	5.179533	-0.76536	0.263499	-0.53591	0.480388	0.573865	NA
AT1G11500	AT1G11500	2.377808	3.568492	1.287654	1.237247	1.987402	4.984204	2.66791	1.07889	3.904984	6.716749	2.660668	3.10772	0.026042	0.976016	0.063247	0.943691	0.501051	NA
AT1G11510	AT1G11510	0	1.784246	0	0	0	0	1.778607	0	0.995936	0	0.2071813	0	-0.33367	NA	0.052654	NA	0.235244	NA
AT1G11520	AT1G11520	21.40027	16.05821	20.60247	21.85803	20.53649	18.93997	15.56468	20.49891	44.90732	14.39303	22.61568	16.57						

AT1G11920	AT1G11920	0	0	1.287654	0	0	0	0.889303	1.07889	0	0	0	0	0	0	0	0	0	0	-0.27795	NA	0.123441	NA	-0.23964	NA
AT1G11925	AT1G11925	1.188904	0	2.575309	4.124156	4.637271	7.974726	11.56095	8.63112	2.928738	0	0	0	0	0	0	0	0	0	1.099036	0.089352	1.464611	0.022868	-0.66919	NA
AT1G11930	AT1G11930	681.242	669.0923	692.758	775.7537	853.9203	764.5769	854.6206	844.7708	1197.854	777.2239	707.7377	713.7396	0	0	0	0	0	0	0.224952	0.183594	0.495657	0.001632	0.104339	0.747535
AT1G11940	AT1G11940	58.25629	66.0171	59.2321	70.93548	65.58426	62.80097	50.6903	69.04896	49.78855	65.24842	70.5077	77.69299	0	0	0	0	0	0	0.131231	0.652572	-0.10987	0.740959	0.216428	0.644477
AT1G11950	AT1G11950	83.22328	76.72258	77.25926	83.30795	86.78321	103.6714	112.0522	145.6501	113.2445	72.92471	71.83803	73.54936	0	0	0	0	0	0	0.181514	0.469591	0.618986	0.004923	-0.11888	0.810018
AT1G11960	AT1G11960	107.0018	100.8839	99.14938	93.61834	90.09555	93.70303	100.4913	122.9935	94.69586	80.60099	113.0784	79.7648	0	0	0	0	0	0	-0.17378	0.471839	0.013178	0.965466	-0.20949	0.606351
AT1G11970	AT1G11970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G11980	RUB3	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	0	0	0	0	0	0	NA	0.16673	NA	0	NA
AT1G11990	AT1G11990	1.188904	3.568492	2.575309	5.737818	15.23675	6.977885	5.335821	9.710009	4.88123	7.676285	7.982004	5.179533	0	0	0	0	0	0	1.271434	0.02997	0.869272	0.186354	0.921682	NA
AT1G12000	PPF-BETA1	803.6991	594.1539	677.3062	638.4193	641.2683	597.1076	459.7699	467.1593	486.1705	615.0623	637.23	624.6516	0	0	0	0	0	0	-0.14713	0.317937	-0.5535	2.42E-05	-0.14915	0.537149
AT1G12010	AT1G12010	42.80054	55.31163	54.08148	2.062078	2.662078	3.312336	3.987363	2.66791	8.63112	0.976246	57.57214	46.56169	40.40035	0	0	0	0	0	-3.48485	7.84E-19	-3.0998	3.45E-14	-0.04935	0.957023
AT1G12013	SNOR111	1.188904	0	0	0.412416	0.662467	0	0	0	0	0	0	0	0	0	0	0	0	0	0.007276	NA	-0.22716	NA	-0.22076	NA
AT1G12015	AT1G12015	0	0	0	0	0	0.996841	0	0	0	0	0	0	0	0	0	0	0	0	0.15625	NA	0	NA	0	NA
AT1G12020	AT1G12020	65.38972	89.2123	51.50617	74.2348	89.43308	58.81361	67.58706	36.68226	73.21845	50.85539	62.5257	64.2262	0	0	0	0	0	0	0.129686	0.72576	-0.17956	0.642161	-0.18878	0.766545
AT1G12030	AT1G12030	0	1.784246	1.287654	0.412416	0	0	0.889303	0	0	0.959536	0	0	0	0	0	0	0	0	-0.42502	NA	0	NA	-0.28555	NA
AT1G12040	LRX1	0	0	0	0	0	0	0.889303	1.07889	0	0	0	0	0	0	0	0	0	0	0	NA	0.3225	NA	0	NA
AT1G12050	AT1G12050	312.6817	344.3595	307.7494	307.2496	217.2893	340.9195	342.3818	335.5348	289.9451	359.8259	325.9318	323.2028	0	0	0	0	0	0	-0.15443	0.467034	0.007252	0.978064	0.066887	0.875865
AT1G12060	BAG5	38.04493	35.68492	38.62963	18.5587	11.92441	21.9305	11.56095	14.02557	28.31113	42.21957	30.59768	32.1131	0	0	0	0	0	0	-1.01557	0.005227	-0.95984	0.013467	-0.0822	0.927039
AT1G12064	AT1G12064	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT1G12070	AT1G12070	3.566712	1.784246	1.287654	0.824831	0.662467	0	0.889303	1.07889	0.976246	2.878607	2.660668	3.10772	0	0	0	0	0	0	-0.82259	0.227259	-0.51753	0.494625	0.228767	NA
AT1G12080	AT1G12080	141.4796	126.6815	148.0802	44.9533	43.06037	62.80097	48.91169	42.07671	79.07593	149.6876	180.9254	138.8115	0	0	0	0	0	0	-1.43055	1.25E-09	-1.23655	4.24E-07	0.160971	0.744238
AT1G12090	ELP	8127.347	8823.097	8309.233	4120.856	4472.317	4291.4	4273.103	4115.965	448	7440.239	7103.983	6590.437	0	0	0	0	0	0	-0.86765	1.23E-16	-0.86765	1.92E-13	-0.25439	0.181131
AT1G12100	AT1G12100	5.94452	8.92123	5.150617	4.948987	3.312336	1.993682	3.557214	3.23667	1.952492	4.797678	7.982004	4.143626	0	0	0	0	0	0	-0.59482	0.356559	-0.77571	0.248016	-0.16441	NA
AT1G12110	NP63	357.8601	362.2019	258.8185	129.4985	121.2315	135.5703	125.3918	161.8335	169.8668	268.67	290.0128	277.6229	0	0	0	0	0	0	-1.31137	1.29E-14	-1.07411	8.68E-10	-0.22017	0.488819
AT1G12120	AT1G12120	727.6092	799.3422	773.8803	731.2128	748.588	780.5263	753.24	736.8818	767.3294	870.2988	901.9664	866.0179	0	0	0	0	0	0	-0.02525	0.849649	-0.02457	0.865371	0.197872	0.208131
AT1G12130	AT1G12130	2.377808	0	0	0.2602708	0	0.996841	0.889303	1.07889	0	0	0.991002	5.179533	0	0	0	0	0	0	0.05661	0.944934	-0.11041	0.890999	0.6489	NA
AT1G12140	FMOGS-OK5	324.5708	337.2225	312.9	282.0923	272.274	327.9606	314.8134	339.8503	282.1351	319.5254	291.3431	306.6239	0	0	0	0	0	0	-0.14655	0.369181	-0.05539	0.780458	-0.08183	0.794445
AT1G12150	AT1G12150	17.83356	8.92123	9.01358	8.660727	12.58688	3.987363	10.67164	7.55223	11.71495	8.635821	11.97301	5.179533	0	0	0	0	0	0	-0.39361	0.49625	-0.22182	0.740081	-0.41686	NA
AT1G12160	AT1G12160	38.04493	24.97944	28.3284	54.02644	54.98478	42.86415	19.56468	20.49891	29.28738	26.867	13.30334	22.78994	0	0	0	0	0	0	0.687156	0.037791	-0.38343	0.350281	-0.479	0.4308
AT1G12170	AT1G12170	0	0	0	0	0	0	0	0	0.976246	0	0	0	0	0	0	0	0	0	0	NA	0.16673	NA	0	NA
AT1G12180	AT1G12180	0	0	0	0	0	0	0.889303	1.07889	0	0.959536	0	0	0	0	0	0	0	0	0	NA	0.340278	NA	0.175396	NA
AT1G12190	AT1G12190	1.188904	0	0	0.412416	0	0	0.889303	0	0	0	0	0	0	0	0	0	0	0	-0.12978	NA	-0.04528	NA	-0.2092	NA
AT1G12200	AT1G12200	41.61164	26.76369	19.31482	79.18379	79.49607	72.76938	85.37313	67.97007	87.86214	30.70514	45.23135	24.86176	0	0	0	0	0	0	1.299554	5.75E-06	1.353235	3.41E-06	0.13938	0.850794
AT1G12210	RFL1	51.12287	39.25341	34.76667	67.63615	67.57166	74.76366	82.70522	84.15342	53.69353	40.3005	19.95501	48.68761	0	0	0	0	0	0	0.68879	0.025742	-0.758249	0.017249	-0.17123	0.805688
AT1G12211	AT1G12211	1.188904	1.784246	0	1.649662	2.649869	1.993682	0	1.07889	3.904984	0	1.330334	1.035907	0	0	0	0	0	0	0.458037	0.522741	0.274849	0.730488	-0.10408	NA
AT1G12220	RP55	241.3475	231.952	176.4086	193.0105	185.4908	252.2007	224.9938	269.7225	216.7266	134.335	133.0334	156.4219	0	0	0	0	0	0	-0.04864	0.848479	0.128448	0.604522	-0.59593	0.022972
AT1G12230	AT1G12230	600.3695	608.4279	638.6766	472.2158	488.9008	483.4678	536.25	535.1294	517.4104	630.4149	562.7313	609.6113	0	0	0	0	0	0	-0.3535	0.001127	-0.21619	0.072723	-0.03322	0.900046
AT1G12240	BRFUC24	1185.337	1179.387	1079.054	725.0266	672.4043	724.7032	843.0597	962.3698	839.5716	1243.558	1239.871	1207.867	0	0	0	0	0	0	-0.69269	1.08E-11	-0.37823	0.00051	0.009993	0.625371
AT1G12244	AT1G12244	73.71204	49.95889	82.40968	57.73818	58.29712	72.92289	65.81229	114.2208	93.07496	143.6761	107.7343	0	0	0	0	0	0	0	-0.24481	0.448553	-0.26459	0.430255	0.680397	0.671618
AT1G12250	AT1G12250	389.9605	431.7875	366.9811	368.6995	405.43	332.9448	578.0473	553.4705	735.1132	581.4786	509.5179	506.5583	0	0	0	0	0	0	-0.09542	0.625386	0.64395	3.77E-05	0.423706	0.052777
AT1G12260	NAC007	15.45575	5.352738	11.58889	8.248311	10.59948	9.668408	10.67164	6.47334	4.88123	21.10978	18.62468	17.61041	0	0	0	0	0	0	-0.20992	0.717924	-0.48523	0.402315	0.669635	NA
AT1G12270	HOP1	517.1732	435.356	408.1864	501.4973	489.5633	514.3698	431.3122	476.8694	442.2394	450.9817	456.3046	422.6499	0	0	0	0	0	0	0.140162	0.34216	-0.01518	0.936938	-0.03667	0.910917
AT1G12280	AT1G12280	214.0027	158.7799	176.4086	87.84452	92.74542	141.5514	155.6281	145.6501	128.8645	179.4332	176.9344	209.2531	0	0	0	0	0	0	-0.77596	0.000266	-0.34771	0.153265	0.035966	0.950237
AT1G12290	AT1G12290	60.6341	58.88012	60.50175	109.7025	98.04516	129.5893	90.7086	87.39009	75.17094	50.85539	46.56169	66.29802	0	0	0	0	0	0	0.865115	0.000129	0.471311	0.069812	-0.12674	0.819853
AT1G12294	MIR472A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G12300	AT1G12300	65.38972	44.60615	52.79383	37.52982	35.77323	53.8294	29.34701	50.70783	35.14486	51.81492	63.85603	51.79533	0	0	0	0	0	0	-0.37592	0.238168	-0.49357	0.13909	0.01777	0.983796
AT1G12310	CML13	373.3158	319.38	366.9815	423.1384	438.5533																			

AT1G13710	CYP78A5	89.1678	71.36984	45.0679	44.9533	41.07297	42.86415	40.01866	50.70783	43.93107	59.49121	38.57969	72.51346	-0.63266	0.037224	-0.57819	0.076652	-0.24119	0.6809
AT1G13720	AT1G13720	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT1G13730	AT1G13730	293.6593	242.6575	231.7778	175.689	186.8158	192.3903	168.9677	170.4646	164.0093	279.2249	224.8264	271.4075	-0.47035	0.003465	-0.60318	0.00025	0.014606	0.975404
AT1G13740	AFP2	78.46766	107.0548	103.0123	74.64722	78.83361	60.80729	75.5908	75.5223	115.197	72.92471	94.45371	95.3034	-0.39282	0.135218	-0.10139	0.761989	-0.12571	0.819853
AT1G13750	PAP1	265.1256	206.9725	220.1889	436.3357	398.8053	441.6005	393.8682	158.5968	122.0307	80.60099	94.45371	80.80071	0.86049	1.41E-06	-0.53447	0.00779	-1.40344	2.62E-11
AT1G13755	AT1G13755	0	0	0	0	0	0	0.889303	0	0	0	0	0	0.160764	NA	0	NA	0	NA
AT1G13760	AT1G13760	0	1.784246	0	0	0	0	0.889303	0	0	0	0	0	-0.26522	NA	-0.08117	NA	-0.24296	NA
AT1G13770	RUS3	141.4796	139.1712	142.9296	181.0504	167.6042	147.5324	190.3109	145.6501	166.9381	139.1327	146.3367	176.1041	0.23141	0.25913	0.244392	0.261158	0.120559	0.763728
AT1G13780	AT1G13780	63.01191	87.42806	87.5605	74.2348	78.17114	83.73463	89.81965	92.78453	106.4108	70.0461	74.4987	78.7289	-0.00775	0.979663	0.283791	0.263893	-0.07801	0.883204
AT1G13790	FDM4	93.92341	85.64381	73.3963	56.91335	51.00998	52.83256	54.24751	59.33895	55.64602	82.52006	62.5257	82.87252	-0.6259	0.006301	-0.56137	0.023516	-0.13457	0.783778
AT1G13800	AT1G13800	11.88904	16.05681	10.30123	5.773818	8.612075	6.977885	9.782338	12.94668	4.88123	4.797678	13.30334	19.68222	-0.66654	0.225829	-0.36182	0.569158	-0.00169	NA
AT1G13810	AT1G13810	68.95643	51.74313	63.09506	61.86234	58.95959	55.82308	61.36194	56.10228	75.17094	52.77446	54.54369	50.75942	-0.06228	0.843111	0.052216	0.880926	-0.22557	0.640373
AT1G13820	AT1G13820	324.5708	453.1985	454.542	301.8882	251.0751	239.2418	358.3893	306.4047	325.0899	384.7738	343.2262	516.9174	-0.61228	0.002077	-0.30337	0.179412	0.020017	0.971473
AT1G13830	AT1G13830	2.377808	0	0	3.862963	14.43455	11.92441	10.96525	7.114428	8.63112	2.928738	1.919071	2.660668	1.74257	0.002004	0.879093	0.183118	-0.06513	NA
AT1G13840	AT1G13840	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G13850	AT1G13850	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT1G13860	QUL1	214.0027	210.541	189.2852	160.0172	143.7554	165.4756	163.6318	181.2535	112.2683	164.0806	183.5861	199.93	-0.37847	0.062746	-0.41485	0.051279	-0.16057	0.679758
AT1G13870	KT12	107.0014	82.07532	123.6148	109.2901	118.5816	98.68724	102.2699	122.9935	137.6507	95.95356	119.7301	111.8779	0.051181	0.855354	0.191648	0.467346	0.044603	0.936644
AT1G13880	AT1G13880	293.6593	331.8698	267.8321	341.8925	365.6819	389.7647	322.8172	318.2725	293.85	296.4965	288.6825	238.2585	0.29448	0.059245	0.070791	0.728199	-0.11076	0.723894
AT1G13890	SNAP30	1.188904	0	0	0	0	0	0.995936	0	0	0	0	0	-0.21779	NA	-0.19779	NA	-0.02864	NA
AT1G13900	PAP2	323.3819	290.8321	229.2025	193.42229	170.9166	203.3555	213.4328	207.1469	140.5794	171.8146	215.5141	233.079	-0.55842	0.004545	-0.57223	0.004931	-0.33031	0.299685
AT1G13910	AT1G13910	55.52489	70.56683	57.94445	54.02644	54.98478	65.79149	56.02612	43.1556	31.23987	36.46235	61.19536	52.83123	-0.1234	0.728808	-0.50702	0.117043	-0.33165	0.530036
AT1G13920	AT1G13920	40.42273	32.11643	68.24568	33.40566	36.4357	30.90206	57.80473	50.70783	54.66978	61.41028	91.79304	75.62118	-0.47199	0.134024	0.182729	0.627147	0.634988	0.133049
AT1G13930	AT1G13930	3522.722	3921.773	3868.114	5109.004	4984.404	3912.6	5904.086	5340.505	13208.61	4099.136	4484.556	5835.261	0.28003	0.50615	1.012869	0.005507	0.318098	0.639778
AT1G13940	AT1G13940	286.5259	212.3253	274.2704	160.4297	160.9795	191.3934	176.9714	199.5946	152.2944	239.8839	224.8264	242.4021	-0.59842	0.000472	-0.5476	0.002295	-0.13361	0.701627
AT1G13950	ELF5A-1	80.84547	99.91778	99.1498	134.0351	135.8058	108.6556	85.97313	81.99564	105.4607	141.0517	194.2288	125.3447	0.425025	0.126766	0.156727	0.648029	0.688862	0.056905
AT1G13960	WRKY4	229.4585	248.0102	200.36	242.0879	272.9365	255.1912	281.0393	332.2981	249.8929	141.0217	147.6671	180.2477	0.165701	0.450608	0.258997	0.234617	0.468684	0.092225
AT1G13970	AT1G13970	28.53369	17.84246	27.04074	46.60296	60.28452	67.78517	47.13308	51.78672	32.21612	41.26003	37.24935	31.0772	1.115339	0.000351	0.736716	0.034492	0.497074	0.372189
AT1G13980	GN	900.0003	567.3902	576.8691	293.6399	272.274	348.894	391.2935	442.3449	310.4462	508.5559	506.8572	494.1274	-1.1342	5.62E-09	-0.81785	1.15E-05	-0.42859	0.161579
AT1G13990	AT1G13990	307.9261	403.2396	383.721	1039.7	967.2022	949.9893	1076.057	1048.681	1109.992	504.7157	553.4189	386.3931	1.415	7.69E-22	1.541624	1.52E-25	0.394244	0.887743
AT1G14000	VIK	724.0225	804.695	637.3889	664.4015	678.3665	802.4568	642.0771	710.9885	586.72338	599.7098	826.1374	621.5439	-0.01393	0.924277	-0.15459	0.45143	-0.0806	0.833341
AT1G14010	AT1G14010	116.5126	124.8972	144.2173	298.1765	325.2714	264.1628	195.6468	185.5691	283.1113	112.2657	75.82904	113.9497	1.167836	0.25E-40	0.758538	0.000685	-0.32932	0.404721
AT1G14020	AT1G14020	130.7794	146.3082	150.6556	131.973	105.3323	138.5609	134.2848	131.6246	96.64835	176.5644	130.3727	141.9192	-0.18147	0.456043	-0.22879	0.367309	0.076296	0.878133
AT1G14030	LSMT-1	443.4612	538.8423	448.1037	345.6043	363.6945	381.79	453.5448	412.136	430.2545	406.0599	431.0282	565.605	-0.3831	0.009922	-0.13398	0.456949	0.06899	0.836577
AT1G14040	PHO1	41.61164	37.46917	41.20494	54.43886	42.39791	58.81361	46.24378	37.76115	41.97858	41.26003	43.90102	56.97486	0.340893	0.26578	0.059374	0.884939	0.222064	0.698267
AT1G14048	AT1G14048	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G14060	AT1G14060	105.8125	87.42806	86.27284	143.1082	170.9166	144.5419	134.2848	110.0468	216.7266	101.7108	105.0964	108.7702	0.679096	0.006862	0.687471	0.008035	0.160634	0.766678
AT1G14070	FUT7	80.84547	98.13353	101.7247	69.28582	62.27192	70.7757	85.37313	75.5223	65.62227	86.35817	73.16837	83.90843	-0.45223	0.035618	-0.34672	0.183658	-0.18653	0.68156
AT1G14071	MIR830A	1.188904	3.568492	1.287564	0	1.324935	0	0	0.976246	2.878607	0	0	0	-0.64026	0.317548	-0.66465	0.307109	-0.16594	NA
AT1G14080	FUT6	3.566712	1.784246	1.287564	4.948987	3.974804	7.974726	0.889303	0	0.976246	0	1.330334	0	0.90659	0.177383	-0.68882	0.347216	-0.79863	NA
AT1G14090	AT1G14090	71.33424	62.44861	72.10864	51.13953	47.03518	57.81677	57.80473	44.23449	48.8123	56.6126	58.34669	68.36983	-0.40293	0.112606	-0.43183	0.115376	-0.16545	0.74422
AT1G14100	FUT8	5.94452	7.136984	7.725926	1.237247	0.662467	1.993682	0.889303	2.15778	2.928738	6.716749	10.64267	2.071813	-1.50847	0.013576	-1.13236	0.085793	-0.07392	NA
AT1G14110	FUT9	0	0	0	0	0	0	0.889303	0	0	0	0	0	0.160764	NA	0	NA	0	NA
AT1G14120	AT1G14120	1.188904	0	1.287654	11.54764	9.937009	17.94313	14.22886	14.02557	23.4299	10.55489	6.65167	5.179533	2.068922	0.000122	2.42901	6.05E-06	1.422101	NA
AT1G14130	AT1G14130	43.98945	42.8219	34.76667	109.2901	92.08295	98.68724	75.5908	83.07453	82.00466	64.28889	59.86503	48.68761	1.258725	6.27E-08	0.939325	0.00017	-0.09979	0.239609
AT1G14140	PUM3P	150.9908	126.6815	128.7654	178.1635	155.6798	159.4945	120.9453	154.2813	174.748	139.1327	121.0604	119.1293	0.172803	0.196036	0.43288	0.59191	-0.47987	0.824654
AT1G14150	PNSL2	158.1242	217.678	216.3259	116.3012	109.3071	85.72831	232.9975	262.1703	413.9283	227.4099	210.1928	283.8384	-0.87488	0.000343	0.599267	0.018797	0.279814	0.52809
AT1G14160	AT1G14160	0	0	0	0	0	0	0.889303	0	0	0	0	0	0.160764	NA	0	NA	0	NA
AT1G14170	AT1G14170	104.6235	108.839	136.4914	291.1654	268.2992	360.8564	245.4478	227.6458	196.2254	77.72239	77.15937	109.8061	1.349578	4.67E-12	0.905519	1.14E-05	-0.38715	0.280841
AT1G14180	AT1G14180	90.3567	69.5856	81.12222	69.69823	90.09555	61.80413	59.58333	72.28563	85.90965	68.12703	74.4987	66.29802	-0.12081	0.68439	-0.15421	0.625162	-0.21245	0.657725
AT1G14182	SCRL28	0	0	0	0	0	0.996841	0	0	0.976246	0	0	0	0.15625	NA	0	NA	0	NA
AT1G14185	AT1G14185	5.94452	7.136984	6.438272	2.062078	0.662467	0.996841	1.778607	2.15778	2.928738	3.838143	3.991002	4.143626	-1.42041	0.020654	-0.97929	0.144892	-0.48215	NA
AT1G14190	AT1G14190	28.53369	16.05821	16.7395															

AT1G14642	AT1G14642	8.322328	5.352738	12.87654	8.660727	11.92441	7.974726	10.67164	8.63112	9.76246	5.757214	2.660668	6.215439	0.073082	0.913386	0.087647	0.902039	-0.64039	NA
AT1G14650	AT1G14650	835.7995	685.1505	62.70877	538.2023	560.4473	628.0097	587.8296	672.1484	637.4886	606.4265	771.5937	587.359	-0.31389	0.062069	-0.17808	0.352059	-0.1303	0.682617
AT1G14660	NHX8	73.71204	83.89596	70.82099	73.82239	75.52127	74.76306	61.36194	59.33895	57.14804	47.97678	42.57069	54.90305	-0.01589	0.95922	-0.38088	0.144273	-0.60839	0.700883
AT1G14670	TMN2	1121.136	958.1401	947.7136	939.8951	737.3261	1001.825	854.6206	924.6087	550.6027	749.3973	916.6001	792.4685	-0.17265	0.462859	-0.36841	0.095747	-0.29366	0.38561
AT1G14680	AT1G14680	20.21137	17.84246	18.02716	14.84696	21.19895	11.96209	18.67537	21.5778	22.45366	20.15025	15.96401	15.75445	-0.19458	0.68251	0.138094	0.979531	-0.07706	0.940175
AT1G14685	BPC2	344.7821	335.4383	341.2284	529.5416	567.7345	565.2087	606.505	611.7306	659.9423	327.2016	381.8058	374.9982	0.692248	0.484209	0.682588	1.625133	-0.07966	0.707791
AT1G14686	AT1G14686	2.377808	0	1.28754	0.412416	0.662467	0	0	1.952492	0	0	0	0	-0.41216	NA	-0.25572	NA	-0.6125	NA
AT1G14687	ZHD14	10.70014	10.70548	10.30213	19.38353	13.24935	8.971567	9.782338	12.94668	21.47741	8.635821	11.97301	9.323159	0.374141	0.490823	0.039531	0.494235	-0.08357	NA
AT1G14688	AT1G14688	1.188904	0	1.287654	0	0	0	0	0	0	0	0	0	-0.4448	NA	-0.42471	NA	-0.41895	NA
AT1G14690	MAP65-7	631.308	636.9758	593.6087	519.2312	485.5885	618.0413	674.9813	618.2039	394.4034	650.5652	665.167	684.7342	-0.19551	0.366646	-0.13773	0.565382	0.101497	0.805923
AT1G14700	PAP3	172.3911	242.6575	254.9556	49.48987	36.4357	25.91786	62.25124	46.39227	57.59851	278.2653	292.6735	265.1921	-2.4256	2.35E-28	-1.92337	6.37E-18	0.316334	0.388952
AT1G14710	AT1G14710	545.7069	465.6882	469.9938	473.4531	444.5155	439.6068	330.8209	383.0059	394.4034	474.0106	528.1426	416.4344	-0.12502	0.45529	-0.41705	0.005462	-0.06121	0.838515
AT1G14720	XTH28	323.3819	417.5136	378.5704	532.0161	474.3266	604.0855	644.745	630.0717	696.0634	408.7622	336.5745	382.2495	0.519278	0.000617	0.809616	3.66E-08	-0.09724	0.964692
AT1G14730	CY8561C	11.88904	23.1952	21.89012	12.78488	10.59948	13.95577	14.22886	9.710009	5.87476	17.27164	11.97301	13.46678	-0.51005	0.289546	-0.76261	0.122033	-0.32273	NA
AT1G14740	OBE3	814.3992	826.1059	691.4704	746.0598	752.5628	832.362	832.3881	937.5554	892.2888	607.3861	630.5783	600.8258	-0.0014	0.980655	-0.19037	0.161423	-0.33844	0.040326
AT1G14750	SD5	8.322328	17.84246	9.01358	19.79595	17.88662	21.9305	13.33955	12.94668	7.809968	6.716749	5.321336	8.287252	0.724904	0.11888	0.011253	0.986422	-0.56932	NA
AT1G14755	AT1G14755	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G14760	KNATM	1.188904	3.568492	1.287654	6.598649	5.299738	10.96525	9.782338	0	9.76246	2.878607	2.660668	3.10772	1.128258	0.075995	0.988873	0.145461	0.241501	NA
AT1G14770	AT1G14770	101.0568	57.09587	83.69753	68.46099	71.54647	60.80729	66.69776	50.70783	55.64602	97.87263	97.11438	71.47755	-0.27239	0.328538	-0.47825	0.088704	0.110535	0.848756
AT1G14780	AT1G14780	3.566712	3.568492	5.150617	34.23049	24.51129	35.88627	36.46144	45.31338	40.02609	57.57214	1.330334	2.071813	2.369383	6.16E-08	2.701981	5.74E-10	-0.26265	0.827023
AT1G14790	RDR1	436.3277	388.9656	327.0642	237.9638	241.8006	309.0206	232.1082	289.1425	229.4178	255.2365	243.4511	216.5045	-0.54376	0.002192	-0.60772	0.000797	-0.6738	0.002058
AT1G14800	AT1G14800	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	NA	0.16673	NA	0	NA
AT1G14810	AT1G14810	537.3846	499.5889	488.021	407.879	428.6163	394.7489	465.1057	421.846	608.2013	414.5194	549.4279	507.5942	-0.30296	0.090785	-0.0281	0.907629	-0.05387	0.894073
AT1G14820	AT1G14820	80.84547	123.113	126.1901	252.3983	263.662	241.2355	267.8003	262.1703	317.2799	154.4852	188.9074	109.8061	1.167325	3.73E-08	1.323216	4.19E-10	0.440414	0.214089
AT1G14830	DRP1C	747.8206	692.2875	763.579	593.466	557.135	730.6843	668.7562	715.304	400.2669	730.2066	679.8007	629.8163	-0.29212	0.201782	-0.29712	0.012782	-0.10893	0.801603
AT1G14840	MAP70.4	488.6395	463.904	498.3222	275.4936	251.3776	263.166	250.7836	292.3792	236.2515	482.6464	461.6259	541.7791	-0.86513	2.15E-11	-0.88894	2.12E-11	0.034288	0.920201
AT1G14850	NUP155	306.7372	296.1848	222.7642	158.3676	135.8058	188.4029	165.2986	121.4624	103.4821	206.3002	187.5771	210.2899	-0.7487	0.002159	-0.74943	0.002251	-0.43068	0.256067
AT1G14860	NUD18	1.188904	0	1.287654	28.04426	30.47349	33.89259	24.9005	22.65669	33.19236	4.797678	5.321336	3.10772	3.200316	3.4E-11	3.013882	8.89E-10	0.820171	NA
AT1G14870	PCR2	15.45575	24.97944	23.17778	392.6196	424.6415	476.4899	401.9652	388.4004	539.864	6.835821	11.97301	11.39497	4.143559	3.57E-61	4.184566	4.14E-62	-0.81199	0.119159
AT1G14880	PCR1	257.9922	456.767	342.5161	401.9628	3634.295	2789.16	200.9826	184.4902	279.2064	65.24842	54.54369	92.19568	3.192617	5.08E-48	-0.63256	0.103314	-2.18006	1.01E-17
AT1G14890	AT1G14890	155.7464	123.113	127.4778	191.7732	145.0803	124.6051	92.48756	114.3623	140.5794	122.8026	109.0874	110.842	0.185834	0.484389	-0.22585	0.421028	-0.24015	0.580219
AT1G14900	HMG4	156.9353	126.6815	153.2309	278.3805	235.8383	244.226	152.9602	145.6501	185.4867	201.5025	166.2917	139.8474	0.772473	3.62E-05	0.135578	0.5906	0.204276	0.582115
AT1G14910	AT1G14910	311.4928	224.815	249.8049	203.3209	141.1055	214.3208	177.8607	207.1469	121.0545	195.7453	163.6311	164.7091	-0.48103	0.046137	-0.61801	0.011322	-0.56578	0.090582
AT1G14920	GAI	766.843	729.7566	699.1963	281.6798	270.9491	304.0364	276.5734	323.667	352.4248	517.1897	364.5115	491.0197	-1.33777	3.11E-19	-1.18555	5.81E-15	-0.66218	0.000392
AT1G14930	AT1G14930	0	0	0	0	0	0	0	1.07889	0.976246	0	2.660668	0	0	NA	0.324521	NA	0.378701	NA
AT1G14940	AT1G14940	0	0	0	0.662467	0	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT1G14950	AT1G14950	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT1G14960	AT1G14960	0	0	0	0	0	0	0	0	0.959536	0	0	0	0	NA	0	NA	0	NA
AT1G14970	AT1G14970	45.17835	69.5856	73.3963	49.48987	51.00998	43.86099	49.80099	50.70783	35.14486	63.32935	54.54369	75.62118	-0.34378	0.245768	-0.43573	0.162749	0.058359	0.933182
AT1G14980	CPN10	54.2934	394.3454	435.0909	708.1175	665.7796	550.2561	330.8209	380.8481	757.5669	391.4905	301.9858	468.2298	0.719847	0.009635	0.348564	0.274615	0.028892	0.975074
AT1G14990	AT1G14990	35.66712	33.90067	46.35556	76.35896	73.53387	53.8294	63.14025	39.91893	64.43224	44.13864	35.01902	44.54398	0.791084	0.006272	0.495534	0.132236	0.094318	0.896393
AT1G15000	SCPL50	108.1903	123.113	135.2037	73.40997	70.22153	53.8294	32.90423	63.65451	60.52725	95.95356	78.4897	101.5188	-0.83777	0.00065	-1.175	3.25E-06	-0.38501	0.350394
AT1G15002	AT1G15002	1.188904	0	0	1.237247	1.987402	0	0	0	0	0	1.330334	1.035907	0.363008	NA	-0.27011	NA	0.150961	NA
AT1G15010	AT1G15010	7.133424	10.70548	9.01358	63.512	49.68505	57.81677	99.60199	111.1257	141.5557	11.51443	6.65167	11.39497	2.373691	8.48E-12	2.373919	2.22E-23	0.114754	0.913327
AT1G15015	AT1G15015	0	0	1.287654	0.412416	0.662467	0.996841	1.778607	1.07889	0	0	1.330334	0	0.101565	NA	0.257828	NA	-0.04221	NA
AT1G15020	QSOX1	212.8138	305.1061	279.421	284.5667	281.5486	294.068	245.4478	268.6436	172.7955	241.803	270.0578	261.0484	0.113321	0.626165	-0.20383	0.380079	-0.03828	0.9394
AT1G15030	AT1G15030	420.872	451.4142	439.0901	366.6374	357.7323	437.6131	348.607	349.5603	322.1612	425.0743	492.2236	333.5619	-0.17455	0.346712	-0.35425	0.046598	-0.06917	0.856443
AT1G15040	AT1G15040	2.377808	0	1.287654	6.186234	5.299738	4.984204	8.893035	15.10446	3.904984	0.959536	1.330334	2.071813	1.089601	0.086277	1.636631	0.008231	-0.01608	NA
AT1G15045	AT1G15045	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT1G15050	IAA3	3.566712	1.784246	2.575309	0	0.662467	0.996841	0	0	4.797678	3.991002	3.10772	0	-1.03307	0.117098	-1.23914	0.057187	0.393924	NA
AT1G15060	AT1G15060	256.8033	253.3629	287.1469	181.8753	201.3901	166.4724	176.0821	168.3068	150.3419	236.0548	184.9164	217.5404	-0.52453	0.001107	-0.67714	3.77E-05	-0.3104	0.225684
AT1G15080	LPP2	23.77808	17.84246	20.60247	31.756	36.4357	40.87047	34.68284	37.76115	34.16861	28.78607	29.26735	30.04129	0.708518	0.032431	0.693259	0.050466	0.436101	0.462976
AT1G15090	AT1G15090																		

AT1G15550	GA3OX1	54.68958	30.33218	42.49259	7.42348	4.637271	0.996841	6.225124	6.47334	9.76246	32.62421	33.25835	40.40035	-2.70466	3.01E-12	-2.20601	3.19E-08	-0.25493	0.732248
AT1G15560	AT1G15560	0	0	0	0	0	0	0	0	0.976246	0	1.330334	0	0	NA	0.150797	NA	0.184203	0
AT1G15570	CYCA2-3	142.6685	108.839	103.0123	124.1371	138.4557	142.5482	120.9453	132.7035	72.2422	107.468	98.44471	135.7038	0.175739	0.543196	-0.1238	0.705231	-0.05345	0.933182
AT1G15580	IAA5	14.26685	24.97944	34.76667	16.08421	19.87402	11.96209	12.45025	10.7889	13.66744	30.70514	29.26735	30.04129	-0.53393	0.19721	-0.86834	0.043818	0.27265	0.72091
AT1G15590	AT1G15590	0	0	0	0	0	0.996841	0	0	0	0	0	0	0.15625	NA	0	NA	0	NA
AT1G15600	AT1G15600	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G15610	AT1G15610	0	0	0	0.412416	0.662467	0	0	0	0	0	0	0	0.196313	NA	0	NA	0	NA
AT1G15620	AT1G15620	0	0	0	0.824831	0	0	1.07889	0	0.959536	0	1.035907	0	0.151711	NA	0.165487	NA	0.335256	NA
AT1G15630	AT1G15630	0	1.784246	0	5.361402	4.637271	7.974726	1.778607	0	0.959536	0	0	0	1.662661	0.006878	0.005456	0.994894	-0.12557	NA
AT1G15640	AT1G15640	1.188904	0	0	0.412416	1.987402	2.990522	0.889303	0	0	0	0	0	0.608494	NA	-0.08383	NA	-0.26028	NA
AT1G15650	AT1G15650	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G15660	CENP-C	168.8244	110.6233	141.642	141.4585	141.768	125.6019	147.6244	128.3879	116.1733	143.9303	145.0064	138.8115	-0.05177	0.836831	-0.11408	0.653371	0.005326	0.992616
AT1G15670	AT1G15670	66.57862	57.09587	51.50617	282.5047	275.5864	279.1154	233.8868	233.0402	344.6148	38.38143	35.91902	51.79533	2.173193	3.08E-24	2.127777	6.39E-23	-0.44579	0.293983
AT1G15680	AT1G15680	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G15690	AVP1	7742.142	5691.745	5311.574	2980.527	3181.83	3634.481	4652.836	4873.346	4605.929	4928.175	5165.687	4766.206	-0.92263	2.08E-10	-0.40166	0.011823	-0.33038	0.146425
AT1G15700	ATPC2	86.78999	53.52738	86.27284	58.1506	52.33491	56.81992	57.80473	55.02339	65.40848	87.31774	79.82004	72.51346	-0.44331	0.075465	-0.35511	0.19962	0.056434	0.925908
AT1G15710	TYRAAT2	150.9908	94.56504	97.86173	83.30795	78.17114	84.73147	92.48756	80.91675	84.9334	105.5489	107.7571	82.87252	-0.47904	0.039257	-0.40821	0.106491	-0.22297	0.602936
AT1G15720	RF15	29.7226	21.41095	18.02716	21.44561	28.48609	29.90522	26.6791	34.52448	31.23987	23.98839	27.93701	30.04129	0.148478	0.731632	0.365476	0.376978	0.205776	0.784082
AT1G15730	AT1G15730	537.3846	551.332	454.542	244.9749	268.9617	263.166	314.8134	319.3514	399.2846	516.2302	445.6619	510.7019	-0.97555	7.43E-12	-0.56775	0.000164	-0.06212	0.858201
AT1G15740	AT1G15740	1712.022	1975.16	1792.415	1425.721	1407.08	1462.365	1847.973	1717.593	1285.716	1468.09	1392.86	1549.716	-0.3457	0.02106	-0.17212	0.316324	-0.30731	0.161326
AT1G15750	TPL	1455.218	1307.852	1206.532	1035.163	916.1922	1264.991	1094.733	1365.875	741.947	1008.472	995.0898	1003.793	-0.29647	0.184224	-0.30175	0.195811	-0.38941	0.220246
AT1G15757	AT1G15757	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G15760	AT1G15760	8.322328	5.352738	15.45185	10.31039	13.24935	11.96209	5.335821	7.55223	11.71495	8.635821	5.321336	8.287252	0.209899	0.73125	-0.22892	0.732823	-0.31659	NA
AT1G15770	MED158	1.188904	0	0	0	0	0	0	1.07889	0	0.959536	0	0	-0.24564	NA	-0.03069	NA	-0.03478	NA
AT1G15772	AT1G15772	0	1.784246	0	0	1.324935	0	0.889303	0	2.928738	0	2.660668	2.071813	-0.08895	0.903683	0.302623	0.66305	0.380485	NA
AT1G15780	MED15A	612.2855	488.8834	436.5148	319.6221	282.2111	367.8342	413.5261	487.6583	249.919	403.9645	464.2866	359.4596	-0.64432	0.006056	-0.40443	0.117136	-0.31547	0.432612
AT1G15790	AT1G15790	76.08985	94.56504	72.10864	302.713	323.9465	296.0617	153.8495	132.7035	176.7005	54.69353	49.22236	36.25673	1.89727	1.72E-24	0.921193	5.95E-06	-0.74152	0.104083
AT1G15800	AT1G15800	38.04493	42.8219	36.05432	94.85558	77.50867	81.74094	104.0485	89.54786	109.3396	37.42189	47.89202	27.96948	1.085251	1.54E-05	1.323144	1.31E-07	-0.05548	0.940326
AT1G15810	AT1G15810	209.2471	228.3835	220.1889	262.2962	278.8987	238.2449	242.7799	263.2491	295.8025	199.5834	159.6401	190.6068	0.248037	0.145945	0.283247	0.110946	-0.24413	0.380705
AT1G15820	LHC6	24863.55	29274.12	25659.09	11400.82	10306	10106.97	6989.036	8285.875	14596.83	27191.32	22662.24	23695.33	-1.28143	2.18E-09	-1.36919	1.39E-10	-0.11362	0.819853
AT1G15825	AT1G15825	23.77808	14.27397	10.30123	3.299325	3.974804	4.984204	0	1.07889	1.952492	21.10978	9.312338	12.43088	-1.6109	0.001728	-2.49362	4.9E-06	-0.12523	NA
AT1G15830	AT1G15830	126.0238	108.839	81.12222	34.64291	13.24935	33.89259	12.45025	26.97225	26.35864	80.60099	55.87403	83.90843	-1.78998	4.88E-08	-2.06725	1.27E-09	-0.47546	0.404471
AT1G15840	AT1G15840	1.188904	1.784246	0	0.412416	0	0	0	0	0	0	0	0	-0.38524	NA	-0.48588	NA	-0.47705	NA
AT1G15850	AT1G15850	0	0	1.287654	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19198	NA
AT1G15860	AT1G15860	306.7372	363.9862	327.0642	476.7524	493.5381	450.572	449.9876	367.9015	399.2846	408.7622	340.5655	350.1364	0.510204	0.000328	0.289907	0.068767	0.146335	0.597256
AT1G15870	AT1G15870	17.83356	12.48972	12.87654	25.56977	25.83622	26.9147	13.33955	14.02557	13.66744	22.06932	14.63367	19.68222	0.756749	0.054603	-0.09083	0.875386	0.334664	0.667756
AT1G15880	GOS11	310.3039	422.8663	359.2556	398.8059	379.5937	386.7742	340.6032	383.0059	384.6409	288.0202	303.3161	311.8079	0.102096	0.552438	0.028566	0.890464	-0.26074	0.629656
AT1G15885	AT1G15885	23.77808	26.76369	30.9037	45.77813	52.99738	34.88943	45.35448	38.84004	65.40848	39.34096	30.59768	34.18492	0.675187	0.040583	0.815066	0.015661	0.330188	0.595848
AT1G15890	AT1G15890	67.76752	71.36984	65.67037	81.24587	78.83361	93.70303	141.3993	105.7312	115.197	51.81492	55.87403	51.79533	0.292678	0.23165	0.802633	0.000256	-0.34633	0.397112
AT1G15900	AT1G15900	3.566712	3.568492	2.575309	2.886909	5.962205	0.996841	1.778607	2.15778	3.094984	4.797678	5.321336	1.035907	0.047869	0.955141	-0.17432	0.839608	0.11805	NA
AT1G15910	FDM1	330.5153	212.3253	235.6407	160.0172	168.2667	160.9142	152.9602	206.068	162.0568	262.6123	211.5231	241.3662	-0.66361	0.000549	-0.57649	0.004258	0.206875	0.565684
AT1G15920	CAF1-2	271.0701	251.5787	234.3531	177.3387	201.3901	214.3208	254.3408	242.7502	277.2539	230.2886	235.4691	261.0484	-0.35808	0.023714	0.031852	0.885383	-0.05833	0.874236
AT1G15930	RP512A	1601.454	1687.897	1630.17	2008.051	2139.769	1758.427	1188.999	1445.713	1978.851	1640.806	1543.187	1489.634	0.259235	0.174092	-0.09073	0.694627	-0.0721	0.860039
AT1G15940	AT1G15940	456.5391	363.9862	324.4889	291.1654	292.8105	336.9322	360.1679	421.846	368.8049	321.4444	357.8598	399.8599	-0.31503	0.084466	-0.03666	0.882284	-0.08705	0.821978
AT1G15950	CCR1	602.7743	628.0546	602.6222	548.5127	443.1906	531.3161	303.2525	391.637	318.2562	494.1608	468.2776	416.4344	-0.26218	0.097004	-0.8442	6.63E-09	-0.40401	0.049488
AT1G15960	NRAMP6	103.4346	324.2386	87.5605	77.12171	54.32232	56.81992	63.10559	52.86561	28.31113	105.5489	121.0604	106.6984	-0.41555	0.172192	-0.78439	0.009267	0.350851	0.47565
AT1G15970	AT1G15970	153.3686	144.5239	154.5185	141.871	162.9669	149.5261	142.2886	121.9146	168.8906	179.4332	143.6761	154.3501	0.000722	0.998289	-0.06219	0.811671	0.07859	0.856796
AT1G15980	PNSB1	1791.678	1951.965	1800.141	712.2417	751.9004	801.46	1298.383	1362.638	1374.554	1964.169	1874.441	1914.355	-1.28526	1.38E-46	-0.45411	1.44E-06	0.055032	0.790019
AT1G15990	ATCGNC7	0	0	2.575309	0.824831	1.324935	0	1.778607	0	2.928738	0	1.330334	1.035907	-0.08062	0.917913	0.279439	0.706436	-0.06701	NA
AT1G16000	AT1G16000	92.73451	94.56504	91.42346	215.2809	178.8662	130.5861	104.4885	101.4157	200.330	112.2657	105.0964	107.7343	0.875511	0.004946	0.521213	0.094956	0.209956	0.711972
AT1G16010	MRS1-1	403.0384	392.5341	400.4605	455.3068	378.9313	516.3635	459.7699	513.5516	428.572	388.6119	376.4845	331.4901	0.168423	0.33493	0.152114	0.207613	-0.12423	0.691846
AT1G16020	AT1G16020	185.469	189.1301	193.1482	147.6448	125.2063	142.5482	137.842	138.0979	146.7369	164.0806	142.3457	186.4632	-0.43968	0.010368	-0.41792	0.022407	-0.19349	0.539079
AT1G16022	AT1G16022	0	0	0.412416	0	0	0	0	0	0.976246	0.959536	0	0	0.06603	NA	0.151707	NA	0.160871	NA
AT1G16025																			

AT1G16520	AT1G16520	115.3237	112.4075	93.99877	137.3344	145.7428	138.5609	127.1704	142.4135	114.2208	149.6876	145.0064	135.7038	0.382797	0.044031	0.247786	0.256191	0.412048	0.139131
AT1G16530	LBD3	8.322328	10.70548	9.01358	10.7228	9.274542	10.96525	4.446517	8.63112	12.6912	12.47396	9.312338	11.39497	0.130347	0.834631	-0.09808	0.889016	0.222799	NA
AT1G16540	ABAB	101.0568	103.4863	123.6148	153.4186	121.2315	150.523	188.5323	172.6224	126.912	95.95356	106.4267	109.8061	0.360465	0.110597	0.554372	0.012791	-0.0744	0.886984
AT1G16550	AT1G16550	51.12287	49.95889	54.08148	21.03319	19.21155	25.91786	32.90423	34.52448	17.57243	43.1791	50.55269	30.04129	-1.1645	0.000176	-0.81075	0.015727	-0.31595	0.590219
AT1G16560	AT1G16560	345.971	401.4554	370.8445	503.5594	472.3392	468.5152	337.9353	374.3748	348.5198	319.5254	336.5745	343.921	0.373817	0.002902	-0.07133	0.673033	-0.15495	0.510598
AT1G16570	AT1G16570	99.86793	121.3287	90.1358	141.0461	120.569	127.5956	123.6132	106.8101	72.2422	98.83217	95.78405	109.8061	0.326888	0.187841	-0.02678	0.936038	-0.01879	0.977933
AT1G16590	REV7	27.34479	49.95889	39.91728	57.32576	44.38531	43.86099	26.6791	34.52448	38.07359	29.7456	21.28534	35.22082	0.338588	0.327623	-0.20117	0.629185	-0.36771	0.540476
AT1G16600	AT1G16600	0	0	0	0	0	1.324935	0	0.889303	0	0	0	0	0.194769	NA	0.126571	NA	0	NA
AT1G16610	SR45	366.1824	264.0684	221.4765	304.3627	325.2714	241.2355	216.99	290.2214	377.8072	186.1499	167.6221	222.7199	0.031515	0.925115	0.049651	0.885767	-0.54057	0.134038
AT1G16620	AT1G16620	19.02246	8.92123	9.13148	9.073143	15.23675	8.971567	12.45025	4.31556	11.71495	13.4325	22.61568	10.35997	-0.452	0.39271	-0.61283	0.265766	-0.07026	NA
AT1G16630	AT1G16630	102.2457	66.0171	83.69753	89.9066	92.08295	105.6651	86.26244	101.4157	82.98091	118.9824	138.3547	95.3034	0.156516	0.563597	0.077669	0.809102	0.44318	0.209108
AT1G16635	AT1G16635	1.188904	0	0	0.824831	1.324935	1.993682	0.889303	0	4.88123	0	0	0	0.403468	0.543105	0.612535	0.347843	-0.26246	NA
AT1G16640	AT1G16640	19.02246	5.352738	9.01358	23.09527	15.89921	12.95893	8.893035	6.83112	18.54867	12.47396	13.30334	7.251346	0.518819	0.327962	0.042275	0.951962	-0.06793	NA
AT1G16650	AT1G16650	77.27876	60.66437	74.68395	98.15491	96.05775	100.6809	122.7239	121.9146	103.4821	83.4796	83.81104	66.29802	0.440253	0.044789	0.675471	0.001842	0.112126	0.820936
AT1G16660	AT1G16660	0	0	0	0	0	1.324935	0	0.889303	1.07889	0	0.959536	0	0.212382	NA	0.323045	NA	0.393145	NA
AT1G16670	AT1G16670	129.5905	173.0719	139.0667	282.5047	320.6342	310.0175	227.6617	188.8057	209.8299	82.52006	62.5257	114.9856	1.031031	8.5E-08	0.502348	0.020211	-0.71468	0.009697
AT1G16680	AT1G16680	325.7597	353.2807	301.3111	244.5624	272.274	217.3113	227.6617	276.1958	273.3489	307.0514	270.0578	282.8025	-0.40194	0.01052	-0.32796	0.052657	-0.17965	0.52809
AT1G16690	AT1G16690	70.14533	55.31163	61.80741	55.26369	61.60946	52.83256	61.36194	58.26006	55.64602	54.69353	42.57069	60.08258	-0.14461	0.620694	-0.1018	0.760851	-0.23984	0.613587
AT1G16700	AT1G16700	389.9605	453.1983	503.4728	715.1286	716.1271	607.076	537.1393	445.5815	669.7048	430.8315	521.4909	337.1526	0.588258	0.000959	0.290406	0.152618	0.042766	0.926068
AT1G16705	AT1G16705	4.755616	1.784246	3.862963	0.824831	0	0.996841	0	0.107889	2.928738	7.67285	6.516297	2.071813	-1.15252	0.079523	-0.71034	0.332931	0.42455	NA
AT1G16710	HAC12	593.2631	519.2156	426.2136	255.2852	255.7124	352.8816	398.408	428.3193	278.301	396.2882	403.0912	409.1831	-0.81715	0.00035	-0.46545	0.030805	-0.33929	0.299464
AT1G16720	HF173	213.7005	2528.277	2303.614	1219.925	1083.134	1276.953	1855.628	1800.667	1731.626	2476.561	2161.793	2290.389	-0.94743	3.25E-13	-0.51499	7.53E-05	-0.00527	0.988934
AT1G16730	UP6	58.25629	62.44861	47.64321	58.56301	54.98478	39.87363	37.35075	24.81447	40.02609	102.6703	90.46271	78.7289	-0.09658	0.77973	-0.66257	0.028245	0.672584	0.068488
AT1G16740	AT1G16740	154.5575	187.3458	181.5593	369.1119	347.7953	184.4155	233.8868	202.8313	391.4746	215.8955	187.5771	194.7504	0.750373	0.007999	0.628494	0.035503	0.184481	0.75415
AT1G16750	AT1G16750	59.4452	73.15409	91.42346	63.92441	51.67245	55.82308	85.25124	84.15342	44.90732	95.95356	107.7571	103.5907	-0.3596	0.208934	-0.22101	0.500509	0.451003	0.274581
AT1G16760	AT1G16760	0	0	0	0	0	0	1.778607	0	0	0	0	0	-0.45434	NA	-0.14207	NA	-0.41988	NA
AT1G16770	AT1G16770	2.377808	3.568492	0	2.474493	3.974804	1.993682	1.778607	4.31556	4.88123	3.838143	0	2.071813	0.29067	0.709485	0.495332	0.519103	0.053943	NA
AT1G16780	VHP2	196.1692	157.0137	181.5593	85.78244	68.23413	94.69987	98.71269	137.019	66.38473	169.8378	127.7121	155.386	-1.06819	8.47E-06	-0.79829	0.001584	-0.22975	0.622741
AT1G16790	AT1G16790	38.04493	42.8219	52.79383	57.32576	59.62205	60.80729	38.24005	42.07671	74.1947	47.01725	53.21336	54.90305	0.384535	0.265338	0.193984	0.01013	0.197771	0.750218
AT1G16800	AT1G16800	107.0014	126.6815	99.14938	47.84021	43.06037	64.79465	60.47264	77.68008	53.69353	91.15588	91.79304	94.40703	-1.07274	1.58E-06	-0.76188	0.001375	-0.21857	0.613494
AT1G16810	AT1G16810	636.0636	706.5614	813.7975	1349.424	1438.879	1020.765	1088.507	863.112	1451.678	897.1658	1359.601	831.8239	0.791268	0.000652	0.63391	0.009093	0.497377	0.15612
AT1G16820	AT1G16820	16.64466	16.05821	9.01358	23.9201	23.18635	18.93997	19.56468	18.34113	23.4299	17.2164	10.64267	15.5386	0.613772	0.145788	0.496729	0.291396	0.073599	0.947496
AT1G16825	RTNLB23	13.07794	12.48972	21.89012	18.97112	23.18635	7.94726	17.78607	14.02557	13.23987	16.31211	6.65167	16.5745	0.087131	0.887538	0.340472	0.552882	-0.20363	0.851049
AT1G16830	AT1G16830	17.78356	16.05821	15.45185	16.49662	17.88862	17.94313	19.56468	17.26224	19.54292	12.47396	19.95501	23.82585	0.061477	0.907332	0.167975	0.752814	0.152451	0.869575
AT1G16840	AT1G16840	315.0595	299.7533	296.1605	386.4334	450.4777	357.8658	409.9689	390.5582	464.6931	259.0746	231.4781	294.1975	0.386447	0.014554	0.465874	0.00355	-0.20885	0.458722
AT1G16850	AT1G16850	21.40027	24.97944	18.02716	21.03319	11.92441	16.94629	9.782338	14.02557	29.28738	23.02886	15.96401	14.50269	-0.29425	0.560736	-0.2327	0.678688	-0.21114	0.829037
AT1G16858	CPuORF55	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G16860	AT1G16860	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G16870	AT1G16870	192.6024	251.5787	172.5457	222.292	210.6646	182.4219	235.6654	215.778	224.5366	201.5025	186.2468	254.833	0.014177	0.955072	0.14142	0.55111	0.07245	0.870405
AT1G16880	ACR11	3024.5732	3059.982	2956.544	2512.848	2645.894	2465.187	4181.505	4229.249	4222.264	3411.149	3699.659	3216.49	-0.24417	0.000859	0.480301	3.08E-08	0.190438	0.16306
AT1G16890	UBC36	571.8628	617.3491	706.9222	976.6001	976.4768	796.4758	748.7935	712.0674	781.7877	624.5571	752.969	697.1651	0.530449	0.000383	0.29439	0.076636	0.126012	0.676985
AT1G16900	ALG9	177.1467	205.1883	171.258	256.1101	209.3397	238.2449	257.898	263.2491	174.748	169.8378	151.6581	127.4165	0.34436	0.109119	0.326258	0.15378	-0.28735	0.424257
AT1G16905	AT1G16905	0	0	0	0.412416	0.662467	0	0	1.07889	0	0	0	0	0.209628	NA	0.176186	NA	0	NA
AT1G16910	LSH8	2.377808	0	2.575309	0.412416	0	0	1.07889	1.952492	0.959536	1.330334	2.071813	0	-0.85025	0.179446	-0.2985	0.695283	-0.09685	NA
AT1G16916	AT1G16916	36.85602	23.1952	30.9037	55.26369	62.27192	39.87363	43.57587	35.60337	136.7644	37.42189	47.89202	50.75942	0.676959	0.12583	1.07605	0.012254	0.482542	0.523739
AT1G16920	RABA11	224.7028	221.2651	245.26379	252.3983	249.0877	236.2513	391.2002	186.648	233.603	245.6411	192.8984	264.1562	0.075714	0.175586	-0.21612	0.270086	0.010602	0.983524
AT1G16930	AT1G16930	77.27876	73.15409	84.98519	70.93548	71.54647	61.80413	94.26617	80.91675	53.69353	78.68192	87.80204	82.87252	-0.19336	0.493324	-0.04063	0.906807	0.072415	0.901337
AT1G16940	AT1G16940	0	1.784246	0	0	0	0	1.778607	1.07889	0	0	1.330334	1.035907	-0.37637	NA	0.234767	NA	0.125921	NA
AT1G16950	AT1G16950	57.06739	97.86173	97.86173	87.01969	101.3575	80.7441	122.7239	90.62675	142.5319	93.07496	123.7211	91.15977	0.390919	0.293355	0.695218	0.01101	0.484786	0.246344
AT1G16960	KU70	131.9683	132.0342	164.8198	218.5803	211.3271	215.3176	186.7537	182.3324	199.1542	109.3871	146.3367	146.0628	0.574579	0.000955	0.393681	0.040297	-0.10341	0.979512
AT1G16980	ATTP52	0	0	0	0.662467	0.996841	2.66791	0	0.976246	0.959536	0	0	0	0.235649	NA				

AT1G17450	AT1G17450	280.5813	235.5205	226.6272	182.7001	199.4026	223.2923	231.2189	230.8824	147.4131	201.5025	167.6221	183.3555	-0.29571	0.172705	-0.28026	0.227064	-0.41456	0.180174
AT1G17455	EFL4	66.57862	73.15409	63.09506	113.0019	141.768	49.69987	126.2811	79.83786	153.2706	81.56053	113.0784	103.9760	0.754069	0.005395	0.790494	0.004479	0.52384	0.217892
AT1G17460	TRFL3	66.57862	82.07532	77.25926	203.7333	220.6016	200.365	244.5585	189.8846	189.3917	92.11542	79.82004	79.7648	1.438765	1.58E-14	1.437659	4.03E-14	1.16354	0.126189
AT1G17470	DRG1	771.5987	806.4792	860.1531	685.8471	706.8526	723.7064	750.5721	808.0886	785.878	937.4663	826.1374	899.1669	-0.20421	0.074541	-0.05658	0.694191	0.128225	0.515143
AT1G17480	IDQ7	53.50068	51.74313	37.34198	62.68717	68.8966	56.81992	48.91169	42.07671	49.78855	57.57214	70.5077	38.32854	0.392181	0.188625	-0.11617	0.977976	0.201796	0.728155
AT1G17490	AT1G17490	40.02247	51.74313	60.51975	132.7978	135.1433	91.70935	86.26244	97.10009	194.273	79.64146	61.19536	78.7289	1.155911	0.000205	-0.12137	0.00012	0.486441	0.368903
AT1G17495	AT1G17495	0	0	0	0.412416	0	0	0	0	0	0.995936	0	0	0.066171	NA	0	NA	0.145274	NA
AT1G17500	ALA4	355.4823	303.3218	275.558	301.8882	317.3218	425.651	289.9129	323.667	218.6791	231.2481	232.8084	244.4739	0.149321	0.519509	-0.1652	0.499254	-0.38995	0.205441
AT1G17510	AT1G17510	61.82301	58.88012	45.0679	82.89553	111.2945	83.73463	68.47637	75.5223	102.5058	61.41028	65.18636	65.26211	0.71566	0.005076	0.546449	0.050465	0.199524	0.71013
AT1G17520	AT1G17520	143.8574	167.7191	144.2173	214.8685	208.0147	192.3903	217.8794	178.0168	194.273	165.4001	204.8714	162.6373	0.437188	0.012632	0.375652	0.046577	0.219939	0.487822
AT1G17530	TIM23-1	128.4016	146.3082	135.2037	249.5114	208.0147	238.2449	238.2449	164.5211	207.1469	248.9427	112.2657	113.0784	108.7702	0.75197	6.26E-05	0.586421	-0.2822	0.424053
AT1G17540	AT1G17540	0	0	0	0	0	0	0.889303	0	0	0.995936	3.991002	0	0	NA	0.145848	NA	0.689542	NA
AT1G17545	AT1G17545	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G17550	HAB2	491.0173	422.8663	431.3642	265.1832	251.7376	286.0933	369.0609	415.3726	297.755	393.4096	359.1902	421.614	-0.73767	1.28E-06	-0.31244	0.069557	-0.19348	0.493509
AT1G17560	HLL	54.68958	57.09587	57.94445	61.44992	77.50867	34.25624	33.79353	35.60337	48.8123	50.85539	45.23135	71.47755	0.191532	0.551516	-0.49202	0.121136	-0.00819	0.992157
AT1G17570	AT1G17570	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G17580	XI-1	508.8509	400.0033	381.1457	250.3363	238.4882	299.0522	320.1493	332.2981	182.558	391.4905	353.8688	417.4703	-0.72534	0.000794	-0.64078	0.004339	-0.17688	0.681579
AT1G17590	NYFA8	71.33424	74.93833	52.79383	105.5784	129.1811	76.75674	72.92289	80.91675	76.14719	71.96517	102.4357	68.36983	0.635322	0.016312	0.20228	0.54473	0.266848	0.595038
AT1G17600	AT1G17600	87.97888	80.29107	66.95803	138.1592	135.8058	164.4787	137.842	152.1235	94.69586	35.50282	41.24035	51.79533	0.861264	0.000241	0.681381	0.006473	-0.82529	0.015829
AT1G17610	AT1G17610	77.27876	82.07532	70.82099	153.0062	172.2415	184.4155	171.6356	157.5179	189.3917	41.26003	45.23135	47.6517	1.116342	3.88E-04	1.1494	2.52E-09	-0.74164	0.012784
AT1G17615	AT1G17615	0	0	0	4.536571	1.949607	1.993862	25.7898	28.05114	21.47741	0	0.391002	0	1.490486	0.013989	3.450463	4.26E-10	0.370305	NA
AT1G17620	AT1G17620	167.6355	107.0548	139.0667	268.2699	164.9544	226.2829	166.6344	159.6757	225.5128	139.1327	137.0244	142.9551	0.501982	0.035718	0.307947	0.254713	0.006099	0.992882
AT1G17630	PCMP-E72	13.07794	17.84246	12.87654	16.49662	19.87402	13.95577	19.56468	16.18335	12.6912	22.06932	17.29434	22.78994	0.205053	0.677848	0.148997	0.792621	0.476985	0.513227
AT1G17640	AT1G17640	23.77808	33.90067	39.91728	23.9201	20.53649	34.88943	16.00746	28.05114	31.23987	30.70514	22.61568	32.1131	-0.29112	0.482351	-0.34052	0.440143	-0.15551	0.852376
AT1G17650	GLYR2	332.8931	356.8492	356.6803	212.394	225.9013	204.3524	313.9242	353.8759	330.9474	443.3055	360.5205	385.3572	-0.69038	3.81E-07	-0.06597	0.276659	0.188027	0.439946
AT1G17660	AT1G17660	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G17665	AT1G17665	4.755616	8.92123	2.575309	42.06639	52.99738	60.80729	228.551	209.3046	279.2064	1.919071	11.97301	10.35907	2.713811	8.6E-13	4.864411	6.65E-41	0.322175	0.735155
AT1G17670	AT1G17670	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G17680	AT1G17680	246.1031	256.9314	230.4901	238.3762	213.9769	279.1154	296.1381	310.7203	213.7979	244.6816	204.8714	239.2944	-0.00723	0.977474	0.15987	0.48507	-0.08302	0.849079
AT1G17690	NOF1	190.2246	240.8732	187.9975	238.3762	183.5034	204.3524	214.3221	220.0935	186.463	206.3002	175.6041	213.3967	0.031688	0.89679	0.01327	0.960349	-0.04142	0.928827
AT1G17700	PRA1F1	38.86504	23.1952	23.17778	11.13522	5.962205	7.94726	4.446517	10.7889	8.786214	20.15025	15.96401	20.71813	-1.49055	0.000273	-1.56889	0.000327	-0.49523	NA
AT1G17710	AT1G17710	1.188904	7.136984	1.287654	4.124156	5.962205	3.987363	5.335821	0	6.833722	4.797678	6.65167	6.215439	0.397225	0.582542	0.274406	0.735068	0.605849	NA
AT1G17720	CP2AB2	532.629	463.904	544.6778	667.7008	614.7696	727.6938	683.7744	703.4362	516.3441	591.0739	603.9716	535.5637	0.372554	0.018744	0.296499	0.081556	0.160621	0.582115
AT1G17730	HPM1A	268.6923	314.0273	309.037	408.7038	396.1554	346.9006	377.6747	335.5348	440.2869	349.4271	421.7159	325.2747	0.369469	0.030833	0.367681	0.039664	0.195112	0.277049
AT1G17744	AT1G17744	0	0	0	0.412416	0	0	0.889303	0	0	0.995936	0	0.071813	0.04517	NA	0.152348	NA	0.507629	NA
AT1G17745	PGDH2	186.6579	126.6815	135.2037	245.3873	272.9365	316.9954	401.9652	465.0016	632.0744	123.7801	111.7481	112.9138	0.853291	6.46E-05	1.67989	1.3E-16	-0.35836	0.340479
AT1G17750	PEPR2	30.9115	24.97944	16.73951	22.27044	25.83622	27.91154	29.34701	35.60337	49.78855	34.54328	17.29434	22.78994	0.037433	0.941517	0.597261	0.138954	0.053177	0.960085
AT1G17760	CSTF77	185.469	157.0137	160.9568	146.4075	152.3675	162.485	160.0746	134.8612	116.1733	142.9708	182.2558	190.6068	-0.13291	0.556808	-0.28743	0.191615	0.025574	0.961209
AT1G17770	SUVH7	2.377808	0	0	0	0	0	0.107889	0	0	0	0	0	-0.37984	NA	-0.18615	NA	-0.35339	NA
AT1G17780	AT1G17780	177.1467	183.7773	159.6691	219.8175	238.4882	230.2702	251.6729	212.5413	205.0117	151.6066	164.9614	174.0323	0.398476	0.015386	0.362092	0.039336	-0.08199	0.83156
AT1G17790	GTE5	117.7015	96.34929	117.1765	110.115	121.2315	97.6904	118.2774	108.9679	139.6032	132.4159	133.0334	122.237	-0.01339	0.960674	0.134267	0.592055	0.209584	0.565939
AT1G17800	ENODL22	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT1G1810	TIP3-2	0	0	0	0.412416	0	0	0.889303	0	0	0.995936	0	0	0.066524	NA	0.14834	NA	0.160633	NA
AT1G1820	AT1G1820	216.3805	203.404	182.8469	233.0148	194.7654	243.2291	273.0162	305.3259	171.8193	210.1383	198.2198	199.93	0.148696	0.557618	0.305315	0.208389	0.01348	0.983524
AT1G1830	AT1G1830	22.58917	23.1952	23.17778	42.4788	59.62205	42.86415	56.91542	38.84004	62.47974	33.58375	33.25835	37.29264	0.987671	0.001879	1.116152	0.000594	0.538156	0.322973
AT1G1840	ABCG11	545.7069	617.3491	527.9383	470.5662	451.1402	539.2909	503.9287	445.1627	482.6682	554.6116	669.158	591.5026	-0.20861	0.170507	-0.28613	0.062804	0.101957	0.721465
AT1G1850	STR8	148.613	194.4828	180.2716	138.984	107.3197	143.5451	181.4179	193.1213	107.3871	204.3811	180.9254	188.535	-0.4062	0.096519	-0.10991	0.721838	0.135668	0.781977
AT1G1860	AT1G1860	41.61164	57.09587	51.50617	91.14384	123.2189	105.6651	120.9453	90.62675	124.9955	61.66468	68.2468	52.8323	1.039066	0.000249	1.11264	0.000111	-0.46918	0.369554
AT1G1870	EGY3	60.6341	60.66437	65.67037	55.05532	27.82363	28.90838	29.34701	30.20892	25.3824	62.36982	69.17737	65.26211	-0.96088	0.000148	-1.08091	6.93E-05	0.068789	0.912004
AT1G1880	BTf3	1436.196	1372.085	1522.007	1490.057	1776.075	1344.738	1324.173	1265.538	1769.934	1618.737	1810.585	1659.522	0.089193	0.654846	0.009711	0.968669	0.227962	0.405476
AT1G1890	GER2	153.0595	317.5958	300.9272	396.7438	425.9665	349.8911	303.2525	293.4581	409.0471	233.1672	282.0308	279.6948	0.280811	0.122587	0.060688	0.798866	-0.27503	0.336162
AT1G1900	AT1G1900	0	0	0	0	0	0	1.778607	0	0	0	0	0	0	NA	0.248756	NA	0	NA
AT1G1910	WAKL13	0	1.78424																

AT1G18410	AT1G18410	9.511232	8.92123	7.725926	11.96005	12.58688	10.96525	12.45025	9.710009	7.809968	9.595356	6.65167	10.35907	0.376954	0.491109	0.162125	0.808296	0.031561	NA
AT1G18415	AT1G18415	21.40027	19.62671	11.58889	12.78488	17.22415	9.968408	14.22886	10.7889	13.66744	12.47396	13.30334	13.46678	-0.32316	0.506625	-0.37238	0.472761	-0.36147	NA
AT1G18420	ALMT3	3.566712	1.784246	0	0.412416	1.324935	1.939682	0.889303	1.07889	0.976246	2.878607	5.321336	4.143626	-0.33302	0.665618	-0.36127	0.6516	0.66729	NA
AT1G18430	AT1G18430	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G18440	AT1G18440	120.0793	90.99655	104.3	117.5384	93.40789	87.72199	110.2736	96.0212	72.2422	111.3061	98.44471	165.745	-0.0726	0.827713	-0.17766	0.586709	0.238311	0.621889
AT1G18450	ARP4	469.6171	444.2773	459.6926	519.2312	476.9764	507.392	502.4565	457.4493	443.2157	429.872	389.7879	469.2657	0.128149	0.374129	0.029625	0.810747	-0.08949	0.737834
AT1G18460	AT1G18460	681.242	594.1539	585.8827	611.3738	265.6494	289.0388	251.6729	253.5391	157.1756	671.6749	726.3623	592.5385	-1.07873	5.04E-10	-1.45684	1.55E-10	0.093089	0.815889
AT1G18470	AT1G18470	463.6725	531.7053	459.6926	643.3683	700.8904	768.8486	577.6866	686.174	713.6358	522.9469	525.4819	470.3016	0.474718	5.8E-05	0.567815	1.5E-06	0.062625	0.810508
AT1G18480	AT1G18480	131.9683	128.4657	139.0667	233.0148	240.4756	258.1818	218.7687	216.8569	278.2301	135.2945	123.7211	139.8474	0.849228	2.81E-07	0.81807	1.45E-06	-0.00198	0.996883
AT1G18485	PCMP-H8	184.2801	165.9349	167.3951	100.6294	100.695	138.5609	209.8756	196.358	164.0093	143.9303	164.9614	180.2477	-0.61335	0.00163	0.134778	0.581989	-0.08385	0.852822
AT1G18486	AT1G18486	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G18490	PCO3	171.2022	180.2088	209.8877	206.6202	190.1281	168.4616	174.3035	181.2535	195.2492	186.1499	218.1748	160.5655	0.017682	0.943667	-0.0281	0.912764	0.001938	0.996883
AT1G18500	IPMS1	680.0531	606.6437	592.321	403.7548	408.0798	504.4014	651.8595	688.3318	617.9637	572.8428	603.9716	558.3536	-0.5164	9.02E-05	0.056898	0.754048	-0.11618	0.657798
AT1G18510	TE16	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT1G18520	TE11	0	0	1.287654	0	0	0	0	0	0	0.959536	0	0	-0.22221	NA	-0.2076	NA	-0.03666	NA
AT1G18530	CML15	1.188904	0	1.287654	1.649662	1.987402	0.996841	0.889303	0	4.88123	0.959536	1.330334	0	0.28397	0.705468	0.402055	0.592055	-0.08247	NA
AT1G18540	RPL6A	2768.957	2662.095	3089.083	3180.136	4022.501	3010.459	2580.759	2466.342	3452.006	2985.115	3103.669	3067.319	0.256799	0.144726	-0.00376	0.987444	0.101658	0.768141
AT1G18550	AT1G18550	59.4452	37.46917	61.80741	58.1506	52.33491	73.76622	56.02612	56.10228	43.93107	58.53167	57.20436	56.97486	0.165041	0.600335	-0.04857	0.899429	0.091696	0.884754
AT1G18560	AT1G18560	58.25629	64.23286	54.08148	44.54088	41.73544	49.84204	55.13682	67.97007	45.88356	51.81492	70.5077	59.04667	-0.36144	0.195728	-0.05727	0.876899	0.033796	0.961988
AT1G18570	MYB51	127.2127	151.6609	139.0667	514.6946	594.8956	732.678	1035.149	1010.92	1047.512	84.43914	89.13238	110.842	2.094706	1.39E-36	2.835847	5.09E-67	-0.52949	0.054981
AT1G18580	GAUT11	208.0582	235.5205	169.9704	157.1303	163.6294	194.384	182.3072	226.5669	149.3566	157.3638	160.9704	157.4578	-0.2471	0.257126	-0.12855	0.614039	-0.35092	0.274581
AT1G18590	SOT17	502.9064	326.517	392.7346	364.1643	392.7346	302.0428	348.607	285.9058	387.3657	179.7678	344.5565	455.4879	-0.33289	0.124126	-0.25524	0.28017	0.062685	0.896393
AT1G18600	ATRB12	135.535	119.5445	112.0259	168.2656	152.3675	146.5356	158.296	153.2024	118.1258	142.0113	107.7571	117.0574	0.342074	0.100671	0.217806	0.362274	0.002627	0.996376
AT1G18610	AT1G18610	89.1678	55.31163	97.86173	55.26369	56.30972	60.80729	74.70149	66.89118	59.55101	104.5894	90.46271	83.90843	-0.50306	0.042446	-0.279	0.33106	0.176295	0.714381
AT1G18620	AT1G18620	1723.911	1894.869	1831.044	566.2466	639.2809	731.6811	660.7525	614.9673	483.2418	1644.644	1891.735	1561.111	-1.472	8.43E-29	-1.60431	8.04E-29	-0.09505	0.76911
AT1G18630	RBG6	24.96698	23.1952	25.75309	58.1506	49.02258	60.80729	32.90423	36.68226	60.52725	27.82653	22.61568	49.72351	1.076558	0.001723	0.730459	0.055263	0.395844	0.546963
AT1G18640	PSP	243.7253	344.3595	341.2284	275.4936	330.5712	317.9922	319.2599	277.2747	287.0163	413.5599	361.8508	347.0287	-0.00556	0.981347	-0.06409	0.789899	0.274679	0.329153
AT1G18650	PDCB3	271.0701	274.7739	276.8457	137.7468	139.7806	128.5925	119.1667	130.5457	129.8407	271.5486	263.4061	286.9461	-0.9986	2.73E-13	-1.10041	1.88E-14	0.001096	0.997611
AT1G18660	AT1G18660	525.4955	479.9622	578.1568	527.4795	535.936	563.215	771.9514	648.4129	471.5268	587.2580	610.6233	649.5134	0.034732	0.880464	0.249952	0.216902	0.215547	0.494715
AT1G18670	IBS1	187.8468	181.9931	198.2988	107.6405	108.6446	130.5861	136.0634	142.4135	85.90965	182.3118	139.6851	154.3501	-0.7016	0.000741	-0.62377	0.004353	-0.24309	0.52532
AT1G18680	AT1G18680	55.87849	65.64381	70.82099	88.66935	83.47088	58.81361	53.35821	56.10228	62.00466	72.92471	63.85603	53.86714	0.149025	0.651606	-0.12664	0.713337	-0.13027	0.836577
AT1G18690	GT4	73.71204	66.0171	61.80741	67.63615	74.19633	75.7599	72.92289	80.91675	68.33722	47.97678	73.16837	60.08258	0.096076	0.745408	0.130301	0.673926	-0.16661	0.74185
AT1G18700	AT1G18700	338.8376	308.6746	330.9272	365.8126	331.8961	367.8342	439.3159	390.5582	328.0187	306.9191	357.8598	337.905	0.117849	0.511678	0.237404	0.169208	0.027512	0.946861
AT1G18710	AlMYB47	33.28931	55.31163	61.80741	48.66504	51.67245	64.79465	188.5323	165.0702	256.7527	66.20796	31.92802	53.93785	0.322996	0.340196	0.213922	2.96E-15	0.266212	0.654642
AT1G18720	AT1G18720	372.1269	410.3766	406.8988	764.6185	726.7266	661.9023	749.6828	667.8329	846.4053	481.6869	525.4819	365.675	0.844404	7.13E-08	0.913943	5.74E-09	0.201717	0.499192
AT1G18730	PNSB4	544.518	460.3355	582.0198	368.6995	374.9565	301.0459	626.959	536.2083	785.878	742.6806	800.8611	939.5672	-0.58901	0.001122	0.287907	0.156113	0.629569	0.004491
AT1G18735	AT1G18735	0	0	0	0.662467	0	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT1G18740	AT1G18740	467.2393	544.195	471.2815	653.6787	737.9885	1069.61	1118.744	1092.916	1606.901	409.7217	489.5629	456.8348	0.707339	0.000786	1.326167	3.62E-11	-0.12432	0.786163
AT1G18745	AT1G18745	65.38972	66.0171	64.38272	120.4253	172.904	125.6019	132.5062	107.889	150.3419	66.20796	51.88302	72.51346	0.959402	0.000067	0.959402	0.000067	-0.02887	0.967712
AT1G18750	AGL65	57.06739	83.85956	68.24568	59.80026	51.67245	69.77885	91.59826	60.41784	55.64602	71.00564	75.82904	78.7289	-0.19168	0.535169	0.013097	0.972376	0.119265	0.844242
AT1G18760	AT1G18760	0	0	0	0.824831	0	0	0	0	0	0	0	0	0.173038	NA	0	NA	0	NA
AT1G18770	AT1G18770	45.17835	69.5856	47.64321	43.30364	42.39791	47.84836	48.91169	35.60337	61.5035	68.12703	82.48071	59.04667	-0.25238	0.434537	-0.11687	0.760851	0.366529	0.448796
AT1G18780	AT1G18780	1.188904	0	0	0	0	0	0	0	0	0	1.330334	0	-0.22006	NA	-0.20393	NA	0.001199	NA
AT1G18790	RKD1	0	0	0	0	0.662467	0	0	0	0.976246	0	0	0	0.099421	NA	0.15305	NA	0.164334	NA
AT1G18800	NRP2	340.0265	347.928	337.3654	426.4377	480.2888	401.7268	304.1418	356.0337	447.1207	355.0282	405.7519	1396.7522	0.347643	0.043004	0.108499	0.614311	0.170728	0.58641
AT1G18810	PKS3	260.37	251.5787	233.0654	164.9662	176.2163	183.4187	112.0522	119.7568	96.64835	323.3635	446.9922	263.1203	-0.49563	0.016263	-1.1463	1.22E-08	0.455696	0.117619
AT1G18820	AT1G18820	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G18830	SEC31A	42.80054	53.52738	51.50617	978.2497	965.2148	1176.272	1045.821	965.6065	543.769	59.49121	59.86503	52.83123	4.198872	4.35E-70	3.920071	5.88E-61	0.195004	0.738346
AT1G18835	MF13	3.566712	0	3.862963	2.062708	2.649869	2.990522	0.889303	2.15778	1.952492	1.919071	2.660668	4.143626	-0.03991	0.963026	-0.35329	0.661858	0.077606	NA
AT1G18840	IQD30	467.2393	454.9827	499.6099	291.9902	286.1859	355.8722	293.4701	263.2491	229.4179	513.3516	560.0706	485.8402	-0.60592	3.13E-05	-0.84158	8.95E-09	0.128554	0.655065
AT1G18850	AT1G18850	124.8349	101.702	118.4642	141.4585	145.7428	139.5577	71.14428	84.15342	47.4131	92.83681	98.44471	104.6266	0.290034	0.2937	-0.18784	0.554125	-0.2358	0.626348
AT1G18860	WRKY61	1.188904	3.568492	2.575309	19.79595	18.54908	15.94945	17.78607	14.9668	5.857476	1.9190								

AT1G19360	AT1G19360	418.4942	431.7875	418.4877	409.1163	440.5407	489.4488	408.1903	418.6093	397.3321	327.2016	345.8868	348.0646	0.071691	0.642608	-0.05017	0.774442	-0.30957	0.097698
AT1G19370	AT1G19370	194.9802	189.1301	162.2444	171.9773	156.3423	201.3618	241.8905	256.7758	179.6293	166.9592	154.3187	163.6732	-0.04963	0.842361	0.305522	0.150286	-0.16462	0.662652
AT1G19371	MIR169H	1.188904	0	1.287654	0	0	0	0	0	0	0.995936	0	0	-0.47979	NA	-0.44744	NA	-0.23773	0
AT1G19373	AT1G19373	0	0	0	0.824831	0	0	0	0	0	0	0	0	0.173038	NA	0	NA	0	NA
AT1G19376	AT1G19376	0	0	0	0	0.662467	0.996841	0	0	0	0.995936	1.330334	0	0.285723	NA	0	NA	0	0.388126
AT1G19380	AT1G19380	29.7226	57.09587	41.20494	151.7689	141.1055	239.2418	178.75	166.1491	359.2585	43.1791	33.25835	42.47217	1.902112	2.43E-09	2.286926	4.18E-13	-0.05758	0.933388
AT1G19390	WAKL11	2.377808	0	0	0	0.662467	0	0.889303	0	0.889303	0	0	0.1035907	-0.28767	NA	-0.22746	NA	-0.20325	NA
AT1G19392	AT1G19392	0	0	0	4.948987	5.962205	0.996841	6.225124	5.39445	5.857476	0	0	0	1.488174	0.017143	1.794678	0.004012	0	NA
AT1G19394	AT1G19394	36.85602	60.66437	25.75309	38.35465	39.74804	42.86415	50.6903	44.23449	28.31113	45.09817	75.82904	40.40035	-0.00279	0.995811	0.029629	0.952843	0.371431	0.556796
AT1G19396	AT1G19396	29.7226	19.62671	38.2384	28.86909	29.81103	30.90206	34.68284	35.60337	21.47741	41.26003	23.94601	25.89766	0.160353	0.708277	0.196024	0.665432	0.203502	0.78583
AT1G19397	AT1G19397	45.17835	62.44861	64.38272	56.08852	73.53387	53.8294	69.36567	58.26006	63.45599	49.89585	42.57069	56.97486	0.102543	0.754741	0.15915	0.663754	-0.17423	0.757259
AT1G19400	AT1G19400	1084.28	1143.702	1131.848	727.5011	804.8977	797.4726	826.1629	871.7431	846.4053	958.5761	1025.687	1023.476	-0.52636	5.61E-08	-0.39789	8.53E-05	-0.15845	0.344719
AT1G19410	AT1G19410	0	0	0	1.237247	2.649869	0.996841	0.889303	2.15778	0	0	0	0	0.824123	NA	0.497178	NA	0	NA
AT1G19415	AT1G19415	0	3.568492	0	0.412416	0.662467	0.996841	1.778607	0	0	0.995936	1.330334	1.035907	-0.18238	0.803186	-0.18357	0.809158	0.044433	NA
AT1G19420	AT1G19420	5.94452	1.784246	5.150617	1.237247	3.312336	0.996841	0.889303	2.15778	2.928738	3.838143	10.64267	4.143626	-0.7577	0.262865	-0.67341	0.355579	0.31402	NA
AT1G19430	AT1G19430	354.2934	292.6163	305.1741	217.343	223.2515	239.2418	227.6617	277.2747	209.8929	293.6179	343.2262	322.1669	-0.48682	0.002084	-0.41378	0.013751	0.003009	0.994833
AT1G19440	KCS4	307.9261	258.7157	300.0235	311.5606	329.8436	120.6177	140.51	179.7568	130.817	275.8667	263.4061	334.5978	-1.16086	5.42E-14	-1.12887	0.181152	0.008366	0.986396
AT1G19450	AT1G19450	1249.538	1381.368	1052.014	313.4356	316.6594	298.0554	222.3259	190.9635	157.1756	97.73863	870.0384	1114.635	-1.9436	7.15E-39	-2.62798	3.99E-65	-0.29811	0.230043
AT1G19460	AT1G19460	0	0	1.784246	0	0	0	0	0	0	0.995936	0	0	-0.26756	NA	-0.24986	NA	-0.06955	NA
AT1G19464	MIR864A	0	0	0	0	0.412416	1.987402	0	0	0	0	0	0	0.412841	NA	0	NA	0.166173	NA
AT1G19470	AT1G19470	0	1.784246	0	0	0	0	0.996841	1.778607	0	0	0	0	-0.10411	NA	0.005052	NA	-0.23903	NA
AT1G19480	AT1G19480	68.95643	67.80135	57.94445	50.3147	58.95959	47.84836	49.80009	77.68008	44.90732	58.53167	63.85603	63.1903	-0.29031	0.318764	-0.17395	0.606482	-0.05979	0.920759
AT1G19485	AT1G19485	303.1705	296.1848	332.2148	280.0302	270.9491	308.0238	309.4776	376.5326	251.8715	336.797	375.1542	320.0951	-0.11966	0.555691	0.005964	0.980616	0.141108	0.675176
AT1G19490	AT1G19490	52.31177	24.97944	38.62963	31.756	32.4609	27.91154	24.01119	23.73558	9.76246	30.70514	27.93701	33.14901	-0.32138	0.410523	-0.94242	0.01205	-0.33058	0.617041
AT1G19500	AT1G19500	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G19510	RLS	16.64466	14.27397	15.45185	8.660727	15.23675	18.93997	19.56468	18.34113	22.45366	13.4335	13.30334	18.64632	-0.17152	0.745737	0.330819	0.520136	-0.03038	0.981084
AT1G19520	NFD5	310.3039	240.8732	271.6951	207.0326	172.904	209.3366	199.204	224.4091	219.6553	225.4909	246.1118	254.833	-0.48204	0.002644	-0.48204	0.002644	-0.18552	0.528935
AT1G19530	AT1G19530	5.94452	1.736894	31.41842	23.9201	19.21155	15.94945	22.23259	19.42002	18.54867	19.19071	14.63367	10.35907	0.738402	0.109816	0.736438	0.134378	0.348952	0.699043
AT1G19540	AT1G19540	77.27876	67.80135	91.42346	51.96436	52.33491	46.85152	66.69776	64.7334	56.62227	79.64146	82.48071	108.7702	-0.62427	0.008744	-0.32725	0.232877	0.182899	0.694014
AT1G19550	AT1G19550	146.2352	114.1917	162.2444	152.5938	175.5538	133.5767	184.0858	152.1235	197.2017	228.3665	219.5051	226.8635	0.116828	0.612712	0.316924	0.138442	0.647332	0.006028
AT1G19560	AT1G19560	0	0	2.975309	1.649662	0.662467	0	0	1.952492	6.716749	1.330334	2.071813	0	-0.05806	0.940729	-0.13163	0.871899	0.77663	NA
AT1G19570	DHAR1	1424.307	1134.78	1469.214	1243.433	1476.64	1227.111	1552.724	1465.133	1852.915	2325.914	2423.868	1672.989	-0.03018	0.902149	0.266718	0.189185	0.656975	0.002383
AT1G19580	GAMMAA21	160.502	198.0513	167.3951	214.0437	164.2919	205.3492	161.8532	167.2279	188.1555	181.3522	123.7211	196.8222	0.154397	0.521432	-0.01611	0.9573	-0.05001	0.92396
AT1G19600	AT1G19600	366.1824	301.5376	336.0778	281.2674	265.6494	256.1881	252.5622	298.8525	322.1612	356.9473	248.7725	417.4703	-0.31518	0.128251	-0.19988	0.392725	0.028642	0.957008
AT1G19610	PDF1.4	3.566712	3.568492	1.287654	44.12847	45.04777	30.90206	43.57587	40.99782	80.05217	0	0	0.207183	2.971129	1.18E-10	3.373179	1.88E-13	-0.70265	0.493509
AT1G19620	AT1G19620	8.322328	5.352738	16.73951	8.248311	4.637271	11.96209	13.33955	8.63112	9.76246	14.39303	18.62468	5.179533	-0.28872	0.644562	0.029318	0.96844	0.220143	NA
AT1G19630	CYP72A1	16.64466	10.70548	10.30123	8.660727	17.2904	9.274542	8.971567	15.11816	10.7889	8.637722	15.32527	20.71813	-0.42951	0.419793	-0.1764	0.78226	0.324766	NA
AT1G19640	JMT	28.53369	10.70548	24.46543	3.71174	3.312336	6.997788	6.225124	7.55223	5.857476	30.70514	54.54369	32.1131	-1.90545	1.74E-05	-1.44383	0.002049	0.76182	0.234017
AT1G19650	SFH4	279.3924	289.0479	231.7778	289.1033	275.5864	299.0575	422.4192	374.3748	288.9688	341.5947	345.8868	293.1615	0.109488	0.607936	0.435195	0.01848	0.289112	0.313786
AT1G19660	BD2	2086.526	2720.975	2351.257	2333.035	2148.381	2223.952	3216.611	3480.499	3076.151	2808.561	2779.068	2508.966	-0.09143	0.541562	0.446163	0.000359	0.177399	0.405476
AT1G19670	CLH1	586.1296	727.9724	699.1963	1114.347	1051.336	1028.74	2353.986	2300.193	2653.437	903.8826	1046.973	726.1705	0.657846	1.47E-05	1.833138	6.73E-38	0.404461	0.063775
AT1G19680	AT1G19680	307.9261	330.0855	267.8321	259.4094	252.4	310.0175	312.1455	322.5881	262.6102	249.4793	292.6735	226.8635	-0.14023	0.475838	-0.00985	0.967968	-0.23246	0.431085
AT1G19690	AT1G19690	67.76752	76.72258	69.53333	96.91766	85.45828	74.76306	64.91915	83.07453	65.40848	69.08657	53.21336	73.54936	0.278335	0.27871	-0.00247	0.994235	-0.10553	0.850918
AT1G19700	BLH10	428.0054	376.4759	390.1593	303.5379	345.1454	364.8437	395.74	336.6137	245.0377	399.1668	478.9202	390.5368	-0.27336	0.248656	-0.28365	0.181327	0.080624	0.850918
AT1G19710	AT1G19710	153.3686	157.0137	173.8333	162.9042	156.3423	186.4092	145.8458	167.2279	117.1495	129.5373	118.3997	162.6373	0.054897	0.830205	-0.16907	0.409497	-0.22775	0.532469
AT1G19715	JAL3	847.6885	836.8114	871.7482	483.7635	389.5308	528.3256	473.9988	538.3661	324.1137	831.9174	889.9934	809.043	-0.84925	1.82E-06	-0.91511	3.23E-07	-0.01455	0.978296
AT1G19720	DYW7	1148.481	1111.585	1021.11	353.4401	313.347	478.4836	483.7811	620.3617	306.5412	1028.622	971.1438	1049.373	-1.4701	5.14E-12	-1.17686	6.04E-08	-0.10187	0.843763
AT1G19730	TRX4	130.7794	148.0924	159.6621	274.2564	265.6494	198.3713	183.1965	169.3857	227.4653	168.8783	151.6581	155.386	0.744166	9.07E-05	0.395242	0.066769	0.118364	0.783534
AT1G19740	AT1G19740	1257.86	1395.28	1212.97	862.361	996.3508	862.2673	1222.792	1117.73	1644.975	1259.87	1595.07	1191.293	-0.49549	0.005238	0.044058	0.859018	0.064123	0.876773
AT1G19750	AT1G19750	24.96698	8.92123	12.87654	15.25938	11.26194	9.968408	20.45398	9.710009	21.47741	11.51443	11.97301	6.215439	-0.3099	0.568832	0.101008	0.875974	-0.5791	NA
AT1G19770	PUP14	655.0861	576.3115	547.2531	461.493	546.5355	729.6874	1146.312	1020.63	1140.255	405.036	576.0346	442.3321	-0.03886	0.881642	0.872774	3.04E-06	-0.31927	0.311768
AT1G19780	CNGC8	0	0	1.287654	3.71174	2.649869	3.												

AT1G20260	VHA-83	1789.3	1844.91	1934.057	1603.059	1566.735	1861.102	1886.213	1861.085	1626.426	1880.69	1761.362	1930.93	-0.14683	0.257714	-0.0508	0.747529	0.001761	0.99607
AT1G20270	PAH3	92.73451	92.78079	114.6012	120.0129	130.5061	107.6588	99.60199	120.8357	123.9832	86.35821	99.77505	96.33931	0.250713	0.256448	0.185938	0.457061	-0.09377	0.846225
AT1G20280	AT1G20280	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19198	NA
AT1G20290	AT1G20290	0	1.784246	0	0.412416	1.324935	0	0.889303	0	0.976246	0.959536	5.321336	5.179533	-0.03557	0.965336	0.027042	0.973986	1.120685	NA
AT1G20300	AT1G20300	112.9459	82.07532	84.98519	82.89953	79.49607	77.75358	77.36694	94.94231	116.4733	69.08657	113.0784	80.80071	-0.21933	0.442256	0.02997	0.933387	-0.11004	0.849275
AT1G20310	AT1G20310	0	1.784246	0	13.1975	16.56168	19.93682	42.66857	29.13003	64.43224	0	3.991002	10.35907	2.524571	1.78E-06	3.86982	2.955314	0.228957	0.869575
AT1G20320	AT1G20320	0	0	0	0.412416	0	0	0	2.15778	0	0.959536	0	0	0.05154	NA	0.312676	NA	0.151534	NA
AT1G20330	SMTZ	961.8233	811.8319	788.0445	483.7635	437.8909	514.3698	294.3595	429.3982	641.3936	686.068	606.6323	655.7288	-0.80763	0.000298	-0.871797	9.59E-05	-0.38136	0.29548
AT1G20340	DRT112	8787.189	9335.175	9375.411	5507.81	5242.766	3652.425	5785.808	5070.783	12323.15	10538.58	15518.35	14402.21	-0.84726	0.020388	-0.22428	0.62465	0.508195	0.398983
AT1G20350	TIM17-1	21.40027	42.8219	38.62963	139.3965	133.1559	118.6241	67.58706	78.75897	128.8645	18.23118	31.92802	20.71813	1.832142	6.44E-10	1.341641	1.69E-05	-0.48383	0.417424
AT1G20360	AT1G20360	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G20370	AT1G20370	190.2246	144.5239	182.8469	123.7247	145.0803	134.5735	153.8495	148.8868	107.3871	170.7973	186.2468	169.8887	-0.3649	0.069588	-0.3369	0.119688	0.01311	0.982469
AT1G20375	MIR394A	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT1G20380	AT1G20380	76.08985	74.93833	81.12222	93.61834	76.18374	102.6746	67.58706	84.15342	55.64602	67.16749	69.17737	70.44164	0.216811	0.409415	-0.16351	0.588171	-0.16313	0.74269
AT1G20390	AT1G20390	43.98945	26.76369	34.76667	34.62471	27.16116	35.88627	63.14055	111.1257	59.55101	54.69353	47.89202	45.57989	-0.13455	0.744103	1.045904	0.000953	0.432728	0.441256
AT1G20400	AT1G20400	2.377808	10.70548	2.575309	1.649662	1.324935	1.993682	2.66791	1.07889	4.88123	0.959536	3.991002	4.143626	-0.90615	0.174844	-0.44381	0.565966	-0.4284	NA
AT1G20405	AT1G20405	0	0	0	0	0	0	0	1.07889	0	0	1.330334	0	0	NA	0.160793	NA	0.184979	NA
AT1G20410	AT1G20410	105.8125	132.0342	123.6148	155.4807	140.4431	125.6019	158.296	133.7824	101.5296	143.9303	196.8894	127.4165	0.226975	0.385856	0.126094	0.677498	0.358363	0.345352
AT1G20420	AT1G20420	0	0	0	1.287654	0	0	0	1.07889	0	0.959536	0	1.035907	-0.3035	NA	-0.05056	NA	0.131591	NA
AT1G20430	AT1G20430	160.502	117.7602	178.984	290.3406	377.6063	224.2892	222.3259	171.5435	422.7145	158.3234	139.6851	224.7917	0.896218	0.004288	0.774709	0.018246	0.175609	0.794965
AT1G20440	COR47	1710.833	2094.705	1979.139	1803.081	1715.79	2030.565	2022.276	2348.743	327.0046	1740.598	1936.966	1686.456	-0.05656	0.813048	-0.045703	0.037066	-0.10431	0.789623
AT1G20450	ERD10	1293.527	1495.198	1509.391	1167.961	1200.391	1255.023	1128.526	1167.359	1720.145	1310.726	1407.493	1224.442	-0.24153	0.191302	-0.095309	0.665473	-0.12192	0.728249
AT1G20460	AT1G20460	60.6341	60.66437	56.65679	75.47205	78.17114	93.70303	65.80846	67.97007	85.90965	72.92471	73.16837	65.26211	0.444679	0.066449	0.292204	0.293847	0.23717	0.600359
AT1G20470	AT1G20470	17.83356	8.92123	20.60247	82.84311	17.22415	11.96209	8.903037	7.55223	9.76246	13.4335	18.62468	31.0772	-0.33582	0.531072	-0.72417	0.174577	0.333195	NA
AT1G20480	4CLL2	13.07794	23.1952	19.31482	12.37247	5.299738	11.96209	8.003731	14.02557	8.786214	25.90746	22.61568	18.64632	-0.75299	0.100247	-0.7112	0.154418	0.2739	NA
AT1G20490	AT1G20490	51.12287	53.52738	52.79833	51.55195	49.02258	51.83572	51.5796	62.57562	69.31347	37.42189	49.22326	26.93357	-0.04221	0.906538	0.211006	0.52432	-0.46164	0.312722
AT1G20500	4CLL4	0	0	0	0.412416	0	0	0	1.07889	0	0	1.330334	0	0.064033	NA	0.167695	NA	0.19372	NA
AT1G20510	4CLL5	476.7505	438.9245	440.3778	748.5343	769.1245	844.3241	1057.382	1037.892	966.4835	378.057	510.8482	417.4703	0.786491	2.33E-09	1.15876	2.56E-19	-0.0606	0.854872
AT1G20515	AT1G20515	1.188904	0	2.575309	2.062078	7.949607	0.996841	2.66791	5.39445	5.857476	1.919071	1.330334	4.143626	0.672211	0.336081	0.854478	0.228327	0.342063	NA
AT1G20520	AT1G20520	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G20530	AT1G20530	16.64466	10.70548	11.58889	8.248311	8.612075	11.96209	18.67537	12.94668	15.61994	7.676285	13.30334	13.46678	-0.42718	0.402078	0.23441	0.68353	-0.1834	NA
AT1G20540	AT1G20540	256.8033	210.541	271.6951	256.9349	200.7276	236.2513	233.8868	217.9358	196.2254	246.6007	172.9434	285.9102	-0.09175	0.720099	-0.18911	0.448489	-0.06423	0.894885
AT1G20550	AT1G20550	55.87849	37.46917	64.38272	31.756	33.12336	31.8989	27.56841	46.39227	45.88356	47.01725	46.56169	66.29802	-0.68169	0.026558	-0.39889	0.254086	0.004494	0.99607
AT1G20560	AE1	256.8033	253.3629	261.3938	189.2987	142.4305	156.504	184.0858	213.6202	143.5082	206.3002	163.6131	268.2998	-0.6346	0.003188	-0.4975	0.030395	-0.26063	0.499012
AT1G20570	AT1G20570	35.66712	30.33218	25.75309	26.80701	20.53649	28.90838	18.67537	31.28781	19.52492	26.867	34.58868	25.89766	-0.25478	0.520855	-0.38242	0.356292	-0.07919	0.927509
AT1G20575	AT1G20575	137.9129	178.4246	153.2309	312.1986	296.1229	247.2165	226.7724	226.5669	222.5841	157.3638	207.5321	187.4991	0.86616	2.72E-07	0.52429	0.00462	0.232426	0.471588
AT1G20580	SMD3B	146.2352	114.1917	122.3272	263.946	198.0777	209.3366	199.6206	116.5201	288.0876	225.6992	142.3457	178.1759	0.762394	0.010008	0.643556	0.161052	0.202991	0.739252
AT1G20590	CYCB2-8	14.26685	12.48972	16.73951	13.60971	20.53649	17.94313	15.11816	18.34113	12.6912	12.47396	14.63367	11.39497	0.202105	0.6894	0.058469	0.922957	-0.17251	NA
AT1G20600	AT1G20600	9.511232	5.352738	12.87654	23.9201	20.53649	8.971567	12.45025	8.63112	27.33489	6.716749	11.97301	4.143626	0.76387	0.195622	0.609149	0.307736	-0.26329	NA
AT1G20610	CYCB2-3	59.4452	57.09587	66.95803	78.71137	61.60946	93.70303	87.15174	90.62675	46.6978	82.52006	93.12338	66.29802	0.319845	0.282473	0.318217	0.318722	0.368458	0.433352
AT1G20620	CAT3	26701.59	25373.76	22143.79	30749.71	27013.43	31798.22	28416.8	42.7447	2671.46	19450.75	20328.83	20664.26	0.268363	0.03646	0.230669	0.088594	-0.29323	0.066355
AT1G20630	CAT1	800.1324	817.1847	697.9087	649.5545	642.5933	672.8675	748.7935	776.8008	602.3438	628.4958	642.5513	640.1902	-0.23326	0.095988	-0.11912	0.464057	-0.27221	0.179029
AT1G20640	NLP4	435.1388	363.9862	355.3926	234.6645	258.3622	242.2323	258.7873	290.2214	224.5366	307.0514	343.2262	378.6166	-0.64564	1.24E-05	-0.57363	0.000193	-0.22793	0.374061
AT1G20650	AT1G20650	691.9421	706.5614	706.9222	324.9835	312.0221	385.7774	363.7251	336.6137	218.6791	705.2587	874.0294	636.5598	-0.10983	1.96E-08	-1.16572	1.69E-10	0.097381	0.814993
AT1G20657	AT1G20657	2.377808	0	1.287654	1.237427	2.649869	0.996841	0.889303	1.07889	0	0	0	0	0.201933	0.788076	-0.30047	0.682054	-0.67013	NA
AT1G20670	AT1G20670	233.0252	194.4828	167.3951	163.729	181.516	170.4598	153.8495	161.8335	137.6507	194.7857	239.4601	166.781	-0.20538	0.336672	-0.38593	0.066325	0.005443	0.992275
AT1G20680	AT1G20680	0	0	1.287654	0.412416	0	0	1.07889	1.952492	0	0	0	1.035907	-0.19638	NA	0.268178	NA	-0.04977	NA
AT1G20690	AT1G20690	1.188904	0	0	1.649662	3.312336	0.996841	2.66791	0	1.952492	0	0	1.035907	0.674013	0.301547	0.480002	0.496034	-0.07454	NA
AT1G20691	AT1G20691	0	0	0	0	0	0	0.889303	0	0	0	1.330334	0	0	NA	0.141773	NA	0.183636	NA
AT1G20693	HMG82	1262.616	1463.082	1455.049	2593.682	3012.901	2504.064	2558.526	2048.812	4073.875	1308.807	1403.502	1419.192	0.927352	7.54E-06	1.022485	7.28E-07	-0.01639	0.979097
AT1G20696	HMG83	634.8747	744.0306	722.3741	1476.448	1562.098	1193.218	1423.775	1321.64	2682.724	689.9061	671.8187	925.0645	0.969118	6.07E-05	1.313425	2.84E-08	-0.17628	0.836071
AT1G20700	WOK14	1.188904	0	0	2.062078	1.324935	0	0.889303	1.07889	0	0	0	2.071813	0.356184	NA	0.085563	NA	0.113798	NA
AT1G20710	WOK10	0	0	0															

AT1G21170	SECSB	329.3264	256.9314	284.5716	315.9103	359.7197	370.8248	387.7363	375.4537	250.8952	356.9473	312.6285	292.1256	0.250861	0.236576	0.209555	0.363438	0.135818	0.733467
AT1G21190	LSM3A	112.9459	139.1712	158.3815	274.6688	274.9239	183.4187	200.9826	146.729	339.7336	152.5662	166.2917	136.7397	0.797365	0.004845	0.705402	0.017107	0.140769	0.826501
AT1G21200	AT1G21200	134.3461	128.4657	148.0802	133.2102	155.6798	138.5609	135.1741	122.9935	146.4369	114.1847	121.0604	119.1293	0.049801	0.082981	-0.02419	0.926534	-0.21484	0.519948
AT1G21202	MIR781A	0	0	0	0	0.662467	0	0.889303	0	0	0.959536	0	0	0.100335	NA	0.144523	NA	0.157063	NA
AT1G21210	WAK4	13.07794	12.48972	10.30123	40.00431	42.39791	30.90206	17.78607	30.20892	17.57243	12.47396	18.62468	8.287252	1.493001	0.000119	0.733368	0.108879	0.074678	0.949258
AT1G21220	AT1G21220	15.45765	16.05821	15.45185	8.660727	10.59948	1.993682	7.114428	7.55223	7.809968	18.23118	19.95501	7.251346	-0.86839	0.087652	-0.85329	0.119176	-0.04185	NA
AT1G21230	WAK5	1.188904	0	1.287654	0.248381	1.324935	0	2.15778	0	0.959536	0	1.035907	0	-0.04825	NA	-0.08984	NA	-0.08035	NA
AT1G21240	WAK3	98.67903	108.839	83.69753	707.7051	669.0919	602.0918	581.6045	633.3084	548.6502	39.34096	46.56169	43.50807	2.559396	3.86E-68	2.728335	4.34E-59	-1.11175	2.86E-06
AT1G21245	AT1G21245	10.70014	3.568492	12.87654	78.35896	84.79581	73.76622	59.58333	55.02339	80.05217	2.878607	6.65167	7.251346	2.757888	1.23E-15	2.475735	2.23E-12	-0.6066	0.443472
AT1G21250	WAK1	1458.785	1500.551	1310.832	3722.875	3441.517	4005.306	2499.832	2820.218	2296.131	799.2932	872.6991	850.4793	1.374296	5.07E-34	0.827044	1.14E-12	-0.75117	1.43E-08
AT1G21260	AT1G21260	51.12287	60.66437	34.76667	70.11065	74.8588	33.89259	59.58333	43.1556	55.64602	44.13864	45.23135	50.75942	0.306126	0.396724	0.120936	0.783215	-0.04654	0.958266
AT1G21270	WAK2	1148.481	1309.637	1175.628	1924.331	1886.044	2129.252	1319.726	1451.107	1028.963	628.4958	615.9446	776.9299	0.698429	4.21E-06	0.064315	0.764258	-0.82948	1.8E-06
AT1G21280	AT1G21280	51.12287	62.44861	46.35556	68.04857	60.94699	57.81677	57.80473	40.99782	78.09968	45.09817	58.53469	33.14901	0.232211	0.493443	0.153345	0.689993	-0.21342	0.72897
AT1G21281	AT1G21281	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G21286	AT1G21286	0	0	0	0.412416	0.662467	0	0	0	0	0	0	0	0.196313	NA	0	NA	0	NA
AT1G21290	AT1G21290	0	0	0	0	0	0	0	0	0	0.959536	0	0	0	NA	0	NA	0.171512	NA
AT1G21300	AT1G21300	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G21310	EXT3	101.0568	89.2123	83.69753	696.5699	664.4547	554.2435	629.6269	568.575	648.2273	66.20796	111.7481	70.44164	2.73092	5.36E-51	2.675836	1.42E-48	-0.16448	0.711805
AT1G21320	AT1G21320	1.188904	0	1.287654	1.649662	3.312336	1.993682	0.889303	2.15778	0.976246	1.919071	1.330334	2.071813	0.572779	0.42161	0.157359	0.854807	0.357944	NA
AT1G21323	AT1G21323	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G21326	AT1G21326	1.188904	1.784246	1.287654	1.649662	1.324935	0.996841	4.446517	3.23667	2.928738	0.959536	1.330334	0	-0.03628	0.96655	0.740966	0.305482	-0.31401	NA
AT1G21327	AT1G21327	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0.172362	NA
AT1G21330	AT1G21330	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G21340	DOF1.2	1.188904	0	0	0.412416	0	0	1.07889	0	0	0	0	0	-0.13172	NA	-0.02794	NA	-0.21059	NA
AT1G21350	AT1G21350	404.2273	392.5341	436.5148	333.6442	377.6063	308.0238	391.2935	334.4559	417.8333	490.3227	625.257	527.2764	-0.26981	0.10392	-0.10745	0.589672	0.402772	0.06
AT1G21360	GLTP2	1.188904	0	0	2.062078	1.324935	0.996841	2.66791	2.15778	4.88123	0.959536	5.321336	1.035907	0.412967	0.575138	0.993235	0.146593	0.697332	NA
AT1G21370	AT1G21370	153.3686	181.9931	176.4086	308.0744	296.1229	332.9448	280.1306	272.9592	208.9166	174.6355	138.3547	167.8169	0.858711	3.24E-07	0.567484	0.001733	-0.0765	0.858201
AT1G21380	AT1G21380	407.7941	419.2978	462.2679	653.2663	662.4673	635.9844	610.9515	610.6517	481.2893	361.7449	500.2056	365.675	0.587753	0.000255	0.393611	0.023628	-0.07523	0.844779
AT1G21390	emb2170	59.4452	48.17464	56.65679	129.4985	151.705	124.6051	144.9655	119.7568	156.1994	53.734	42.57069	62.15439	1.248196	9.45E-09	1.298662	3.97E-09	-0.05303	0.934368
AT1G21395	AT1G21395	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G21400	F24J8.4	235.403	224.815	256.2432	448.7081	423.3166	459.5436	508.6816	500.6049	379.7597	253.3174	313.9588	222.7199	0.872824	1.82E-07	0.933018	2.89E-08	0.129063	0.724707
AT1G21410	SKP2A	105.8125	123.1153	110.5565	140.6337	119.9066	133.5767	140.51	133.7824	128.8645	186.1499	163.6311	174.0333	0.056048	0.818861	0.086077	0.736151	0.458264	0.985574
AT1G21420	AT1G21420	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G21430	YUC11	0	0	0	0	0	0	0.889303	0	0.976246	0	0	0	0	NA	0.309898	NA	0	NA
AT1G21440	AT1G21440	523.1177	347.928	476.4321	347.2539	353.7575	282.1059	297.9167	296.6947	286.0401	681.2703	611.9536	586.3231	-0.44858	0.009122	-0.60894	0.000404	0.464894	0.039528
AT1G21450	SCL1	387.5827	424.6506	388.8716	444.584	380.2562	473.4994	532.6728	557.7861	359.2585	350.2305	349.8778	395.7163	0.110342	0.618538	1.267091	1.97749	-0.12701	0.737955
AT1G21460	SWEET1	129.5905	212.3253	218.9012	345.6043	429.2788	291.0775	404.7624	309.6414	628.7604	200.5429	216.8444	156.2119	0.885208	0.001072	1.241334	2.62E-06	0.033256	0.965111
AT1G21470	AT1G21470	1.188904	0	0	0	0	0	1.778607	1.07889	0.976246	0	0	1.035907	-0.35669	NA	0.438908	NA	-0.0476	NA
AT1G21475	AT1G21475	0	0	0	0.412416	0	0	0	0	0	0	1.330334	0	0.067751	NA	0	NA	0.180865	NA
AT1G21480	AT1G21480	128.4016	115.976	114.6012	134.4475	115.2693	109.6525	130.7276	107.889	104.4583	108.4275	134.3637	131.5601	0.009798	0.971072	-0.06375	0.819106	0.050369	0.920201
AT1G21490	AT1G21490	0	0	0	0.662467	0	0	0.889303	0	0	0	0	0	0.097058	NA	0.103384	NA	0	NA
AT1G21500	AT1G21500	1857.068	2064.373	1914.742	1190.231	1324.272	1056.651	844.8383	812.4041	1069.966	2790.33	2928.065	1769.328	-0.68968	0.000343	-1.06888	1.14E-08	0.350681	0.253111
AT1G21510	AT1G21510	7.133424	5.352738	12.87654	7.42348	11.26194	5.981045	7.114428	10.7889	6.833722	9.595356	14.63367	8.287252	-0.04936	0.943829	-0.06361	0.93112	0.24538	NA
AT1G21520	AT1G21520	55.87849	85.64381	81.12222	539.852	655.1801	395.7458	533.5821	359.2703	892.2888	42.21957	43.90102	54.90305	2.816545	4.83E-23	2.816545	4.83E-23	-0.59032	0.252323
AT1G21525	AT1G21525	8.322328	10.70548	6.483272	154.2434	118.5816	93.70303	243.6692	202.8313	406.1183	6.716749	9.312338	7.251346	3.363724	1.32E-20	4.511289	6.15E-37	-0.1365	0.899414
AT1G21528	AT1G21528	0	0	0	2.062078	0.662467	0	0.889303	0	0.928738	0	0	0	0.474905	NA	0.563305	NA	0	NA
AT1G21529	AT1G21529	1.188904	0	0	0	0	0	0.889303	0	0	0	0	0	-0.20902	NA	-0.03919	NA	-0.19148	NA
AT1G21530	AEF10	1.188904	0	0	0.412416	0	0	0	0	0	0	1.330334	0	-0.13525	NA	-0.22145	NA	-0.00291	NA
AT1G21540	AE9	29.7226	24.97944	33.47901	22.68286	18.54908	25.91786	23.12189	36.68226	36.1211	22.06932	35.91902	23.82585	-0.38545	0.314361	0.094505	0.844067	-0.13101	0.873413
AT1G21550	CML44	11.88904	10.70548	16.73951	60.21267	69.59066	50.83888	128.949	120.8357	265.5389	13.4335	17.29434	19.68222	1.90598	1.95E-07	3.322307	2.13E-21	0.274226	0.778952
AT1G21560	AT1G21560	336.4598	312.2431	356.6803	301.4758	340.5082	323.9733	338.8246	311.7992	274.3251	406.8431	383.1362	395.7163	-0.06353	0.718983	-0.12143	0.487933	0.232562	0.307711
AT1G21580	AT1G21580	1326.817	1300.715	1136.999	691.2085	575.0216	812.4252	868.4142	1046.523	596.4863	1120.738	1152.069	1110.049	-0.83575	0.000015	-0.55774	0.006504	-0.14989	0.706832
AT1G21590	AT1G21590	1198.415	1145.486	1041.712	833.4919	737.9885	955.9703	986.4515	1052.997	621.8687	877.9751	803.5217	925.0645	-0.41271	0.037072	-0.34864	0.097413	-0.36751	0.21385
AT1G21600	PTAC6	1060.502	1106.233	1100.944	1129.606	1210.99	1301.874	1557.17	1647.465	1803.126	1551.569	1592.41	1373.612	0.153457	0.235534	0.610751	5.04E-08	0.462969	0.000803
AT1G21610	AT1G21610	343.5932	333.654	406.8988	341.0677	329.2462	359.8595	441.9838	515.7094	311.4225	308.9705	339.2352	347.0287	-0.07516	0.753946	0.21927			

AT1G22985	ERF069	23.77808	32.11643	19.31482	44.54088	41.73544	26.9147	36.46144	32.3667	42.95482	26.867	34.58868	19.68222	0.592473	0.098496	0.5481	0.157887	0.103894	0.903758
AT1G22990	HIPP22	1.188904	3.568492	7.725926	21.03319	18.54908	13.95577	8.893035	15.10446	14.64369	2.878607	2.660668	4.143626	1.669034	0.001015	1.208602	0.029892	-0.24274	NA
AT1G23000	AT1G23000	95.11232	71.36694	68.24568	111.3522	105.9948	103.6714	96.93408	105.7312	72.2422	81.56053	70.5077	97.37521	0.42982	0.074302	0.207333	0.473303	0.80542	0.886247
AT1G23010	LPR1	22.58917	26.76369	24.46543	35.88015	27.16116	15.94945	25.7898	30.20892	24.40615	16.31211	18.62468	8.287252	0.143761	0.764901	0.11859	0.822958	-0.68008	0.296514
AT1G23020	FRO3	408.983	399.6711	363.1188	588.9294	532.6237	589.1329	560.2612	548.0761	292.8738	280.1844	343.2262	466.228	0.528778	0.019488	0.24975	0.342646	-0.38607	0.281609
AT1G23030	PUB11	476.7505	488.8834	419.7753	423.1384	382.9061	505.3983	401.4739	324.0037	332.8999	412.6003	465.6169	266.1166	-0.08001	0.706615	-0.38206	0.036299	-0.07445	0.850060
AT1G23037	AT1G23037	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G23040	AT1G23040	43.98945	39.25341	36.05432	56.91335	58.95959	45.85468	46.24378	30.20892	78.09968	46.05771	43.90102	39.36445	0.143998	0.241305	0.346996	0.372068	0.103356	0.895643
AT1G23050	AT1G23050	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G23052	AT1G23052	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G23060	AT1G23060	57.06739	33.90067	43.78025	14.02213	13.24935	14.95261	11.56095	8.63112	6.833722	37.42189	46.56169	32.1131	-1.56671	1.79E-06	-2.0719	1.06E-08	-0.2277	0.733866
AT1G23070	AT1G23070	0	0	0	0	0	0	0	0	0	0	0.995936	2.660668	0	NA	0	NA	0.544752	NA
AT1G23074	AT1G23074	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G23080	PIN7	1210.304	1134.78	1206.532	371.9988	404.7675	394.7489	418.8619	444.5027	374.8785	930.7496	947.1978	956.1417	-1.59132	6.39E-56	-1.5098	2.26E-48	-0.32452	0.021525
AT1G23090	SULTR3	172.3911	203.404	158.3815	235.0769	213.3145	220.3018	256.1194	252.4602	239.1803	146.809	148.9974	155.386	0.333375	0.038409	0.488945	0.002245	-0.22821	0.421889
AT1G23100	AT1G23100	21.40027	17.84246	28.3284	44.54088	39.74804	27.91154	16.89677	19.42002	34.16861	23.98839	15.96401	22.78994	0.677664	0.076884	0.035749	0.948468	-0.09676	0.920242
AT1G23110	AT1G23110	2.377808	3.568492	2.575309	16.08421	12.58688	17.94313	5.335821	10.7889	0.972646	1.919071	1.330334	4.143626	1.786528	0.001502	0.595455	0.397493	-0.11024	NA
AT1G23120	AT1G23120	5.965712	8.92123	15.45185	21.44561	27.16116	25.91786	25.7898	6.47334	9.245366	9.595356	9.312338	13.46678	1.167801	0.015483	0.794213	0.141177	0.161495	NA
AT1G23130	AT1G23130	4301.454	6023.615	5526.612	3995.482	3355.397	3309.511	2419.795	2433.976	3049.792	4784.245	5230.873	4376.705	-0.56131	0.000533	-0.98568	2.31E-10	-0.13659	0.669371
AT1G23140	AT1G23140	24.96698	30.33218	37.34198	114.6515	121.2315	86.72515	90.70896	73.36452	113.2445	21.10978	11.97301	27.96948	1.707041	1.55E-09	1.487609	3.39E-07	-0.51544	0.363526
AT1G23145	RALF2	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT1G23147	RALF3	0	0	0	0	0	0	0.662467	0	0.889303	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G23149	CpUORF29	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G23150	AT1G23150	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G23160	AT1G23160	0	0	0	0	0	0	1.07889	0	0	1.330334	0	0	0	NA	0.160793	NA	0.184979	NA
AT1G23170	AT1G23170	83.22328	67.80135	61.80741	65.98649	68.8966	75.7599	52.46891	56.10228	73.21845	44.13864	41.24035	54.90305	-0.02718	0.93583	-0.22472	0.463439	-0.57364	0.133249
AT1G23180	AT1G23180	494.584	378.2602	365.6938	216.9306	231.8635	280.1123	273.0162	326.9037	207.9404	383.8143	363.1812	365.675	-0.75529	6.98E-05	-0.6053	0.002363	-0.15311	0.69169
AT1G23190	PGM3	941.6119	836.8114	885.9062	624.3972	679.029	709.7506	726.5609	753.0652	706.8021	1000.796	1092.204	855.6588	-0.40461	0.001575	-0.28416	0.039706	0.141387	0.547565
AT1G23200	PME6	13.07794	12.48972	12.87654	7.42348	5.962205	4.984204	5.335821	15.10446	10.73871	15.35257	9.312338	12.43088	-0.84267	0.09516	-0.26813	0.664947	-0.02317	NA
AT1G23201	AT1G23201	0	0	0	0.412416	0	0.662467	0	0.889303	0	1.07889	0	1.330334	0.352007	NA	0.352007	NA	0.208051	NA
AT1G23205	AT1G23205	45.17835	49.95889	30.9037	24.74493	16.56168	14.95261	24.01119	22.65669	24.40615	56.6126	74.4987	55.93895	-1.01955	0.00136	-0.75011	0.030779	0.546787	0.254453
AT1G23210	AT1G23210	0	0	0	0.662467	0.996841	0.889303	0	0	0	1.330334	0	0	0.267029	NA	0.151304	NA	0.19832	NA
AT1G23220	AT1G23220	148.6131	180.2088	182.8469	229.7155	197.4152	214.3208	167.1891	171.5435	261.6339	189.0881	200.8804	133.6319	0.320262	0.186934	0.226019	0.404985	0.034495	0.955665
AT1G23230	MED23	343.5932	271.2054	260.1062	204.1457	141.1055	225.286	220.5473	270.8014	123.9832	260.9342	259.4151	202.0011	-0.59147	0.030739	-0.48645	0.096432	-0.2674	0.591044
AT1G23240	PGX7	1.188904	7.136984	0	0	0	0	0	0	0	5.757214	5.321336	5.179533	-1.26899	0.043148	-1.11146	0.087814	0.754795	NA
AT1G23250	AT1G23250	0	0	1.287654	0	0	0	0	0	0	3.838143	0	1.035907	-0.30133	NA	-0.25438	NA	0.517337	NA
AT1G23260	UEV1A	219.9472	224.815	244.6543	384.7837	414.042	412.6921	260.5659	286.9847	372.926	325.2826	215.5141	258.9766	0.792606	1.62E-05	0.405269	0.049904	0.213613	0.546872
AT1G23270	AT1G23270	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G23280	AT1G23280	197.3581	194.4828	171.258	213.6313	213.9769	199.3682	197.4254	178.0168	262.6102	202.462	160.9704	213.3967	0.154887	0.486892	0.178187	0.444869	0.046068	0.934763
AT1G23290	RPL27AB	776.3543	690.5032	705.6346	1011.243	881.7439	646.9497	770.1368	552.3916	1495.609	714.854	855.4047	1200.616	0.20368	0.655646	0.338564	0.452105	0.316391	0.656746
AT1G23300	AT1G23300	0	0	0	0.996841	0	1.07889	0	0	0	0	0	0	0.132403	NA	0.15984	NA	0.162223	NA
AT1G23310	GGAT1	18386.4	18477.65	16901.75	9830.75	10461.02	10062.11	13641.92	14261.85	16509.3	14637.72	13855.43	16606.62	-0.81742	8.88E-14	-0.27321	0.027266	-0.25118	0.147459
AT1G23320	TAR1	0	0	0	0.412416	0	0.996841	0	0	0	0	0	0	0.224618	NA	0.091670	NA	0.517167	NA
AT1G23330	AT1G23330	112.9459	130.25	123.6148	134.4475	126.5312	100.6809	104.9378	142.4135	111.292	107.468	94.45371	103.5907	0.000446	0.999192	-0.03086	0.916706	-0.24642	0.517167
AT1G23340	AT1G23340	41.61164	46.3904	45.0679	18.5587	17.22415	14.95261	16.00746	9.710009	19.52492	42.21957	47.89202	33.14901	-1.26595	5.42E-05	-1.40894	2.95E-05	-0.10347	0.888347
AT1G23350	AT1G23350	1.188904	1.784246	0	0	1.987402	0	0.889303	1.07889	0.976246	4.797678	3.991002	2.071813	-0.22069	0.776861	-0.00703	0.993444	0.882103	NA
AT1G23360	MENG	211.6249	223.0308	293.5852	277.9681	314.672	273.1344	329.9136	299.9314	375.8547	304.1728	288.6825	302.4847	0.242655	0.183281	0.455188	0.009095	0.290533	0.28611
AT1G23380	KNAT6	54.68958	33.90067	41.20494	65.57408	59.62205	58.81361	55.13682	47.47116	57.59851	64.9353	39.91002	62.4282	0.461974	0.105245	0.265642	0.429874	0.264395	0.617081
AT1G23390	AT1G23390	1550.331	1875.243	1703.567	2104.557	2130.495	2205.012	1782.164	1960.343	2476.736	1674.39	1568.464	1601.511	0.325104	0.025915	0.725527	0.074467	-0.07974	0.794433
AT1G23400	CAF2	765.6541	829.6744	688.8951	639.6566	592.9082	618.0413	678.5386	745.5129	744.8757	757.0736	729.023	801.7917	-0.29694	0.013337	-0.07157	0.640526	0.006418	0.985847
AT1G23410	RPS27AA	21.40027	28.54794	30.9037	45.36571	40.87047	47.03518	18.34113	41.00233	56.6126	35.91902	47.6517	0.676564	0.053554	-0.002594	0.99603	0.748269	0.13913	0.984826
AT1G23420	YAB4	2.377808	0	0	0	0	0	0	0	0	0.995936	0	0	-0.38193	NA	-0.36181	NA	-0.19229	NA
AT1G23440	AT1G23440	355.4823	422.8663	448.1037	602.9516	643.2557	595.1139	556.704	562.1017	716.5646	421.2361	484.2416	370.8545	0.578397	0.000297	0.573389	0.000447	0.055443	0.88731
AT1G23450	AT1G23450	10.70014	12.48972	3.862963	4.536571	5.962205	9.968408	13.33955	21.5778	3.904984	8.635821	18.62468	7.251346	-0.33289	0.614109	0.410949	0.540923	0.258828	NA
AT1G23460	AT1G23460	72.52314	82.07532	74.68395	60.12267	45.04777	66.78833	72.92289	45.31338	38.07359	92.11543	93.12338							

AT1G23950	AT1G23950	206.8693	212.3253	215.0383	249.5114	262.9995	273.1344	254.3408	258.9336	263.5864	237.0053	207.5321	209.2531	0.300633	0.041793	0.288959	0.067135	0.047236	0.894073
AT1G23960	AT1G23960	448.2168	519.2156	538.2395	637.5945	691.6158	641.9655	672.3134	628.9928	608.2013	565.1665	522.8213	484.8043	0.387008	0.002397	0.342062	0.010552	0.065274	0.821978
AT1G23965	AT1G23965	20.2137	19.62671	11.58889	8.284831	1.324935	2.990522	4.446517	1.07889	0.976246	14.39303	11.97301	12.43088	-2.54328	7.64E-07	-2.1467	5.98E-05	-0.32528	NA
AT1G23970	AT1G23970	123.646	124.8972	141.642	103.1039	97.38269	96.69356	107.6057	119.7568	95.67211	160.2424	150.3277	132.596	-0.38151	0.048599	-0.27025	0.215319	0.178501	0.612829
AT1G23980	AT1G23980	45.17835	58.88012	61.80741	43.30364	43.72284	35.88627	49.80099	45.31338	48.8123	57.57214	66.5167	66.29802	-0.38967	0.154993	-0.18388	0.575457	0.196932	0.699043
AT1G23990	AT1G23990	0	1.784246	1.287654	0	0	0	1.778607	0	0	0	0	0	-0.52312	NA	-0.12839	NA	-0.26411	NA
AT1G24000	AT1G24000	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT1G24010	AT1G24010	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G24020	MLP423	492.2062	479.9622	482.8704	631.8207	705.5276	441.6005	369.0609	285.9058	554.5077	698.5419	854.0744	631.903	0.281029	0.292118	-0.25587	0.371811	0.562894	0.09848
AT1G24030	AT1G24030	20.21137	19.62671	21.89012	16.08421	10.59948	20.93366	16.00746	17.26224	13.66744	28.78607	25.27635	13.46678	-0.35786	0.438423	-0.35131	0.484732	0.113306	0.907455
AT1G24040	AT1G24040	136.724	114.1917	158.3815	172.3897	139.1181	145.5388	170.7463	185.5691	182.558	127.6182	142.3457	166.781	0.152536	0.498252	0.375817	0.072408	0.079971	0.86061
AT1G24050	AT1G24050	359.049	396.1026	427.5012	454.8944	501.4877	417.6763	470.4415	445.5815	613.0825	265.7914	188.9074	450.6193	0.208213	0.485869	0.355282	0.221334	-0.36434	0.401389
AT1G24060	AT1G24060	0	0	0	0	0	0	0	0.889303	0	0	0	0	0	NA	0	NA	0	NA
AT1G24062	AT1G24062	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0.160764	NA	0	NA
AT1G24068	AT1G24068	0	0	0	0	0	0	0	0	0	0	0	0	-0.75346	0.001123	-0.36523	0.167416	0.586524	0.05963
AT1G24070	CSLA10	130.7794	74.93833	110.7383	60.21267	67.57166	58.81361	88.93035	90.62675	67.36097	174.6355	172.9434	140.8833	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G24080	AT1G24080	0	0	0	0	0	0	0	0	0	0	0	0	0.254955	0.499651	-0.70061	0.063276	-0.78414	0.133779
AT1G24090	AT1G24090	30.9115	24.97944	43.78025	45.36571	35.11077	39.87363	23.12189	19.42002	16.59618	21.10978	19.95501	14.50269	1.790392	7.79E-09	1.506967	3.47E-06	0.650944	0.236632
AT1G24095	AT1G24095	20.21137	14.27397	14.1642	58.97543	62.93439	69.77885	44.46517	53.9445	57.59851	35.50282	21.28534	24.86176	0.112274	0.653286	0.473586	0.026672	-0.02711	0.960974
AT1G24100	UGT7481	989.1681	620.9176	811.2222	837.616	946.0033	845.321	985.3483	981.7898	1433.1229	877.9751	690.4433	810.0789	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G24110	PER6	0	0	0	0	0	0	0	0	0	0	0	0	-0.44332	0.001351	-0.34822	0.018695	0.023263	0.950436
AT1G24120	AT1G24120	395.905	403.2396	445.5284	307.662	309.3722	294.068	313.9241	352.797	309.47	430.8315	368.5025	463.0502	-1.01632	0.116447	-1.00403	0.129392	-0.16655	NA
AT1G24130	AT1G24130	3.566712	5.352738	0	0.412416	0	0.996841	0	0	0.976246	1.919071	2.660668	2.071813	1.702782	8.13E-08	2.202111	1.75E-12	-0.756	0.202346
AT1G24140	AT1G24140	13.07794	32.11643	27.04074	78.35896	72.20893	103.6714	91.59826	113.2834	159.1281	14.39303	31.30334	10.35907	2.465155	1.48E-26	1.870074	4.12E-15	-0.78026	0.053578
AT1G24145	AT1G24145	34.47821	64.23286	50.21852	303.1254	298.7727	259.1786	178.75	149.9657	236.2515	23.98839	31.92802	25.89766	1.889138	2.49E-31	0.413551	0.032611	-0.43042	0.118262
AT1G24147	AT1G24147	181.9023	230.1677	230.4901	870.1969	788.9985	770.5579	254.3408	270.8014	333.8761	185.1904	129.0424	154.3501	0.408672	0.009468	0.130464	0.893093	0.142969	0.639778
AT1G24148	AT1G24148	256.8033	297.9617	262.6815	394.6817	341.1706	346.9006	297.9167	258.9336	374.321	321.4444	324.6015	255.8689	1.227592	1.3E-10	1.058407	7.78E-08	-0.62463	0.039744
AT1G24150	AT1G24150	115.3237	108.839	77.25926	215.6933	261.6746	244.226	192.0896	208.2258	239.1803	57.57214	74.4987	61.11849	0.095918	NA	0	NA	0	NA
AT1G24159	AT1G24159	0	0	0	0.412416	0	0	0	0	0	0	0	0	-0.27918	0.018264	-0.19187	0.141399	0.012569	0.970025
AT1G24160	AT1G24160	789.4322	827.8902	763.579	618.6234	650.5429	691.8075	732.7861	710.9885	635.5361	763.7904	848.7531	789.3608	-0.55699	0.002719	-0.31015	0.070319	-0.16244	0.579804
AT1G24170	GATL8	527.8734	544.195	503.4728	323.3338	339.1832	405.7142	353.9428	414.2937	497.8855	474.0106	454.9742	474.4452	0.265637	0.100304	0.209171	0.240479	0.199279	0.963091
AT1G24180	IAR4	324.5708	244.4417	284.5716	341.8925	345.1454	348.8943	337.9353	294.537	362.1873	316.6468	267.3971	284.8743	-0.57372	0.012287	-0.38733	0.121743	-0.30703	0.430248
AT1G24190	SNL3	757.3318	606.6437	513.7741	388.4955	386.8809	471.5057	594.0547	520.025	308.4937	498.9585	508.1876	500.3429	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT1G24200	AT1G24200	1.188904	0	0	0	0	0.662467	0	0	0	0	0	0	0.625567	0.190965	0.745245	0.132162	0.111802	0.922761
AT1G24210	AT1G24210	15.45575	7.136984	11.58889	15.25938	28.48609	14.95261	15.11816	20.49891	29.28738	15.35257	11.97301	11.39497	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G24212	AT1G24212	0	0	0	0	0	0	0	0	0	0	0	0	-0.14366	NA	0.218514	NA	0.114915	NA
AT1G24220	AT1G24220	1.188904	0	0	0	0.662467	0	0	0	0	0	0	0	-0.26505	NA	-0.24311	NA	0.086641	NA
AT1G24230	AT1G24230	0	1.784246	0	0	0	0	0	0	0	0	0	0	0.269427	0.232511	0.451852	0.042577	0.199229	0.623121
AT1G24240	AT1G24240	86.78999	73.15409	72.10864	94.85558	96.72022	90.71251	111.1629	97.10009	113.2445	81.56053	91.79304	96.33931	-0.22145	NA	-0.10395	NA	0.129861	NA
AT1G24250	AT1G24250	0	1.784246	0	0.412416	0	0	0.889303	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G24256	AT1G24256	0	0	0	0	0	0	0	0	0	0	0	0	-1.58149	4.21E-06	-1.55668	1.68E-05	0.910936	0.039686
AT1G24260	SEP3	63.01191	51.74313	41.20494	19.79595	19.21155	4.984204	16.00746	16.18335	14.64369	96.9131	133.0334	76.65708	-0.38625	0.445182	-0.65136	0.208618	0.084117	NA
AT1G24265	AT1G24265	14.26685	17.84246	18.02716	14.84696	9.937009	10.96525	11.56095	7.55223	9.76246	21.10978	7.982004	22.78994	0.345844	0.023666	0.234127	0.172935	-0.24098	0.351736
AT1G24267	AT1G24267	236.5919	226.5992	235.6407	326.6331	291.4856	269.147	266.791	294.537	264.5627	198.6239	182.2558	208.2172	-0.07657	0.929286	0.411383	0.521805	0.14175	NA
AT1G24270	AT1G24270	3.566712	0	0	1.287654	2.474493	1.987402	0	3.557214	1.07889	5.857476	2.878607	3.991002	0.269833	0.34625	0.094133	0.745566	-0.09767	0.878139
AT1G24280	G6P3	48.74506	46.3904	46.35556	61.86234	54.32232	54.82624	54.24751	53.9445	45.88356	44.13864	37.24935	49.72351	-0.77042	0.009549	-0.53248	0.108561	-0.19427	0.752644
AT1G24290	AT1G24290	41.61164	53.52738	41.20494	22.27044	25.83622	29.90522	29.34701	34.52448	27.34889	42.21957	33.25835	40.40035	-0.60539	0.011485	-0.24099	0.394696	-0.24694	0.570562
AT1G24300	AT1G24300	523.1177	463.904	347.6667	289.5157	230.5386	344.9066	399.2973	470.396	258.8477	382.8547	363.1812	370.8545	-0.02982	0.927435	-0.41316	0.127505	-0.28769	0.511961
AT1G24310	NUP54	112.9459	121.3287	86.27284	114.2391	106.6572	88.71883	86.26244	81.99564	68.33722	64.28889	87.80204	107.7343	0.983834	0.130373	0.265638	0.74101	-0.27328	NA
AT1G24320	GCS2	0	0	0	2.575309	5.773818	5.299738	0.996841	0	2.15778	9.228738	0.995936	0	-0.62235	0.030142	-0.057805	0.883269	0.036131	0.961988
AT1G24330	PUB6	76.08985	53.52738	39.91728	31.34358	37.76063	40.87047	54.24751	61.41784	63.45599	51.81492	65.18636	59.04667	-0.82139	0.000284	-0.83718	0.000326	-0.22818	0.595754
AT1G24340	EMB260	254.4254	223.0308	215.0383	129.4983	94.73282	162.485	149.403	140.2557	89.81463	185.1904	192.8984	210.289	0.473151	0.000116	0.437151	0.032376	-0.03589	0.946238
AT1G24350	AT1G24350	97.49012	132.0342	115.8889	179.8132	190.1281	195.3808	168.0784	162.9124	135.6982	123.7801	97.11438	110.842	0.315879	0.11067	0.243646	0.257259	-0.04186	0.929642
AT1G24360	AT1G24360	784.6766	706.5614	827.9617	925.4605	967.2022	1012.79	727.4502	805.9308	1226.165	735.0043	722.3713	795.5762	-0.276					

AT1G25053	AT1G25053	5.94452	7.136984	6.438272	4.536571	3.974804	3.987363	7.114428	6.47334	3.904984	4.797678	9.312338	9.323159	-0.46555	0.463209	-0.10444	0.893134	0.20192	NA
AT1G25054	LPXC4	199.7359	239.089	222.7642	266.4205	259.6872	227.2797	216.99	196.358	196.2254	275.3687	316.6195	234.1149	0.195901	0.492083	-0.10894	0.618857	0.35176	0.266880
AT1G25055	AT1G25055	166.4466	203.404	162.2444	209.9195	198.0777	175.444	156.5174	190.9635	177.6768	117.0633	138.3547	121.2011	0.149107	0.260301	-0.01115	0.965305	-0.48376	0.052616
AT1G25083	AT1G25083	17.83356	17.84246	12.87654	40.41673	48.36011	53.8294	42.68657	46.39227	59.55101	21.10978	22.61568	10.35907	1.403896	3.92E-05	1.470379	2.42E-05	0.115923	0.900019
AT1G25097	AT1G25097	19.02246	17.84246	16.73951	27.63184	34.4483	18.93997	30.23631	17.26224	27.33489	25.90746	31.92802	30.04129	0.550666	0.164911	0.432653	0.33106	0.628043	0.299685
AT1G25098	AT1G25098	477.9394	453.1985	524.0753	450.7702	504.8001	521.3477	621.6232	411.0571	386.5934	630.4149	790.2184	539.7073	0.017893	0.950326	-0.03427	0.905588	0.41507	0.179952
AT1G25112	AT1G25112	1.188904	3.568492	0	0.824831	0	0	0	0	0	0	1.330334	0	-0.48955	NA	-0.66998	NA	-0.43356	NA
AT1G25141	AT1G25141	8.322328	12.48972	3.862963	3.299325	1.987402	4.984204	8.003731	6.47334	1.952492	2.878607	5.321336	4.143626	-0.89487	0.144112	-0.38274	0.597311	-0.68407	NA
AT1G25145	LPXC4	96.30122	112.4075	103.0123	103.5163	104.6698	118.6241	96.93408	104.6523	93.71962	98.83217	82.48071	67.33392	0.066237	0.802169	-0.06981	0.810208	-0.30539	0.402792
AT1G25150	AT1G25150	158.1242	169.5034	159.6691	212.394	215.9643	181.425	184.9751	169.3857	164.0093	97.87263	145.0064	122.237	0.327191	0.082596	0.091654	0.705008	-0.41543	0.13913
AT1G25155	AT1G25155	17.83356	12.48972	19.31482	42.06639	39.08557	51.83572	39.12935	60.41784	52.71728	16.31211	13.30334	10.35907	1.262306	0.002011	1.449697	2.44E-05	-0.29568	0.70827
AT1G25175	AT1G25175	502.9064	508.5101	639.9642	574.4949	674.3917	576.174	634.9627	499.526	552.5552	605.467	554.7493	654.6929	0.140521	0.440293	0.030017	0.893476	0.133712	0.662311
AT1G25180	AT1G25180	0	0	0	0.412416	0	0.996841	0	0	0	0	0	1.035907	0.245858	NA	0	NA	0.179036	NA
AT1G25209	AT1G25209	5.911232	10.70548	6.438272	4.948987	2.649869	6.977885	6.225124	10.7889	3.904984	4.797678	6.65167	9.323159	-0.67875	0.250557	-0.26182	0.712712	-0.26059	NA
AT1G25210	LPXC1	91.5456	99.91778	91.42346	115.0639	122.5564	109.6525	86.26244	113.2834	96.64835	98.83217	75.82904	96.33931	0.296585	0.175248	0.064198	0.825187	-0.04504	0.934105
AT1G25211	AT1G25211	156.9353	144.5239	144.2173	187.6491	167.6042	176.4408	170.7463	165.0702	180.6055	94.03449	91.79304	124.3088	0.250654	0.185892	0.206282	0.325458	-0.5085	0.045757
AT1G25220	ASB1	146.2352	140.9554	136.4914	444.584	452.4651	483.4678	529.1356	517.6762	652.1332	166.9592	121.8534	104.8833	1.663721	1.58E-23	1.959863	2.93E-32	0.277348	0.385722
AT1G25230	PAP4	611.0966	588.8012	594.8963	241.6755	197.4152	266.1565	183.1965	269.7225	220.6326	144.4844	492.2418	403.0912	1.32321	2.17E-15	-1.32321	2.78E-16	-0.32628	0.238435
AT1G25240	AT1G25240	0	0	1.784246	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT1G25250	IDD16	38.04493	19.62671	30.9037	23.09527	24.51129	24.92102	28.45771	32.3667	40.02609	40.3005	34.58868	27.96948	-0.30896	0.414245	-0.139411	0.753766	0.169981	0.815889
AT1G25260	AT1G25260	636.0636	663.7395	672.1556	734.5121	777.7366	776.539	775.4276	704.5151	706.8021	731.1661	782.2364	638.1184	0.212328	0.093681	0.149102	0.289361	0.123167	0.58653
AT1G25270	AT1G25270	0	0	0	0	0.662467	0	0.889303	0	0.976246	0	0	0	0.109442	NA	0.323202	NA	0	NA
AT1G25275	AT1G25275	237.7808	212.3253	227.9148	682.9602	630.6688	483.4678	870.6281	716.3829	1824.604	301.2942	359.1902	444.4039	1.321277	2.58E-06	2.194826	5.82E-16	0.6579	0.123972
AT1G25280	TULP10	328.1375	312.2431	274.2704	292.8151	310.6972	359.8595	322.8172	324.7459	305.565	256.196	248.7725	267.2639	0.066112	0.718143	0.059894	0.76821	-0.23897	0.327909
AT1G25290	RLB10	123.6746	101.7023	103.6148	79.18379	68.8966	66.78833	81.81592	111.1257	144.4844	156.4043	125.0514	111.8779	-0.67052	0.006043	-0.05864	0.807469	0.162915	0.742777
AT1G25300	AT1G25300	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT1G25310	MEE8	0	0	0	0	0.662467	0	1.07889	0	0	0	0	0	0.098648	NA	0.150881	NA	0	NA
AT1G25320	AT1G25320	90.3567	114.1917	74.68395	102.6915	94.73282	95.69671	126.2811	144.5713	88.83839	78.68192	87.80204	116.0215	0.08257	0.795029	0.362168	0.196425	0.029592	0.96566
AT1G25330	BHLH75	1.188904	3.568492	0	0	0	0	0	1.07889	0	0	0	0	-0.73648	NA	-0.47718	NA	-0.67799	NA
AT1G25340	MYB116	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT1G25350	OVA9	499.3397	430.0033	502.1852	403.3424	412.0546	429.6384	445.541	434.7926	348.5198	418.3575	432.3585	462.0143	-0.20495	0.178362	-0.2214	0.166621	-0.12754	0.639577
AT1G25360	PCMP-H74	21.40027	17.84246	23.17778	20.20836	22.92734	20.45398	32.3667	15.61994	23.02886	18.62468	16.65475	16.5745	-0.089231	0.873031	0.098233	0.855527	-0.09557	0.922046
AT1G25370	AT1G25370	34.47821	30.33218	32.19136	79.18379	89.70762	88.71883	47.13308	50.70783	78.09968	28.78607	34.58868	23.82585	1.370703	7.61E-07	0.79527	0.10103	-0.164	0.815889
AT1G25375	AT1G25375	98.67039	99.91778	109.4506	123.7247	118.5816	110.6493	96.0199	106.8101	85.90965	116.1038	93.12338	96.33931	0.197511	0.372658	-0.07669	0.782112	-0.00601	0.992056
AT1G25380	NDT2	118.7583	192.6986	162.2444	218.9927	200.0651	228.2765	189.4216	183.4113	189.3917	146.809	178.2648	190.6068	0.167791	0.39532	-0.02964	0.90595	-0.15543	0.652681
AT1G25390	AT1G25390	142.6685	119.5445	103.0123	277.5557	227.8887	290.8007	279.2413	306.4047	243.0553	106.5085	125.0514	103.5907	1.090164	2.25E-09	1.448213	4.34E-10	-0.13149	0.760644
AT1G25400	AT1G25400	13.07794	10.70548	21.89012	18.74622	173.5664	244.226	281.0199	334.4559	474.4556	18.23118	11.97301	14.50269	3.377104	2.23E-29	1.207119	1.37E-45	-0.06296	0.950309
AT1G25410	IP76	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0.172362	NA
AT1G25420	AT1G25420	222.325	272.9896	284.5716	304.3627	325.2714	308.0238	332.5995	301.0103	317.2799	349.271	275.3791	338.7414	0.265526	0.107426	0.28675	0.096432	0.309302	0.201501
AT1G25422	AT1G25422	1.188904	0	0	0.824831	1.324935	0.996841	1.778607	2.15778	5.857476	1.919071	0	2.071813	0.209574	0.428400	1.03505	0.122036	0.400565	NA
AT1G25425	CLE43	24.96698	19.62671	21.89012	29.28151	30.47349	24.92102	28.41447	38.07359	36.46235	42.57069	47.6517	47.6517	-0.311086	0.449091	0.30533	0.472369	0.840092	0.076171
AT1G25430	AT1G25430	175.9578	224.815	148.0802	45.77813	41.07297	35.86627	47.13308	58.26006	22.45366	174.6355	162.3007	154.3501	-2.03597	1.15E-16	-1.99359	4.7E-15	-0.14407	0.788523
AT1G25440	COL16	4010.173	4640.824	4020.057	2825.872	2763.151	2691.47	2411.791	2614.15	2943.382	3655.831	3815.398	3734.443	-0.60754	1.3E-08	-0.6628	5.37E-10	-0.17515	0.33979
AT1G25450	KCS5	140.2907	199.8356	180.2716	201.2588	211.3271	242.2323	178.75	187.7268	222.5841	212.0574	239.4601	178.1759	0.327423	0.106798	0.183842	0.435753	-0.274084	0.406936
AT1G25460	AT1G25460	2.377808	12.48972	7.725926	19.79595	18.54908	25.91786	7.114428	11.86779	10.73871	7.676285	5.321336	8.287252	1.332341	0.004957	0.355407	0.570278	0.002909	NA
AT1G25470	ERF116	0	0	0	0	0	0	0.889303	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G25472	CPuORF54	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G25480	ALMT4	129.5905	203.404	148.0802	211.1568	220.6016	214.3208	240.1119	225.488	193.2967	192.8667	211.5231	172.9964	0.433033	0.023862	0.461647	0.020077	0.271272	0.404134
AT1G25490	PPZA1	835.7995	829.6744	827.9617	665.6387	549.8478	719.719	692.7674	659.2018	470.5506	686.068	639.8906	656.7647	-0.36042	0.035235	-0.44381	0.010122	-0.32412	0.205576
AT1G25500	AT1G25500	68.95643	48.17464	65.67037	113.0019	109.9696	120.6177	117.3881	124.0723	134.7219	60.45074	61.19536	54.90305	0.856203	0.000035	0.986268	2.47E-06	-0.07458	0.893141
AT1G25510	AT1G25510	28.53369	33.90663	30.9037	21.85803	16.56168	16.94629	15.11816	16.9246	25.90746	27.93701	30.04129	30.04129	-1.12421	0.002811	-0.13126	0.869331	-0.13126	0.869331
AT1G25520	AT1G25520	104.6235	155.2294	126.1901	296.1144	292.1481	228.2765	250.7836	213.6202	263.5864	131.4564	95.78405	159.5296	1.064755	3.48E-07	0.898844	3.25E-05	0.02	

AT1G26480	GRF12	0	1.784246	0	0.412416	3.974804	0	0	1.07889	0.976246	1.919071	1.330334	1.035907	0.412928	0.542788	0.04504	0.955373	0.371078	NA
AT1G26490	AT1G26490	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G26500	AT1G26500	10.70014	17.84246	19.31482	12.78488	9.274542	17.94313	10.67164	18.34113	11.71495	17.27164	7.982004	11.39497	-0.23136	0.670631	-0.19249	0.750364	-0.28491	NA
AT1G26510	AT1G26510	2.377808	0	0	0.824831	0.662467	0	0	3.23667	1.952492	1.919071	2.660668	2.071813	-0.23846	0.754032	0.322527	0.675442	0.496515	NA
AT1G26515	AT1G26515	0	0	0	0.412416	0	0	0	0	0.976246	0	0	0	0.065752	NA	0.143461	NA	0	0
AT1G26520	AT1G26520	58.25629	69.5856	64.38272	83.30795	84.13334	76.75674	73.81219	78.75897	47.83605	52.77446	67.84703	63.1903	0.345573	0.192066	0.063755	0.857584	-0.06185	0.923603
AT1G26530	AT1G26530	8.322328	3.568492	7.725926	6.598649	8.612075	4.984204	3.557214	9.710009	5.857476	3.888143	9.312338	10.35907	0.009361	0.990376	-0.08167	0.916783	0.14507	NA
AT1G26540	AT1G26540	59.4452	32.11643	57.94445	23.50769	19.87402	11.96209	26.6791	21.5778	18.54867	43.1791	73.16837	48.68761	-1.28851	0.000125	-1.07792	0.002497	0.10167	0.897429
AT1G26550	AT1G26550	851.2552	884.986	1052.014	1951.963	1887.369	1425.482	1058.271	1186.779	1547.35	1191.743	1269.139	973.7521	0.89612	8.66607	0.432446	0.032183	0.29248	0.349972
AT1G26558	AT1G26558	3.566712	0	5.15067	4.536571	3.312336	1.993682	4.446517	3.23667	3.904984	6.716749	13.30334	5.179533	0.047007	0.954608	0.170768	0.838161	0.947207	NA
AT1G26560	BGLU40	360.2379	351.4965	296.1605	237.139	227.2263	198.3713	171.6356	149.9657	176.7005	383.8143	476.2596	377.07	-0.58582	0.00026	-0.99333	6.91E-10	0.288692	0.259067
AT1G26570	UGD1	78.46766	96.34929	84.98519	70.52306	72.8714	87.72199	63.14055	79.83786	69.31347	74.84378	74.4987	99.44703	-0.1677	0.528506	-0.27573	0.310801	-0.04659	0.937362
AT1G26580	AT1G26580	1734.611	1871.674	1667.512	1558.931	1619.732	1785.342	1892.438	1930.134	1758.219	1975.684	1847.834	1799.37	-0.08723	0.4896	0.08224	0.538578	0.093408	0.652681
AT1G26590	AT1G26590	3.566712	1.784246	2.575309	4.124156	5.962205	2.990522	4.446517	2.15778	2.928738	0.995936	3.991002	3.10772	0.45382	0.525376	0.132735	0.878966	-0.0479	NA
AT1G26600	CLE9	7.133424	3.568492	5.150617	9.897974	9.274542	2.990522	8.003731	6.47334	12.6912	6.716749	9.312338	8.287252	0.369283	0.562776	0.544088	0.400542	0.402336	NA
AT1G26610	AT1G26610	9.511232	17.36984	3.862963	1.649662	3.974804	2.990522	3.557214	5.39445	3.904984	4.797678	5.321336	4.143626	-0.91779	0.134596	-0.48553	0.492263	-0.37976	NA
AT1G26620	AT1G26620	189.0357	183.7773	160.9568	135.2723	116.5942	155.5072	128.949	161.8335	84.9334	37.2136	123.7211	152.2783	-0.38075	0.115333	-0.49078	0.047473	-0.35249	0.354676
AT1G26630	ELF5A-2	3792.604	3791.523	3735.9485	4322.115	4922.794	3463.025	2199.026	2764.116	4322.817	3864.05	4073.483	3648.463	0.163527	0.44927	-0.1743	0.438624	0.032714	0.947019
AT1G26640	AT1G26640	257.9922	230.1677	262.6815	420.6639	504.8001	362.85	316.592	242.7502	369.9972	294.5774	385.7969	281.7666	0.756994	0.000142	0.297047	0.205502	0.340423	0.306881
AT1G26650	AT1G26650	343.5932	322.9485	332.2148	198.3719	218.6142	205.3492	183.1965	172.6224	231.3703	336.797	327.2622	336.6696	-0.76760	2.4E-06	-0.75529	3.05E-07	0.002016	0.996198
AT1G26660	AT1G26660	24.96698	30.33218	34.76667	77.94654	60.94699	69.77889	59.58333	57.18117	67.36097	25.90746	34.58868	43.50807	1.154004	0.359E-05	0.972114	0.001033	0.18626	0.789505
AT1G26665	MED10B	158.1242	99.91778	158.3815	340.2428	418.6793	49.7268	558.4826	502.7627	680.4435	200.5429	196.8894	165.745	1.417527	3.95E-14	1.993288	2.65E-24	0.401877	0.208546
AT1G26670	VTI12	1029.591	1273.952	1263.189	1327.153	1258.688	1242.064	1177.438	1192.173	1497.561	1317.442	1483.322	1118.779	0.10212	0.587878	0.116109	0.552834	0.134215	0.656746
AT1G26680	REM17	5.94452	0	0	1.237247	1.324935	3.987363	2.66791	2.15778	0.976246	4.797678	5.321336	6.215439	-0.09145	0.9145	-0.09422	0.915478	0.771398	NA
AT1G26690	AT1G26690	170.0133	130.25	139.0667	294.0523	292.8105	250.207	178.75	158.5968	255.7765	192.8667	218.1748	157.4578	0.897864	1.79E-05	0.412117	0.086337	0.492439	0.334593
AT1G26700	MLO14	1.188904	0	0	0	0.662467	0.996841	0	0	0	0	1.330334	0	0.057614	NA	-0.24354	NA	-0.01082	NA
AT1G26710	AT1G26710	2.377808	0	1.287564	0	0	0	0	0	4.797678	1.330334	5.179533	0	-0.84676	0.173113	-0.7196	0.266301	0.494223	NA
AT1G26720	AT1G26720	4.755616	1.784246	1.287564	0	0	0	0	0	0.767285	1.330334	5.179533	0	-1.33969	0.032074	-1.18153	0.066951	0.585849	NA
AT1G26730	PHO1-H7	68.95643	89.2123	106.8753	75.05963	88.10815	99.68408	107.6057	92.78453	76.14719	92.11542	73.16837	95.3034	-0.02189	0.984815	0.064896	0.848998	-0.01249	0.986682
AT1G26740	AT1G26740	49.93397	35.68492	38.62963	105.166	105.9948	67.78517	90.70896	66.89118	105.4346	50.85539	54.54369	68.36983	1.100774	6.75E-05	0.006136	0.000465	0.434932	0.380705
AT1G26750	AT1G26750	118.8904	94.56504	109.4506	167.0283	146.4053	136.5672	100.4913	106.8101	123.007	129.5373	105.0964	110.842	0.466739	0.019168	0.019659	0.946399	0.089659	0.849275
AT1G26760	ATRX1	17.83356	14.27397	18.02716	18.14629	29.14856	12.95893	11.56905	17.26224	31.3703	336.797	327.2622	336.6696	0.227238	0.683228	0.206099	0.734392	0.015349	0.990423
AT1G26761	AT1G26761	342.4043	308.6746	296.1605	164.1414	137.7932	150.523	122.7239	117.599	137.5057	79.2249	264.7365	358.4327	-1.0423	1.6E-10	-1.29777	1.21E-14	-0.06715	0.866033
AT1G26762	AT1G26762	2.377808	3.568492	1.287564	19.18353	19.87402	9.968408	10.67314	6.47334	10.73871	3.888143	7.982004	5.179533	2.006527	0.000156	1.26738	0.032223	0.541768	NA
AT1G26770	EXPA10	168.8244	212.3253	190.5728	251.9859	229.2137	232.2639	160.0746	194.2002	223.5603	224.5313	170.2827	224.7917	0.322348	0.100113	0.020011	0.941819	0.126629	0.745931
AT1G26771	AT1G26771	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G26773	AT1G26773	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G26780	MYB117	7.133424	10.70548	9.01358	6.598649	6.624673	3.987363	5.335821	9.710009	1.952492	5.757214	11.97301	13.46678	-0.44639	0.469014	-0.49166	0.455215	0.183428	NA
AT1G26790	DOF1.3	1.188904	0	1.287564	0.412416	0	0	0	0	2.878607	2.660668	0	0	-0.42903	NA	-0.48878	NA	0.402113	NA
AT1G26795	AT1G26795	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT1G26796	AT1G26796	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT1G26797	AT1G26797	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G26798	AT1G26798	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT1G26799	AT1G26799	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G26800	AT1G26800	174.7689	226.5992	231.7778	216.1058	259.2427	252.2007	244.5585	245.9869	429.5482	182.3118	167.6221	227.8994	0.192961	0.493904	0.522222	0.040919	-0.12152	0.821152
AT1G26810	B3GAL11	108.1903	98.13353	88.84815	45.77813	47.69764	59.81045	57.80473	46.39227	46.85981	97.87263	82.48071	84.94434	-0.93841	1.84E-05	-0.92721	6.45E-05	-0.14489	0.757199
AT1G26815	AT1G26815	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G26820	RNS3	20.1137	21.41095	36.05432	36.70499	33.12336	28.90388	26.6791	18.34113	26.35864	63.32935	42.57069	35.22082	0.318718	0.42514	-0.1164	0.816362	0.790877	0.116762
AT1G26830	CUL3A	714.5313	592.3697	677.3062	571.608	538.5859	612.0602	575.3794	633.3084	592.5813	506.6348	474.9292	530.3841	-0.20873	0.114758	-0.14332	0.332522	-0.39077	0.016482
AT1G26840	ORC6	22.58917	21.41095	38.62963	37.52982	39.08557	41.86731	19.56468	14.02557	17.57243	42.21957	31.92802	38.32854	0.467167	0.171765	-0.63341	1.0315	0.40878	0.484870
AT1G26850	AT1G26850	2160.238	1739.64	1829.757	1248.382	1238.814	1434.454	1213.01	1442.476	1167.529	1660.956	1664.248	1624.301	-0.54339	3.13E-05	-0.57873	1.07E-05	-0.21004	0.338107
AT1G26860	AT1G26860	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT1G26870	FEZ	0	0	0	0	0	0	0	0	0.976246	0	0	0	0	NA	0.16673	NA	0	NA
AT1G26880	RPL34A	607.5299	685.1505	750.7025	956.3917	853.9203	781.5232	473.1095	483.3427	798.5692	687.987	522.8213	708.5601	0.334453	0.144726	-0.21243	0.411063	-0.08569	0.863358
AT1G26890	AT1G26890	3.566712	3.568																

AT1G27300	AT1G27300	159.3131	181.9931	160.9568	320.4469	361.0447	270.1439	358.3893	327.9825	510.5767	241.803	196.8894	168.8528	0.898985	1.91E-05	1.217952	3.6E-09	0.269796	0.494394
AT1G27310	NTF2A	378.0715	440.7088	463.5556	662.3394	535.936	454.5594	456.2127	456.3704	724.3745	479.7678	371.1632	323.1328	0.358089	0.13405	0.341434	0.176013	0.09005	0.848479
AT1G27320	AHK3	1249.538	1059.842	921.9605	676.774	649.2179	802.4568	928.4328	1042.208	680.4435	978.7263	967.1528	868.0897	-0.59153	0.000171	-0.28016	0.173282	-0.19579	0.559649
AT1G27330	AT1G27330	85.60108	85.64381	103.0123	626.0468	845.3082	441.6005	498.0099	264.328	791.7355	84.43914	66.5167	166.781	2.380235	1.73E-08	2.118611	7.4E-07	0.172359	0.868534
AT1G27340	FBK6	350.7267	419.2978	370.8445	397.981	418.6793	380.7932	357.5	367.9015	373.9022	371.3403	415.0642	282.8025	0.074494	0.709605	-0.04836	0.829653	-0.09132	0.792184
AT1G27350	AT1G27350	112.9459	99.91778	135.2037	393.4445	433.2536	272.1375	261.4552	201.7524	210.7524	183.5641	183.5861	183.5861	1.559125	1.98E-08	1.35351	0.295637	-0.492038	0.303504
AT1G27360	SP11	84.41218	114.1917	93.99877	99.39215	95.39529	77.75358	136.9527	117.599	123.007	127.6182	110.4177	111.8779	-0.06959	0.793142	0.37572	0.095729	0.269854	0.458722
AT1G27370	SP10	136.724	199.8356	158.3815	159.1924	193.4404	141.5514	167.1891	148.8868	123.9832	178.4736	194.2288	168.8528	0.014816	0.958549	-0.15093	0.560215	0.136548	0.748154
AT1G27380	RIC2	3.566712	0	3.862963	1.649662	2.649869	2.990522	3.358211	3.23667	3.904984	6.716749	7.982004	10.35907	-0.19474	0.802768	0.377026	0.623679	1.119878	NA
AT1G27385	AT1G27385	310.3039	479.9622	455.8296	387.2582	397.4804	355.872	430.4229	376.5326	406.1183	453.8604	399.1002	422.6499	-0.1169	0.567565	-0.0307	0.899876	0.041059	0.924386
AT1G27390	TOM20-2	306.7372	248.0102	297.4482	466.2337	483.6011	431.6321	380.6219	316.1148	425.6433	245.6411	299.3251	273.4793	0.658964	2.55E-05	0.385014	0.025872	-0.06793	0.86061
AT1G27400	RPL17A	782.2988	715.4827	836.9753	1008.356	992.376	834.3557	653.6381	624.6773	1034.821	767.6285	783.5667	965.4649	0.272992	0.212531	-0.01395	0.961962	0.10464	0.81058
AT1G27410	Z27420/F17L	99.86793	76.72258	91.42346	62.68717	79.49607	66.78833	62.25124	72.28563	48.8123	64.28889	71.83803	83.90843	-0.35985	0.152977	-0.54028	0.036976	-0.28512	0.510071
AT1G27420	AT1G27420	29.7226	26.76369	27.04074	33.40566	28.48609	47.84836	28.45771	30.20892	29.28738	34.54328	23.94601	31.0772	0.335243	0.305773	0.061078	0.898075	0.100838	0.900371
AT1G27430	AT1G27430	545.7069	469.2567	392.7346	284.9792	251.0751	349.8911	388.6256	480.106	276.2776	382.8547	373.8238	392.6086	-0.65263	0.002709	-0.29065	0.233502	-0.28402	0.441389
AT1G27435	AT1G27435	116.5126	115.976	137.779	165.3786	158.3297	124.6051	88.04104	89.54786	213.7979	135.2945	137.0244	139.8744	0.262977	0.442828	0.073581	0.860316	0.143592	0.831384
AT1G27440	IRX10	70.14533	58.88012	54.08148	50.72712	45.71024	41.86731	45.35448	47.47116	38.07359	50.85539	38.57969	31.0772	-0.37569	0.192606	-0.4655	0.127176	-0.56936	0.179491
AT1G27450	APT1	871.4666	1088.042	1086.78	1770.088	1836.359	1736.497	1402.432	1474.843	2004.233	1219.57	1294.415	1099.097	0.811062	1.63E-07	0.682689	1.67E-05	0.255503	0.336402
AT1G27460	NPGR1	374.5047	342.5752	327.0642	139.3965	151.0425	217.3113	192.9789	213.6202	156.1994	216.8551	219.5051	311.8079	-1.02166	0.90E-07	-0.86518	5.69E-05	-0.46516	0.148193
AT1G27461	AT1G27461	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0	NA	0	NA
AT1G27470	AT1G27470	172.3911	112.4075	144.2173	113.4143	89.43308	151.5198	130.7276	117.599	86.88589	146.809	115.7391	110.842	-0.28418	0.311895	-0.34906	0.230984	-0.19801	0.694983
AT1G27480	LCAT1	234.2141	255.1472	226.6272	224.3541	198.7402	213.3239	345.0498	379.7693	358.2823	274.4272	243.4511	254.833	-0.16032	0.322904	0.593601	2.09E-05	0.116471	0.687982
AT1G27490	AT1G27490	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT1G27500	AT1G27500	78.46766	69.5856	74.68395	49.90228	51.67245	60.80729	59.58333	63.65451	66.38473	47.97678	54.54369	58.01077	-0.46303	0.052043	-0.23061	0.413528	-0.46349	0.212111
AT1G27510	EX2	551.6514	590.5854	582.0198	489.5373	476.314	568.1992	674.9813	722.8563	681.8426	665.9177	578.6953	625.6875	-0.16962	0.265979	0.197623	0.207047	0.118917	0.655184
AT1G27520	MNS5	326.9486	347.928	352.8173	319.6221	243.788	330.9511	346.8284	329.0614	263.5864	308.9705	348.5475	394.6804	-0.19694	0.323726	-0.12552	0.578214	0.033668	0.942704
AT1G27530	AT1G27530	266.3145	360.4177	418.4887	632.2331	564.4221	452.5657	427.755	398.1104	503.7429	456.739	431.0282	398.824	0.647825	0.00073	0.340706	0.115222	0.294253	0.366212
AT1G27540	AT1G27540	193.7913	206.9725	209.8877	188.8863	190.7906	209.3366	188.5323	221.1724	175.7243	185.1904	168.9524	184.3914	-0.05487	0.787933	-0.06061	0.783991	-0.17307	0.566275
AT1G27550	AT1G27550	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0	NA
AT1G27560	AT1G27560	5.94452	3.568492	7.725926	2.062078	1.987402	5.981045	3.557214	5.39445	4.88123	3.838143	1.330334	2.071813	-0.62902	0.343358	-0.23706	0.766629	-0.7749	NA
AT1G27565	AT1G27565	7.133424	3.568492	12.87654	8.248311	15.23675	11.96209	16.89677	5.39445	21.47741	12.47396	13.30334	6.215439	0.396036	0.512546	0.669947	0.2591	0.284231	NA
AT1G27570	AT1G27570	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT1G27580	AT1G27580	134.3461	155.2294	124.9025	131.5606	129.8436	127.956	126.2811	127.309	102.5058	118.9824	117.0694	109.8061	-0.07765	0.733302	-0.20477	0.35236	-0.24582	0.453486
AT1G27590	AT1G27590	130.7794	108.3839	118.4642	68.46099	64.92179	92.70619	104.9378	80.91675	62.4974	98.8317	73.16837	95.3034	-0.65961	0.006782	-0.50814	0.054429	-0.40211	0.311054
AT1G27595	AT1G27595	349.5378	280.1266	305.1741	185.1746	196.0903	257.1849	312.1455	316.1148	192.3205	267.7104	260.7455	236.1867	-0.54508	0.011806	-0.18569	0.478689	-0.28445	0.44468
AT1G27600	IRX9H	218.7583	287.2636	231.7778	251.9859	231.2011	256.1881	260.5659	286.9847	291.8976	250.4388	258.0848	284.8743	0.013257	0.951099	0.193543	0.2848	0.114763	0.71857
AT1G27610	AT1G27610	0	0	1.287654	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT1G27620	AT1G27620	2.377808	1.784246	2.575309	2.886909	3.312336	0.996841	0	2.15778	0	0	0	0.1579533	0.092605	0.912123	-0.56359	0.441795	-0.14213	NA
AT1G27630	CYCT3-1	192.6024	228.3835	200.8741	293.6399	304.0725	330.9511	441.9838	372.217	350.4723	216.8551	270.0578	260.0125	0.570532	0.000407	0.897587	1.01E-08	0.261375	0.345021
AT1G27640	AT1G27640	0	0	0	0.824831	1.324935	1.993682	2.66791	0	0.976246	1.919071	1.330334	0	0.630341	0.318317	0.585012	0.373994	0.504089	NA
AT1G27650	UZAF35A	595.6409	579.88	575.5815	75.7195	805.5602	688.817	547.8109	590.1528	809.3079	546.9353	457.6349	494.1274	0.357311	0.036517	0.149947	0.460896	-0.21888	0.454462
AT1G27660	BHLH10	90.3567	73.15409	84.98519	49.07745	51.00998	41.86731	70.25498	47.47116	41.00233	112.2657	85.14137	91.15977	-0.77121	0.002194	-0.61799	0.023173	0.206654	0.670992
AT1G27670	AT1G27670	1.188904	3.568492	2.575309	2.062078	2.649869	0.996841	3.557214	4.31556	2.928738	0	1.330334	1.035907	-0.12462	0.881506	0.38887	0.626419	-0.63889	NA
AT1G27671	AT1G27671	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0.172362	NA
AT1G27680	APL2	172.3911	158.7979	195.7235	194.6602	194.1029	173.4503	172.5429	170.4646	161.8066	209.1788	234.1388	185.4273	0.091578	0.65322	-0.06892	0.765307	0.239343	0.403703
AT1G27690	AT1G27690	114.1348	94.56504	121.0395	142.6958	148.3927	128.5925	143.1779	148.8868	131.7932	105.5489	110.4177	98.41112	0.334678	0.082488	-0.341315	0.096346	-0.08237	0.853499
AT1G27695	AT1G27695	43.98945	42.8219	48.93086	74.67222	66.90919	57.81677	34.68284	38.84004	80.05217	85.39867	37.24935	45.57989	0.511171	0.179765	0.157124	0.743838	0.290609	0.680149
AT1G27700	AT1G27700	93.92341	73.15409	88.84815	94.85558	116.5942	93.70303	132.5062	98.17898	136.6744	97.87263	123.7211	99.44703	0.233085	0.354339	0.496063	0.037268	0.295537	0.456762
AT1G27710	AT1G27710	14.26685	58.88012	25.75309	5.361402	7.28714	0.996841	0	1.07889	1.952492	104.5894	19.95501	9.323159	-1.44922	0.032348	-1.94603	0.002	0.300984	0.8307
AT1G27720	TAF4	4.755616	8.92123	2.575309	15.67179	13.91181	20.93366	17.78607	18.34113	9.76246	10.55489	5.321336	7.251346	1.324487	0.00752	1.2094	0.021324	0.413820	NA
AT1G27730	ZAT10	19.02246	30.33128	42.49529	35.50888	290.8231	632.9939	768.3582	813.483	867.8827	24.94793	13.30334</							

AT1G28230	PUP1	156.9353	174.8561	184.1346	242.9128	223.9139	202.3587	384.1791	337.6926	346.5673	259.0746	349.8778	194.7504	0.368791	0.095508	1.02241	3.11E-07	0.614918	0.025132	
AT1G28240	AT1G28240	286.5259	289.0479	256.2432	221.0547	199.4026	264.1628	268.5697	271.8803	189.3917	162.9128	303.3161	265.1921	-0.2797	0.158377	-0.18326	0.413185	-0.00183	0.997083	
AT1G28250	AT1G28250	194.9802	217.6778	198.2988	353.8526	408.7423	310.0175	342.3818	241.6713	279.2064	192.8667	264.7365	243.438	0.798541	1.79E-05	0.941695	0.015617	0.191427	0.6204051	
AT1G28260	SMG7L	323.3819	322.9485	289.7222	296.9392	236.5008	352.8816	361.9465	389.4793	260.6577	228.3695	276.7095	269.3357	-0.08013	0.754032	0.11012	0.672371	-0.26743	0.446507	
AT1G28270	RALFL4	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	0.160764	NA	0	NA	
AT1G28280	VQ4	257.9922	226.5992	207.3123	335.2939	284.1985	338.9259	281.0199	283.7481	305.565	219.7337	227.4871	166.781	0.458779	0.007102	0.322289	0.085374	-0.17447	0.595466	
AT1G28281	AT1G28281	0	0	0	0	0.662467	0.996841	0	1.07889	0	0	0	0	0.274912	NA	0.172872	NA	0	NA	
AT1G28290	AGP31	778.7321	321.1643	400.4605	399.2183	471.0142	287.0901	275.6841	226.5669	387.5697	461.5366	408.4125	487.912	-0.35396	0.281937	-0.71141	0.022416	-0.13854	0.836557	
AT1G28300	LEC2	0	0	1.287654	1.649662	0	0	1.778607	0	0	0	2.660668	2.071813	0.05312	NA	0.056335	NA	0.38837	NA	
AT1G28304	AT1G28304	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G28305	AT1G28305	0	0	0	0	0	0	0	0	0.959536	0	0	0	0	NA	0	NA	0	1.71512	NA
AT1G28306	AT1G28306	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G28307	AT1G28307	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G28310	DOFL4	196.1692	114.1917	149.3679	134.4475	129.1811	152.5166	160.9639	168.3068	135.6982	137.2136	99.77505	143.991	-0.15818	NA	0.001246	0.996893	-0.26832	0.505894	
AT1G28320	DEG15	336.4598	378.2602	329.6395	364.9878	363.0321	387.7711	444.6517	483.3427	270.4201	308.0109	280.7005	310.772	0.094435	0.705975	0.19527	0.418694	-0.20589	0.584305	
AT1G28323	AT1G28323	0	0	0	0	0	0	0.889303	1.07889	0.976246	0.959536	0	0	0	NA	0.546164	NA	0.192033	NA	
AT1G28327	AT1G28327	0	0	0	0	0.662467	0	1.07889	0	0	0	0	1.035907	0.09889	NA	0.162396	NA	0.164429	NA	
AT1G28330	DYLL1	578.9962	785.0683	630.9506	988.1477	1020.2	1296.89	2797.749	3002.551	4945.662	593.9526	589.3379	570.7845	0.705365	0.001187	2.35605	5.2E-32	-0.17743	0.684244	
AT1G28335	LCR31	0	0	0	0	0	0	1.07889	0	0	0	0	0	0	NA	0.16673	NA	0	NA	
AT1G28340	ATLRP4	492.2062	515.6471	424.9259	437.1605	416.0294	444.591	480.2239	457.4493	364.1398	436.5887	397.7699	484.8043	-0.13864	0.433673	-0.13337	0.480404	-0.11279	0.718015	
AT1G28350	AT1G28350	288.9037	274.7739	291.0099	295.702	269.6242	312.0112	325.4851	348.4815	265.5389	337.7565	312.6285	273.4793	0.032935	0.876484	0.131486	0.505556	0.108823	0.743249	
AT1G28360	ERF12	5.94452	3.568492	7.725926	4.536571	5.299738	2.990522	6.225124	5.39445	6.067889	7.676285	2.660668	9.323159	-0.32168	0.634506	0.105884	0.893181	0.145878	NA	
AT1G28370	ERF11	4.755616	3.568492	6.438272	49.07745	55.64725	114.6367	184.0858	143.4924	221.6078	5.757214	5.321336	4.143626	3.111771	2.93E-14	4.379103	7E-28	-0.0629	0.963009	
AT1G28375	AT1G28375	0	5.327338	0	0.824831	0	0	0.889303	1.07889	0	5.757214	2.660668	5.179533	-0.63864	0.349447	-0.38341	0.616201	0.847491	NA	
AT1G28380	NSL1	417.3053	403.2396	352.8173	547.6879	402.7801	626.016	698.1032	758.4596	542.7928	312.8086	319.2802	277.6229	0.413786	0.380796	0.75036	8.39E-05	-0.35799	0.248204	
AT1G28390	AT1G28390	38.04493	33.90067	28.3284	27.63184	25.83622	14.95261	32.01493	32.3667	41.00233	31.66468	34.58868	18.64632	-0.46863	0.205786	0.067266	0.889594	-0.23045	0.750051	
AT1G28395	AT1G28395	36.85602	44.60615	51.50617	72.58514	61.60946	36.88311	40.90796	42.07671	50.76479	46.05771	43.90102	48.68761	0.377676	0.245578	0.009798	0.881997	0.061303	0.938169	
AT1G28400	AT1G28400	351.9156	228.3835	230.4901	281.6798	224.5764	224.2892	330.8209	357.1126	348.5198	213.9764	242.1208	216.5045	-0.14857	0.51319	0.337843	0.110565	-0.27294	0.413608	
AT1G28410	AT1G28410	111.757	219.4623	222.7642	186.8243	182.1785	188.4029	241.0012	181.2535	140.5794	175.595	178.2648	170.9246	0.016268	0.9632	0.031597	0.931725	-0.06712	0.915892	
AT1G28420	HB-1	573.0517	494.2623	378.5704	223.1168	182.1785	283.1028	279.2413	245.2448	261.6339	346.3924	279.3701	390.5368	-0.104286	5.91E-07	-0.68553	0.001903	-0.49043	0.122184	
AT1G28430	CPV705A24	1.188904	3.568492	0	0.824831	0	0	2.66791	0	0	0.959536	1.330334	0	-0.50554	0.415121	-0.18534	0.800485	-0.26478	NA	
AT1G28440	HSL1	896.4336	669.0923	636.1012	347.2539	321.9591	374.8121	347.7177	413.2148	329.9711	508.5539	389.7879	549.0305	-0.105612	1.44E-09	-0.99331	2.09E-08	-0.59094	0.011411	
AT1G28447	AT1G28447	0	0	0	0	0	0	0	0	0	0.959536	0	0	0	NA	0	NA	0	1.71512	NA
AT1G28450	AGL58	0	0	0	0.412416	0	0	1.778607	0	1.952492	0.959536	2.660668	2.071813	-0.03485	0.962645	0.63612	0.306655	0.859155	NA	
AT1G28455	AT1G28455	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA	
AT1G28460	AGL59	0	0	1.287654	0.662467	0.996841	0	0	0	0	0	0	1.035907	0.051472	NA	-0.25028	NA	-0.04093	NA	
AT1G28465	AT1G28465	0	0	0	0.662467	0	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA	
AT1G28470	NAC010	4.755616	3.568492	3.826963	10.7228	7.949607	11.96209	14.22886	8.63112	11.71495	10.55489	6.65167	13.46678	0.931999	0.086058	1.092088	0.050759	0.953592	NA	
AT1G28480	GRXC9	4.755616	3.568492	3.826963	105.9908	100.0326	117.6272	17.78607	21.5778	59.55101	8.838143	1.330334	2.071813	3.403031	6.96E-16	1.825712	0.000066	-0.85562	0.319028	
AT1G28490	SPY61	222.325	237.3047	243.3667	361.6885	380.9187	297.0586	266.791	267.5647	368.0447	335.8375	328.5925	291.0897	0.558169	0.001638	0.531735	0.071662	0.433529	0.091364	
AT1G28500	AT1G28500	0	0	0	0.412416	0	0	1.778607	0	0	0	0	0	0.060593	NA	0.260815	NA	0	NA	
AT1G28510	AT1G28510	185.469	155.2294	164.8198	223.5292	233.8509	188.4029	186.7537	135.9401	191.3442	189.9881	208.8624	182.3195	0.345883	0.073996	0.021269	0.938057	0.187658	0.595038	
AT1G28520	VOZ1	315.0595	303.3218	279.421	290.3406	263.662	321.9796	313.9241	294.537	252.8477	267.7104	190.2378	274.5152	-0.03776	0.871533	-0.05795	0.813158	-0.28027	0.337689	
AT1G28530	AT1G28530	87.97889	82.07532	95.28642	68.04857	88.77061	63.79781	72.92289	85.23231	62.47974	92.11542	111.7481	101.5188	-0.25877	0.304493	-0.26492	0.332499	0.186234	0.678029	
AT1G28540	AT1G28540	39.23383	53.52738	45.0679	82.0707	79.49607	69.77885	84.48383	51.78672	106.4108	43.1791	41.24035	61.11849	0.722416	0.015154	0.78527	0.010311	0.08908	0.903758	
AT1G28550	RABAI1	1.188904	0	0	0.412416	0.662467	0	0.889303	1.07889	0	0	0	0	-0.127129	NA	0.12795	NA	-0.25511	NA	
AT1G28560	SRD2	47.55616	37.46917	51.50617	52.78919	49.68505	34.88943	45.35448	43.1556	59.55101	75.80331	49.22236	48.68761	0.016285	0.968159	0.096782	0.815165	0.323848	0.552155	
AT1G28570	AT1G28570	46.36725	58.88012	36.05432	84.95761	85.45828	81.74094	83.59453	84.15342	94.69586	35.50282	29.26735	48.68761	0.825773	0.00089	0.877586	0.000594	-0.265	0.612544	
AT1G28580	AT1G28580	203.3026	185.5616	207.3123	611.6123	641.9308	628.0097	546.0323	483.3427	639.4411	174.6355	176.9344	243.438	1.621781	1.88E-24	0.151986	2.00E-19	-0.00528	0.992201	
AT1G28590	AT1G28590	0	0	0	0	0.662467	0	0	0	0	0	1.330334	0	0.101524	NA	0	NA	0.179327	NA	
AT1G28591	AT1G28591	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G28600	AT1G28600	255.6143	294.4006	271.6951	495.7235	460.4148	471.5057	465.995	402.4259	448.0969	261.9532	308.6375	304.5565	0.794055	1.39E-09	0.678086	5.68E-07	0.09127	0.764628	
AT1G28610	AT1G28610	242.5364	287.2636	252.3803	161.6669	165.6168	112.643	127.8794	173.7013	164.0093	338.7161	317.9498	338.7414	-0.79139	1.15E-05	-0.47457	0.015464	0.346814	0.221611	
AT1G28620	AT1G28620	36.85602	28.54794	43.78025	14.84696	21.19895	14.95261	20.45398	11.86779	17.57243	36.46235	38.57969	36.25673	-1.03028	0.002059	-1.03318	0.004007	0.011835	0.990348	
AT1G28630	AT1G28630	0	0	0	0	0	0	1.778607	0	0	0	0	1.035907	0	NA	0.26262	NA	0.150298	NA	
AT1G28640	AT1G28640	1.188904	1.784246	1.287654	2.062															

AT1G29075	AT1G29075	1.188904	1.784246	0	0.412416	0	0	0.889303	0	0	0	0	0	0	0	0	0	0	0	-0.40146	NA	-0.29287	NA	-0.48079	NA	
AT1G29080	AT1G29080	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G29090	AT1G29090	0	0	0	0.824831	0	0.996841	0.889303	0	2.928738	0	0	1.035907	0.288926	NA	0.594789	NA	0.162572	NA	0.162572	NA	0.162572	NA	0.162572	NA	
AT1G29100	AT1G29100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G29110	AT1G29110	2.377808	0	0	1.237247	0	0	1.07889	0	0	0	0	0	0	0	0	0	0	0	0	-0.13047	NA	-0.18161	NA	-0.34339	NA
AT1G29120	AT1G29120	236.5919	214.1095	251.0926	185.587	176.8788	230.2702	261.4552	303.1681	247.9665	325.2826	252.7635	277.6229	-0.253	0.184434	0.201504	0.329662	0.280287	0.325972	0.280287	0.325972	0.280287	0.325972	0.280287	0.325972	
AT1G29140	AT1G29140	0	1.784246	0	0	0	0	0	0	0.972646	0	0	1.035907	-0.2933	NA	-0.08033	NA	-0.06705	NA	-0.06705	NA	-0.06705	NA	-0.06705	NA	
AT1G29150	RPN6	831.0439	822.5374	822.8111	922.5736	1014.9	1003.819	826.1629	949.4231	922.5525	786.8192	740.996	671.2674	0.244415	0.042292	0.121572	0.387187	-0.16974	0.398073	-0.16974	0.398073	-0.16974	0.398073	-0.16974	0.398073	
AT1G29160	DOF1.5	11.88904	1.784246	10.30123	16.90904	15.23675	13.95577	21.34328	11.86779	40.02609	26.867	10.64267	14.50269	0.664426	0.219187	1.225919	0.017072	0.819088	0.309621	0.819088	0.309621	0.819088	0.309621	0.819088	0.309621	
AT1G29170	SCAR3	198.547	140.9554	144.2173	70.93548	84.79581	83.73463	90.70896	96.0212	57.59851	145.8494	167.6221	145.0269	-0.99594	5.16E-06	-0.95887	0.000024	-0.08486	0.870405	-0.08486	0.870405	-0.08486	0.870405	-0.08486	0.870405	
AT1G29179	AT1G29179	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G29180	AT1G29180	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G29190	AT1G29190	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G29195	AT1G29195	15.45575	8.92123	12.87654	14.02213	11.26194	11.96209	7.114428	9.710009	10.73871	13.4335	5.321336	9.323159	-0.00446	0.994736	-0.39084	0.501433	-0.32921	NA	-0.32921	NA	-0.32921	NA	-0.32921	NA	
AT1G29200	AT1G29200	14.26685	5.352738	6.438272	1.237247	1.987402	4.984204	2.66791	1.07889	2.928738	2.878607	11.97301	7.251346	-1.24602	0.039492	-1.27034	0.054835	-0.22298	NA	-0.22298	NA	-0.22298	NA	-0.22298	NA	
AT1G29210	AT1G29210	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G29220	AT1G29220	137.9129	157.0137	169.9704	193.4229	195.4278	215.3176	174.3035	199.5946	204.0354	191.9071	174.2738	171.9605	0.368318	0.030748	0.308698	0.096729	0.211735	0.48624	0.211735	0.48624	0.211735	0.48624	0.211735	0.48624	
AT1G29230	CIPK18	4.755616	1.784246	4.438272	4.536571	2.649869	4.984204	6.225124	3.23667	5.857476	2.878607	3.991002	5.179533	-0.11364	0.884062	0.14019	0.86492	-0.11373	NA	-0.11373	NA	-0.11373	NA	-0.11373	NA	
AT1G29240	AT1G29240	102.2457	103.4863	82.40988	163.729	168.2667	155.5072	134.2848	155.3602	94.69586	71.96517	75.82904	82.82752	0.743197	0.000462	0.403754	0.096627	-0.3056	0.447456	-0.3056	0.447456	-0.3056	0.447456	-0.3056	0.447456	
AT1G29250	AT1G29250	462.4836	433.5718	558.842	703.1686	737.3261	512.3762	485.5597	427.2404	750.7332	582.4381	533.4639	82.75439	0.411659	0.07709	1.85707	0.496638	0.246676	0.54074	0.246676	0.54074	0.246676	0.54074	0.246676	0.54074	
AT1G29260	PEX7	223.5139	299.7533	225.3395	256.1101	300.0977	271.1407	269.459	254.618	407.0946	249.4793	212.8534	255.8689	0.146403	0.557275	0.31351	0.185657	-0.04835	0.927984	-0.04835	0.927984	-0.04835	0.927984	-0.04835	0.927984	
AT1G29265	MIR399A	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G29270	AT1G29270	19.02246	16.05821	9.01358	42.89122	51.67245	35.88627	28.45771	26.97225	38.07359	11.51443	7.982004	23.82585	1.408209	0.000213	0.950988	0.023557	-0.01022	0.992945	-0.01022	0.992945	-0.01022	0.992945	-0.01022	0.992945	
AT1G29280	WRKY65	3.566712	3.568492	2.975309	18.5587	16.56168	11.96209	14.22886	32.3667	17.57243	4.797678	3.991002	2.071813	1.685915	0.001091	2.032557	0.000078	0.044206	NA	0.044206	NA	0.044206	NA	0.044206	NA	
AT1G29290	AT1G29290	1.188904	5.352738	3.862963	24.33252	28.48609	37.87995	28.45771	24.81447	44.90732	1.919071	0	1.035907	2.493996	1.24E-07	2.608895	3.9E-08	-0.70464	0.491396	-0.70464	0.491396	-0.70464	0.491396	-0.70464	0.491396	
AT1G29300	UNE1	39.23383	37.46917	34.76667	47.01538	54.98478	60.80729	56.02612	66.89118	82.00466	66.46235	30.59768	26.93357	0.499384	0.029681	0.830861	0.003999	-0.22686	0.711776	-0.22686	0.711776	-0.22686	0.711776	-0.22686	0.711776	
AT1G29310	AT1G29310	261.5589	244.4417	281.9963	913.0881	860.545	989.8629	729.2239	763.8541	604.2965	236.0458	199.5501	204.0736	1.779541	1.49E-38	1.386897	0.352E-23	-0.29572	0.239391	-0.29572	0.239391	-0.29572	0.239391	-0.29572	0.239391	
AT1G29320	AT1G29320	141.4796	117.7602	131.3407	204.9705	209.3397	200.365	183.1965	190.9635	205.9879	181.3522	184.9164	142.9551	0.63311	0.00017	0.548991	0.002058	0.361557	0.181844	0.361557	0.181844	0.361557	0.181844	0.361557	0.181844	
AT1G29330	ERD2A	68.95643	76.72258	60.51975	116.7136	143.7554	103.6714	132.5062	78.75897	125.9357	66.20796	45.23135	46.61579	0.795533	0.002234	0.688591	0.012313	-0.34564	0.484078	-0.34564	0.484078	-0.34564	0.484078	-0.34564	0.484078	
AT1G29340	PUB17	576.6184	528.1368	512.4864	429.737	416.6919	536.3003	536.25	635.4662	517.4104	396.2882	324.6015	445.4398	-0.22736	0.211609	0.05999	0.79374	-0.46008	0.042634	-0.46008	0.042634	-0.46008	0.042634	-0.46008	0.042634	
AT1G29350	AT1G29350	551.6514	524.5683	475.1445	508.9208	390.8557	534.3067	548.7002	604.1784	312.3987	510.473	488.2326	440.2603	-0.11034	0.692458	-0.07999	0.975669	-0.10485	0.836689	-0.10485	0.836689	-0.10485	0.836689	-0.10485	0.836689	
AT1G29355	AT1G29355	2.377808	0	3.862963	3.299235	4.637271	1.863962	3.527214	0	3.904984	1.919071	1.330334	1.035907	0.353299	0.642902	0.089854	0.910932	-0.27412	NA	-0.27412	NA	-0.27412	NA	-0.27412	NA	
AT1G29357	AT1G29357	38.04493	46.3904	43.78025	58.97543	70.22153	43.86099	55.13682	53.9445	56.62227	35.50282	21.28534	50.75942	0.42869	0.186857	0.355041	0.322087	-0.20811	0.752476	-0.20811	0.752476	-0.20811	0.752476	-0.20811	0.752476	
AT1G29360	AT1G29360	0	0	0	0.412416	0.662467	0	0.889303	0	0	0	0	0	0.208167	NA	0.156588	NA	0	NA	0	NA	0	NA	0	NA	
AT1G29370	AT1G29370	622.9857	574.5272	574.2938	523.3554	433.2536	574.1803	576.2687	639.7817	344.6148	497.999	529.4729	474.4452	-0.20661	0.386959	-0.17875	0.486554	-0.23261	0.541828	-0.23261	0.541828	-0.23261	0.541828	-0.23261	0.541828	
AT1G29380	AT1G29380	21.40027	16.05821	14.1642	15.25938	11.92441	19.93682	16.00746	14.02557	7.809968	17.27164	27.93701	14.50269	-0.14418	0.78824	-0.391	0.460121	0.155299	0.879545	0.155299	0.879545	0.155299	0.879545	0.155299	0.879545	
AT1G29390	CORA13IM2	438.7056	537.0581	512.4864	377.3603	433.9161	328.9575	455.3234	467.1593	688.2534	578.6	742.3264	474.4452	-0.36911	0.106257	-0.112389	0.68843	0.262168	0.490915	0.262168	0.490915	0.262168	0.490915	0.262168	0.490915	
AT1G29395	CORA13IM1	770.4098	1300.715	1027.548	269.3074	301.4226	274.1312	413.5261	380.8481	551.579	946.1021	844.7621	835.9766	-1.82132	1.41E-22	-1.16773	9.13E-10	-0.22871	0.524941	-0.22871	0.524941	-0.22871	0.524941	-0.22871	0.524941	
AT1G29400	M15	1324.439	1248.972	1117.684	926.2854	907.5802	994.8471	1051.157	1093.994	824.9279	966.2524	905.9574	916.7773	-0.38024	0.005876	-0.30989	0.033956	-0.3988	0.027445	-0.3988	0.027445	-0.3988	0.027445	-0.3988	0.027445	
AT1G29410	PAI3	97.49012	87.42806	96.14938	78.77137	77.50867	93.70303	98.71269	71.20674	71.26596	97.82623	106.4267	103.5907	-0.19717	0.423871	-0.22816	0.386127	0.104609	0.83156	0.104609	0.83156	0.104609	0.83156	0.104609	0.83156	
AT1G29418	AT1G29418	78.46766	57.09587	63.09506	84.13278	120.569	75.7599	104.9378	63.65451	76.14719	65.24849	47.89202	91.15977	0.463108	0.140551	0.277899	0.442259	0.037031	0.964031	0.037031	0.964031	0.037031	0.964031	0.037031	0.964031	
AT1G29420	SAUR61	13.07794	12.48972	20.60247	7.011065	3.312336	1.993682	4.446517	1.07889	3.904984	13.4335	30.59768	20.71813	-1.41404	0.005372	-1.66612	0.001881	0.409742	NA	0.409742	NA	0.409742	NA	0.409742	NA	
AT1G29430	SAUR62	130.7794	105.																							

AT1G2990	PF06	328.1375	396.1026	450.679	678.836	743.9507	628.0097	535.3607	413.2148	665.7998	470.1725	537.4549	487.912	0.78653	1.92E-05	0.449079	0.026034	0.339202	0.263611
AT1G3000	MNS5	236.5919	281.9109	242.079	268.4825	288.8357	334.9385	354.8321	313.957	348.5198	214.936	183.5861	224.7917	0.225472	0.190659	0.42095	0.010871	-0.27023	0.310967
AT1G3000	AT1G30010	60.6341	48.17464	65.67037	38.35465	41.07297	49.84204	51.5796	48.55005	38.07359	44.13864	37.24935	59.04667	-0.44306	0.126585	-0.32995	0.310915	-0.29916	0.561658
AT1G30016	AT1G30016	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT1G30020	AT1G30020	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.21734	NA	-0.1981	NA	0.123077	NA
AT1G30030	AT1G30030	0	1.784246	0	0	0	0	3.557214	0	0	0.959536	0	1.035907	-0.31916	NA	0.293487	NA	0.074625	NA
AT1G30040	GAZ0X2	24.96698	23.1952	36.05432	43.71605	38.4231	29.90522	67.58706	58.26006	54.66978	39.34096	29.26735	33.14901	0.391482	0.248177	1.02154	0.000845	0.24601	0.700478
AT1G30050	AT1G30050	0	0	0	0	2.062078	1.324935	0	0	0	0	0	0	0.556115	NA	0	NA	0	NA
AT1G30060	AT1G30060	0	0	0	0	0.412416	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT1G30070	AT1G30070	99.86793	107.0548	119.7519	151.7689	142.4305	135.5703	104.0485	110.0468	123.007	126.6587	87.80204	114.9856	0.392341	0.054331	0.043054	0.881915	0.023668	0.966307
AT1G30080	AT1G30080	1.188904	0	2.575309	0.824831	3.974804	2.990522	0.889303	2.15778	0	0	1.330334	1.035907	0.445525	0.538249	-0.1508	0.857564	-0.2544	NA
AT1G30090	AT1G30090	215.1916	212.3253	243.3667	185.9994	155.0173	182.4219	152.9602	208.2258	224.5366	184.2308	154.3187	193.7145	-0.3509	0.077123	-0.19582	0.391426	-0.32285	0.296514
AT1G30100	NCED5	4.755616	5.352738	2.575309	3.299325	1.987402	2.990522	6.225124	2.15778	3.904984	0.959536	1.330334	0	-0.34496	0.644382	0.027807	0.974803	-1.11088	NA
AT1G30110	NUD2T5	30.9115	24.97944	33.47901	21.85803	27.82363	23.92418	26.6791	20.49891	36.1211	52.77446	38.57969	39.36445	-0.28364	0.459525	-0.10319	0.824754	0.507423	0.341028
AT1G30120	PDH-E1 BETA	1028.402	911.7497	869.1667	657.8028	566.4095	612.0662	585.1617	634.3873	612.1062	901.9635	909.9484	91.9185	-0.60733	6.92E-08	-0.61343	8.65E-08	-0.04135	0.880395
AT1G30130	AT1G30130	117.7015	117.7602	126.1901	115.4764	112.6194	111.6462	116.4988	133.7824	141.5557	141.0517	130.3727	137.7756	-0.08776	0.693862	0.109269	0.641751	0.17585	0.608272
AT1G30135	TIFYS4	2.377808	1.784246	6.438272	4.948987	7.28714	8.971567	18.67537	8.63112	32.21612	0.766285	2.660668	1.035907	0.560982	0.391974	1.779486	0.001784	0.028605	NA
AT1G30140	AT1G30140	1.188904	0	0	0	0	0	0.889303	2.15778	0	0.959536	1.330334	0	-0.29747	NA	-0.0612	NA	0.161183	NA
AT1G30150	AT1G30150	0	0	0	0	0.662467	0	0	0	0	0	0	1.035907	0.098893	NA	0	NA	0.150283	NA
AT1G30160	AT1G30160	28.53369	10.70548	21.89012	9.897974	10.59948	8.971567	8.893035	9.710009	11.71495	14.39303	19.95501	17.61041	-0.94977	0.02688	-0.9123	0.049656	-0.25456	NA
AT1G30170	AT1G30170	0	0	0	0	1.993682	0.889303	2.15778	0.976246	0.959536	2.660668	2.071813	0	0.20658	0.771858	0.624994	0.333434	0.824708	NA
AT1G30180	AT1G30180	0	1.784246	0	0	0	0	0	1.07889	0	0	0	0	-0.26712	NA	-0.06363	NA	-0.24374	NA
AT1G30190	AT1G30190	15.45575	17.84246	23.17778	23.09527	28.48609	36.88311	46.24378	59.33895	49.78855	15.35257	25.27635	20.71813	0.544423	0.149598	1.339859	9.13E-05	0.0782	0.935116
AT1G30200	AT1G30200	469.6171	528.1368	464.8432	369.5244	382.2436	408.7047	302.3632	358.1915	365.116	373.2594	377.8148	468.1759	-0.32882	0.029	-0.50285	0.000768	-0.2566	0.277498
AT1G30210	TCP24	618.2301	645.8971	667.0049	588.9294	610.1324	640.9686	641.1878	661.3595	535.9591	730.2066	774.2544	626.7593	-0.67047	0.674031	-0.06999	0.694955	0.140806	0.574689
AT1G30220	INT2	7.133424	5.352738	10.30123	44.9533	55.64725	48.8452	63.14055	50.70783	60.52725	63.68281	10.64267	12.43088	2.336703	1.28E-10	2.55227	2.55E-12	0.298968	0.740119
AT1G30230	AT1G30230	5294.189	5406.265	6129.235	6535.55	8019.166	6541.269	6446.561	5749.404	8606.585	6208.196	7195.776	5563.854	0.319341	0.084402	0.299555	0.122475	0.168815	0.606786
AT1G30240	AT1G30240	108.1903	85.64381	86.27284	70.93548	75.52127	92.70619	97.82338	91.70564	74.1947	71.00564	75.82904	78.7289	-0.24678	0.316945	-0.09091	0.764362	-0.31118	0.430837
AT1G30250	AT1G30250	78.46766	85.64381	72.10864	56.08852	58.95959	33.89259	100.4913	83.07453	198.1795	95.95356	183.5861	85.98024	-0.59133	0.117394	0.638441	0.095398	0.571682	0.31129
AT1G30260	AT1G30260	64.20081	85.64381	77.5605	86.60727	98.70762	58.81361	31.6169	90.62675	240.1565	127.6182	102.4357	107.7343	0.047412	0.914246	0.901141	0.005849	0.47761	0.372189
AT1G30270	CIPK23	259.1811	189.1301	216.3259	358.3891	300.5712	371.8216	383.2898	376.5326	347.5436	223.5718	166.2917	167.8169	0.651309	8.79E-05	0.713188	2.16E-05	-0.25126	0.407847
AT1G30280	AT1G30280	55.87849	53.52738	63.09506	47.42779	45.04777	38.87679	50.70783	44.90732	59.49121	63.85603	83.90843	0	-0.36766	0.185997	-0.21439	0.505895	0.251759	0.507334
AT1G30282	AT1G30282	3.566712	0	1.287654	2.886909	1.987402	0.996841	0.889303	1.07889	0.976246	0.959536	0	2.071813	0.152126	0.85258	-0.31786	0.680337	-0.27266	NA
AT1G30290	AT1G30290	102.2457	85.64381	69.53333	55.26369	47.69764	50.83888	57.58706	53.9445	60.52725	66.20796	78.82004	70.44164	-0.71213	0.00234	-0.47929	0.064099	-0.25037	0.5675
AT1G30300	AT1G30300	83.22328	87.42806	64.38272	101.4542	129.1811	108.6556	136.0634	90.62675	103.4821	83.4796	74.4987	73.54936	0.515468	0.030285	0.484645	0.055809	-0.012	0.987026
AT1G30310	AT1G30310	0	0	0	0	0	0	2.15778	0	0	0	0	0	0	NA	0.266481	0	0	NA
AT1G30320	AT1G30320	159.3131	110.6233	168.6827	173.627	149.0551	170.4598	210.7649	253.5391	289.9451	171.7569	194.2288	126.3806	0.150688	0.566057	0.744654	0.000649	0.143668	0.757199
AT1G30330	ARF6	1116.381	695.856	638.6766	287.4537	256.3748	363.8469	349.4963	435.8715	271.3964	566.126	586.6773	529.3482	-1.38561	4.37E-10	-1.17169	2.25E-07	-0.52558	0.123878
AT1G30340	AT1G30340	1.188904	0	0	0	0.996841	0	2.15778	0	0	0	0	0	-0.06416	NA	0.102626	NA	-0.19806	NA
AT1G30350	AT1G30350	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G30360	ERD4	2318.363	2333.794	1981.7	1421.184	1422.98	1772.383	2075.634	2503.025	1705.502	1600.505	1571.124	1636.732	-0.51512	0.001377	-0.07674	0.722083	-0.45585	0.034513
AT1G30370	AT1G30370	1.188904	3.568492	0	3.71174	5.299738	4.984204	3.557214	1.07889	3.904984	1.919071	2.660668	1.035907	0.931058	0.159974	0.46307	0.549605	0.117097	NA
AT1G30380	PSAK	14100.4	15269.58	15128.65	9591.137	10369.6	7285.909	8805.883	6718.248	15239.2	17220.79	17442.01	19832.43	-0.67917	0.005772	-0.51118	0.050974	0.280831	0.522993
AT1G30390	AT1G30390	1.188904	0	1.287654	1.237247	0.662467	0	0.889303	2.15778	0	0	1.330334	0	-0.0786	NA	0.062178	NA	-0.2369	NA
AT1G30400	ABCC1	1484.941	1372.085	1246.449	1010.006	919.5046	1159.326	1455.79	1592.442	1010.415	1196.541	1106.838	1205.795	-0.40277	0.025855	-0.01582	0.950303	-0.22084	0.475852
AT1G30410	ATMRP13	443.4612	463.904	439.0901	617.3861	558.4599	817.4094	546.0323	577.2061	287.0163	392.4501	367.1722	338.7414	0.543964	0.024676	0.064463	0.846168	-0.28188	0.509223
AT1G30420	ABCC11	162.8798	187.3458	185.4222	275.906	259.6872	373.8153	369.9502	424.0037	219.6553	136.2541	156.9794	135.7038	0.731789	0.002315	0.886285	0.000214	-0.3076	0.483017
AT1G30430	AT1G30430	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G30440	AT1G30440	596.8298	419.2978	381.1457	238.7886	227.2263	252.2007	213.4328	253.5391	274.3251	327.2016	440.3405	371.8904	-0.94033	6.43E-07	-0.89508	3.48E-06	-0.29312	0.370292
AT1G30450	CCCI	367.3713	299.7533	258.8185	240.4383	237.8258	315.0017	337.9353	286.9847	222.5841	280.1844	296.6645	276.587	-0.22567	0.317472	-0.12511	0.691263	-0.1173	0.785871
AT1G30455	AT1G30455	3.566712	3.568492	5.150617	2.886909	3.312336	2.990522	6.47334	1.952492	4.797678	2.660668	4.143626	0	-0.29266	0.691055	0.106877	0.883425	-0.03985	NA
AT1G30460	CPSF30	127.2127	146.3082	148.0802	177.3387	143.7554	184.4155	167.1891	181.2535	158.5119	148.728	179.5951	142.9551	0.257751	0.198312	0.261684	0.221742	0.154166	0.680022
AT1G30470	AT1G30470	640.8192	727.9274	570.4309	523.3554	558.4599	598.1045	592.2761	613.8884	446.1444	643.8484	776.915	586.3231	-0.22419	0.290331				

AT1G30900	VSR6	101.0568	126.6815	114.6012	576.557	492.2132	534.3067	265.0124	305.3259	204.0354	46.05771	42.57069	55.93895	2.186996	9.09E-34	1.153556	1.72E-09	-1.16967	4.12E-06
AT1G30910	AT1G30910	218.7583	281.9109	318.0506	319.6221	348.4578	316.9954	310.3669	289.1425	370.9735	322.404	235.4691	386.3931	0.26182	0.249362	0.240954	0.321436	0.206463	0.594499
AT1G30920	AT1G30920	1.188904	0	0	0	0	0	1.778607	0	2.928738	0	0	0	-0.29867	NA	0.510677	NA	-0.23725	NA
AT1G30921	AT1G30921	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G30925	AT1G30925	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G30930	AT1G30930	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G30935	AT1G30935	4.755616	1.784246	5.150617	9.897974	12.58688	9.837663	7.114428	2.15778	17.52743	13.4335	9.312338	14.50269	0.756111	0.219619	0.746035	0.253556	1.110799	NA
AT1G30940	AT1G30940	1.188904	0	1.287654	1.649662	1.324935	0	0	0	0	0.959536	1.330334	1.035907	0.137707	NA	-0.15834	NA	0.106425	NA
AT1G30945	AT1G30945	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G30950	UFO	1.188904	0	0	0.412416	1.324935	0	0.889303	1.07889	0	0	0	0.1035907	0.09055	NA	0.110019	NA	-0.04724	NA
AT1G30960	ERG	68.95643	35.68492	48.93086	56.08852	47.69764	57.81677	48.02239	51.78672	53.69353	40.3005	45.23135	52.83123	0.039847	0.913943	-0.03059	0.939195	-0.17216	0.773081
AT1G30970	SUF4	435.1388	435.356	494.4593	479.2269	443.8531	529.3225	556.704	518.9461	307.5175	421.2361	449.6529	419.5421	0.085217	0.740932	0.018159	0.950589	-0.08011	0.865673
AT1G30972	AT1G30972	0	0	0	0.412416	0	0	0.889303	0	0	0	0	0	0.066991	NA	0.136991	NA	0	NA
AT1G30974	AT1G30974	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G30975	AT1G30975	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G30980	AT1G30980	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G30990	AT1G30990	0	0	0	0.412416	0.662467	0	0	0	0	0	0	0	0.196313	NA	0	NA	0	NA
AT1G31000	AT1G31000	0	0	0	0.662467	0	0.889303	0	0	0	0	0	0	0.097058	NA	0.130384	NA	0	NA
AT1G31010	OSB4	41.61164	42.8219	38.62963	78.35896	74.8588	61.80413	80.03731	45.31338	60.52725	43.1791	37.24935	48.68761	0.778717	0.005189	0.57272	0.062518	0.072701	0.92132
AT1G31020	ATO2	67.76752	90.99655	103.0123	110.115	145.0803	100.6809	103.1592	90.62675	151.3181	72.92471	70.5077	62.15439	0.432496	0.114013	0.387277	0.189207	-0.32664	0.497239
AT1G31030	AT1G31030	0	0	1.784246	0	0	0	0.889303	0	0	0.959536	0	0	-0.29276	NA	-0.0886	NA	-0.07394	NA
AT1G31040	AT1G31040	32.10041	16.05821	24.46543	16.49662	17.22415	13.95577	22.23259	14.02557	19.52492	47.97678	29.26735	38.32854	-0.57053	0.148395	-0.36451	0.421786	0.602251	0.293506
AT1G31050	BHLH11	2.377808	1.784246	2.575309	1.237247	0	2.990522	0	1.07889	0.976246	1.919071	1.330334	1.035907	-0.34685	0.646329	-0.6503	0.366449	-0.28332	NA
AT1G31070	SLCNC1PUT	222.325	121.3287	197.0111	120.0129	95.39529	116.6304	104.9378	138.0979	85.90965	166.9592	170.2827	179.2118	-0.68932	0.003687	-0.70549	0.004129	-0.07617	0.892182
AT1G31072	AT1G31072	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G31080	AT1G31080	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G31090	AT1G31090	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT1G31093	AT1G31093	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G31100	AT1G31100	0	1.784246	0	0	0	0.889303	0	0	0	0	0	0	-0.26522	NA	-0.08117	NA	-0.24296	NA
AT1G31110	AT1G31110	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G31120	POT10	152.1797	135.6027	115.8889	90.31901	78.17114	94.69987	114.7201	141.3346	76.14719	141.0517	113.0784	118.0933	-0.5978	0.001262	-0.27432	0.326636	-0.1093	0.838966
AT1G31130	AT1G31130	424.4387	394.3184	360.5432	697.3947	751.9004	751.6179	824.3843	755.223	999.6759	321.4444	385.7969	367.7468	0.885106	4.55E-10	1.112317	2.51E-15	-0.13515	0.652681
AT1G31140	GOA	1.188904	0	0	0.824831	0	0	0	0	0.972646	0	0	0	-0.04043	NA	-0.03795	NA	-0.20015	NA
AT1G31150	AT1G31150	152.1797	144.5239	149.3679	95.268	109.3071	111.6462	144.0672	120.8357	85.90965	143.9303	139.6851	147.0987	-0.49295	0.018248	-0.33569	0.148728	-0.04955	0.923778
AT1G31160	HINT 2	235.403	240.8732	294.8728	229.3031	254.3874	208.3397	285.4664	222.2513	298.7313	284.0225	203.5411	312.8438	-0.15121	0.521373	0.063115	0.819722	0.056193	0.908715
AT1G31163	AT1G31163	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT1G31166	AT1G31166	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT1G31170	SRX	265.1256	315.8115	338.6531	420.2515	407.4174	356.869	389.5149	380.8481	588.6763	448.1031	619.9356	326.3106	0.353242	0.175961	0.542533	0.033857	0.575093	0.092778
AT1G31173	MIR167D	326.9486	342.5752	355.3926	231.3651	246.4378	235.2544	398.408	224.4091	190.368	370.3808	360.5205	394.6804	-0.50504	0.033268	-0.31863	0.227983	0.131373	0.788496
AT1G31175	AT1G31175	155.7464	173.0719	124.9025	130.3233	130.5061	136.5672	178.75	118.6779	93.71962	164.0806	190.2378	139.8474	-0.1801	0.524735	-0.19612	0.512225	0.120522	0.820897
AT1G31180	IMDH1	773.9765	738.6779	853.7148	632.6455	551.1728	653.9276	684.7637	644.0973	645.2986	996.9575	819.4857	919.885	-0.3635	0.005621	-0.25977	0.067787	0.207667	0.325972
AT1G31190	IMPL1	294.8482	317.5958	325.7765	198.7843	208.6772	190.3966	355.7214	319.3514	441.2632	354.0686	344.5565	412.2908	-0.63575	7.23E-05	0.248907	0.174165	0.242389	0.371475
AT1G31200	PP2A9	30.9115	19.62671	16.73951	32.99325	47.03518	31.8989	46.24378	28.05114	45.88356	24.94793	21.28534	27.96948	0.652612	0.075651	0.751163	0.047948	0.111925	0.898828
AT1G31210	AT1G31210	0	0	0	0	0	0	1.778607	0	0	0	1.330334	0	0	NA	0.264566	NA	0.174671	NA
AT1G31220	PUR3	91.5456	73.15409	86.27284	110.9398	133.1559	102.6746	82.70522	79.83786	97.6246	74.84378	79.82004	84.94434	0.446779	0.040355	0.038899	0.900812	-0.07751	0.88231
AT1G31230	AHSDH1	829.855	788.6367	735.2506	433.4488	420.6667	486.4583	454.4341	515.7094	398.3084	80.404	888.6631	746.8886	-0.80446	3.84E-09	-0.779281	0.73E-08	0.10607	0.712267
AT1G31240	AT1G31240	7.133244	7.136984	3.862963	6.598649	7.28714	5.981045	5.335821	8.63112	8.786214	6.716749	13.30334	2.071813	0.104043	0.887181	0.24109	0.744231	0.174508	NA
AT1G31245	AT1G31245	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G31250	AT1G31250	0	0	0	1.324935	0.996841	1.778607	0	0	0.959536	0	0	0	0.344503	NA	0.278703	NA	0.148919	NA
AT1G31258	AT1G31258	17.83356	19.62671	20.60247	23.09527	18.54908	13.95577	24.01119	10.7889	33.19236	22.06932	15.96401	22.78994	-0.02528	0.964415	0.212731	0.691888	0.071337	0.949258
AT1G31260	ZIP10	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G31270	AT1G31270	0	0	0	0.662467	0	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT1G31274	AT1G31274	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT1G31280	AGO2	166.4466	198.0513	130.0531	129.9109	143.7554	172.4535	156.5174	154.2813	131.7932	112.2657	115.7391	118.0933	-0.1462	0.532923	-0.14486	0.566003	-0.49018	0.094851
AT1G31290	AGO3	10.70014	12.48972	7.725926	24.33252	20.53649	25.91786	44.46517	40.99782	20.50117	25.90746	10.64267	17.61041	1.006455	0.021673	1.537717	0.000298	0.692691	0.338859
AT1G31300	AT1G31300	287.7148	246.226	302.5988	234.252	252.4	253.1976	297.9167	228.7247	273.3489	352.1496	384.4665	304.5565	-0.18312	0.317638	-0.06641	0.766828	0.301839	0.236744
AT1G31310	AT1G31310	58.25629	60.66437	46.35556	39.17948	36.4357	27.91154	40.01866	39.91893	31.23987	49.89585	65.18636	46.61579	-0.60733	0.032585	-0.53401	0.0857	-0.03388	0.96434
AT1G31319	AT1G31319	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT1G31320	LBD4	19.02246	17.84246	16.73951	39.17948	29.14856	27.91154	26.6791	17.26224	24.25366	22.06932	23.94601	21.75404	0.792415	0.030302	0.278316	0.55511	0.292016	0.697022
AT1G31330	PSAF	381.3172	383.3453	367.0587	15310.1	17970.09	13343.71	17318.3	14940.47</										

AT1G31790	PCMP-A1	36.85602	32.11643	28.3284	49.07745	63.59686	61.80413	68.47637	88.46897	76.14719	30.70514	46.56169	39.36445	0.77297	0.00674	1.183796	2.02E-05	0.218503	0.720756
AT1G31800	CYP97A3	840.5551	934.9449	930.9741	630.171	589.5959	603.0887	1051.157	1178.148	1051.417	1015.189	1066.928	1092.881	-0.56264	9.8E-08	0.276581	0.015647	0.230008	0.162766
AT1G31810	FH14	278.2035	183.7773	190.5728	171.5649	195.4278	135.5703	194.7575	190.9635	152.2944	177.5141	220.8354	239.2944	-0.36544	0.119321	-0.27638	0.283442	-0.04108	0.943411
AT1G31812	ACBP6	1152.048	1222.209	1357.188	1505.317	1486.577	1050.67	991.5734	725.014	1835.342	1445.061	1535.205	1651.235	0.110716	0.745455	-0.06751	0.857518	0.296711	0.540551
AT1G31814	FLD2	67.76752	64.23286	70.82099	51.96436	75.52127	71.77254	88.04104	69.04896	49.78855	75.80331	62.5257	73.54936	-0.0434	0.904135	0.027833	0.94306	0.0624	0.927039
AT1G31817	NRD3	189.0357	149.8767	202.1617	234.6645	204.7024	196.3764	172.5249	159.6757	227.4653	184.2308	170.2827	217.5404	0.22375	0.307433	0.039495	0.88951	0.072363	0.878139
AT1G31820	AT1G31820	134.3461	99.91778	109.4506	107.228	110.632	133.5767	144.9565	130.5457	164.9856	113.2252	119.7301	133.7756	0.00655	0.981235	0.338551	0.132657	0.09474	0.840064
AT1G31830	AT1G31830	170.0133	155.2294	159.6691	181.8753	180.8536	199.3682	200.0933	217.9358	143.5082	162.1615	175.6041	137.6319	0.202594	0.359395	0.20229	0.390509	-0.04661	0.926293
AT1G31835	AT1G31835	17.83356	17.84246	16.73951	17.32145	16.56168	16.94629	23.12189	15.10446	37.09735	19.19071	22.61568	22.78994	-0.04427	0.935767	0.474179	0.300394	0.261601	0.75309
AT1G31840	AT1G31840	14.26685	12.48972	17.725926	10.7228	6.24673	3.987363	22.23259	11.86779	10.73871	10.55489	11.97301	13.46678	-0.49828	0.364005	0.334731	0.577556	0.051986	NA
AT1G31850	AT1G31850	488.6395	380.0444	369.5568	366.225	337.8583	433.6257	508.6816	523.2616	446.1444	379.0166	364.5115	397.7881	-0.12899	0.469826	0.246999	0.174351	-0.11868	0.719342
AT1G31860	HISN2	179.5245	176.6404	213.7506	193.0105	178.2037	200.365	158.296	145.6501	184.5105	206.3002	180.9254	206.1454	-0.00132	0.995935	-0.22049	0.26916	0.057575	0.886382
AT1G31870	AT1G31870	175.9578	169.5034	189.8528	216.1058	210.6646	181.425	198.3147	211.4624	214.7741	134.335	138.3547	166.781	0.188095	0.306717	0.21615	0.263893	-0.27904	0.321328
AT1G31875	AT1G31875	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G31880	BRX	26.15589	12.48972	18.02716	15.25938	9.274542	14.95261	10.67164	9.710009	20.50117	11.51443	10.64267	14.50269	-0.47417	0.325491	-0.42941	0.41833	-0.55643	NA
AT1G31885	NIP3-1	1.188904	1.784246	2.575309	4.948987	3.974804	3.987363	0	3.23667	0	1.919071	0	1.035907	0.749843	0.277954	-0.34211	0.670377	-0.31277	NA
AT1G31900	AT1G31900	7.133424	0	3.862963	1.237247	4.637271	3.987363	5.335821	6.47334	0.976246	2.878607	5.321336	1.035907	-0.18155	0.822627	0.077625	0.93059	-0.21306	NA
AT1G31910	AT1G31910	1608.587	1736.071	1756.361	1471.911	1350.108	1603.917	1550.945	1730.539	1243.737	1463.292	1411.484	1465.808	-0.20262	0.183636	-0.17052	0.297617	-0.22927	0.312395
AT1G31920	PCMP-H1	296.0371	289.0479	280.7086	129.4985	110.632	138.5609	147.6244	142.4135	124.9595	317.6063	351.2082	310.772	-1.17913	6.72E-16	-1.04233	6.44E-12	0.173524	0.527151
AT1G31930	XLG3	508.8509	531.7053	472.5691	303.9503	251.7376	320.9827	345.9391	393.7948	285.0638	411.6408	532.1336	423.6858	-0.77261	3.37E-06	-0.55083	0.001689	-0.14506	0.66497
AT1G31935	AT1G31935	7.133424	1.784246	9.01358	10.31039	9.937009	8.971567	8.007331	3.23667	18.54867	14.39303	17.29434	12.43968	0.463998	0.444335	0.486829	0.449174	0.933202	NA
AT1G31940	AT1G31940	173.58	215.8898	229.2025	316.7352	319.9717	298.5514	324.9528	238.4347	297.755	199.5834	271.3881	213.3987	0.587516	0.001336	0.471617	0.015527	0.193106	0.716027
AT1G31950	TPS29	11.88904	26.76369	24.46543	18.5587	20.53649	15.94945	13.33955	20.49891	18.54867	35.50282	23.94601	22.78994	-0.13887	0.779704	-0.21815	0.672774	0.385745	0.593644
AT1G31960	AT1G31960	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	NA	0	0	0	0
AT1G31970	RHS	928.534	835.0271	867.879	736.5742	830.734	763.58	760.3545	689.4107	880.5739	701.4205	730.3533	827.6893	-0.17478	0.241027	-0.17407	0.268106	-0.21844	0.32315
AT1G31980	AT1G31983	1.188904	0	0	0.412416	1.987402	0.996841	1.778607	1.07889	2.928738	1.919071	1.330334	3.10772	0.247712	0.748097	0.626259	0.382853	0.693431	NA
AT1G31990	AT1G31990	1.188904	0	3.862963	1.237247	0.662467	1.993682	1.778607	1.07889	0	0.959536	3.991002	4.143622	-0.37021	0.272862	-0.37651	0.671236	0.380334	NA
AT1G31993	AT1G31993	1.188904	1.784246	0	0	0	0	0	0	0	0	0	0	-0.49674	NA	-0.47297	NA	-0.46632	NA
AT1G32000	AT1G32000	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G32010	AT1G32010	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT1G32020	AT1G32020	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G32030	AT1G32030	0	0	0	0	0	0	0	2.15778	0	0	1.330334	0	0	NA	0.298225	NA	0.175071	NA
AT1G32040	AT1G32040	0	0	0	0	0	0.889303	0	0	0	0	0	2.071813	0	NA	0.133076	NA	0.29577	NA
AT1G32045	AT1G32045	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT1G32049	AT1G32049	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G32050	SCAMP4	1197.226	1132.996	1191.08	1338.701	1403.106	1354.707	1317.948	1163.043	1501.466	1296.333	1089.544	1214.082	0.215115	0.111956	0.17533	0.230485	0.032095	0.920201
AT1G32060	PRK	13136.2	13233.75	12168.33	6015.494	6512.053	5841.487	8919.714	9251.481	11041.34	13103.42	16697.02	12131.5	-1.05387	1.34E-14	-0.39407	0.009239	0.119938	0.767985
AT1G32070	NSI	803.6991	929.5922	763.579	697.807	767.996	629.0065	785.255	658.1229	938.1724	881.8132	796.87	927.1363	-0.24552	0.158255	-0.06419	0.770474	0.062708	0.865217
AT1G32080	PLGG1	4003.04	3823.639	3750.937	1197.242	1309.698	1323.805	2961.381	2980.973	2597.791	4167.263	3659.749	3912.613	-1.58526	4.85E-59	-0.43593	3.11E-05	0.020243	0.942165
AT1G32090	AT1G32090	230.6474	198.0513	177.6963	173.2145	160.9795	192.3903	291.6915	294.537	199.1542	193.8262	214.1838	174.0323	-0.205	0.363914	-0.361571	0.095728	-0.06286	0.895333
AT1G32100	PRR1	58.25629	78.50683	90.1358	72.17273	39.74804	55.82308	43.57587	31.28781	11.3061	111.3061	135.6941	103.5907	-0.3937	0.196599	-0.300333	0.000728	0.060716	0.140257
AT1G32110	AT1G32110	0	0	1.287654	0	0	0	0	0	0.976246	0	0	0	-0.22097	NA	-0.03908	NA	-0.20203	NA
AT1G32120	AT1G32120	177.1467	101.702	117.1765	127.8488	147.0677	147.5324	124.5025	146.729	158.1519	148.728	152.9884	147.0987	0.068073	0.805884	0.094588	0.744083	0.157498	0.71872
AT1G32130	IWS1	839.3662	658.3868	685.0321	760.8189	812.1849	799.4663	747.9042	787.5897	858.1202	580.5191	465.6169	661.9443	0.114676	0.538118	0.128072	0.509737	-0.3476	0.136881
AT1G32140	AT1G32140	0	0	0	0	0	0	0	1.07889	0	0.959536	0	0	0	NA	0.156853	NA	0.149599	NA
AT1G32150	bZIP68	101.0568	101.702	106.8753	192.5981	187.4782	156.504	159.1853	171.5435	180.6055	111.3061	133.0334	130.5242	0.784368	0.00001	0.704243	0.00015	0.261559	0.433665
AT1G32160	AT1G32160	101.0568	1223.993	1185.93	727.5011	790.3235	772.5516	1115.187	988.2632	963.5488	1227.246	1116.15	1213.047	-0.57194	1.25E-06	-0.15296	0.283634	0.058888	0.83221
AT1G32170	XTH30	55.87849	44.60615	56.65679	98.15491	86.78321	120.6177	99.60199	133.7824	180.6055	57.77446	86.47171	71.47755	0.885008	0.001569	1.309423	1.49E-06	0.371584	0.468917
AT1G32172	AT1G32172	7.133424	3.568492	3.862963	11.96005	10.59948	12.95893	9.557214	4.31556	1.952492	0.959536	1.330334	1.035907	-0.046733	0.068119	-0.04266	0.574022	-1.12494	NA
AT1G32180	CSLD6	0	0	0	0.412416	0	0	0	1.07889	0	0	0	0	0.064603	0	0.150774	NA	0	NA
AT1G32190	AT1G32190	32.10041	44.60615	32.19136	39.17948	43.06037	39.87363	32.01493	29.13003	27.33489	27.82653	19.95501	31.0772	-0.181378	0.611469	-0.25529	0.507428	-0.39363	0.486936
AT1G32200	ATS1	913.0782	870.7121	791.9074	441.6971	441.8657	505.3983	642.0771	576.1272	581.8426	996.9575	985.7775	934.3877	-0.88767	2.2E-15	-0.51106	1.41E-05	0.178047	0.366371
AT1G32210	DAD1	235.403	248.0102	252.3803	461.493	561.7722	425.651	321.0386	255.6969	520.3391	216.8551	183.5861	358.4237	0.929141	0.000603	0.546933	0.066654	0.044512	0.952356
AT1G32220	AT1G32220	808.4547	804.695	916.8099	410.3535	423													

AT1G32640	MYC2	441.0834	406.8081	379.858	562.9473	578.3339	895.163	1180.995	1202.962	1072.894	519.1088	525.4819	388.4649	0.704965	0.000344	1.453879	6.12E-15	0.214969	0.563333
AT1G32650	AT1G32650	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G32660	AT1G32660	1.188904	0	0	0	0	0	0	0	0	0	1.330334	0	-0.22006	NA	-0.20393	NA	0.001199	NA
AT1G32670	AT1G32670	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G32680	AT1G32680	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G32690	AT1G32690	4.755616	1.784246	7.725926	28.04426	26.49869	18.93997	25.7898	15.10446	22.45366	8.635821	5.321336	8.287252	1.869476	4.01E-05	1.650242	0.000538	0.382623	NA
AT1G32700	AT1G32700	562.3516	640.5443	690.1827	1466.55	1436.892	1296.89	1290.379	982.8687	973.3173	521.0278	733.014	581.1436	1.129171	2.47E-12	0.764189	5.16E-06	-0.04635	0.914481
AT1G32710	AT1G32710	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0	NA	0	NA
AT1G32713	MIR829A	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G32720	AT1G32720	0	0	0	0	0.662467	0	0	0	0.976246	0	0	0	0.097788	NA	0.140077	NA	0	NA
AT1G32730	AT1G32730	87.97889	57.09587	74.68395	79.18379	84.79581	68.78201	81.81592	65.81229	80.05217	79.64146	57.20436	85.98024	0.068668	0.827713	0.033687	0.92418	0.012098	0.987026
AT1G32740	AT1G32740	19.02246	26.76369	20.60247	18.5587	19.87402	11.96209	9.782338	14.02557	8.786214	25.90746	30.59768	20.71813	-0.30427	0.494874	-0.8844	0.04311	0.212777	0.794763
AT1G32750	TAF1	661.0306	497.8046	463.5556	333.2318	350.4452	362.85	385.0684	472.5538	470.5506	450.9817	461.6259	417.4703	-0.62689	8.64E-05	-0.28808	0.111634	-0.28551	0.275181
AT1G32760	AT1G32760	38.04493	24.97944	23.17778	13.60971	6.624673	10.96525	14.22886	10.7889	12.6912	12.47396	19.95501	24.86176	-1.27813	0.00163	-1.05166	0.015697	-0.54299	0.441256
AT1G32763	AT1G32763	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G32770	NAC012	1.188904	0	0	0	0	0	0.889303	1.07889	0	0	0	0	-0.26887	NA	0.130815	NA	-0.23129	NA
AT1G32780	AT1G32780	38.04493	39.25341	45.0679	14.02213	11.26194	12.95893	13.39355	12.96668	8.786214	48.93632	34.58868	58.01077	-1.53028	3.48E-06	-1.6239	4.85E-06	0.216238	0.742272
AT1G32790	CID11	741.8761	870.7121	804.784	1049.185	959.9151	946.9987	893.75	994.7365	1025.058	652.4842	553.4189	770.7145	0.28972	0.055904	0.267424	0.094429	-0.28155	0.216277
AT1G32810	AT1G32810	379.2604	360.4177	311.6124	261.8839	221.2641	280.1123	293.4701	365.7437	247.9665	307.0514	403.0912	268.2998	-0.45116	0.029807	-0.20809	0.391128	-0.1047	0.812937
AT1G32820	AT1G32820	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT1G32830	AT1G32830	0	0	0	0.662467	0.996841	0	0	0	0	0	0	0	0.262313	NA	0	NA	0	NA
AT1G32840	AT1G32840	1.188904	0	0	0	0	0	0.889303	0	0.976246	0	0	0	-0.26727	NA	0.121982	NA	-0.23048	NA
AT1G32850	UBP11	3.566712	0	0	0	1.987402	0	1.778607	0	0.976246	0.959536	2.660668	1.035907	-0.26707	0.706541	-0.12426	0.874934	0.083225	NA
AT1G32860	AT1G32860	51.12287	35.68492	47.64321	28.86909	31.79843	22.92734	44.46517	34.52448	17.57243	59.49121	47.89202	35.22082	-0.63125	0.07736	-0.44624	0.262566	0.069555	0.936155
AT1G32870	NAC13	101.0568	67.80135	104.3	143.1082	139.1181	150.523	174.3035	155.3602	144.4844	82.52006	101.1054	69.40574	0.621884	0.00288	0.753697	0.000339	-0.13846	0.768141
AT1G32880	AT1G32880	0	1.784246	0	0.412416	3.974804	4.984204	0.889303	2.15778	2.928738	0	0	1.035907	0.88682	0.171628	0.561142	0.433139	-0.11157	NA
AT1G32890	AT1G32890	0	0	0	0	0.662467	0.996841	1.778607	1.07889	1.952492	0	0	0	0.257759	NA	0.815152	NA	0	NA
AT1G32900	GBS51	356.1957	444.2773	400.4605	198.3719	173.5664	165.4756	92.48756	91.70564	49.78855	410.6812	435.0192	374.9982	-1.32185	1.79E-12	-2.48039	2.13E-36	-0.17548	0.642572
AT1G32910	AT1G32910	0	0	0	1.649662	1.993682	4.646517	2.15778	0.976246	0	0	0	0	0.708138	0.259883	1.104075	0.070503	0	NA
AT1G32920	AT1G32920	27.34479	17.84246	36.05432	200.0216	227.2263	231.2671	356.6107	258.9336	768.3056	47.01725	95.78405	68.36983	2.512656	1.53E-09	3.460063	2.05E-17	1.089495	0.081037
AT1G32928	AT1G32928	8.322328	3.568492	12.87654	42.06639	58.29712	68.78201	69.36567	66.89118	205.0117	12.47396	7.982004	19.68222	2.180513	8.89E-07	3.094443	7.6E-13	0.449945	0.625371
AT1G32930	B3GALT6	85.60108	53.52738	68.24568	93.61834	105.9948	85.72831	102.2699	88.46887	69.31347	77.72239	81.15037	92.19568	0.426518	0.089463	0.294506	3.000118	0.24368	0.595754
AT1G32940	SBT3.5	9.05657	10.62333	92.71111	221.8796	150.3801	176.4408	221.4366	224.4091	124.9551	72.92471	73.16837	77.69299	0.875907	0.000442	0.924663	0.00026	-0.36508	0.426098
AT1G32950	AT1G32950	5.94452	1.784246	1.287654	16.49662	14.57428	18.93997	16.18335	13.66744	9.479768	6.65167	20.71813	0.718139	1.777064	0.0000436	1.683545	0.001349	0.231975	NA
AT1G32960	SBT3.3	10.70014	10.70548	10.30123	70.11065	70.22153	83.73463	93.37687	76.60119	57.59851	2.878607	9.312338	6.215439	2.544079	1.02E-13	2.56997	1E-13	-0.64938	0.390087
AT1G32970	AT1G32970	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	NA	0.16673	NA	0	NA
AT1G32975	AT1G32975	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G32980	AT1G32980	1.188904	0	0	0	0	0	0	0	0	0	0	1.035907	-0.21339	NA	-0.19896	NA	-0.02174	NA
AT1G32990	RPL11	1967.636	2064.373	2119.479	1586.975	1701.216	1436.448	1534.938	1495.341	2057.927	2835.509	4239.774	2254.133	-0.36879	0.104916	-0.26535	0.285364	0.581996	0.041747
AT1G32992	MIR856A	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G33000	AT1G33000	0	0	0	0.412416	0	0	0.889303	0	0	0	0	0	0.066991	NA	0.136991	NA	0	NA
AT1G33010	AT1G33010	0	0	0	0	0.662467	0.996841	0	0	0	0	0	0	0.262313	NA	0	NA	0	NA
AT1G33020	AT1G33020	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G33030	AT1G33030	4.755616	1.736984	7.725926	105.9908	135.1433	102.6746	156.5174	155.3602	150.3419	4.797678	5.321336	3.10772	3.66942	7.24E-27	4.081354	4.47E-33	-0.41522	0.644483
AT1G33040	NAC45	787.0544	644.1128	688.8951	723.3769	686.3161	585.1455	533.5821	484.4216	983.0797	833.8365	929.9034	805.9353	-0.08446	0.7798	-0.08115	0.801605	0.26595	0.52809
AT1G33050	AT1G33050	1067.636	1427.397	1137.152	984.8484	937.3912	1153.345	1405.1	1383.137	895.2176	897.1658	933.8944	966.5008	-0.22035	0.301621	0.03477	0.898075	-0.35265	0.236117
AT1G33055	AT1G33055	13.07794	1.736984	9.01358	2.886909	6.624673	1.993682	11.56095	10.7889	7.809968	10.55489	13.30334	23.82585	-1.03809	0.054674	0.017711	0.980616	0.572161	NA
AT1G33060	NAC014	205.6804	181.9931	164.8198	197.5471	234.5134	222.2955	246.3371	203.9102	183.5342	151.6066	176.9344	195.7863	0.232981	0.253414	0.193518	0.388147	-0.0777	0.860356
AT1G33070	AT1G33070	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G33080	AT1G33080	61.82301	51.74313	75.97161	30.93117	42.39791	39.37363	56.02612	58.26006	44.90732	57.57214	49.22236	84.94434	-0.73093	0.011115	-0.24903	0.47577	0.014402	0.986628
AT1G33090	AT1G33090	0	0	0	0	1.993682	0.889303	1.07889	0	2.660668	0	0	0	0.244328	NA	0.274641	NA	0.33699	NA
AT1G33100	AT1G33100	4.755616	1.736984	3.862963	5.361402	2.649869	3.987363	2.66791	3.23667	3.904984	0	1.330334	3.10772	-0.19011	0.805908	-0.41556	0.586314	-0.99129	NA
AT1G33102	AT1G33102	9.511232	1.736984	5.150617	14.43455	15.89921	12.95893	6.225124	10.7889	16.59618	17.27164	5.321336	12.43088	0.786005	0.133529	0.489494	0.454917	0.546854	NA
AT1G33110	AT1G33110	341.2154	369.3389	359.2556	508.9208	503.4751	515.3667	492.6741	461.7649	336.8049	313.7682	317.9498	279.6948	0.507273	0.00142	0.268865	0.136459	-0.22638	0.424257
AT1G33120	RPL9B	2501.454	2633.547	2950.016	3917.123	3707.829	3172.944	2667.91	2637.886	4095.352	2941.936	3140.919	3201.987	0.408987	0.026585	0.212928	0.310591	0.195257	0.55204
AT1G33130	AT1G33130	0	1.784246	0	0	0	0	0	0.889303	0	0.976246	0	0	-0.31542	NA	0.08696	NA	-0.27406	NA
AT1G33135	AT1G33135	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G33140	RPL9B	3473.977	3663.057	4103.754	5515.233	5419.645	4408.03	3487.848	3536.601	5294.182</									

AT1G33610	AT1G33610	57.06739	66.0171	52.79383	108.0529	126.5312	125.6019	98.71269	99.25787	99.57709	26.867	31.92802	36.25673	1.00991	2.24E-06	0.746021	0.001209	-0.83067	0.01323
AT1G33611	AT1G33611	8.322328	3.568492	6.438272	2.474493	4.637271	0.996841	1.778607	4.31556	3.904984	6.716749	2.660668	7.251346	-0.78768	0.219558	-0.62039	0.379587	-0.0934	NA
AT1G33612	AT1G33612	9.511232	5.352738	6.438272	2.062078	4.637271	0.996841	1.778607	4.31556	3.904984	6.716749	2.660668	7.251346	-0.78768	0.219558	-0.62039	0.379587	-0.0934	NA
AT1G33613	AT1G33613	9.511232	5.352738	6.438272	2.062078	4.637271	0.996841	1.778607	4.31556	3.904984	6.716749	2.660668	7.251346	-0.78768	0.219558	-0.62039	0.379587	-0.0934	NA
AT1G33614	AT1G33614	1.188904	1.784246	5.150617	0.824831	0	0	0.889303	1.07889	1.952492	1.919071	1.330334	1.035907	-1.07831	0.095988	-0.48641	0.519741	-0.42878	NA
AT1G33660	AT1G33660	0	3.568492	3.862963	0	0	0.996841	1.778607	0	0.976246	1.919071	5.321336	5.179533	-1.01151	0.122762	-0.52666	0.482895	0.478069	NA
AT1G33670	AT1G33670	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G33680	AT1G33680	379.2604	371.1232	334.7901	278.7929	194.1029	325.9669	259.6766	351.7181	174.748	349.271	292.6735	295.2334	-0.42669	0.101073	-0.44747	0.098	-0.20152	0.677118
AT1G33700	AT1G33700	95.11232	53.52738	55.36914	27.21943	19.21155	25.91786	23.21289	35.60337	23.4299	45.09817	45.23135	48.68761	-1.40848	2.93E-06	-1.24792	6.94E-05	-0.53499	0.273174
AT1G33709	AT1G33709	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G33710	AT1G33710	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G33720	CYP76C6	97.49012	169.5034	113.3136	472.2158	482.9386	546.2687	410.8582	446.6604	473.4793	78.68192	59.86503	72.51346	1.957305	2.7E-28	1.787834	2.31E-23	-0.78182	0.003227
AT1G33730	CYP76C5	2.377808	5.352738	3.862963	26.80701	20.53649	24.92102	95.15547	100.3368	39.04984	2.878607	2.660668	2.071813	2.023304	1.85E-05	3.578865	1.25E-15	-0.34465	0.766854
AT1G33740	AT1G33740	0	0	0	0	0	0	0.996841	0	0.976246	0	0	0	0.133781	NA	0.142196	NA	0	NA
AT1G33743	AT1G33743	0	0	0	0	0	0	0.889303	1.07889	0	0	0	0	0	NA	0.3225	NA	0	NA
AT1G33750	TPS22	0	0	0	0	0	0.996841	0	0	0	0	0	0	0.15625	NA	0	NA	0	NA
AT1G33760	ERF022	1.188904	0	3.862963	3.71174	1.324935	17.94313	8.003731	16.18335	12.6912	4.797678	2.660668	1.035907	1.019594	0.11806	1.552461	0.014689	0.239258	NA
AT1G33770	AT1G33770	97.49012	105.2705	96.57408	16.08421	17.88662	21.9305	20.45398	28.05114	41.97858	60.60099	82.48071	72.51346	-2.32297	1.47E-19	-1.6446	2.53E-10	-0.32933	0.45067
AT1G33780	AT1G33780	282.9591	349.7122	328.9259	301.723	308.0473	338.9259	285.4664	265.4069	322.1612	260.9937	252.7635	338.7414	-0.01522	0.947998	-0.13042	0.531833	-0.16233	0.60815
AT1G33785	AT1G33785	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT1G33790	JAL4	29.7226	32.11643	25.75309	63.512	52.99738	71.77254	40.90796	69.04896	40.02609	24.94793	23.94601	21.75404	1.037645	0.000707	0.719085	0.033935	-0.27695	0.681983
AT1G33800	GXM3	35.66712	16.05821	29.61605	20.20836	27.16116	18.93997	11.56095	17.26224	20.50117	34.54328	26.60668	16.5745	-0.28884	0.522096	-0.67323	0.12911	-0.06387	0.93307
AT1G33810	AT1G33810	625.3635	651.2498	657.9914	675.9491	692.2783	508.3888	594.0547	569.6539	936.2199	993.1194	1350.289	770.7145	-0.04055	0.899986	-0.114024	0.716241	-0.68038	0.034852
AT1G33811	AT1G33811	237.7808	303.3218	296.1605	158.78	148.3927	169.4629	128.949	146.729	116.1733	266.7509	248.7725	213.3967	-0.79503	1.5E-06	-1.06909	2.75E-10	-0.19024	0.545129
AT1G33813	AT1G33813	0	0	0	0.824831	1.987402	3.987363	7.114428	1.07889	3.904984	0	0	0	0.904212	0.157525	1.43951	0.020356	0	NA
AT1G33817	AT1G33817	0	0	0	2.062078	3.312336	2.990522	6.225124	4.31556	2.928738	0.959536	0	0	1.147086	0.073161	1.594536	0.011351	0.106801	NA
AT1G33820	AT1G33820	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G33830	AT1G33830	0	0	0	0	0	0	0	0	0.959536	0	0	0	0	NA	0	NA	0.171512	NA
AT1G33835	AT1G33835	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G33840	AT1G33840	1.188904	0	1.287654	16.08421	22.52389	20.93366	0.889303	0	2.928738	0	0	0	2.988125	1.4E-07	0.087195	0.92197	-0.5394	NA
AT1G33850	AT1G33850	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G33855	AT1G33855	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G33860	AT1G33860	0	1.784246	0	0.412416	0	0	0	0	0	0	0	0	-0.15186	NA	-0.24242	NA	-0.23806	NA
AT1G33870	AT1G33870	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT1G33880	AT1G33880	0	0	0	0	0	0	0	0	0.976246	0	0	0	0	NA	0.16673	NA	0	NA
AT1G33890	AT1G33890	0	0	0	0.412416	0.662467	0.996841	0	0	0	0	1.330334	1.035907	0.406123	NA	0	NA	0.419416	NA
AT1G33900	AT1G33900	1.188904	0	1.287654	0	0	0	0	0	0.976246	0	0	0	-0.47697	NA	-0.2434	NA	-0.43599	NA
AT1G33910	AT1G33910	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G33920	PP2A4	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT1G33925	AT1G33925	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0.172362	NA
AT1G33930	AT1G33930	21.40027	12.48972	29.61605	10.31039	11.26194	11.96209	8.003731	10.7889	9.76246	23.98839	34.58868	23.82585	-0.85764	0.038786	-1.02944	0.020723	0.306867	0.695407
AT1G33940	AT1G33940	10.70014	7.136984	5.150617	6.186234	11.92441	9.968408	9.782338	12.94668	9.76246	10.55489	6.65167	14.50269	0.174203	0.785687	0.374091	0.550604	0.368005	NA
AT1G33950	AT1G33950	1.188904	3.568492	1.287654	19.79595	16.56168	10.96525	52.46891	44.23449	24.40615	0	1.330334	0	2.0885	6.25E-05	3.277693	5.36E-11	-0.63249	NA
AT1G33960	AIG1	66.57862	115.976	90.1358	1044.236	976.4768	949.9893	1766.157	1626.966	1660.594	34.54328	53.21336	65.26211	3.386108	1.4E-82	4.139371	5.2E-124	-0.77368	0.006498
AT1G33970	AT1G33970	510.0398	635.1916	576.8691	738.6363	696.9156	700.7791	801.2624	867.4275	1154.899	576.6809	706.4073	594.6103	0.308543	0.082391	0.703003	1.91E-05	0.123258	0.719598
AT1G33980	UPF3	404.2273	378.2602	366.9815	382.7217	325.9339	416.6794	810.6219	412.136	302.6363	352.1496	297.9948	332.526	-0.03337	0.878922	-0.06986	0.753796	-0.22014	0.446233
AT1G33990	MES14	525.4955	686.9347	646.4025	944.0193	954.6153	859.2768	849.0485	741.1974	817.1179	612.1837	561.4009	619.4721	0.569041	9.23E-06	0.356061	0.01031	-0.04528	0.887392
AT1G34000	QHP2	1119.948	1154.407	1193.656	738.8735	837.3586	669.877	962.2264	822.1141	1290.597	1346.228	1459.376	1440.946	-0.61311	0.000217	-0.16982	0.40326	0.286676	0.286373
AT1G34010	AT1G34010	161.6902	212.3253	178.984	142.6958	156.3423	112.643	113.8308	71.20674	130.3633	179.4332	176.9344	167.8169	-0.39623	0.069483	-0.871	4.12E-05	-0.06669	0.893759
AT1G34020	AT1G34020	252.0076	173.0719	206.0247	209.5071	237.8258	222.2955	232.1082	225.488	230.3941	225.4909	266.0668	236.1867	0.068678	0.746897	0.109668	0.612584	0.184875	0.55204
AT1G34030	RP518A	864.3332	1009.883	1031.411	1309.419	1541.561	1138.392	977.3445	837.2186	1520.991	1024.784	1021.696	1133.282	0.445146	0.040655	0.193947	0.448941	0.12686	0.77538
AT1G34040	TAR3	14.26685	7.136984	16.73951	5.361402	1.324935	0.996841	1.778607	0	3.904984	6.762825	25.27635	9.323159	-1.72404	0.003938	-1.72704	0.003938	0.086154	NA
AT1G34041	AT1G34041	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT1G34042	AT1G34042	0	0	1.287654	0	0	0	0	0	0	1.330334	0	0	-0.22987	NA	-0.21319	NA	-0.00675	NA
AT1G34044	AT1G34044	10.70014	5.352738	3.862963	17.32145	18.54908	16.94629	13.33955	4.31556	5.857476	6.716749	3.991002	4.143626	1.140174	0.026474	0.166813	0.818674	-0.31667	NA
AT1G34046	AT1G34046	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G34047	AT1G34047	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G34050	AT1G34050	0	0	0	0	0	0	0	0	0.976246	0	0	0	0	NA	0.16673	NA	0	NA
AT1G34060	TAR4	180.7134	165.9349	184.1346	89.9066	85.45828	82.73778	146.7351	107.889	119.102	258.1151	268.7275	226.8635	-1.01514	3.97E				

AT1G35340	AT1G35340	392.3383	419.2978	453.2543	439.2226	425.304	385.7774	589.6082	483.3427	534.0066	462.4962	544.1066	573.8922	-0.01275	0.95037	0.342292	0.026744	0.315773	0.146987
AT1G35350	PH01-H8	324.5708	353.2807	320.6259	517.5815	468.3644	687.8201	606.505	669.9907	600.3913	269.6295	234.1388	260.0125	0.728889	6.9E-06	0.895975	2.47E-08	-0.37344	0.149765
AT1G35360	AT1G35360	0	0	0	0	0	0	0	0	0	0.959536	0	0	0	0	0	0	0.17512	NA
AT1G35365	AT1G35365	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G35370	AT1G35370	1.188904	0	0	0	0.662467	0	1.778607	0	0	0.959536	0	1.035907	-0.14147	NA	0.090959	NA	0.12315	NA
AT1G35375	AT1G35375	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT1G35380	AT1G35380	0	0	0	0	0	0	0.889303	0	0.976246	0	0	0	0	NA	0.309898	NA	0	NA
AT1G35390	AT1G35390	0	1.784246	0	0	0.662467	0	0	0	0	0	1.330334	0	-0.13984	NA	-0.26204	NA	-0.04299	NA
AT1G35400	AT1G35400	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G35405	AT1G35405	0	0	0	0	0.662467	1.993682	0	0	0	0	1.330334	0	0.406191	NA	0	NA	0.191533	NA
AT1G35410	AT1G35410	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G35420	AT1G35420	499.3397	658.3868	552.4037	374.8858	349.1203	381.79	435.7587	508.1572	608.2013	588.1953	534.7943	566.6409	-0.61432	9.02E-05	-0.13345	0.500295	-0.01127	0.981228
AT1G35430	AT1G35430	21.40027	42.8219	21.89012	33.40566	35.77323	23.92418	26.6791	35.60337	52.71728	16.31211	30.59768	34.18492	0.148398	0.758474	0.407891	0.366825	-0.05468	0.959115
AT1G35435	AT1G35435	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G35440	CYCT1-1	0	1.784246	0	0	0	1.993682	0	0	0	0	0	0	0.052299	NA	-0.23056	NA	-0.2246	NA
AT1G35450	AT1G35450	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT1G35460	BHLH80	217.5694	206.9725	279.421	266.008	302.7475	240.2386	285.4664	237.3558	306.5412	308.9705	329.9228	315.9515	0.194652	0.317444	0.228264	0.259276	0.424865	0.085758
AT1G35461	AT1G35461	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G35465	AT1G35465	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G35467	RALFL5	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G35470	AT1G35470	191.4135	214.1095	208.6	238.3762	250.4126	226.2829	204.5398	245.9869	184.5105	220.6932	196.8894	216.5045	0.222123	0.206531	0.048255	0.833998	0.052289	0.894522
AT1G35480	AT1G35480	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G35490	AT1G35490	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT1G35500	AT1G35500	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G35501	MIR773A	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G35510	AT1G35510	275.8257	244.4417	301.3111	230.9527	201.3901	258.1818	216.1007	206.068	155.2231	270.589	296.6645	280.7307	-0.25477	0.1774	-0.50231	0.006169	0.038659	0.931292
AT1G35513	AT1G35513	1.188904	3.568492	2.575309	1.649662	3.312336	1.993682	0	3.23667	2.928738	8.635821	10.64267	3.10772	-0.06273	0.942293	-0.13926	0.874181	1.051186	NA
AT1G35515	HOS10	3.566712	1.784246	2.575309	1.649662	2.649869	2.990522	1.778607	3.23667	7.809968	2.878607	2.660668	7.251346	-0.15894	0.84388	0.38473	0.624803	0.393198	NA
AT1G35516	AT1G35516	280.5813	328.3013	339.9407	227.6534	271.6116	223.2923	206.3184	178.0168	287.0163	333.9184	340.5655	361.5314	-0.38099	0.052751	-0.48362	0.015617	0.126305	0.746119
AT1G35520	ARF15	0	0	0	0	0	0	0	0	0	1.330334	0	0	0	NA	0	NA	0.172362	NA
AT1G35530	AT1G35530	32.10041	32.11643	24.46543	20.62078	19.87402	26.9147	23.12189	25.89336	13.66744	34.54328	38.57969	41.43626	-0.3845	0.304492	-0.4556	0.257863	0.349784	0.568907
AT1G35535	AT1G35535	1.188904	0	0	0	0.662467	0	0.889303	0	0.976246	0	0	1.035907	-0.13768	NA	0.109636	NA	-0.03917	NA
AT1G35537	AT1G35537	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G35540	ARF14	0	0	0	0	0.996841	1.778607	0	0	0	0	0	0	0.124069	NA	0.253321	NA	0	NA
AT1G35545	AT1G35545	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G35550	AT1G35550	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G35560	TCP23	120.0793	101.702	95.28642	63.09958	68.8966	52.83256	37.35075	62.57562	50.76479	103.6298	53.21336	78.7289	-0.73553	0.006285	-1.02822	0.000187	-0.39627	0.381282
AT1G35570	AT1G35570	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G35580	CINV1	1282.827	1093.743	1053.301	1610.07	1583.959	1480.309	1312.612	1466.211	1466.321	875.0965	746.3174	904.3464	0.441412	0.000466	0.302621	0.025694	-0.43587	0.007212
AT1G35590	AT1G35590	1.188904	0	0	0.412416	0	0	0	1.07889	0	0	0	0	-0.15665	NA	-0.04031	NA	0.127091	NA
AT1G35600	AT1G35600	0	0	1.287654	0	0	0	0	0	0	0	0	1.035907	-0.22368	NA	-0.20864	NA	-0.02973	NA
AT1G35610	AT1G35610	0	0	0	0	0.662467	0	0	0	0	0	0	1.035907	0.098893	NA	0	NA	0.150283	NA
AT1G35612	AT1G35612	462.4836	492.4519	540.8148	376.5354	396.8179	309.0206	389.5149	310.7203	327.0424	532.5423	512.1786	627.7594	-0.45371	0.004712	-0.5307	0.001121	0.159957	0.591139
AT1G35614	AT1G35614	0	0	0	0	0	0	0	0	0	1.330334	0	0	0	NA	0	NA	0.172362	NA
AT1G35617	AT1G35617	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G35620	PDIL5-2	703.8311	817.1847	750.7025	612.8495	643.9182	645.9528	631.4055	570.7328	657.0136	739.802	653.194	720.9909	-0.25144	0.041496	-0.28218	0.026717	-0.09745	0.681704
AT1G35625	AT1G35625	2.377808	1.784246	1.287654	3.71174	3.974804	2.990522	0.889303	1.07889	0	0.959536	0	0	0.646307	0.358537	-0.53229	0.47697	-0.67718	NA
AT1G35630	RMR5	0	0	2.575309	1.649662	0.662467	0.996841	0	0	1.952492	0	0	1.035907	0.128486	NA	-0.10479	NA	-0.24509	NA
AT1G35640	AT1G35640	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G35645	AT1G35645	0	0	0	0	0.996841	1.778607	2.15778	0	0.959536	0	0	0	0.103452	NA	0.59684	NA	0.158203	NA
AT1G35647	AT1G35647	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G35650	AT1G35650	0	0	0	0	0	0	2.15778	0	0	0	0	1.035907	0	NA	0.29752	NA	0.151402	NA
AT1G35660	AT1G35660	172.3911	151.6609	119.7519	96.09283	85.45828	112.643	101.3806	147.8079	77.12343	140.0922	119.7301	114.9856	-0.5761	0.022456	-0.43023	0.118603	-0.23185	0.622127
AT1G35663	AT1G35663	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT1G35670	CPK11	268.6923	205.1883	162.2444	177.7511	174.2289	229.2734	183.1965	155.3602	186.463	210.1383	172.9434	213.3967	-0.13732	0.587157	-0.27046	0.273539	-0.08972	0.855106
AT1G35680	RPL21	2829.591	3042.139	3326.011	2393.248	2714.128	2137.227	2657.239	2471.737	3359.262	4007.98	4858.38	3897.08	-0.33805	0.042903	-0.11373	0.575275	0.464421	0.027236
AT1G35690	AT1G35690	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G35700	AT1G35700	0	0	0	0	0	0	0.889303	0	0	0	1.330334	0	0	NA	0.141773	NA	0.183636	NA
AT1G35710	AT1G35710	2287.451	2526.492	1923.756	5360.165	4938.031	5965.095	3646.144	3865.663	2583.147	682.2298	675.8097	774.8581	1.24693	1.8E-14	0.197359	0.001111	0.162269	2E-21
AT1G35720	ANN1	2453.898	2150.016	2778.758	3202.407	3210.316	2839.999	2678.582	2613.071	3196.229	2589.787	2807.005	2636.382	0.321277	0.020412	0.572781	0.198885	-0.188625	0.648366
AT1G35730	APUM9	3.566712	0	0	1.237247	1.987402	1.993682	1.778607	2.15778	1.952492	0	2.660668	4.143626	0.125501	0.879383	0.223359	0.791355	0.30818	NA
AT1G35735	AT1G35735	1.188904	0	0	1.649662	0.662467	0	1.778607	2.15778	0.976246	0	0	0	0.222126	NA	0.54501	NA	-0.27228	NA
AT1G35740	AT1G35740	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT1G35745	AT1G35745	0	0	0	0	0	0	0	0.976246	0	0	0	1.035907	0	NA	0.14724	NA	0.156349	NA
AT1G35750	APUM10	1.188904	0	0	0	0	0												

AT1G36130	AT1G36130	0	1.784246	0	0	0	0	0.889303	0	0	0	0	-0.26522	NA	-0.08117	NA	-0.24296	NA	
AT1G36140	AT1G36140	0	0	0	0	0	0	0.889303	1.07889	0	0	0	0	NA	0.3225	NA	0	NA	
AT1G36150	AT1G36150	0	0	0	0.824831	0	0	0	0	0	0	0	0.173038	NA	0	NA	0	NA	
AT1G36160	ACC1	1720.344	1352.458	1131.848	584.8053	568.3969	743.6432	775.4726	966.6854	606.2488	1162.957	1058.946	1089.774	-1.1199	6.02E-09	-0.81856	3.95E-05	-0.33538	0.304149
AT1G36180	ACC2	181.9023	189.1301	123.6148	108.8777	90.09555	167.4693	150.2923	180.1746	99.57709	173.6759	150.3277	154.3501	-0.41997	0.151811	-0.18957	0.582767	-0.04067	0.95645
AT1G36185	AT1G36185	0	0	0	0	0.662467	0.996841	0.889303	1.07889	0	0	0	0	0.285015	NA	0.350274	NA	0	NA
AT1G36190	AT1G36190	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G36200	AT1G36200	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0.172362	NA
AT1G36210	AT1G36210	0	1.784246	0	0	0.662467	0	0	0	0	0	0	0	-0.12017	NA	-0.24312	NA	-0.23848	NA
AT1G36220	AT1G36220	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT1G36225	AT1G36225	2.377808	0	0	0	0	0	0	0	0	0	0	0	-0.32938	NA	-0.31889	NA	-0.31551	NA
AT1G36230	AT1G36230	0	0	0	0	0	0	0.889303	0	0	0	0	1.035907	0	NA	0.137906	NA	0.15538	NA
AT1G36240	RPL30A	1.188904	0	0	0	0	0	0.889303	0	0	0	0	0	-0.20902	NA	-0.03919	NA	-0.19148	NA
AT1G36250	AT1G36250	0	0	0	0	0	0	0.889303	2.15778	1.952492	0	2.660668	0	0	NA	0.775161	NA	0.398211	NA
AT1G36260	AT1G36260	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT1G36270	AT1G36270	1.188904	0	1.287654	0	0.662467	0	0.889303	2.15778	0.976246	0.959536	0	1.035907	-0.44443	NA	0.222702	NA	-0.08643	NA
AT1G36272	AT1G36272	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G36280	AT1G36280	183.0912	214.1095	191.8605	181.8753	198.0777	189.3997	183.1965	166.1491	162.0568	207.2597	243.4511	223.7558	-0.04322	0.833615	-0.1915	0.311418	0.195187	0.489839
AT1G36290	AT1G36290	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G36300	AT1G36300	1.188904	0	0	0	0.662467	0	1.778607	0	0	0	0	0	-0.09734	NA	-0.091285	NA	-0.19961	NA
AT1G36305	AT1G36305	2.377808	0	0	0	0.412416	0	0	0	0	0	0.959536	0	-0.31027	NA	-0.3876	NA	-0.20548	NA
AT1G36310	AT1G36310	328.1375	383.6129	365.6938	364.5754	374.294	373.8153	382.4005	400.2682	441.2632	344.4733	344.5565	367.7468	0.049872	0.764717	0.186498	0.213183	-0.02204	0.950673
AT1G36320	AT1G36320	1332.761	1377.438	1461.488	1221.575	1214.965	1131.414	1488.694	1451.107	1763.1	1439.303	1640.302	1468.915	-0.22237	0.079645	0.171422	0.211568	0.122533	0.585295
AT1G36330	AT1G36330	0	0	0	0	0	0	1.778607	1.07889	0	0	0	1.035907	0	NA	0.472497	NA	0.176389	NA
AT1G36340	UBC31	0	0	0	0.412416	0	0	2.66791	0	0	0	0	0	0.032373	NA	0.366656	NA	0.286233	NA
AT1G36350	AT1G36350	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G36360	AT1G36360	0	0	0	0	0	0	1.778607	0	1.952492	0	0	0	0	NA	0.588939	NA	0	NA
AT1G36370	SHM7	334.082	321.1643	294.8728	197.5471	196.0903	222.2955	175.1928	227.6458	171.8193	270.589	240.7904	256.9048	-0.6207	5.52E-05	-0.71686	5.65E-06	-0.29855	0.230043
AT1G36380	AT1G36380	55.87849	51.74313	64.38272	94.44317	78.17114	43.86099	93.37687	79.83786	119.102	74.84378	50.55269	65.26211	0.329774	0.322844	0.715808	0.021871	0.140929	0.838515
AT1G36390	AT1G36390	376.8826	419.2978	412.0494	355.0898	431.2662	394.7489	439.3159	391.637	501.7904	465.3748	392.4485	583.2154	-0.03251	0.891759	0.14083	0.519766	0.253386	0.395535
AT1G36395	AT1G36395	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G36400	AT1G36400	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G36403	AT1G36403	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT1G36406	AT1G36406	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G36420	AT1G36420	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G36430	AT1G36430	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0.172362	NA
AT1G36440	AT1G36440	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT1G36441	AT1G36441	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G36445	AT1G36445	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G36450	AT1G36450	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G36460	AT1G36460	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT1G36470	AT1G36470	0	0	1.287654	0	0	0	1.778607	0	0.976246	0	0	0	-0.28422	NA	0.251617	NA	-0.23881	NA
AT1G36480	AT1G36480	1.188904	0	0	0	0	0	0.889303	0	0	0	0	0	-0.20902	NA	-0.03919	NA	-0.19148	NA
AT1G36485	AT1G36485	0	0	0	0	0.662467	0	0.889303	0	0	0	0	0	0.097058	NA	0.130384	NA	0	NA
AT1G36490	AT1G36490	0	0	0	0	0.662467	0	0.889303	0	0	0	0	2.071813	0.085978	NA	0.134127	NA	0.305424	NA
AT1G36495	AT1G36495	0	0	0	0	0	0	0	0	0.976246	0	0	0	0	NA	0.16673	NA	0	NA
AT1G36500	AT1G36500	0	0	0	0	0	0	0	0	0	0	0	2.071813	0	NA	0	NA	0.262302	NA
AT1G36510	AT1G36510	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT1G36520	AT1G36520	0	0	0	0	0	0	0.889303	0	0.976246	1.919071	0	0	0	NA	0.309455	NA	0.322439	NA
AT1G36530	AT1G36530	0	0	0	0	0	0	1.778607	0	0	0	0	1.035907	0	NA	0.26262	NA	0.150298	NA
AT1G36540	AT1G36540	1.188904	0	0	0	0	1.993682	0	0	0	0	0	2.071813	0.073425	NA	-0.19538	NA	0.109692	NA
AT1G36550	AT1G36550	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G36560	AT1G36560	0	3.568492	0	0	0	0	0.889303	0	0	0.959536	0	0	-0.50356	NA	-0.29875	NA	-0.28224	NA
AT1G36570	AT1G36570	0	0	0	0	0	0	0.889303	0	0	0	0	1.035907	0	NA	0.137906	NA	0.15538	NA
AT1G36580	AT1G36580	15.45575	19.62671	19.31482	17.32145	17.22415	17.94313	20.01119	21.5778	21.47741	16.31211	18.62468	14.50269	-0.0407	0.93753	0.288567	0.537535	-0.12133	0.896127
AT1G36590	AT1G36590	1.188904	0	0	0	0.662467	0	0.889303	1.07889	1.952492	0	0	1.035907	-0.18094	NA	0.429305	NA	-0.05154	NA
AT1G36595	AT1G36595	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G36600	AT1G36600	0	0	1.287654	1.237247	0	0.996841	1.778607	3.23667	0.976246	0.959536	0	0	0.129869	0.860665	0.653562	0.316163	-0.07924	NA
AT1G36605	AT1G36605	0	0	0	0	0	0	0.889303	0	0.976246	0	0	0	0	NA	0.309898	NA	0	NA
AT1G36610	AT1G36610	2.377808	0	0	0	1.324935	0.996841	0	3.23667	0	0	0	1.035907	-0.04197	NA	0.075256	NA	-0.19573	NA
AT1G36620	AT1G36620	0	0	0	1.237247	3.974804	5.981045	7.114428	3.23667	0	0	0	1.035907	1.196171	0.055188	1.150839	0.074202	0.10638	NA
AT1G36622	AT1G36622	2.377808	3.568492	5.150617	58.56301	67.57166	58.81361	48.02239	26.97225	63.45599	2.878607	2.660668	1.035907	3.315074	1.25E-11	2.915618	3.19E-11	-0.43923	0.684126
AT1G36630	AT1G36630	0	0	0	1.649662	1.987402	3.987363	11.56095	6.47334	3.904984	0	0	0	0.976246	0.136885	0.207522	0.000683	0.098090	NA
AT1G36640	AT1G36640	0	0	0	1.649662	1.987402	1.993682	1.778607	0	1.952492	0	0	0	0.918293	NA	0.627028	NA	0	NA
AT1G36650	AT1G36650	0	0	0	0	0	0	0	0	0	0.959536	0	0	0	NA	0	NA	0.171512	NA
AT1G36660	AT1G36660	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	NA	0.16673	NA	0	NA
AT1G36670	AT1G36670	0	0	0	0	0	0	0.889303	0	0	0.959536	0	0	0	NA	0.13694	NA	0.147196	NA
AT1G36675	AT1G36675	0	1.784246	9.01358	2.474493	1.324935	4.984204	1.778607	4.31556	1.952492	17.27164	13.30334	12.43088	-0.2892	0.698957	-0.28875	0.719114	1.443198	NA
AT1G36680	AT1G36680	3.566712	14.27397	3.862963	6.186234	6.624673													

AT1G36980	AT1G36980	631.308	654.8183	618.0741	740.286	919.5046	616.0476	676.7599	608.4939	946.9586	739.802	888.6631	600.8258	0.251234	0.28723	0.223043	0.378291	0.219603	0.575003
AT1G36990	AT1G36990	211.6249	139.1712	126.1901	141.871	133.8184	116.6304	134.2848	147.8079	153.2706	109.3871	119.7301	143.991	-0.27438	0.256225	-0.13707	0.629743	-0.35129	0.335913
AT1G36992	AT1G36992	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G37000	AT1G37000	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT1G37007	AT1G37007	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G37010	AT1G37010	0	0	0	0	0.996841	0	0	0	0	0	0	0	0.15625	NA	0	NA	0	NA
AT1G37012	AT1G37012	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT1G37015	AT1G37015	0	1.784246	0	0	0	0	0	0	0	0	1.330334	0	-0.27254	NA	-0.25305	NA	-0.03925	NA
AT1G37020	AT1G37020	1.188904	0	0	0	0.662467	0	0	1.07889	0	0	0	1.035907	-0.11244	NA	-0.03726	NA	-0.03194	NA
AT1G37030	AT1G37030	1.188904	0	1.287654	0	0	0	2.66791	1.07889	0	0.959536	0	1.035907	-0.57918	NA	0.198788	NA	-0.07746	NA
AT1G37035	AT1G37035	0	0	0	0	0.996841	0.889303	1.07889	0	0	0	0	0	0.143396	NA	0.329961	NA	0	NA
AT1G37036	AT1G37036	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G37037	AT1G37037	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G37038	AT1G37038	0	0	0.412416	0	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT1G37040	AT1G37040	2.377808	0	1.287654	0	0.662467	0	1.778607	0	0	0.959536	0	0	-0.49992	NA	-0.2604	NA	-0.39684	NA
AT1G37045	AT1G37045	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT1G37050	AT1G37050	0	0	0.412416	0.662467	0	0.889303	0	0.976246	0	1.330334	1.035907	0	0.193906	NA	0.34809	NA	0.402429	NA
AT1G37057	AT1G37057	0	0	0.412416	0	0.996841	0	2.15778	0	0	0	0	0	0.221841	NA	0.327559	NA	0	NA
AT1G37060	AT1G37060	0	0	0	0	0	1.778607	0	1.952492	1.919071	1.330334	0	0	0	NA	0.611574	NA	0.520274	NA
AT1G37063	AT1G37063	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G37070	AT1G37070	0	0	0	0	0	1.778607	0	0.976246	0	0	1.035907	0	0	NA	0.463781	NA	0.176341	NA
AT1G37080	AT1G37080	0	0	0	0	0.889303	0	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT1G37090	AT1G37090	0	0	0	0.662467	0	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT1G37095	AT1G37095	0	0	0	0	0	0	0	0	0	0	1.035907	0	0	NA	0	NA	0.172362	NA
AT1G37100	AT1G37100	0	0	0	0	0	0.889303	0	0	0	0	2.071813	0	0	NA	0.133076	NA	0.29577	NA
AT1G37110	AT1G37110	0	1.784246	0	0	0	0.889303	0	0	0	0	1.035907	0	-0.29314	NA	-0.08881	NA	-0.06689	NA
AT1G37113	AT1G37113	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT1G37120	AT1G37120	0	1.784246	0	0	0	0.889303	0	0	0	0	0	0	-0.26522	NA	-0.08117	NA	-0.24296	NA
AT1G37130	NIA2	6047.954	5300.995	4273.725	2879.073	2452.454	3451.063	2565.641	3053.259	2187.767	3440.895	2748.47	3443.353	-0.81177	9.7E-06	-0.97729	7.35E-08	-0.68083	0.003072
AT1G37140	MCT1	0	0	0.412416	0	0	0	1.07889	0	0	0	0	0	0.064603	NA	0.150774	NA	0	NA
AT1G37150	HC52	4.755616	3.568492	3.862963	6.598649	9.274542	8.971567	7.114428	4.31556	13.66744	8.635821	9.312338	4.143626	0.687868	0.254243	0.71748	0.26103	0.55507	NA
AT1G37160	AT1G37160	0	0	0	0	0.996841	0	0	0	0	0	0	0	0.15625	NA	0	NA	0	NA
AT1G37162	AT1G37162	0	0	0	0	0	0	1.07889	0	0	0	0	0	0	NA	0.16673	NA	0	NA
AT1G37170	AT1G37170	0	0	0	0	0	0	0	0.976246	0	0	1.035907	0	0	NA	0.14724	NA	0.156349	NA
AT1G37180	AT1G37180	0	0	0.662467	0	0	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT1G37190	AT1G37190	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G37200	AT1G37200	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT1G37210	AT1G37210	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G37275	AT1G37275	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G37340	AT1G37340	0	0	0.412416	0	0	0.889303	2.15778	0	0	0	0	0	0.060454	NA	0.493861	NA	0	NA
AT1G37405	AT1G37405	0	0	0.412416	1.324935	0.996841	1.778607	1.07889	0	0	0	0	0	0.496163	NA	0.507273	NA	0	NA
AT1G37471	AT1G37471	0	0	0	0	0	0	1.07889	0	0	0	1.035907	0	0	NA	0.157605	NA	0.157555	NA
AT1G37537	AT1G37537	0	0	0.662467	0	0.889303	0	0	0	0	0	0	0	0.097058	NA	0.130384	NA	0	NA
AT1G37603	AT1G37603	0	1.287654	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT1G37669	AT1G37669	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G37735	AT1G37735	0	0	0	0	0	0	1.07889	0	0	0	0	0	0	NA	0.16673	NA	0	NA
AT1G37801	AT1G37801	0	0	0	0	0.889303	0	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT1G37867	AT1G37867	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G37933	AT1G37933	0	0	0	0	0	0	1.07889	0	0.959536	0	0	0	0	NA	0.156853	NA	0.149599	NA
AT1G37999	AT1G37999	3.566712	0	2.575309	0.824831	0	0.996841	0	0	0.959536	1.330334	5.179533	0	-0.6642	0.320746	-0.97453	0.127834	0.132018	NA
AT1G38065	AT1G38065	114.1348	112.4075	87.5605	65.16166	71.54647	71.77254	56.91542	57.18117	42.95482	89.23681	86.47171	123.2729	-0.57311	0.013828	-0.95695	6.06E-05	-0.06025	0.916422
AT1G38131	AT1G38131	133.1572	130.25	126.1901	71.76031	78.83361	76.75674	68.47637	80.91675	50.76479	107.468	94.45371	127.4165	-0.75846	0.00026	-0.93359	0.000016	-0.22913	0.59649
AT1G38140	AT1G38140	0	0	0	0	0	0	0	0.976246	0	0	0	0	0	NA	0.16673	NA	0	NA
AT1G38149	AT1G38149	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G38158	AT1G38158	1.188904	0	0	0	0	0	1.07889	0.976246	0	0	0	0	-0.26995	NA	0.138812	NA	-0.23175	NA
AT1G38167	AT1G38167	1.188904	0	0	0	0	1.778607	0.976246	0	1.330334	0	0	0	-0.30007	NA	0.254602	NA	-0.01597	NA
AT1G38176	AT1G38176	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT1G38185	AT1G38185	0	0	0	0	0	0.889303	0	0.959536	0	0	0	0	0	NA	0.13694	NA	0.147196	NA
AT1G38194	AT1G38194	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT1G38203	AT1G38203	0	0	0	0	0	0	0	0	0	1.330334	0	0	0	NA	0	NA	0.172362	NA
AT1G38212	AT1G38212	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G38221	AT1G38221	0	0	0	0	0.889303	0	1.919071	0	0	0	0	0	0	NA	0.132627	NA	0.281224	NA
AT1G38230	AT1G38230	1.188904	0	0	0	0	0	0	0	0	1.330334	0	0	-0.22006	NA	-0.20393	NA	0.001199	NA
AT1G38240	AT1G38240	0	0	0	0	0	0	0	0	0	0	1.035907	0	0	NA	0	NA	0.172362	NA
AT1G38250	AT1G38250	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G38260	AT1G38260	0	0	0.662467	0	0	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT1G38270	AT1G38270	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G38280	AT1G38280	0	0	0	0	0	0	0	0	0	1.330334	0	0	0	NA	0	NA	0.172362	NA
AT1G38290	AT1G38290	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G38300	AT1G38300	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT1G38310	AT1G38310	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G38320	AT1G38320	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G38330	AT1G38330	0	0	0	0	0.889303	0	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT1G38340	AT1G38340	0																	

AT1G39830	AT1G39830	1.188904	0	0	0	0	0	1.778607	0	0.976246	0	0	0	-0.27573	NA	0.258961	NA	-0.23093	NA	
AT1G39910	AT1G39910	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G39900	AT1G39900	1.188904	0	0	0	0	0	0.889303	0	0	0	0	0	-0.20902	NA	-0.03919	NA	-0.19148	NA	
AT1G40069	AT1G40069	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G40070	AT1G40070	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G40071	AT1G40071	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA	
AT1G40072	AT1G40072	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G40073	AT1G40073	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G40074	AT1G40074	0	0	0	0	0	0	0.889303	0	0	0	0	1.035907	0	NA	0.137906	NA	0.15538	NA	
AT1G40075	AT1G40075	0	0	0	0	0.662467	0	0.889303	0	0	0	0	1.035907	0.099976	NA	0.14456	NA	0.164373	NA	
AT1G40076	AT1G40076	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G40077	AT1G40077	1.188904	0	0	0	0	0	0	0	0	0	1.035907	-0.21339	NA	-0.19896	NA	-0.02174	NA	NA	
AT1G40078	AT1G40078	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G40079	AT1G40079	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA	
AT1G40080	AT1G40080	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G40081	AT1G40081	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA	
AT1G40083	AT1G40083	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G40084	AT1G40084	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G40085	AT1G40085	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G40087	AT1G40087	0	0	0	0	0	0	1.778607	0	0.959536	0	0	0	0	NA	0.262373	NA	0.143228	NA	
AT1G40089	AT1G40089	15.45575	17.84246	11.58889	3.71174	3.312336	4.984204	19.56468	14.02557	4.88123	19.19071	6.65167	16.5745	-1.4797	0.003771	-0.15802	0.816606	-0.02381	NA	
AT1G40091	AT1G40091	1.188904	0	0	0	0	0	0.889303	0	0	0	0	0	-0.20902	NA	-0.03919	NA	-0.19148	NA	
AT1G40093	AT1G40093	0	0	0	0	0	0	0.889303	0	0	1.330334	0	0	0	NA	0.141773	NA	0.183636	NA	
AT1G40095	AT1G40095	0	0	0	0.412416	0	0	3.557214	0	0.976246	0.959536	1.330334	2.071813	-0.02592	NA	0.733461	NA	0.675715	NA	
AT1G40097	AT1G40097	0	0	0	0.412416	0.662467	0	1.778607	0	0.976246	0	0	0	0	0.206295	NA	0.491977	NA	0	NA
AT1G40099	AT1G40099	0	0	0	0	0	0	1.07889	0	0	0	0	0	0	NA	0.16673	NA	0	NA	
AT1G40100	AT1G40100	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA	
AT1G40101	AT1G40101	1.188904	1.784246	0	0	1.987402	0.996841	3.557214	1.07889	0.976246	0	3.991002	1.035907	-0.04209	0.959679	0.346775	0.648059	0.224346	NA	
AT1G40103	AT1G40103	1.188904	0	0	0	0.996841	0.996841	1.07889	0	0	0	0	0	-0.08354	NA	0.12199	NA	-0.23399	NA	
AT1G40104	AT1G40104	40.42273	30.33218	6.438272	5.361402	23.18635	6.977885	96.93408	52.86561	17.57243	17.27164	49.22236	46.61579	-0.64567	0.34538	0.729888	0.298245	0.346486	0.786989	
AT1G40105	AT1G40105	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G40106	AT1G40106	1.188904	0	0	0.662467	0.996841	0	0	0	0	0	0	0	0.073595	NA	-0.22874	NA	-0.22142	NA	
AT1G40107	AT1G40107	0	0	0	0.662467	0	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA	
AT1G40109	AT1G40109	0	0	0	0.412416	0.662467	0	1.778607	0	0.959536	0	0	0	0	0.184769	NA	0.300184	NA	0.161429	NA
AT1G40112	AT1G40112	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA	
AT1G40113	AT1G40113	1.188904	0	0	1.324935	0	0.889303	1.07889	0	0	0	0	0	0.013964	NA	0.112007	NA	-0.2229	NA	
AT1G40115	AT1G40115	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G40117	AT1G40117	0	0	0	0	0	0	1.07889	0	0	0	0	0	0	NA	0.16673	NA	0	NA	
AT1G40118	AT1G40118	0	0	0	0	0	0	0	0	0	1.330334	0	0	0	NA	0	NA	0.172362	NA	
AT1G40119	AT1G40119	0	0	0	0	0	0	0	0.976246	0.959536	0	0	0	0	NA	0.146371	NA	0.148275	NA	
AT1G40121	AT1G40121	1.188904	0	0	0.412416	0	0.889303	0	0	0	0	0	0	-0.12978	NA	-0.04528	NA	-0.2092	NA	
AT1G40123	AT1G40123	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G40124	AT1G40124	0	0	0	0	0	0	0	0	0.959536	0	0	0	0	NA	0	NA	0.171512	NA	
AT1G40125	AT1G40125	0	0	0	0.412416	0.662467	0	0.889303	2.928738	0	0	0	0	0.190234	NA	0.62642	NA	0	NA	
AT1G40127	AT1G40127	0	1.784246	0	0	0	0.889303	1.07889	0	0	0	1.035907	-0.33644	NA	0.08923	NA	-0.07256	NA	NA	
AT1G40129	AT1G40129	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G40130	AT1G40130	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G40131	AT1G40131	0	0	0	0	0	0.889303	1.07889	0	0	0	0	0	0	NA	0.3225	NA	0	NA	
AT1G40133	AT1G40133	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G40135	AT1G40135	0	0	0	0.662467	0	0.889303	0	0	0	1.035907	0.099976	NA	0.14456	NA	0.164373	NA	0.164373	NA	
AT1G40136	AT1G40136	0	1.784246	0	0	0	0	0	0	0	1.330334	0	-0.27254	NA	-0.25305	NA	-0.03925	NA	NA	
AT1G40137	AT1G40137	0	0	0	0	0	0	0	0	0	1.330334	0	0	0	NA	0	NA	0.172362	NA	
AT1G40139	AT1G40139	0	0	0	0.662467	0	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA	
AT1G40141	AT1G40141	0	0	0	0	0	0	0	0.976246	0	0	0	0	0	NA	0.16673	NA	0	NA	
AT1G40143	AT1G40143	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G40150	AT1G40150	0	0	0.412416	0	0	0	0	0	0	1.330334	0	0	0.067751	NA	0	NA	0.180865	NA	
AT1G40230	AT1G40230	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G40310	AT1G40310	0	0	0.662467	0.996841	0	1.07889	0	0	0	0	0	0	0.274912	NA	0.172872	NA	0	NA	
AT1G40390	AT1G40390	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA	
AT1G40470	AT1G40470	0	1.784246	0	0.662467	0	0.889303	0	0.976246	0	0	0	0	-0.16032	NA	0.080097	NA	-0.27581	NA	
AT1G40630	AT1G40630	0	0	0.662467	0	0	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA	
AT1G41115	AT1G41115	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA	
AT1G41600	AT1G41600	0	0	0.412416	0	1.778607	0	0	0	0	1.035907	0.053273	NA	0.279062	NA	0.158506	NA	0.158506	NA	
AT1G41630	AT1G41630	0	0	0	0	0.889303	0	0.959536	0	0	0	0	0	0	NA	0.13694	NA	0.147196	NA	
AT1G41650	AT1G41650	0	0	0	0	0	0	0.959536	0	0	0	0	0	0	NA	0	NA	0.171512	NA	
AT1G41660	AT1G41660	1.188904	0	0.412416	0	0	1.07889	0	0	0	0	0	0	-0.13172	NA	-0.02794	NA	-0.21059	NA	
AT1G41680	AT1G41680	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G41690	AT1G41690	0	0	0	0	0	0	0	0	0	1.035907	0	0	0	NA	0	NA	0.172362	NA	
AT1G41700	AT1G41700	0	0	0	0	1.778607	0	0	0	0	1.035907	0	0	0	NA	0.26262	NA	0.150298	NA	
AT1G41710	AT1G41710	0	1.784246	0	0	0	0	2.15778	0	0	0	1.035907	-0.28618	NA	0.0854	NA	-0.06905	NA	NA	
AT1G41720	AT1G41720	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G41723	AT1G41723	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G41726	AT1G41726	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G41730	AT1G41730	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G41740	AT1G41740	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA	
AT1G41743	AT1G41743	0	0	0.662467	0	0														

AT1G43030	AT1G43030	0	0	0	0	0.662467	0	1.778607	0	0	0	0	0.091702	NA	0.255494	NA	0	NA	
AT1G43040	AT1G43040	0	0	0	1.237247	0	0	0.889303	2.15778	0.976246	1.919071	0	0.208126	NA	0.593239	NA	0.314877	NA	
AT1G43050	AT1G43050	0	0	0	0	0	0	0.889303	0	0	0	0	0	NA	0.160764	NA	0	NA	
AT1G43060	AT1G43060	4.755616	0	2.575309	1.237247	1.987402	1.993682	8.003731	4.31556	1.952492	8.635821	3.991002	7.251346	-0.41225	0.574968	0.515892	0.489485	0.8612	NA
AT1G43070	AT1G43070	0	0	0	0.412416	0	0	0.889303	0	0	0	0	0	0.066991	NA	0.136991	NA	0	NA
AT1G43080	AT1G43080	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G43090	AT1G43090	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT1G43100	AT1G43100	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT1G43110	AT1G43110	0	0	0	0	0	0.996841	0	0	0	0	0	0	0.15625	NA	0	NA	0	NA
AT1G43120	AT1G43120	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G43130	LCV2	215.1916	303.3218	333.5025	454.0695	435.241	424.6542	358.3893	393.7948	277.2539	258.1151	242.1208	188.535	0.613598	0.002161	0.26847	0.250307	-0.29496	0.397989
AT1G43140	AT1G43140	0	0	0	0	0	0	0.889303	0	0.959536	0	1.035907	0	0	NA	0.161651	NA	0.351496	NA
AT1G43145	AT1G43145	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G43150	AT1G43150	1.188904	0	0	0	0	0	0.889303	0	0.959536	0	2.071813	-0.30278	NA	-0.06534	NA	0.292287	NA	NA
AT1G43160	RAP2-6	1.188904	3.568492	0	13.1973	11.92441	14.95261	11.86779	8.786214	0.959536	0	1.035907	2.009954	0.000357	2.211568	9.59E-05	-0.35252	NA	NA
AT1G43170	ARP1	5271.6	5004.81	5091.385	4815.777	4308.025	4298.377	3631.915	4120.281	5091.123	4356.292	3412.307	5124.63	-0.19142	0.319203	-0.25406	0.189273	-0.24812	0.38665
AT1G43171	AT1G43171	0	0	0	0	0	0	0	2.15778	0	0	0	0	0	0	0.266481	NA	0	NA
AT1G43180	AT1G43180	7.133424	8.92123	9.01358	12.78488	13.91181	14.95261	12.45025	11.86779	6.833722	4.797678	9.312338	10.35907	0.614693	0.234156	0.257903	0.685308	-0.04146	NA
AT1G43190	PTB3	656.2575	506.7259	525.363	507.2712	496.188	559.2277	576.2687	516.7883	475.4318	489.3632	564.0616	582.1795	-0.11607	0.51391	-0.10789	0.572191	-0.05021	0.888866
AT1G43195	AT1G43195	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G43200	AT1G43200	0	0	0	0	0.662467	0	0.889303	0	0	0	0	0	0.097058	NA	0.130384	NA	0	NA
AT1G43205	AT1G43205	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT1G43210	AT1G43210	2.377808	0	0	0	0	0	0	0	0	0	0	0	-0.32938	NA	-0.31889	NA	-0.31551	NA
AT1G43220	AT1G43220	0	0	0	0.412416	0	0	0.889303	1.07889	0	0	0	1.035907	0.058291	NA	0.343513	NA	0.183181	NA
AT1G43230	AT1G43230	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G43240	AT1G43240	1.188904	0	0	0	0	0.996841	0	0	0	0	1.330334	0	-0.06079	NA	-0.21623	NA	-0.00394	NA
AT1G43245	SDG41	92.73451	114.1917	64.38272	64.33683	78.83361	83.73463	91.59826	78.75897	58.57476	66.20796	89.13238	70.44164	-0.24379	0.41532	-0.21745	0.504247	-0.24703	0.624674
AT1G43250	AT1G43250	1.188904	0	3.862963	0.824831	1.324935	1.993682	3.557214	2.15778	0	4.797678	1.330334	2.071813	-0.21532	0.788076	0.046597	0.958596	0.320315	NA
AT1G43260	AT1G43260	0	0	0	0	0	0	0	1.07889	0.976246	0	0	2.071813	0	NA	0.325048	NA	0.334927	NA
AT1G43270	AT1G43270	1.188904	0	0	0	0.996841	0.889303	0	0	1.919071	0	0	0	-0.0795	NA	-0.05746	NA	0.109038	NA
AT1G43280	AT1G43280	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT1G43290	AT1G43290	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G43300	AT1G43300	0	1.784246	0	0	0	0	1.778607	0	0	0	0	0	-0.25988	NA	0.05432	NA	-0.23333	NA
AT1G43310	AT1G43310	40.42273	28.54794	32.19136	24.33252	18.54908	17.94313	22.23259	23.73558	15.61994	20.15025	30.59768	21.75404	-0.66229	0.062257	-0.67026	0.081212	-0.47292	0.43508
AT1G43320	AT1G43320	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G43330	AT1G43330	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT1G43387	AT1G43387	0	1.784246	0	0	0	0	0.889303	1.07889	0	0.959536	0	0	-0.33632	NA	0.089675	NA	-0.07947	NA
AT1G43415	AT1G43415	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G43444	AT1G43444	1.188904	1.784246	0	0.412416	0	0	0.889303	0	0	0	0	0	-0.40146	NA	-0.29287	NA	-0.48079	NA
AT1G43502	AT1G43502	1.188904	0	0	0	0	0	0	2.15778	0	0	0	2.071813	-0.23669	NA	0.113049	NA	0.114332	NA
AT1G43560	Aly2	618.2301	667.308	648.9778	536.5527	702.8778	499.4172	783.4764	559.9439	818.0941	885.6514	991.0988	878.4487	-0.14887	0.483389	0.158396	0.474807	0.499463	0.037869
AT1G43570	AT1G43570	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT1G43575	AT1G43575	0	0	0	0	0	1.993682	0	0	0	0	0	0	0.249001	NA	0	NA	0	NA
AT1G43580	AT1G43580	300.7927	328.3013	271.6951	227.6534	238.4882	276.1249	222.3259	241.6713	237.2278	239.8839	191.5681	240.3303	-0.27815	0.095015	-0.35171	0.040154	-0.40519	0.073815
AT1G43590	AT1G43590	3.566712	12.48972	10.30123	7.011065	7.949607	10.96525	8.893035	1.07889	4.88123	7.676285	6.65167	2.071813	0.011234	0.988865	-0.53034	0.439136	-0.45758	NA
AT1G43600	AT1G43600	0	0	0	0	0	0	0	0	0.959536	0	0	0	0	NA	0	NA	0.171512	NA
AT1G43610	AT1G43610	0	0	0	0	0.996841	0	1.07889	0	0	0	0	0	0.134295	NA	0.152414	NA	0	NA
AT1G43620	UGT80B1	345.971	367.5547	347.6667	354.6774	302.7475	346.9006	373.5075	455.2916	311.4225	282.1035	379.1452	295.2334	-0.07608	0.738767	0.101512	0.663607	-0.15007	0.673631
AT1G43624	AT1G43624	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G43630	AT1G43630	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0.172362	NA
AT1G43640	TULP5	0	1.784246	0	0	0	0	0.889303	1.07889	0	0	0	0	-0.31639	NA	0.095554	NA	-0.27438	NA
AT1G43650	AT1G43650	34.47821	16.05821	38.62963	11.54764	9.937009	8.971567	13.33955	15.10446	15.61994	47.01725	23.94601	21.75404	-1.36209	0.000771	-0.92131	0.035808	0.042393	0.970058
AT1G43660	AT1G43660	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT1G43665	AT1G43665	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G43666	AT1G43666	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G43667	AT1G43667	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G43670	AT1G43670	1952.18	2241.013	2006.165	2081.461	2105.321	2021.593	3735.075	3608.887	4566.879	2572.515	2715.212	2489.283	0.003392	0.984612	0.934135	3.44E-16	0.324687	0.054184
AT1G43675	AT1G43675	17.83356	14.27397	10.30123	11.54764	15.23675	13.95577	45.35448	49.62894	65.40848	15.35257	22.61568	15.5386	-0.10042	0.846087	1.75045	1.08E-06	0.258136	0.757919
AT1G43680	AT1G43680	0	0	0	0	0	0	0.976246	0	0	0	0	0	0	NA	0.16673	NA	0	NA
AT1G43690	AT1G43690	494.584	462.1197	458.4049	388.9079	328.5838	414.6858	406.4117	426.1615	365.116	474.9701	514.8392	422.6499	-0.32099	0.032319	-0.23889	0.145695	-0.00586	0.989371
AT1G43700	VIP1	458.9169	538.8423	536.9519	489.5373	527.9864	474.4962	567.3756	550.2339	513.5054	424.1147	440.3405	479.6247	-0.0358	0.830967	0.090611	0.576534	-0.18584	0.401389
AT1G43710	SDC	1071.202	1027.726	1040.425	745.2349	790.3235	727.6938	734.5647	759.5385	764.4006	925.9519	935.2248	835.9766	-0.46878	1.99E-06	-0.47287	2.66E-06	-0.21907	0.15612
AT1G43715	AT1G43715	0	0	0	0	0	0	1.07889	0	0	0	0	0	0	NA	0.16673	NA	0	NA
AT1G43720	AT1G43720	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	NA	0.16673	NA	0	NA
AT1G43722	AT1G43722	0	1.784246	0	0.662467	0	0.889303	0	0	0	0	0	0	-0.13635	NA	-0.08681	NA	-0.2518	NA
AT1G43723	AT1G43723	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A		

AT1G45221	AT1G45221	0	0	0	0	0	0	0	0	0.976246	0.959536	0	0	0	NA	0.146371	NA	0.148275	NA	
AT1G45223	AT1G45223	0	0	0	0	0.662467	0	0.889303	0	0	0	0	0	0	0.097058	NA	0.130384	NA	0	NA
AT1G45225	AT1G45225	0	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G45227	AT1G45227	0	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G45229	AT1G45229	22.58917	21.41095	27.04074	28.04426	25.17376	14.95261	25.7898	24.81447	26.35864	23.02886	29.26735	27.96948	-0.01901	0.968713	0.098765	0.84295	0.145622	0.86061	
AT1G45230	AT1G45230	496.9618	494.2362	479.0074	526.6547	632.6562	522.3446	776.3619	602.0206	733.1607	641.9293	751.6387	615.3285	0.19114	0.25838	0.515652	0.000754	0.441442	0.028177	
AT1G45231	AT1G45231	129.5905	151.6609	112.0259	177.3387	130.5061	164.4787	190.3109	162.9124	115.197	129.5373	138.3547	107.7643	0.264687	0.502375	0.252234	0.360403	-0.05951	0.920166	
AT1G45233	THOSA	130.7794	137.3869	104.3	131.973	125.2063	169.4629	173.4142	152.1235	131.7932	127.6182	78.4897	134.6783	0.184687	0.300332	0.291293	0.285014	-0.10774	0.844625	
AT1G45234	AT1G45234	3.566712	1.784246	2.575309	2.886909	1.324935	5.981045	0.889303	4.31556	3.904984	5.757214	6.65167	7.251346	0.104065	0.899195	0.051104	0.953694	0.817057	NA	
AT1G45236	AT1G45236	0	0	0	0.824831	1.324935	0	0	0	0	0	0	0	0.369064	NA	0	NA	0	NA	
AT1G45238	AT1G45238	0	1.784246	0	0	0.662467	0	0	0	0	0.959536	1.330334	0	-0.16418	NA	-0.29041	NA	0.124279	NA	
AT1G45240	AT1G45240	4.755616	0	1.287654	0.412416	0.662467	0.996841	0.889303	1.07889	0.976246	1.919071	1.330334	0	-0.6565	0.333531	-0.44928	0.544927	-0.39795	NA	
AT1G45242	AT1G45242	0	1.784246	1.287654	0.824831	0	0	1.778607	1.07889	0.976246	0.959536	0	0	-0.35892	NA	0.17535	NA	-0.30448	NA	
AT1G45243	AT1G45243	0	0	0	0	0	0	0.996841	0	0	0	0	0	0.15625	NA	0	NA	0	NA	
AT1G45244	AT1G45244	0	0	3.862963	0.824831	0	0	0	0	3.23667	0.976246	0	0	-0.41017	NA	0.036402	NA	-0.53394	NA	
AT1G45246	AT1G45246	1.188904	0	0	0	0	0	0.889303	0	0	0	1.330334	0	-0.24865	NA	-0.04956	NA	-0.00445	NA	
AT1G45248	AT1G45248	40.42273	41.03766	52.79383	33.81808	27.82363	34.88943	37.35075	47.47116	23.4299	43.1791	53.21336	54.90305	-0.45352	0.164524	-0.30012	0.421233	0.15505	0.815889	
AT1G45249	ABF2	204.4915	235.5205	208.6	214.8685	227.2263	200.365	180.5286	196.358	196.2254	198.6239	184.9164	210.289	-0.00252	0.990655	-0.1702	0.356937	-0.11514	0.715123	
AT1G45256	AT1G45256	0	0	0	0	0	0	0	0	0.976246	0	0	0	0	NA	0.16673	NA	0	NA	
AT1G45332	MEF61	219.9472	196.2671	202.1617	248.2742	223.2515	238.2449	233.8868	239.5136	156.1994	147.7685	174.2738	193.7145	0.192763	0.380809	0.022136	0.937626	-0.25948	0.453436	
AT1G45403	AT1G45403	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA	
AT1G45474	LHCA5	913.0782	1095.527	1061.027	604.1888	640.6059	634.9876	909.7575	893.3209	1118.778	1154.321	1134.775	1212.011	-0.6985	2.75E-08	-0.06815	0.692667	0.19007	0.389402	
AT1G45545	WEL2	51.12287	41.03766	27.04074	18.5587	24.51129	21.9305	25.7898	20.49891	25.3824	25.90746	39.91002	32.1131	-0.82372	0.014577	-0.67268	0.06801	-0.2783	0.670495	
AT1G45616	ATRLP6	2.377808	12.48972	0	4.536571	0	6.977885	6.225124	7.55223	7.809968	8.635821	6.65167	6.215439	-0.1927	0.808017	0.408029	0.956058	0.406252	NA	
AT1G45688	AT1G45688	718.098	685.1505	630.9506	666.4636	622.0568	664.8928	467.7736	457.4493	426.6195	659.201	816.8251	587.359	-0.05763	0.754664	-0.5811	5.66E-05	0.017013	0.96566	
AT1G45760	AT1G45760	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G45832	AT1G45832	0	0	0	0	0	0	0.889303	0	0.976246	0	0	0	0	NA	0.309898	NA	0	NA	
AT1G45904	AT1G45904	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA	
AT1G45976	SBP1	215.1916	249.7944	213.7506	322.9214	314.672	280.1123	273.9055	272.9592	357.306	225.4909	255.4241	203.0377	0.436873	0.011843	0.41154	0.024047	0.012308	0.981536	
AT1G46048	AT1G46048	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G46120	AT1G46120	16.64466	7.136984	18.02716	7.011065	9.274542	4.984204	44.46517	30.20892	30.26363	13.4335	30.59768	14.50269	-0.83981	0.076374	1.144409	0.008726	0.34511	0.691086	
AT1G46192	AT1G46192	0	0	0	0	0	0	0	0	0	0	1.330334	1.035907	0	NA	0	NA	0.375122	NA	
AT1G46264	HSF84	74.90095	64.23286	55.36914	47.42779	55.64725	36.88311	41.79726	43.1556	46.85981	63.32935	73.16837	49.72351	-0.44005	0.113695	-0.537	0.067837	-0.07054	0.91453	
AT1G46336	AT1G46336	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G46408	AGL97	0	0	0	0.412416	0	0	0.889303	0	0	0	0	0	0.066991	NA	0.136991	NA	0	NA	
AT1G46480	WOX4	46.36725	30.33218	36.05432	25.98218	32.4609	27.91154	24.01119	19.42002	31.23987	53.734	27.93701	35.22082	-0.37689	0.30704	-0.55785	0.145688	0.051115	0.955173	
AT1G46552	AT1G46552	8.322328	7.136984	7.725926	2.886909	1.987402	3.987363	3.557214	2.15778	2.928738	4.797678	9.312338	7.251346	-0.13816	0.077639	-0.9861	0.119376	-0.10431	NA	
AT1G46554	AT1G46554	66.57862	71.36984	55.36914	49.48987	72.20893	63.79781	83.59453	75.5223	130.817	110.3466	83.81104	68.36983	-0.06365	0.868154	0.559242	0.071475	0.425111	0.378228	
AT1G46624	AT1G46624	1.188904	3.568492	0	0.412416	0	0	0.889303	0	0	0	0	0	-0.6316	NA	-0.5056	NA	-0.47557	NA	
AT1G46696	AT1G46696	0	0	0	0	0	0	0	0	0.976246	0	0	0	0	NA	0.16673	NA	0	NA	
AT1G46768	RAP2-1	8.322328	23.1952	15.45185	18.97112	15.23675	14.95261	24.9005	12.94668	14.64369	12.47396	18.62468	12.43088	0.118486	0.832086	0.196404	0.734392	-0.06684	0.955676	
AT1G46840	AT1G46840	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G46912	AT1G46912	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G46984	AT1G46984	0	0	0	0.662467	0	0	1.07889	0	0	0	2.660668	0	0.081727	NA	0.150165	NA	0.348649	NA	
AT1G47056	VB1	202.1137	198.0513	195.7235	208.6823	229.2137	236.2513	244.5585	222.2513	188.4155	222.6123	250.1028	181.2836	0.169329	0.396603	0.134729	0.541046	0.126106	0.727711	
AT1G47128	RD21A	4050.596	4897.755	4294.327	4661.121	3826.411	4484.787	5609.726	6430.184	5412.308	4401.39	3788.791	4523.804	-0.02873	0.075944	0.393829	0.050125	-0.05711	0.85769	
AT1G47200	WPP2	174.7689	183.7773	224.0519	298.5889	287.5108	195.3808	188.5323	153.2024	329.9711	214.936	251.4331	218.5763	0.407754	0.154146	0.195074	0.559877	0.219498	0.676985	
AT1G47210	CYCA3-2	174.7689	190.9143	194.4358	117.5384	125.8688	124.6051	114.7201	145.6501	88.83839	224.5313	171.6131	209.2531	-0.59131	0.0028	-0.66524	0.001148	0.117191	0.779875	
AT1G47220	CYCA3-3	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G47230	CYCA3-4	99.86793	89.2123	90.1358	104.7536	112.6194	112.643	95.15547	86.3112	113.2445	98.83217	113.0784	98.41112	0.225515	0.308747	0.072243	0.797774	0.137405	0.746581	
AT1G47240	NRAMP2	174.7689	144.5239	151.9432	103.5163	109.9696	136.5672	112.9415	101.4157	112.2683	131.4564	142.3457	157.4578	-0.44266	0.020896	-0.52031	0.009292	-0.13173	0.736333	
AT1G47250	PAF2	194.9802	233.7362	222.7642	306.0124	329.9087	293.0712	294.955	257.8547	346.5673	224.5313	167.6221	300.4129	0.501666	0.018315	0.45489	0.042311	0.094509	0.84648	
AT1G47260	GAMMACA2	853.633	861.7908	915.5222	798.849	788.9985	826.381	692.9851	691.5685	781.973	842.4723	830.1284	943.7108	-0.12423	0.329505	-0.28486	0.017655	-0.00751	0.982852	
AT1G47265	AT1G47265	0	0	0	0	0	0	0.889303	1.07889	0	0	0	0	0	NA	0.3225	NA	0	NA	
AT1G47270	TULP6	164.0687	144.5239	157.0938	126.6116	107.9822	144.5419	160.9639	160.7546	147.4131	193.8262	118.1748	169.8887	-0.30465	0.118242	0.005097	0.984929	0.304854	0.300873	
AT1G47271	AT1G47271	0	3.568492	2.575309	2.744943	2.649869	0.996841	0.889303	0	0	0	2.660668	1.035907	0.121518	0.882347	-0.07017	0.311833	-0.27915	NA	
AT1G47278	AT1G47278	48.74506	60.66437	63.09506	122.4874	122.5564	102.6746	98.71269	72.28563	124.9595	69.08657	81.15037	82.87252	0.982494	0.020045	0.753123	0.003525	0.41446	0.323717	
AT1G47280	AT1G47280	1.188904	1.784246	0	2.474493	1.987402	5.981045	0	2.15778	1.928738	0.959536	0	0.271813	0.814752	0.228878	0.26059	0.750873	0.023384	NA	

AT1G48470	GLN1-5	1.188904	1.784246	3.862963	1.237247	1.987402	1.993682	2.66791	2.15778	1.952492	1.919071	3.991002	0	-0.22558	0.779631	0.001608	0.998631	-0.13935	NA
AT1G48480	RKL1	426.8165	324.6506	330.9272	169.0904	181.516	175.444	133.3955	196.358	206.9642	100.8895	283.3611	338.7414	-1.14105	1.011-10	-1.11442	6.474-10	-0.33042	0.261783
AT1G48490	IRE3	406.6051	376.4759	321.9136	358.8015	306.0599	413.6889	433.9801	495.2105	325.0899	299.3751	258.0848	290.0538	-0.03714	0.884987	-0.177833	0.444182	-0.371	0.214578
AT1G48500	TIFV6A	2.377808	14.27397	1.287654	5.361402	3.974804	2.990522	4.446517	4.31556	5.857476	9.595356	7.982004	6.215439	-0.25096	0.73125	-0.10579	0.898199	0.401424	NA
AT1G48510	AT1G48510	0	0	0	0.412416	0	0	0.889303	0	0	0	0	0.1035907	0.066177	NA	0.148539	NA	0.168189	NA
AT1G48520	GATB	910.7004	929.5922	988.9185	608.313	657.83	669.877	882.1891	831.8241	919.6237	1009.431	1011.054	1180.933	-0.54525	1.41E-06	-0.10219	0.47922	0.177244	0.361233
AT1G48530	AT1G48530	2.377808	0	0	0.412416	0	0	0.889303	0	0	0.976246	0	0	-0.30842	NA	-0.21027	NA	-0.37694	NA
AT1G48540	AT1G48540	836.9884	836.8114	799.6333	280.4426	278.8987	354.8753	501.5672	518.9461	335.8286	754.195	993.7595	782.1094	-1.40623	2.51E-15	-0.84623	4.68E-06	0.030698	0.951396
AT1G48550	AT1G48550	109.3792	137.3869	117.1765	160.8421	139.1181	140.5545	113.8308	102.4945	126.912	95.95356	91.79304	80.80071	0.288835	0.15668	-0.0692	0.798866	-0.41527	0.177771
AT1G48560	AT1G48560	48.74506	44.60615	64.38272	58.1506	45.04777	59.81045	68.47637	75.5223	63.45599	48.93632	55.87403	48.68761	0.031328	0.929344	0.366159	0.210844	-0.05495	0.935568
AT1G48570	AT1G48570	310.3039	269.4212	297.4482	273.8439	333.221	275.1281	345.9391	295.6158	328.9949	281.1439	282.0308	294.1975	0.003262	0.987999	-0.140682	0.441659	-0.03711	0.92211
AT1G48580	AT1G48580	23.77808	21.41095	16.73951	19.79595	21.19895	11.96209	17.78607	16.18335	14.64369	16.31211	30.59768	24.86176	-0.16953	0.727094	-0.30723	0.535295	0.17345	0.846842
AT1G48590	AT1G48590	1.188904	0	0	0.824831	0.662467	0	4.446517	0	0	0	2.660668	0	0.013161	0.98536	0.013161	0.98536	0.139798	NA
AT1G48598	CPuORF31	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT1G48600	NMT2	1.188904	1.784246	1.287654	0.412416	0	0	0	0	0	1.919071	0	0	-0.63068	NA	-0.70592	NA	-0.28783	NA
AT1G48605	HAL3B	21.40027	24.97944	28.3284	58.1506	62.93439	60.80729	37.35075	37.76115	32.21612	19.19071	18.62468	18.64632	1.219795	2.25E-05	0.487403	0.160999	-0.36418	0.562251
AT1G48610	AT1G48610	155.7464	133.8185	131.3407	173.627	180.1911	136.5672	110.2736	105.7312	168.906	101.7108	170.2827	126.8806	0.215485	0.445123	-0.12619	0.697196	-0.08826	0.879579
AT1G48620	HON5	768.0319	567.3902	585.8827	548.9251	595.5581	535.3035	499.7886	567.4961	554.5077	510.473	560.0706	544.8868	-0.19471	0.224832	-0.24613	0.133108	-0.25196	0.28611
AT1G48625	AT1G48625	0	0	0	0.662467	0	0	0	0	0	0.995936	0	0	0.098211	NA	0	NA	0.141904	NA
AT1G48630	RACK1B	727.6092	603.0752	652.8408	443.7592	496.8505	504.4014	379.7326	393.7948	616.0112	569.9642	439.0102	636.0466	-0.44696	0.035633	-0.50036	0.012131	-0.26174	0.47064
AT1G48635	PEX3-2	219.9472	240.8732	279.421	299.4137	310.0347	294.068	266.791	311.7992	261.6339	233.1672	247.4421	216.5045	0.284247	0.075533	0.177949	0.329885	-0.08779	0.795239
AT1G48640	AT1G48640	0	0	0	1.237247	0	0	0	0	0	0	0	0	0.198023	NA	0	NA	0.141622	NA
AT1G48650	AT1G48650	708.5868	653.034	646.4025	352.2029	319.9717	450.572	547.8109	634.3873	301.66	530.6232	622.5963	559.3895	-0.81142	0.00043	-0.42137	0.101235	-0.22232	0.612836
AT1G48660	AT1G48660	7.133424	7.136984	3.862963	1.237247	1.324935	1.993682	5.335821	0	0.976246	3.838143	6.65167	4.143626	-1.21715	0.055219	-0.88036	0.205358	-0.20637	NA
AT1G48670	AT1G48670	0	0	0	0	0	0	1.07889	0	0	1.330334	0	0	0.160793	NA	0	NA	0.184979	NA
AT1G48680	AT1G48680	0	0	0	0	0	0.996841	0	0	0	0	0	0	0.15625	NA	0	NA	0	NA
AT1G48690	AT1G48690	1.188904	0	0	1.324935	0.996841	0.889303	0	0	0	0	0	0	0.17145	NA	-0.05963	NA	-0.22738	NA
AT1G48698	AT1G48698	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT1G48700	AT1G48700	1.188904	0	0	0.412416	0	0	0	0	0	0	2.660668	0	-0.14341	NA	-0.21882	NA	0.172343	NA
AT1G48710	AT1G48710	9.511232	10.70548	7.725926	10.31039	13.24935	15.94945	27.56841	15.10446	24.40615	8.635821	6.65167	6.215439	0.389298	0.462859	1.111413	0.01837	-0.2833	NA
AT1G48720	AT1G48720	0	0	0	0	0	0.996841	1.778607	3.23667	0	0.995936	0	0	0.074478	NA	0.741388	NA	0.333072	NA
AT1G48730	AT1G48730	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G48740	AT1G48740	8.322328	0	5.150617	6.186234	6.624673	4.984204	4.446517	5.39445	3.904984	7.676285	3.991002	1.035907	0.226532	0.761038	-0.05406	0.949656	-0.11039	NA
AT1G48742	MIR157D	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G48745	AT1G48745	55.87849	62.44861	48.93086	52.37678	66.24673	47.84836	52.46891	34.52448	49.78855	65.24842	67.84703	66.29802	0.008457	0.981205	-0.25863	0.428069	0.25089	0.612544
AT1G48750	AT1G48750	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G48760	DELTA-ADR	298.4149	201.6198	235.6407	174.8642	209.3397	210.3334	236.5547	231.9613	216.7266	226.4504	234.1388	238.2585	-0.31958	0.079138	-0.11093	0.620272	-0.08375	0.833777
AT1G48770	AT1G48770	41.61164	33.90067	25.75309	39.5919	38.4231	27.91154	38.24005	42.07671	62.47974	34.54328	35.91902	42.47217	-0.07476	0.857582	0.457283	0.205479	0.141402	0.850104
AT1G48780	AT1G48780	42.80054	44.60615	41.20494	36.29257	34.4483	32.89575	35.57214	35.60337	29.28738	39.34066	23.94601	39.36445	-0.28154	0.391637	-0.33123	0.348377	-0.28075	0.62176
AT1G48790	AMSH1	567.1072	499.5889	565.2803	443.3467	386.2184	469.512	557.5933	514.6305	393.4271	518.1492	574.7043	442.3321	-0.32642	0.067862	-0.15381	0.461765	-0.09047	0.807574
AT1G48800	TPS28	0	0	0	1.324935	0	0	0	0	0	0.995936	0	0.1035907	0.222719	NA	0	NA	0.320835	NA
AT1G48810	AT1G48810	2.377808	5.352738	6.438272	7.835896	6.612075	5.981045	4.446517	4.31556	7.809968	10.55489	9.312338	9.323159	0.515002	0.399987	0.157442	0.838224	0.800999	NA
AT1G48820	AT1G48820	756.1429	845.7326	928.3988	890.4052	1004.3	894.1662	699.8818	835.0608	1243.737	939.3854	693.104	1088.738	0.136074	0.611469	0.13072	0.647206	0.102985	0.836955
AT1G48840	AT1G48840	194.9802	221.2465	200.8741	204.1457	206.0273	221.2987	219.658	267.5647	160.1043	191.9071	216.8444	217.5404	0.033649	0.897325	0.068962	0.796401	0.022956	0.96566
AT1G48850	EMB1144	573.0517	583.4485	573.0062	669.3505	683.6652	645.9528	665.199	661.3595	685.3247	675.5131	666.4973	600.8258	0.209229	0.064189	-0.217217	0.066686	0.166589	0.361573
AT1G48860	AT1G48860	507.662	408.5923	408.1864	335.7063	321.2966	331.948	304.1418	346.3237	396.3559	461.5366	409.7429	376.0341	-0.41789	0.008856	-0.33827	0.047845	-0.08764	0.796877
AT1G48870	AT1G48870	15.45575	16.05821	14.1642	13.60971	7.28714	10.96525	17.78607	15.54867	13.4335	21.28534	19.68222	15.82222	-0.43061	0.364484	0.304891	0.55504	0.212014	NA
AT1G48880	TBL7	40.42273	71.36984	41.20494	47.42779	49.68505	40.87047	43.57587	52.86561	66.62227	46.05771	45.23135	45.57989	-0.09667	0.785225	0.032744	0.935278	-0.11638	0.860356
AT1G48890	AT1G48890	0	0	0	0.412416	1.324935	0.996841	0	0	0	0	0	0.1035907	0.515606	NA	0	NA	0.189806	NA
AT1G48900	SRP-54C	584.9407	572.743	544.6778	614.4992	631.9938	611.0634	577.158	575.0483	597.4625	598.7502	748.978	573.8922	0.124718	0.407297	0.039174	0.831868	0.16881	0.467997
AT1G48910	YUC10	1.188904	0	0	0	0	0.889303	1.07889	0	0	0	0	0	-0.26887	NA	0.130815	NA	-0.23129	NA
AT1G48912	AT1G48912	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G48920	NUCL1	3011.494	2647.821	2512.214	2464.183	2524.663	2611.723	2404.677	2659.464	3077.127	2377.729	2373.316	2483.068	-0.10427	0.475838	-0.00591	0.973817	-0.17439	0.411386
AT1G48930	ATGHC91	0	0	1.287654	0.824831	3.12336	0.996841	0.889303	2.15778	3.904984	0	1.330334	0	0.543194	0.427473	0.732377	0.281209	-0.06795	NA
AT1G48940	ENODL6	0	0	0	0	0.996841	0	0	0	0	2.878607	0	0.2071813	0.109283	NA	0	NA	0.733383	NA
AT1G48950	AT1G48950	241.3475	235.5205	225.3395	168.2656	147.0677	194.384												

AT1G49390	AT1G49390	1.188904	0	5.150617	0.824831	0	0	0.889303	0	1.952492	1.919071	2.660668	3.10772	-0.86877	0.186251	-0.46168	0.536646	0.124367	NA
AT1G49400	emb1129	178.3356	119.5445	157.0938	186.8243	216.6268	169.4629	195.6468	121.9146	192.3205	176.5546	178.2648	180.2747	0.313434	0.183292	0.151337	0.587107	0.024582	0.603215
AT1G49405	AT1G49405	8.322328	1.784246	1.287654	4.948897	9.274542	4.984204	2.666791	2.157778	0	0.388143	6.65167	2.071183	0.488425	0.489959	-0.67371	0.356937	0.203347	NA
AT1G49410	TOM6	262.7478	185.5616	258.8185	389.3203	432.5911	298.0554	277.4627	229.8036	451.0256	294.5774	391.1182	341.8492	0.631817	0.013916	0.414092	0.144199	0.508063	0.18801
AT1G49420	AT1G49420	0	0	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	0	NA
AT1G49430	LACS2	362.6157	405.0238	365.6938	294.4647	292.8105	359.8595	290.8022	219.0147	152.2944	418.3575	500.2056	466.1579	-0.25332	0.272947	-0.74813	0.000385	0.281792	0.4308
AT1G49435	LCR16	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0.172362	NA
AT1G49440	AT1G49440	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT1G49450	AT1G49450	35.66712	14.27397	23.17778	12.37247	11.92441	15.94945	16.00746	11.86779	6.833722	23.98839	15.96401	18.64632	-0.80873	0.058111	-0.95464	0.035136	-0.30059	0.71872
AT1G49460	AT1G49460	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G49470	AT1G49470	150.9908	123.113	117.1765	128.2612	92.08295	86.72515	99.60199	96.0212	54.66978	110.3466	121.0604	92.19568	-0.32401	0.250344	-0.6181	0.024828	-0.26843	0.575078
AT1G49475	AT1G49475	9.511232	17.136984	16.73951	9.897974	7.949607	6.977885	8.003731	9.710009	15.61994	6.716749	11.97301	10.35907	-0.3485	0.540296	-0.02335	0.97319	-0.20217	0
AT1G49480	REM19	404.2273	449.63	415.9124	598.8274	637.956	585.1455	585.1617	600.9417	648.2273	428.9124	473.5989	429.9012	0.520833	7.23E-06	0.529363	7.79E-06	0.069901	0.793386
AT1G49490	PEX2	58.25629	58.88012	43.78025	9.897974	15.89921	20.93366	15.11816	28.05114	29.28738	47.01725	35.91902	35.22082	-1.69257	3.14E-07	-1.06559	0.002274	-0.4021	0.498675
AT1G49500	AT1G49500	798.9435	1050.921	1001.795	911.8508	991.7135	779.5295	1137.419	825.3508	1780.673	1121.697	1843.843	1159.179	-0.08263	0.810327	0.375086	0.211739	0.507415	0.209617
AT1G49510	emb1273	342.4043	417.5136	356.6803	277.9681	301.4226	298.0554	344.1604	343.087	354.3773	367.5021	303.3161	458.9066	-0.33849	0.052341	-0.09339	0.670073	0.025687	0.955367
AT1G49520	AT1G49520	76.08985	67.80135	47.64321	44.12847	43.06037	53.8294	72.03358	65.81229	44.90732	38.38143	45.23135	77.69299	-0.42246	0.209152	-0.06039	0.890464	-0.22718	0.719598
AT1G49530	GGPP6	20.21137	23.1952	19.31482	18.14629	18.54908	14.95261	16.00746	29.13003	25.3824	19.19071	18.62468	11.39497	-0.22785	0.622203	-0.154378	0.765992	-0.30488	0.700921
AT1G49540	ELP2	123.646	139.1712	132.6284	115.0639	116.5942	134.5735	125.3918	143.4924	72.2422	123.7801	77.15937	89.08796	-0.10736	0.739601	-0.20249	0.525056	-0.41526	0.3256
AT1G49550	AT1G49550	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G49560	AT1G49560	126.0238	140.9554	130.0531	101.0418	88.10815	87.71299	134.2848	132.7035	110.3158	178.4736	152.9884	160.5655	-0.49232	0.008957	-0.06603	0.798407	0.313035	0.290325
AT1G49570	PER10	0	0	0	0	0	0.996841	0.889303	0	0	0.959536	0	0	0.134166	NA	0.142573	NA	0.15548	NA
AT1G49580	CRK8	266.3145	185.5616	240.7914	155.0683	142.4305	159.4945	136.0634	181.2535	111.292	233.1672	238.1298	244.4739	-0.5947	0.00272	-0.68661	0.000732	0.037466	0.942666
AT1G49590	AT1G49590	184.2801	239.089	168.7099	231.3651	241.8006	213.3239	184.9751	222.2513	255.7765	186.1499	204.8714	205.1095	-0.180459	0.368445	-0.126239	0.576613	-0.02392	0.961407
AT1G49600	RP47A	630.1191	563.8217	509.9111	486.6504	553.1602	489.4488	466.8843	565.3383	657.9898	421.2361	424.3765	481.6965	-0.15399	0.405053	-0.01294	0.955857	-0.35423	0.141234
AT1G49610	AT1G49610	2.377808	0	0	2.062078	0.662467	0.996841	1.778607	2.157778	4.88123	0	5.321336	4.143626	0.104886	0.906631	0.661585	0.364321	0.681323	0
AT1G49620	KRP7	15.45575	14.27397	27.04074	34.64291	40.4105	14.95261	23.12189	28.05114	4.66978	24.94793	31.92802	23.82585	0.581165	0.206451	0.761503	0.10195	0.409453	0.612836
AT1G49630	PREP2	370.938	272.9896	298.7358	161.2545	146.4053	199.3682	217.8794	80.2258	159.1281	264.8318	228.8174	236.1867	-0.88721	1.46E-06	-0.67594	0.000462	-0.3636	0.221141
AT1G49640	CXE3	0	0	1.287654	0.412416	0	0	0.889303	0	0	0	0	0	-0.13688	NA	-0.0534	NA	-0.2182	NA
AT1G49650	CXE4	165.2576	105.2705	122.3272	125.7868	137.1307	113.6398	136.9527	153.2024	224.5366	127.6182	122.3907	124.3088	-0.06765	0.824385	0.363916	0.162905	-0.07831	0.888502
AT1G49660	CXE5	143.8574	160.5821	166.1074	110.5274	82.14594	119.6209	133.3955	99.25787	144.4844	134.335	117.0694	161.6014	-0.57524	0.009354	-0.30341	0.229946	-0.17523	0.687818
AT1G49670	NQR	385.2049	299.7533	372.1321	332.407	339.8457	385.7774	400.1866	402.4259	353.4011	281.1439	244.7815	372.9264	-0.00744	0.976282	0.120977	0.596937	-0.23045	0.471899
AT1G49680	AT1G49680	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G49690	AT1G49690	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G49700	AT1G49700	10.70014	12.48972	5.150617	5.773818	8.612075	5.981045	7.114428	5.39445	10.73871	8.635821	6.65167	4.143626	-0.35537	0.56166	-0.19441	0.784758	-0.3922	NA
AT1G49710	FUT12	179.5245	174.8561	181.5593	263.5336	245.1129	233.2607	201.8179	172.6224	176.7005	133.3755	156.9794	185.4273	0.464491	0.00647	0.040341	0.871033	-0.17134	0.609275
AT1G49715	AT1G49715	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT1G49720	ABF1	208.0582	231.952	191.8605	320.0345	290.1607	350.888	394.8507	453.1338	420.762	178.4736	242.1208	226.8635	0.59619	0.000259	0.992634	2.91E-10	0.033419	0.940532
AT1G49730	AT1G49730	651.5194	708.3457	731.3877	562.1224	565.0846	681.8391	586.9403	557.7861	407.0946	604.5074	701.086	654.6929	-0.20789	0.250238	-0.42188	0.104039	-0.09222	0.793379
AT1G49740	AT1G49740	214.0027	171.2876	166.6827	184.3498	199.4026	193.3871	200.9826	240.5925	262.6102	211.0978	301.9858	212.3608	0.05026	0.845832	0.33061	0.712025	0.366602	0.232885
AT1G49750	AT1G49750	2910.437	1841.342	1904.441	1284.675	1568.06	1060.541	1124.203	950.8636	1327.997	1295.745	1313.529	0	-0.57707	0.001645	-1.01837	1.17E-09	-0.74166	0.000587
AT1G49760	PAB8	1222.193	967.0613	921.9605	546.0382	535.2736	631.0002	649.1915	691.5685	635.5361	765.7094	621.266	879.4846	-0.84979	7.55E-08	-0.64455	8.32E-05	-0.44823	0.045467
AT1G49770	BHLH95	0	0	0	0	0	0	0.889303	0	0	0.995936	0	0	0	NA	0.13694	NA	0.1477196	NA
AT1G49780	PUB26	127.2127	103.4863	72.10864	85.78244	64.92179	78.75042	67.58706	71.20674	104.4583	100.7512	94.45371	89.08796	-0.38053	0.167663	-0.30361	0.318107	-0.08753	0.8849
AT1G49790	AT1G49790	3.566712	7.136984	6.438272	2.062078	3.312336	3.987363	2.66791	4.31556	4.88123	15.35257	1.330334	8.287252	-0.6007	0.369586	-0.33405	0.663788	0.462638	NA
AT1G49800	AT1G49800	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0.063788	0	0	NA
AT1G49810	ATNH02	0	0	0	0	0	0.996841	0.889303	0	0	0	0	0	0.133712	NA	0.142442	NA	0.162658	NA
AT1G49820	MTK	362.6157	381.8287	382.4333	537.7899	512.7497	514.3698	511.3495	499.526	422.7145	334.8779	303.3161	353.2441	0.471149	0.000279	0.344688	0.013569	-0.1781	0.459905
AT1G49830	AT1G49830	5.94452	3.568492	5.150617	13.1973	13.91181	8.971567	11.56095	9.710009	13.66744	5.757214	7.982004	6.215439	1.005042	0.053967	0.931861	0.096432	0.256356	NA
AT1G49832	AT1G49832	5.94452	8.92123	9.01358	10.31039	12.58688	8.971567	8.003731	5.39445	14.64369	10.55489	15.96401	6.215439	0.349944	0.555015	0.193279	0.718337	0.345262	NA
AT1G49840	AT1G49840	141.4796	108.839	121.0935	99.80457	98.04516	104.6683	104.0485	87.39009	87.86214	96.9131	97.11438	108.7702	-0.30262	0.13947	-0.40774	0.056111	-0.28485	0.369941
AT1G49850	AT1G49850	121.2682	114.1917	108.163	164.9662	201.3901	169.4629	171.6356	173.7013	177.6768	109.3871	98.44471	122.237	0.624972	0.00044	0.5909	0.001498	-0.05314	0.910565
AT1G49860	GSTF14	2.377808	1.784246	0	6.186234	2.649869	1.993682	5.358211	5.39445	1.952492	4.97678	2.660668	3.10772	0.7067	0.303308	0.784258	0.271636	0.662764	NA
AT1G49870	AT1G49870	77.27876	57.09587	60.51975	41.24156	43.72284	60.80729	52.46891											

AT1G50360	VIII-A	307.9261	235.5205	242.079	257.3473	222.589	320.9827	340.6032	323.667	211.8454	233.1672	215.5141	206.1454	0.018328	0.951527	0.148979	0.586391	-0.25749	0.512446
AT1G50370	FYPP1	350.7267	349.7122	356.6803	381.4844	407.4174	356.869	389.5149	370.0592	380.7359	301.2942	255.4241	389.5009	0.115845	0.546528	0.107593	0.603764	-0.15273	0.625371
AT1G50380	AT1G50380	244.9142	230.1677	146.7926	223.1168	207.3523	216.3144	214.5221	214.6991	242.109	151.6066	148.9974	198.8941	0.059001	0.824881	0.110023	0.680822	-0.30173	0.389772
AT1G50390	AT1G50390	0	0	0	0.824831	0	0	1.778607	2.15778	2.928738	0.959536	3.991002	0	0.062353	0.935848	0.964713	0.117667	0.688216	NA
AT1G50400	TO4M-0	3.566712	0	1.287654	3.71174	2.649869	3.987363	1.778607	3.23667	5.857476	3.838143	2.660668	1.035907	0.495117	0.495116	0.526261	0.488603	0.223577	NA
AT1G50410	AT1G50410	355.4823	340.791	359.2556	311.3738	336.5334	367.8342	380.6219	393.7948	275.3014	310.8895	294.0038	293.1615	-0.06038	0.773422	-0.094087	0.968201	-0.22398	0.417775
AT1G50420	SCL3	126.0238	90.99655	119.7519	169.0904	172.2415	172.4535	154.7388	153.2024	134.7219	99.79171	81.15037	91.15977	0.579242	0.001468	0.368504	0.071976	-0.30847	0.344724
AT1G50430	DWF5	671.7307	793.9895	677.3062	1226.936	1158.655	1223.124	1029.813	1042.208	974.2935	574.7618	478.9202	593.5744	0.748623	1.74E-10	0.506273	0.394E-05	-0.36776	0.303949
AT1G50440	AT1G50440	296.0371	330.0855	341.2284	408.7038	406.0924	418.6731	433.0908	422.9249	400.2609	262.9128	254.0938	289.0179	0.348666	0.002726	0.375926	0.00499	-0.25523	0.225684
AT1G50450	AT1G50450	436.3277	437.1403	435.2272	318.3848	302.7475	312.0112	403.7438	411.0571	335.8286	529.6637	501.5359	579.0717	-0.48152	0.000235	-0.18372	0.233296	0.297752	0.124352
AT1G50460	HKL1	224.7028	199.8356	231.7778	159.1924	174.2289	212.3271	197.4254	238.4347	251.8715	350.2305	295.3341	326.3106	-0.27926	0.138768	0.05927	0.80873	0.553685	0.012409
AT1G50470	AT1G50470	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G50480	THFS	2143.594	1864.537	1852.935	1300.759	1271.937	1401.558	1647.879	1783.405	1630.331	1779.939	1732.095	1691.635	-0.55889	3.29E-08	-0.21152	0.066107	-0.17143	0.319262
AT1G50490	UBC20	185.469	146.3082	169.9704	269.7198	245.7754	218.3081	186.7537	156.439	187.4392	170.7973	192.8984	203.0377	0.536478	0.001844	0.07157	0.768743	0.160294	0.641169
AT1G50500	VP553	388.7716	374.6917	346.379	346.0167	321.9591	385.7774	393.0721	384.0848	300.6838	352.1496	363.1812	353.2441	-0.07748	0.677848	-0.04134	0.84609	-0.0544	0.879579
AT1G50510	AT1G50510	120.0793	180.2088	166.1074	256.5225	223.9139	217.3113	223.2152	245.9869	165.9618	216.8551	170.2827	185.4273	0.578405	0.005956	0.440892	0.052539	0.300264	0.406932
AT1G50520	CYP705A27	15.45575	35.68492	28.3284	28.86909	27.16116	26.9147	24.9005	20.49891	27.33489	19.19071	9.312338	13.46678	0.102357	0.827942	-0.07562	0.885885	-0.7506	0.214715
AT1G50530	AT1G50530	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G50550	CYP705A26P	2.377808	1.784246	0	0.824831	0	0	1.778607	0	1.952492	1.919071	1.330334	1.035907	-0.56591	0.398457	-0.02555	0.97589	0.038113	NA
AT1G50560	CYP705A25	1.188904	0	2.575309	3.299325	3.312336	1.993682	5.335821	6.47334	5.857476	2.878607	6.65167	5.179533	0.466094	0.515537	1.160239	0.077031	0.936369	NA
AT1G50570	AT1G50570	690.9077	610.2121	655.4161	707.2927	877.7691	707.757	1020.92	813.483	790.7593	584.3572	802.1914	565.605	0.283577	0.135177	0.475399	0.009489	0.053151	0.900529
AT1G50575	AT1G50575	131.9683	128.4657	140.3543	110.9398	128.5187	110.6493	125.3918	124.0723	129.8407	150.6471	145.0064	174.0323	-0.19397	0.334103	-0.08028	0.743158	0.24681	0.481582
AT1G50580	UGT79B5	0	0	0	0	0	0	0	1.07889	0	0	1.330334	0	0	NA	0.160793	NA	0.184979	NA
AT1G50590	AT1G50590	20.21137	35.68492	24.46543	16.08421	18.54908	14.95261	41.79726	24.81447	31.23987	27.82653	41.24035	32.1131	-0.60099	0.113821	0.303931	0.478661	0.324427	0.626348
AT1G50600	SCL5	529.0623	490.6677	444.2407	394.2693	433.2536	473.4994	550.4789	471.4749	449.0732	488.4036	544.1066	466.1579	-0.17332	0.288144	0.007584	0.678187	0.030805	0.935116
AT1G50603	AT1G50603	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G50610	PKR5	2.377808	1.784246	1.287654	0.412416	0.662467	0	0	0	0	0	0	1.035907	-0.67228	NA	-0.92107	NA	-0.66749	NA
AT1G50620	AT1G50620	17.5694	148.0924	186.7099	119.6005	119.2441	136.5672	139.6206	131.6246	76.14719	206.3002	183.5861	156.4219	-0.54929	0.022405	-0.65097	0.008306	-0.02232	0.973085
AT1G50630	AT1G50630	97.49012	89.2123	84.98519	44.5088	36.4357	40.87047	60.47264	58.26006	59.55101	112.2657	121.0604	94.26749	-1.10989	3E-09	-0.58851	0.012791	0.257196	0.50728
AT1G50640	ERF3	309.115	265.8527	267.8321	335.7063	388.2058	347.8974	394.8507	312.8781	493.9805	285.9416	365.8418	283.8384	0.3351	0.099198	0.497931	0.012758	0.140253	0.721302
AT1G50650	AT1G50650	1.188904	0	0	0	0	0	0	0	0	0	1.330334	0	-0.22006	NA	-0.20393	NA	0.001199	NA
AT1G50659	AT1G50659	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G50660	AT1G50660	759.7096	665.5238	670.8679	508.5084	462.4022	593.1203	461.5485	582.6006	352.4248	692.7847	667.8277	601.8617	-0.41635	0.028049	-0.57483	0.002244	-0.03932	0.817029
AT1G50670	AT1G50670	380.4493	383.6129	493.1716	463.9675	573.0342	444.591	463.3271	416.4515	591.6051	475.9297	589.3379	557.3177	0.220463	0.262607	0.230773	0.316383	0.35631	0.217892
AT1G50680	AT1G50680	1.188904	0	0	0	0	0	0	1.07889	0	0	0	0	-0.2127	NA	-0.02202	NA	-0.1938	NA
AT1G50690	AT1G50690	0	0	0	0	0	0.996841	0	0	0	0	0	0	0.15625	NA	0	NA	0	NA
AT1G50691	AT1G50691	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G50700	CPK33	74.90095	64.23286	45.0679	59.80026	70.22153	74.76306	74.70149	69.04896	60.52725	53.734	34.58868	51.79533	0.134521	0.676303	0.143721	0.677429	-0.35812	0.457541
AT1G50710	AT1G50710	131.9683	164.1506	175.121	223.9417	214.6394	214.3204	202.7612	207.1469	160.1043	167.9187	152.9884	198.8941	0.466675	0.01216	0.272402	0.200827	0.146734	0.697022
AT1G50720	AT1G50720	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G50730	AT1G50730	307.9261	376.4759	303.8864	316.3227	314.672	376.8058	472.2201	432.6349	260.6577	345.4328	344.5565	372.9264	0.028078	0.923269	0.235115	0.348178	0.105951	0.821978
AT1G50732	AT1G50732	130.7794	183.7773	166.1074	128.6737	129.1811	85.72831	144.0672	91.70564	172.7955	277.3058	400.4305	339.7773	-0.44664	0.101442	-0.21504	0.498978	1.041856	0.000377
AT1G50735	SADHU8-1	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT1G50740	FAX5	76.08985	96.34929	63.09506	288.6909	266.3118	263.166	187.643	186.648	230.3941	72.92471	102.4357	74.58527	1.768714	2.29E-20	1.768715	1.69E-11	0.083438	0.874312
AT1G50750	AT1G50750	8.322328	7.136984	6.438272	14.43455	8.612075	23.92418	22.23259	19.42002	22.45366	5.757214	11.97301	5.179533	0.842396	0.095973	1.271301	0.010291	-0.0084	NA
AT1G50760	AT1G50760	0	0	0.824831	0	0	0.889303	1.07889	0	0.889303	1.07889	0	1.330334	0.150119	NA	0.321758	NA	0.194127	NA
AT1G50770	AT1G50770	1.188904	3.568492	3.862963	1.649662	0.662467	0.996841	0.889303	0	0	2.878607	2.660668	2.071813	-0.61262	0.390094	-1.03988	0.12556	-0.05288	NA
AT1G50780	AT1G50780	0	0	1.287654	1.649662	1.987402	0.996841	2.66791	0	3.904984	0.995936	0	0	0.491389	0.472998	0.701778	0.298125	-0.08796	NA
AT1G50790	AT1G50790	34.47821	17.84246	27.04074	16.90904	15.89921	14.95261	12.45025	16.18335	14.64369	22.69332	27.93701	34.18492	-0.68301	0.074219	-0.81733	0.04595	0.049051	0.960514
AT1G50800	AT1G50800	0	0	0	0	0	0	0.889303	0	0	0	0	0	0.160764	NA	0	NA	0	NA
AT1G50810	AT1G50810	32.10041	35.68492	30.9037	15.25938	13.91181	16.94629	10.67164	21.5778	15.61994	23.98839	23.94601	29.00538	-1.00705	0.003998	-0.95771	0.011113	-0.319	0.630253
AT1G50820	AT1G50820	2.377808	0	0	0	0	0	1.778607	0	0.976246	3.838143	1.330334	1.035907	-0.58706	0.344957	0.039407	0.960849	0.488181	NA
AT1G50830	AT1G50830	10.70014	3.568492	1.287654	4.536571	6.624673	4.984204	1.778607	3.23667	4.88123	0	3.991002	6.215439	0.026084	0.975421	-0.42132	0.584832	-0.40244	NA
AT1G50840	POLIA	517.1732	490.6677	433.9395	251.5735	266.9743	297.0586	381.5112	406.7415	326.0662	404.924	399.1002	438.1885	-0.81742	3.01E-09				

AT1G51320	FBX11	0	0	0	0.412416	0.662467	0	0	0	0	0	0	0	0	0.196313	NA	0	NA	0	NA
AT1G51330	AT1G51330	0	0	0	0.824831	0.662467	0	0	0	0	0	0	0	0	0.256538	NA	0	NA	0	NA
AT1G51340	MATE	92.73451	105.2705	119.7519	100.6294	102.6824	105.6651	112.0522	122.9935	95.67211	118.9824	97.11438	90.12387	-0.04067	0.882306	0.056127	0.847412	-0.04532	0.933182	
AT1G51350	AT1G51350	212.8138	174.8561	180.2716	182.2877	182.841	182.4219	269.459	224.4091	165.9618	156.4043	105.0964	163.6732	-0.05499	0.847177	0.207468	0.431138	-0.39908	0.255187	
AT1G51355	AT1G51355	5.94452	5.352738	16.73951	8.248311	7.949607	8.971567	10.67164	8.786214	6.163121	17.29434	9.323159		-0.15793	0.809439	-0.24383	0.722681	0.47334	NA	
AT1G51360	ATDABB1	93.92341	89.2123	103.0123	84.13278	96.05775	90.71251	117.3881	89.54786	138.6269	118.9824	146.3367	71.47755	-0.08203	0.809299	0.259222	0.411063	0.212939	0.681704	
AT1G51370	AT1G51370	54.68958	82.07532	72.10864	57.32576	64.92179	83.73463	80.92662	94.94231	63.45599	50.85539	51.88302	61.11849	-0.02476	0.945917	0.201057	0.535389	-0.31611	0.5164	
AT1G51380	RH34	16.64466	17.84246	21.89012	24.33252	23.84882	14.95261	13.33955	20.49891	7.809968	33.58375	18.62468	31.83490	-0.169816	0.737519	-0.39248	0.44223	0.549413	0.425722	
AT1G51390	NIFU5	116.5126	98.13353	142.9296	174.4518	163.6294	151.5198	156.5174	128.3879	195.2492	86.35821	99.77505	142.9551	0.432481	0.082181	0.402599	0.128401	-0.12255	0.820434	
AT1G51400	AT1G51400	323.3819	260.4999	316.763	184.3498	183.5034	90.71251	144.9565	114.3623	274.3251	271.5486	352.5385	540.7432	-0.85242	0.042503	-0.66418	0.141974	0.328303	0.679803	
AT1G51402	AT1G51402	3.566712	8.92123	3.862963	2.474493	2.649869	0	1.778607	1.07889	0	4.797678	10.64267	9.323159	-0.90303	0.167502	-1.22685	0.06482	0.502459	NA	
AT1G51405	AT1G51405	10.70014	16.05821	36.05432	23.9201	19.87402	28.90838	22.23259	36.68226	41.97858	20.15025	38.57969	32.1131	0.159206	0.76154	0.586698	0.208618	0.44201	0.561211	
AT1G51410	AT1G51410	0	0	0	0	0.996841	0	0	0.976246	0.959536	0	0	0	0.133527	NA	0.150897	NA	0.155289	NA	
AT1G51420	SP1	0	1.784246	0	0.824831	0.662467	0	0.889303	2.15778	0.976246	3.838143	3.991002	1.035907	-0.07612	0.926218	0.362321	0.633398	0.932652	NA	
AT1G51430	AT1G51430	250.8587	256.9314	267.8321	191.7732	213.9769	174.4471	201.8719	156.439	169.8668	277.3056	393.7789	330.4542	-0.40634	0.027632	-0.53877	0.004039	0.356672	0.188754	
AT1G51440	AT1G51440	135.535	82.07532	124.9025	39.17948	45.71024	28.90838	32.90423	17.26224	36.1211	156.4043	176.9344	128.4524	-1.50284	1.02E-08	-1.86649	1.57E-11	0.399783	0.358583	
AT1G51450	TRO	74.90095	73.15409	59.2321	56.50093	57.63465	61.80413	64.91915	80.91675	64.43224	71.96517	71.83803	61.11849	-0.23284	0.377147	0.018667	0.956455	-0.01462	0.983695	
AT1G51460	ABCJ13	70.14533	78.50663	88.84815	112.177	107.3197	120.6137	68.47637	78.75897	46.85981	73.88424	61.19536	81.83662	0.500602	0.035098	-0.28182	0.326479	-0.11657	0.833449	
AT1G51470	TG65	0	0	0	0	0	0	0.889303	0	0	0	0	0	0.137906	NA	0.137906	NA	0.155338	NA	
AT1G51480	AT1G51480	5.94452	5.352738	2.575309	1.649662	3.974804	2.990522	4.446517	3.23667	3.904984	6.716749	6.65167	2.071813	-0.48482	0.486622	-0.1558	0.852209	0.110929	NA	
AT1G51490	TG66	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA	
AT1G51500	ABCJ12	1905.813	2274.914	2097.589	1290.861	1339.509	1526.163	1485.137	1466.211	1031.892	2086.03	2417.217	2053.167	-0.58494	0.00268	-0.64412	6.45E-05	0.061762	0.870405	
AT1G51510	Y14	359.049	301.5376	320.6259	414.8901	471.6767	370.8248	397.5187	393.7948	597.4625	316.6468	375.1542	419.5421	0.347175	0.101354	0.485268	0.020948	0.171073	0.661496	
AT1G51520	AT1G51520	36.85602	44.60615	30.9037	49.48987	39.74804	44.85784	61.36194	56.10228	35.14486	30.70514	38.57969	39.36445	0.260273	0.456814	0.431295	0.214198	-0.03734	0.965527	
AT1G51530	AT1G51530	1.188904	0	2.575309	0.824831	0.662467	0.889303	1.07889	0.976246	0.959536	2.660668	4.143626		-1.94862	0.855509	-0.17425	0.837096	0.446456	NA	
AT1G51538	AT1G51538	7.133424	1.784246	2.575309	4.124156	3.974804	4.984204	3.552124	2.15778	1.952492	5.757214	3.991002	7.251346	0.067897	0.933854	-0.39584	0.60484	0.357098	NA	
AT1G51540	AT1G51540	134.3461	149.8767	127.4778	148.0572	126.5312	143.5451	136.9527	140.2557	109.3396	172.7164	131.7031	100.5242	0.029333	0.912123	-0.08311	0.758125	0.08919	0.845503	
AT1G51550	AT1G51550	110.5681	123.113	110.7383	108.4653	94.07035	131.583	95.15547	116.5201	104.4583	94.03449	89.13238	98.41112	-0.0488	0.853652	-0.11789	0.658434	-0.27384	0.454015	
AT1G51560	AT1G51560	364.9935	358.6335	310.3247	280.855	322.6216	282.1005	345.9391	327.9825	359.2585	321.4444	381.8058	352.2082	-0.21921	0.15446	0.000996	0.996207	0.027179	0.943038	
AT1G51570	AT1G51570	1171.07	920.671	932.2617	594.2908	497.5129	629.0065	627.8483	735.8029	512.5291	656.3224	611.9536	794.5403	-0.79824	4.71E-06	-0.67587	0.000168	-0.54037	0.021612	
AT1G51580	AT1G51580	197.3581	187.3458	166.1074	98.56732	86.78321	112.643	94.26617	115.4412	103.4821	188.069	200.8804	154.3501	-0.87447	1.53E-06	-0.79766	2.81E-05	-0.02204	0.96566	
AT1G51590	MNS1	269.8812	223.0308	261.3938	328.6952	260.3496	323.9733	282.7953	279.4325	245.0377	225.4909	156.9794	250.6894	0.264436	0.204323	0.090678	0.724643	-0.24357	0.481893	
AT1G51600	GATA28	104.6235	135.6027	122.3272	153.831	121.2315	128.5925	114.7201	126.2301	140.5794	118.0229	127.7121	100.4829	0.170316	0.464991	0.080458	0.77236	-0.05911	0.905938	
AT1G51610	MTPC4	218.7583	264.0684	266.5444	297.3516	368.3318	367.8342	462.4378	448.8182	380.7359	231.2481	207.5321	303.5262	0.452156	0.016748	0.07718	2.11E-05	-0.00671	0.990348	
AT1G51620	AT1G51620	4.755616	3.568492	3.862963	55.26369	57.63465	42.86415	28.45771	24.81447	36.1211	5.757214	2.660668	2.071813	0.305883	3.17E-13	2.27686	2.55E-07	-0.17568	0.887443	
AT1G51630	AT1G51630	450.5946	440.7088	475.1445	363.7505	355.7449	339.9227	371.7289	308.5625	339.7336	410.6812	385.7969	447.5116	-0.36161	0.005963	-0.41595	0.00208	-0.13307	0.591092	
AT1G51640	ATEX070G2	4.755616	8.92123	7.725926	10.31039	13.24935	9.774276	8.893035	24.81447	9.76246	3.838143	6.65167	8.827525	0.464853	0.436371	0.681321	0.158663	-0.13263	NA	
AT1G51645	AT1G51645	0	0	0	0	0	0	0	0	0	0.959536	0	0	0	NA	0	NA	0.332992	NA	
AT1G51650	AT1G51650	601.5854	531.7053	654.1284	842.1526	1057.96	636.9813	650.9701	463.9227	1126.588	626.5768	631.9086	655.7288	0.48068	0.091534	0.309864	0.328559	0.092972	0.882721	
AT1G51660	MKK4	112.2682	114.1917	136.4914	211.1568	208.6772	234.2576	259.6766	312.8781	267.4914	92.11542	79.82004	132.596	-0.784934	4.58E-05	1.139838	1.39E-09	-0.27611	0.454232	
AT1G51670	AT1G51670	5.94452	5.352738	9.01358	5.361402	6.624673	7.974726	5.358211	5.39445	6.833722	7.676285	7.982004	8.287252	-0.06684	0.925714	-0.17422	0.813807	-0.173105	NA	
AT1G51680	4CL1	940.423	797.558	802.2087	635.12	720.1019	630.0034	653.6381	663.5173	657.0136	819.4434	864.7171	800.7557	-0.35449	0.003012	-0.36292	0.003194	-0.03489	0.903861	
AT1G51690	PPZAB1	845.3107	949.2189	808.6469	770.3923	751.2379	897.1567	871.5174	824.2719	610.1537	877.9751	909.9484	811.1148	-0.10445	0.585632	-0.17008	0.371502	-0.00099	0.998089	
AT1G51700	DOF1.7	190.2246	205.1883	206.0247	346.8415	347.7953	356.869	364.6114	309.6414	397.3321	242.7625	264.7365	202.1008	0.793221	2.46E-07	0.822211	1.32E-07	-0.23119	0.417306	
AT1G51710	UBP6	601.5854	658.3868	700.484	712.6541	671.0793	773.5484	803.9033	868.5064	765.8259	657.2819	629.248	657.8006	0.135384	0.355317	0.275992	0.047122	-0.01029	0.978296	
AT1G51720	AT1G51720	349.5378	342.5752	320.6259	363.3381	333.221	345.9038	401.9652	414.2937	364.1398	345.4328	357.8598	371.8904	0.043741	0.973719	0.218546	0.132074	0.085331	0.757175	
AT1G51730	AT1G51730	321.0041	365.7704	374.7074	514.2822	480.2888	465.5246	387.7363	380.8481	462.7406	315.6872	341.8958	343.921	0.459966	0.000837	0.214232	0.181755	-0.08149	0.791931	
AT1G51740	SPY81	82.0347	103.4863	103.0123	148.4696	151.705	161.882	113.8308	148.8868	138.6269	117.0633	103.766	112.9138	0.666036	0.000642	0.467536	0.025755	0.21627	0.563333	
AT1G51745	AT1G51745	175.9578	167.7191	118.4642	100.217	105.9948	111.6462	124.5025	135.9401	123.9822	149.6867	158.3097	145.0269	-0.53082	0.005345	-0.25707	0.243973	-0.02635	0.959789	
AT1G51750	AT1G51750	1.188904	0	0	0.824831	0	0	0.889303	1.07889	0	0	0	0	-0.05422	NA	0.118304	NA	-0.22925	NA	
AT1G51760	ILA	252.0476	253.3629	276.8457	726.2638	710.8274	833.3589	1201.449	1215.909	1393.103	2									

AT1G52200	PCR8	64.20081	85.64381	101.7247	429.737	508.7749	446.5847	408.1903	368.9804	442.2394	44.13864	66.5167	62.15439	2.402533	1.16E-38	2.222031	1.15E-32	-0.52659	0.117989
AT1G52210	AT1G52210	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G52211	AT1G52211	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT1G52220	CURT1C	3590.49	3941.399	4090.878	2288.906	2710.154	2042.527	2414.459	2104.914	3275.305	5897.306	7243.668	4837.683	-0.70376	0.000304	-0.56118	0.005781	0.613115	0.015211
AT1G52230	PSAHE	5781.64	7297.566	7268.809	4727.52	4519.352	3768.058	3745.754	3161.148	4348.2	8368.11	9780.615	8948.161	-0.63308	0.25E-05	-0.89399	1.75E-05	0.406466	0.068149
AT1G52240	ATOPGEF11	140.2907	142.7397	109.4506	104.7536	129.8436	87.72199	70.25498	52.86561	70.28971	159.2829	160.9704	132.596	-0.26264	0.52E-05	-0.97401	4.55E-05	0.023679	0.621716
AT1G52260	PDIL1-5	84.41218	105.2705	117.1765	106.4032	119.9066	106.662	112.0522	116.5201	116.1733	126.6587	117.0694	124.3088	0.11994	0.607396	0.168395	0.487098	0.263967	0.441239
AT1G52270	AT1G52270	14.26685	12.48972	14.1642	8.660727	10.59948	6.977885	14.02557	10.73871	13.4335	19.95501	16.5745		-0.54883	0.256609	-0.15876	0.793251	0.233431	NA
AT1G52280	RABG3D	292.4704	289.0479	347.6667	362.5133	395.493	368.8311	284.5771	289.1425	426.6195	351.19	404.4215	392.6086	0.270011	0.168795	0.102023	0.668838	0.295196	0.318972
AT1G52290	PERK15	349.5378	376.4759	378.5704	404.8722	399.4678	491.4425	160.0746	159.6757	107.3871	297.456	276.7095	245.5098	0.264769	0.147101	-1.33886	2.51E-15	-0.42026	0.090185
AT1G52300	RPL37B	876.2222	904.6127	947.7136	1351.898	1226.889	987.8692	647.4129	775.7219	1651.808	853.9867	772.924	1260.698	0.364863	0.257714	0.162324	0.667658	0.077367	0.914481
AT1G52310	AT1G52310	322.193	371.1232	329.6395	472.6282	451.8027	472.5025	393.9614	426.1615	268.4676	321.4444	329.9228	334.5978	0.444424	0.01142	0.090515	0.694403	-0.0489	0.909915
AT1G52315	AT1G52315	15.45575	33.90067	33.47901	75.05963	83.47088	72.76938	75.5908	65.81229	65.40848	17.27164	11.97301	29.00538	1.420029	1.74E-06	1.262124	4.36E-05	-0.40857	0.516773
AT1G52320	AT1G52320	255.6143	324.7328	242.079	214.4561	196.0903	245.2228	279.2413	311.7992	254.8002	244.6816	287.3521	226.8635	-0.31707	0.087916	0.047295	0.848492	-0.10919	0.77103
AT1G52325	AT1G52325	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G52330	AT1G52330	1.188904	3.568492	1.287654	0.412416	0	0	0.889303	0	0	1.919071	0	1.035907	-0.88377	0.141966	-0.71986	0.254246	-0.31893	NA
AT1G52340	ABA2	229.4585	281.9109	251.0926	203.7333	188.1407	162.485	102.2699	111.1257	140.5794	280.1844	305.9768	235.1508	-0.43525	0.02015	-1.07474	4.22E-09	0.10828	0.781311
AT1G52342	AT1G52342	82.03437	87.42806	90.1358	146.8199	129.1811	105.6651	154.7388	107.889	223.5603	199.5834	333.9138	111.8779	0.511928	0.15937	0.831598	0.018502	1.204369	0.003176
AT1G52343	AT1G52343	0	0	1.287654	0.412416	1.987402	1.993682	0.889303	2.15778	0.972862	0	1.330334	0	0.449748	0.504601	0.400985	0.569149	-0.05849	NA
AT1G52347	AT1G52347	47.55616	62.44861	34.76667	59.80026	94.73282	72.76938	72.03358	59.33895	126.8882	58.53167	77.15937	75.62118	0.611355	0.071518	0.794474	0.019512	0.512934	0.3382
AT1G52350	AT1G52350	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G52360	AT1G52360	1157.992	1074.116	994.0692	786.0641	783.6988	868.2483	824.3843	1017.393	812.2367	935.5472	886.0024	883.6283	-0.40189	0.001915	-0.28002	0.045249	-0.25119	0.212567
AT1G52370	AT1G52370	154.5575	151.6609	149.3679	177.7511	187.4782	172.4535	157.4067	162.9124	201.1067	149.6876	133.0334	157.4578	0.235815	0.207358	0.190034	0.361279	-0.04439	0.920734
AT1G52380	NUP50A	452.9724	458.5512	442.9531	463.9675	483.6011	481.4741	501.5672	486.5794	536.9353	436.5887	526.8123	434.4048	0.075951	0.621584	0.170409	0.245883	0.040622	0.894522
AT1G52390	AT1G52390	0	0	0	0	0.662467	0	0	0	0.972246	0	1.330334	2.071813	0.078632	NA	0.154802	NA	0.521344	NA
AT1G52400	BGLU1B	4196.831	3770.112	4349.696	3347.99	3044.7	3820.891	7738.719	8266.455	6686.309	6319.502	5144.401	4732.221	-0.26685	0.100008	0.867803	1.98E-09	0.388799	0.06548
AT1G52410	TSA1	936.8563	560.2533	758.4284	697.8072	829.409	893.1693	2049.845	2107.072	2257.081	1210.934	1254.505	944.7468	0.092758	0.699993	1.467737	1.38E-16	0.576974	0.019897
AT1G52415	AT1G52415	0	0	1.287654	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT1G52420	AT1G52420	662.2195	601.2909	533.0889	616.1489	586.2835	625.0192	635.852	650.5706	550.6207	517.1897	498.8752	539.7073	0.023222	0.895625	0.030858	0.868041	-0.205	0.345352
AT1G52430	AT1G52430	8.322328	5.352733	11.58889	13.1973	11.26194	16.94629	13.39955	15.10446	5.874746	7.676285	5.321336	8.287252	0.55021	0.30359	0.323789	0.60554	-0.20713	NA
AT1G52440	AT1G52440	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	0	0	NA
AT1G52450	AT1G52450	24.96698	16.05821	32.19136	25.15735	21.19895	21.9305	38.24005	28.05114	18.54867	18.23118	19.95501	10.35907	-0.10367	0.834406	0.176549	0.728446	-0.55488	0.417642
AT1G52460	AT1G52460	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G52470	AT1G52470	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT1G52490	AT1G52490	0	0	0	0	0	0	1.778607	0	0	0	0	0	0	NA	0.248756	NA	0	NA
AT1G52500	FGP1	114.1348	98.13353	113.3136	103.5163	115.2693	108.6556	87.15174	79.83786	104.4583	103.6298	94.45371	111.8779	-0.00251	0.992905	-0.26159	0.265766	-0.07245	0.879283
AT1G52510	AT1G52510	1010.568	1143.702	1068.753	376.9478	355.7449	451.5689	633.1841	634.3873	637.4886	1242.599	1223.907	1144.677	-1.43542	1.15E-36	-0.7492	1.27E-10	0.164545	0.430293
AT1G52520	FRS6	80.84547	73.15409	106.8753	81.65828	87.44568	109.6525	87.15174	108.9679	73.21845	72.92471	91.79304	80.80071	0.068797	0.825697	0.031804	0.927543	-0.09962	0.816223
AT1G52530	AT1G52530	19.02246	10.70548	25.75309	13.1973	19.87402	11.96209	12.45025	15.10446	17.57243	19.19071	15.96401	14.28308	-0.28849	0.551802	-0.29273	0.518182	-0.21927	0.861267
AT1G52540	AT1G52540	135.535	164.1506	140.3547	167.0283	201.3901	189.3997	142.8868	149.9657	205.0117	146.809	158.3097	147.0987	0.337714	0.098069	0.179367	0.455015	0.403953	0.931292
AT1G52550	AT1G52550	30.9115	32.11643	39.13238	33.81808	39.74804	29.90522	43.57587	23.73558	42.95482	34.54328	53.21336	36.25673	0.009377	0.983352	0.097877	0.830375	0.230138	0.730364
AT1G52560	HSP26.5	2.377808	1.784246	1.287654	5.361402	1.987402	2.990522	4.446517	2.15778	2.928738	1.919071	2.660668	2.071813	0.537752	0.45303	0.417624	0.594758	0.103016	NA
AT1G52565	AT1G52565	26.15589	23.1952	16.73951	33.81808	39.74804	28.90838	39.12935	18.34113	36.1211	30.70514	31.92802	34.18492	0.583127	0.115856	0.463339	0.26162	0.495735	0.419797
AT1G52570	PLDALPHA2	16.5589	19.62671	37.34198	40.00431	31.13596	40.87047	55.13682	42.07671	35.14486	38.38143	29.93701	29.00538	0.37136	0.307559	0.620975	0.903453	0.165777	0.828866
AT1G52580	ATRB15	2.377808	1.784246	1.287654	2.886909	3.132336	0.996841	8.003731	5.39445	1.954292	1.919071	0	2.071813	0.205679	0.7983	0.862803	0.222392	-0.17397	NA
AT1G52590	AT1G52590	123.646	160.5821	125.4222	165.1832	349.7827	203.3555	478.4453	336.6137	541.8165	245.6411	327.2622	251.7253	0.770012	0.002105	1.468882	5.76E-10	0.774219	0.016973
AT1G52600	AT1G52600	148.613	198.0513	186.7099	556.3486	496.8505	443.5941	337.9353	313.957	433.4532	212.0574	207.5321	228.9353	1.467865	5.46E-18	1.009026	1.18E-08	0.282549	0.372832
AT1G52610	AT1G52610	1.188904	0	0	0	0	0	0	0	0.976246	0	0	0	-0.21061	NA	-0.03092	NA	-0.19245	NA
AT1G52615	AT1G52615	2.377808	0	1.287654	0	0.662467	0	0.889303	1.07889	0	3.838143	1.330334	1.035907	-0.63475	0.328049	-0.3024	0.684082	0.320026	NA
AT1G52618	AT1G52618	10.70014	12.48972	7.725926	25.98218	25.83622	23.92418	8.893035	21.5778	49.78855	21.10978	14.63367	14.50269	1.05372	0.032149	1.114468	0.028276	0.554476	0.53238
AT1G52620	AT1G52620	52.31177	51.74313	38.62963	40.82914	35.77323	44.85784	64.6284	49.6289	23.4299	38.38143	39.91002	40.40035	-0.21911	0.53242	-0.38289	0.282609	-0.24461	0.686718
AT1G52630	AT1G52630	135.535	115.976	164.8198	130.3233	117.9192	144.5419	112.9415	114.3623	118.1258	123.7801	148.9974	125.3447	-0.09815	0.675957	-0.27307	0.222392	-0.0795	0.860402
AT1G52640	AT1G52640	11.88904	17.84246	10.30123	14.43455	13.24935	14.95261	22.23259											

AT1G53050	AT1G53050	410.1719	326.517	346.379	244.5624	175.5538	301.0459	282.7985	295.6158	175.7243	284.9821	266.0668	301.4488	-0.57265	0.015141	-0.50603	0.041743	-0.33429	0.393436
AT1G53060	AT1G53060	10.70014	8.92123	20.60247	12.37247	12.58688	17.94313	15.11836	19.42002	20.50117	23.02886	27.93701	15.5386	0.014814	0.979871	0.360939	0.48878	0.596145	0.404721
AT1G53070	AT1G53070	60.6341	37.46917	55.36914	60.62509	52.33491	46.85152	47.13308	39.91893	45.88356	78.68192	78.4897	48.6871	0.047852	0.898915	-0.21517	0.550345	0.376083	0.439841
AT1G53080	AT1G53080	0	3.568492	1.287654	0	0.662467	0.996841	3.557214	1.07889	0	1.919071	1.330334	3.10772	-0.50866	0.468155	0.050444	0.95327	0.242206	NA
AT1G53090	SPA4	297.226	272.9896	287.1469	201.6712	161.642	216.3144	197.4254	184.4902	131.7932	257.1555	296.6645	289.0179	-0.55719	0.002507	-0.72724	0.000107	-0.02767	0.956388
AT1G53100	AT1G53100	11.88904	10.70548	12.87654	15.25938	13.24935	18.93997	45.35448	50.70783	34.16861	6.716749	15.96401	12.43088	0.315906	0.515391	-0.178373	0.1441-05	-0.06378	0.957274
AT1G53110	PP14	135.535	139.1712	147.3679	181.4629	208.6772	176.4408	220.5473	208.2258	180.6055	31.4564	119.7301	131.5601	0.411082	0.019208	0.053252	0.009399	-0.14174	0.696012
AT1G53120	AT1G53120	158.1242	208.7568	179.6963	213.6313	148.3927	193.3871	208.9863	175.8591	157.1756	176.5546	203.5411	229.9712	0.003846	0.890689	0.002291	0.009326	0.166125	0.686826
AT1G53130	GRI	0	0	0	0	0	0	0	0	0	0.995936	0	0	0	NA	0	NA	0.171512	NA
AT1G53140	DRP5A	66.57862	60.66437	61.80741	65.57408	70.22153	80.7441	60.47264	80.91675	41.97858	63.32935	63.85603	59.04667	0.173045	0.572225	-0.05193	0.890168	-0.02548	0.972905
AT1G53160	SPL4	180.7134	174.8561	184.1346	180.2256	180.1911	119.6209	169.857	126.2301	205.9879	168.8783	191.5681	202.0018	-0.15305	0.559846	-0.09951	0.737207	-0.055396	0.920201
AT1G53163	AT1G53163	4.755616	0	2.575309	2.474493	0.662467	1.993682	1.778607	1.07889	0	4.797678	1.330334	5.179533	-0.29564	0.705745	-0.59835	0.425362	0.334977	NA
AT1G53165	MAP4K ALPH	224.7028	189.1301	193.1482	175.2766	206.0273	194.384	201.8719	248.1447	175.7243	168.8783	234.1388	188.535	-0.08213	0.73527	0.036418	0.894642	-0.0474	0.922046
AT1G53170	ERF8	38.04493	44.60615	33.47901	42.06639	49.68505	42.86415	50.6903	56.10228	75.17094	34.54328	23.94601	29.00538	0.212547	0.533284	0.626919	0.041824	-0.35286	0.53053
AT1G53180	AT1G53180	38.04493	24.97944	27.04074	18.97112	17.22415	20.93366	21.34328	20.49891	18.54867	30.70514	23.94601	31.0772	-0.63318	0.072987	-0.54534	0.16332	-0.07153	0.93422
AT1G53190	AT1G53190	168.8244	173.0719	139.0667	124.9617	120.569	127.5956	143.1779	125.1512	148.3894	142.0113	176.9344	148.1346	-0.35567	0.055432	-0.19556	0.365491	-0.04399	0.922598
AT1G53200	AT1G53200	98.67903	105.2705	106.8753	111.7646	129.1811	120.6177	119.1667	145.6501	127.8882	87.31774	75.82904	82.87252	0.210971	0.325411	0.328332	0.127861	-0.31991	0.339925
AT1G53210	AT1G53210	2513.3423	2398.0227	2303.6114	1537.898	1568.06	1826.212	1995.597	2273.221	2101.858	2147.441	2100.597	1868.775	-0.54584	1.58E-06	-0.17838	0.182288	-0.23631	0.189424
AT1G53220	AT1G53220	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0.160764	NA
AT1G53230	TCP3	48.74506	51.74313	46.35556	82.48311	104.6698	88.71883	84.48383	69.04896	148.3894	32.62421	51.88302	35.22082	0.854517	0.005184	0.979607	0.001521	-0.28532	0.645681
AT1G53233	AT1G53233	2.377808	3.568492	2.575309	7.42348	3.974804	6.977885	5.477224	6.47334	4.88123	2.838143	3.991002	4.143626	0.75588	0.231182	0.685226	0.316324	0.289892	NA
AT1G53240	mMDH1	2528.799	1993.003	2058.959	1285.912	1481.277	1412.523	1266.368	1387.452	1430.2	3.148363	1886.414	1843.914	-0.64917	4.59E-07	-0.68158	1.37E-07	-0.16279	0.496205
AT1G53250	AT1G53250	181.9023	137.3869	160.9568	134.0351	126.5312	116.6304	158.296	127.309	174.748	160.2424	247.4421	223.7558	-0.34097	0.134176	-0.06508	0.827088	0.369626	0.272328
AT1G53260	AT1G53260	2.377808	0	1.287654	0.412416	1.324935	0	2.66791	1.07889	0.976246	2.878607	5.321336	5.179533	-0.46242	0.528403	0.09585	0.912962	0.932603	NA
AT1G53265	AT1G53265	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT1G53270	ABC10	8.323228	7.136984	0	14.84696	8.612075	13.95577	12.45025	14.02557	11.71495	5.757214	5.321336	3.10772	0.997539	0.067935	1.00403	0.080929	-0.09155	NA
AT1G53280	DJ18	330.5153	312.2431	372.1321	531.1913	492.8757	520.3509	393.9614	483.3427	493.0042	419.3171	367.1722	355.3159	0.594253	0.312E-05	0.421765	0.005796	-0.162254	0.547995
AT1G53282	AT1G53282	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G53285	AT1G53285	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G53290	B3GAL114	190.2246	169.5034	167.3951	127.024	159.6546	126.5988	143.1779	142.4135	157.1756	190.9476	179.5951	168.8528	-0.3473	0.055709	-0.24967	0.219378	0.030163	0.949258
AT1G53300	TTL1	408.983	374.6917	315.4753	197.5471	172.2415	245.2228	248.1157	265.4069	119.1002	387.6524	340.5655	307.6642	-0.80464	0.001607	-0.76178	0.003775	-0.08109	0.894009
AT1G53310	PPC1	1457.596	1234.698	1212.97	1258.692	1185.816	1447.413	1163.209	1360.48	904.0038	1061.246	1154.73	1042.122	-0.00665	0.977079	-0.18603	0.344632	-0.25797	0.343797
AT1G53320	TULP7	423.2498	380.0444	403.0358	461.9054	501.4877	542.2814	618.0659	520.025	516.4341	413.5599	508.1876	413.3267	0.308601	0.043704	0.447696	0.003027	0.137399	0.629487
AT1G53325	AT1G53325	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G53330	AT1G53330	15.45575	23.1952	14.1642	11.54764	17.88662	20.93366	27.56841	25.89336	18.54867	18.23118	11.97301	10.35907	-0.07661	0.889124	0.429534	0.375549	-0.28894	0.743017
AT1G53340	AT1G53340	7.133424	1.784246	1.287654	19.38353	16.56168	31.8989	14.22886	12.94668	15.61994	5.757214	3.991002	3.10772	0.2017954	4.68E-05	1.440041	0.00747	0.113438	NA
AT1G53345	AT1G53345	33.28931	23.1952	30.9037	27.63184	27.82367	37.87995	26.6791	17.26224	25.63822	25.90746	19.95501	4.40035	0.051439	0.912514	-0.31292	0.477538	-0.01994	0.984933
AT1G53350	RPP8L2	175.9578	158.7979	146.7926	146.4075	109.9696	190.3966	139.6206	194.2002	154.2469	142.9708	155.6491	149.1705	-0.11648	0.67123	0.014371	0.964264	-0.10428	0.838515
AT1G53360	AT1G53360	0	0	0	0	0	0	0.889303	0	0	0.995936	0	2.071813	0	NA	0.154578	NA	0.500732	NA
AT1G53366	AT1G53366	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G53370	AT1G53370	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT1G53380	AT1G53380	243.7253	244.4417	267.8321	218.1678	232.526	230.2702	225.8831	203.9102	234.299	234.1267	247.4421	234.1149	-0.1533	0.337416	-0.18413	0.274841	-0.08134	0.794731
AT1G53390	ABC24	426.8165	438.9245	368.2691	372.4113	339.1832	488.452	410.5299	502.7627	289.9451	338.7161	328.5925	306.6283	-0.04185	0.882343	-0.02241	0.941887	-0.33	0.340957
AT1G53400	AT1G53400	322.193	408.5923	350.242	421.4887	469.6893	405.7142	421.8582	335.5348	543.769	406.8431	432.3585	421.6184	0.262059	0.190965	-0.254911	0.2929477	0.220795	0.507006
AT1G53410	AT1G53410	5.94452	3.568492	7.72526	70.11065	7.949607	2.990522	7.114428	3.23667	4.88123	5.757214	2.660668	6.215439	0.067054	0.930896	-0.13789	0.863360	-0.1659	NA
AT1G53420	AT1G53420	0	0	0	1.237247	1.324935	0.996841	0.889303	2.15778	0.976246	0	1.330334	1.035907	0.633527	0.315387	0.662139	0.304405	0.377158	NA
AT1G53430	AT1G53430	650.3305	692.2875	593.6087	678.836	604.1702	936.0335	1306.387	1402.557	964.531	536.3804	529.4729	590.4667	0.189568	0.394633	0.902403	1.35E-06	-0.21814	0.539974
AT1G53440	AT1G53440	619.419	538.8243	551.1161	440.4598	290.8231	583.1515	610.9515	770.3274	311.4225	476.8892	439.0102	499.3069	-0.3606	0.252505	-0.01425	0.97237	-0.25733	0.637513
AT1G53450	AT1G53450	175.9578	162.3664	167.3951	152.5938	115.9318	146.5356	294.3595	207.1469	196.2254	215.8955	218.1748	170.9246	-0.27832	0.23105	0.452057	0.043586	-0.247198	0.5164
AT1G53460	AT1G53460	152.1797	174.8561	166.1074	151.3565	156.3423	128.5925	152.0709	167.2279	211.8454	136.2541	146.3367	138.8115	-0.15989	0.457932	0.108943	0.651463	-0.2187	0.525695
AT1G53470	MSL4	9.511232	17.84266	6.438272	15.67179	15.23675	23.92418	13.12562	26.65699	14.64369	13.4335	13.30334	9.323159	0.067064	0.209676	0.291782	0.0504395	0.114888	0.924232
AT1G53480	MRD1	33.28931	23.1952	30.9037	34.23049	37.70663	29.90522	32.01493	23.73558	47.36097	30.70514	18.62468	27.96948	0.190314	0.683137	0.435018	0.327043		

AT1G53885	AT1G53885	41.61164	49.95889	52.79383	84.54519	99.37009	96.69356	198.3147	143.4924	273.3489	115.1443	114.4087	78.7289	0.894673	0.001318	1.987674	1.57E-14	1.026502	0.002892
AT1G53887	AT1G53887	23.77808	23.1952	24.46543	21.85803	16.56166	14.95261	17.78607	19.42002	21.47741	18.23118	22.61568	25.89766	-0.35056	0.392652	-0.25981	0.576267	-0.0938	0.918783
AT1G53890	AT1G53890	60.6341	103.4863	95.28642	62.06639	52.99738	65.79136	114.7201	88.46897	109.3396	146.809	212.8534	179.2118	-0.67066	0.011972	0.273969	0.374096	1.0227	0.000558
AT1G53900	AT1G53900	149.8019	171.2876	169.9704	120.4253	135.8058	135.5703	108.495	101.4157	98.60085	167.9187	179.5951	179.2118	-0.32284	0.066803	-0.65015	0.000229	0.103068	0.774608
AT1G53903	AT1G53903	43.98945	49.95889	41.20494	86.19486	76.18374	96.69356	176.9714	131.6246	259.6814	101.7108	114.4087	82.87252	0.875900	0.00199	1.969088	6.42E-14	1.073847	0.00481
AT1G53910	RAFP-12	1355.35	1325.695	1273.49	1304.47	1510.425	1435.451	1434.447	1459.738	1494.633	1191.743	1363.592	1321.693	0.14919	0.412012	0.14919	0.412012	-0.06382	0.784009
AT1G53920	GLIP5	47.55616	44.60615	47.64321	114.6515	94.73282	81.74094	42.68657	52.86561	40.02609	34.54328	34.58868	55.93895	1.023491	0.000101	-0.05185	0.899271	-0.14944	0.816067
AT1G53930	AT1G53930	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G53935	AT1G53935	0	0	0	0.412416	0	0	0	0	0.972646	0	0	0	0.065752	NA	0.143461	NA	0	NA
AT1G53940	GLIP2	0	0	1.287654	0.412416	0	0	0	1.778607	0	0	0	0	-0.16228	NA	0.084854	NA	-0.04083	NA
AT1G53950	AT1G53950	0	0	0	0	0	0	0	1.778607	0	0	0	0	0	NA	0.248756	NA	0	NA
AT1G53970	AT1G53970	0	0	0	0	0	0	0	0	0	0	0.959536	0	0	0	0	NA	0	0.171512
AT1G53980	AT1G53980	0	0	0	1.237247	1.324935	0	1.778607	1.07889	4.88123	0	0	0	0.463152	0.46647	1.09248	0.062376	0	NA
AT1G53990	GLIP3	0	0	0	0.824831	3.312336	0	5.35821	7.55223	9.76246	0	0	0	0.618264	0.368147	2.107145	0.00048	0	NA
AT1G54000	GLL22	20.21137	7.136984	23.17778	39.5919	34.4483	25.91786	41.79726	51.78672	40.02609	21.10978	14.63367	16.5745	0.855955	0.020641	1.216895	0.000836	-0.00328	0.997319
AT1G54010	GLL23	76.08985	42.8219	45.0679	282.0923	259.6872	288.087	275.6841	210.3835	247.9665	47.97678	55.87403	63.1903	2.23184	1.18E-26	2.060002	2.42E-22	-0.00946	0.990348
AT1G54020	AT1G54020	45.17835	42.8219	48.93086	81.24587	88.77061	74.76306	163.6318	121.9146	144.4844	78.68192	45.23135	49.72351	0.791985	0.002291	1.577034	9.62E-11	0.330175	0.498675
AT1G54030	MVP1	400.6608	458.5512	411.6177	586.6764	565.7471	622.0286	570.5721	669.9907	621.8687	369.4212	396.4395	340.8132	0.479974	0.000294	0.682889	1.01E-07	-0.19421	0.490921
AT1G54035	AT1G54035	0	0	0	0	0	0	0.889303	0	0	0.959536	0	0	0	0	0.13694	NA	0	0.147196
AT1G54040	ESP	267.5034	342.5752	314.1877	109.2901	78.83361	109.6525	96.93408	127.309	151.3181	404.924	385.7969	333.5619	-1.58398	1.34E-16	-1.26065	1.35E-10	0.280853	0.404134
AT1G54050	HSP17.4B	68.95643	39.25341	66.95803	42.06639	58.95959	35.88627	43.57587	51.78672	71.26596	91.15588	95.78405	93.23159	-0.35253	0.265608	-0.09349	0.815165	0.620398	0.133267
AT1G54060	ASIL1	317.4374	315.8115	334.7901	306.8372	312.0221	304.0364	294.3595	283.7481	390.4984	310.8895	309.9678	321.131	-0.06833	0.724453	0.000517	0.998157	-0.03924	0.920201
AT1G54070	AT1G54070	0	0	0	0	0	0	0	0	0.972646	0	0	0	0	0	0	NA	0	0
AT1G54080	UBP1A	1337.517	1084.822	1098.369	999.6954	1085.121	1015.781	1037.817	1078.89	1042.631	1231.084	1395.52	1147.784	-0.18362	0.188391	-0.15684	0.296224	0.095896	0.71064
AT1G54090	ATEX070D2	362.6157	351.4965	301.3111	284.5667	348.4578	346.9006	412.6368	359.2703	317.2799	285.9416	264.7365	384.3213	-0.05344	0.827506	-0.050504	0.680414	-0.11292	0.777884
AT1G54095	AT1G54095	0	1.784246	0	0.824831	0	1.993682	0.889303	1.07889	0.972646	0.959536	0	0	0.193502	NA	0.232459	NA	-0.06964	NA
AT1G54100	ALDH7B4	848.8774	1056.274	923.2482	880.0948	839.346	1140.386	1148.98	1290.352	1030.916	1043.975	988.4381	892.9514	0.01501	0.947857	0.291866	0.101077	0.049991	0.897035
AT1G54110	AT1G54110	73.71204	73.15409	96.57408	122.4874	139.1181	96.69356	138.7313	103.5734	106.4108	112.2657	138.3547	103.5907	0.539991	0.023564	0.496233	0.050882	0.507507	0.15159
AT1G54115	CCX4	240.1586	248.0102	238.2161	236.7265	196.0903	274.312	224.105	280.5114	214.7741	195.7451	166.2917	216.5045	-0.0423	0.862179	-0.01464	0.956731	-0.31487	0.300033
AT1G54120	AT1G54120	19.02246	8.92123	9.01358	9.897974	8.612075	2.990522	5.572714	8.079968	6.716749	15.96401	11.39497	0	-0.58049	0.380808	-0.8961	0.125605	-0.13442	NA
AT1G54130	RSH3	1377.94	1432.75	1250.312	734.9246	720.7644	853.2957	955.1119	918.1353	778.0681	1042.056	1144.087	1091.845	-0.80768	3.57E-11	-0.60721	1.39E-06	-0.30543	0.099471
AT1G54140	TA9	123.646	108.839	118.4642	151.7689	168.2667	146.5356	137.842	143.4924	158.1519	125.6992	188.9074	124.3088	0.395499	0.061984	0.390006	0.186673	0.295004	0.403554
AT1G54150	AT1G54150	103.4346	142.7397	115.8889	121.8064	208.6772	191.3934	184.0588	190.9635	183.5342	121.861	131.7031	130.5242	0.767915	3.57E-06	0.629616	0.000335	0.097729	0.806013
AT1G54160	NFYA5	35.66712	33.90067	32.19136	36.70499	34.4483	41.86731	51.5796	36.68226	41.00233	31.66468	31.92802	31.0772	0.128985	0.724453	0.331719	0.344184	-0.10011	0.890915
AT1G54170	CID3	303.1705	374.6917	289.7222	396.7438	341.1706	383.7837	411.7475	358.1915	219.6553	318.5658	347.2172	277.6229	0.211063	0.399285	0.036072	0.908283	-0.0328	0.95645
AT1G54180	BRXL3	57.06739	48.17464	70.82099	57.73818	60.94699	60.80729	56.02612	43.1556	32.21612	42.21957	42.57069	64.2262	0.014589	0.969564	-0.40423	0.220164	-0.23342	0.681077
AT1G54200	AT1G54200	80.84547	71.36984	66.95803	41.24156	43.06037	38.87679	39.12935	49.62894	62.47974	64.28889	71.83803	64.2262	-0.79584	0.001238	-0.52002	0.056527	-0.13135	0.807821
AT1G54210	ATG12A	54.68958	85.64381	93.99877	194.2477	243.788	161.4882	187.643	106.8101	221.6078	96.9131	79.82004	104.6266	1.28866	3.18E-06	1.081593	0.00016	0.255405	0.654642
AT1G54215	AT1G54215	0	1.784246	0	0.824831	0	1.07889	0.972646	0.959536	0.959536	1.035907	0	0	-0.15457	NA	0.073684	NA	0.451956	NA
AT1G54217	AT1G54217	16.64466	17.84246	10.30123	33.81808	27.16116	20.93366	33.79533	19.42002	30.26363	30.70514	21.28534	18.64632	0.804058	0.046628	0.80719	0.059158	0.588392	0.3848
AT1G54220	AT1G54220	202.1137	139.1712	215.0383	139.3965	155.0173	176.4408	158.296	170.4646	200.1304	167.9187	147.6671	189.5709	-0.25553	0.251821	-0.08367	0.761088	-0.14364	0.732207
AT1G54230	AT1G54230	1.188904	0	0	0.412416	0.662467	0	0	1.07889	0	0	0	0	-0.00734	NA	-0.03759	NA	-0.23414	NA
AT1G54240	AT1G54240	0	0	0	0.662467	0	0.889303	0	0.959536	0	0.959536	0	0	0.100335	NA	0.144523	NA	0.157063	NA
AT1G54250	NRPB8A	30.9115	30.33218	38.62963	76.29688	56.97219	44.85784	65.80846	39.91893	84.9334	30.70514	35.91902	43.50807	0.784047	0.020245	0.85915	0.013308	0.118405	0.883453
AT1G54260	AT1G54260	166.4466	187.3458	160.9568	191.3608	185.4908	171.4566	234.7761	176.938	162.0568	179.4332	184.9164	164.7091	0.099334	0.660594	0.162369	0.47577	0.042614	0.928402
AT1G54270	TIFA-2	1451.652	1093.743	1157.601	1021.553	1122.915	1113.471	1108.961	1044.365	1029.94	1115.94	1189.319	1021.404	-0.14235	0.379309	-0.21743	0.176306	-0.15565	0.50652
AT1G54280	ALA6	0	0	0	0.412416	0.662467	0	1.778607	3.23667	0.972646	0.959536	0	1.035907	0.140712	NA	0.94833	NA	0.363391	NA
AT1G54290	AT1G54290	78.46766	76.72258	72.10864	108.0529	89.43308	86.72515	129.8383	118.6779	162.0568	108.4275	147.6671	94.26749	0.318156	0.218185	0.822347	0.000461	0.588719	0.078722
AT1G54300	AT1G54300	0	1.784246	0	0	0	0.889303	0	0.972646	0	0	0	0	-0.31542	NA	0.08696	NA	-0.27406	NA
AT1G54310	AT1G54310	183.0912	231.952	178.984	303.20592	101.3575	81.74094	116.4988	127.309	134.7219	169.8378	148.9974	139.8474	-1.06017	1.53E-09	-0.62632	0.000819	-0.35179	0.218552
AT1G54320	AUIS3	529.0623	599.5067	597.4716	821.5318	819.472	743.6432	684.7637	725.014	673.6009	499.9181	492.2236	479.6247	0.467983	2.39E-05	0.271384	0.026744	-0.22495	0.220828
AT1G54330	ANAC02	3.566712	0	6.483272	2.474493	3.312336	0.996841	2.66791	1.07889	2.928738	3.88143	5.321336	2.071813	-0.34265	0.659203	-0.36079	0.652897	0.041833	NA
AT1G54340	ICDH	267.5034	246.226	267.8321	298.5889	270.2866	315.9985	296.1381	321.5092	270.4201									

AT1G54850	ACD22.3	92.73451	89.2123	92.71111	136.922	173.5664	122.6114	126.2811	100.3368	169.8668	106.5085	111.7481	88.05205	0.634349	0.00798	0.508966	0.048477	0.145084	0.781064
AT1G54860	AT1G54860	0	0	0	0	0	0	0	0	0	0.959536	0	0	0	NA	0	NA	0.171512	NA
AT1G54870	AT1G54870	0	0	0	0	0.662467	0	1.778607	1.07889	0	0	0	0	0.096984	NA	0.46458	NA	0	NA
AT1G54880	AT1G54880	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G54890	AT1G54890	0	0	1.287654	1.649662	1.324935	3.987363	3.557214	4.31556	0.976246	0	0	0	0.744731	0.264387	0.949719	0.156048	-0.30249	NA
AT1G54905	AT1G54905	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G54920	AT1G54920	699.0755	640.5443	744.2642	478.8145	406.7549	543.2782	594.0547	667.8329	353.4011	653.4438	643.8816	664.0161	-0.5311	0.012916	-0.35811	0.125238	-0.08565	0.860432
AT1G54923	AT1G54923	1.188904	0	0	0	0.824831	0	0.996841	0	0	0	0	0.1035907	0.111991	NA	-0.24381	NA	-0.03469	NA
AT1G54926	AT1G54926	0	0	1.287654	0.824831	0.662467	0.996841	1.778607	1.07889	0	0.959536	0	0	0.195399	NA	0.255363	NA	-0.07101	NA
AT1G54930	AT1G54930	8.322328	7.136984	10.30123	5.773818	8.612075	1.993682	2.66791	6.47334	2.928738	8.635821	7.982004	11.39497	-0.46066	0.45708	-0.81591	0.192558	0.100683	NA
AT1G54940	GUX4	0	0	0	0	0	0	0	0	0	0.959536	0	1.035907	0	NA	0	NA	0.332992	NA
AT1G54950	AT1G54950	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G54955	AT1G54955	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G54960	ANP2	55.87849	28.54794	37.34198	35.46774	28.48609	22.92734	42.68657	24.81447	29.28738	42.21957	39.91002	37.29264	-0.44814	0.208467	-0.32074	0.42538	-0.04913	0.956548
AT1G54970	PRP1	1.188904	0	0	0	0	0	0.889303	0	0	0	0	0	-0.20902	NA	-0.03919	NA	-0.19148	NA
AT1G54980	AT1G54980	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G54985	AT1G54985	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT1G54990	AKR4	347.16	314.0273	310.3247	344.7794	321.9591	364.8437	362.8358	411.0571	382.6884	263.8723	222.1658	342.8851	0.081552	0.699239	0.244318	0.205238	-0.22128	0.465103
AT1G55000	AT1G55000	594.452	613.7806	700.484	634.2952	722.0893	639.9718	801.2624	690.4896	681.4197	752.2759	685.122	618.4362	0.063241	0.719366	0.185011	0.250307	0.105549	0.708157
AT1G55010	PDF1.5	0	1.784246	1.287654	2.062078	3.312336	3.987363	0	1.952492	1.919071	0	0	0	0.762872	0.252039	-0.16564	0.839311	-0.13452	NA
AT1G55020	LOX1	217.5694	173.0719	166.1074	147.6448	162.9669	175.444	146.7351	137.019	109.3396	223.5718	215.5141	210.289	-0.20589	0.308218	-0.49548	0.010555	0.212239	0.516773
AT1G55030	AT1G55030	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT1G55035	AT1G55035	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0.172362	NA
AT1G55040	AT1G55040	76.08985	51.74313	42.49259	51.55195	43.06037	69.77885	54.24751	48.55005	56.62227	41.26003	45.23135	48.68761	-0.07718	0.834406	-0.09884	0.803639	-0.32603	0.543028
AT1G55045	AT1G55045	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G55050	AT1G55050	19.02246	14.27397	10.30123	15.67179	14.57428	19.93682	16.00746	12.94668	10.73871	11.51443	14.63367	12.43088	0.156853	0.766843	-0.12012	0.841514	-0.16986	NA
AT1G55060	UBQ12	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT1G55070	AT1G55070	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G55080	MED9	105.8125	98.13353	109.4506	174.4518	198.7402	152.5166	239.2226	194.2002	155.2231	126.6587	222.1658	114.9856	0.710361	0.006757	0.864888	0.000981	0.523838	0.192619
AT1G55090	W7N2.4	422.0609	408.5923	460.9803	285.804	243.1255	314.0048	305.0311	400.2682	207.9404	395.3287	296.6645	429.9012	-0.59729	0.009099	-0.48522	0.046046	-0.19445	0.656323
AT1G55100	AT1G55100	0	0	0	0.412416	1.324935	0	0.889303	0.77889	0	0	0	0	0.339074	NA	1.07889	0	0.343169	NA
AT1G55110	IDD7	225.8917	221.2465	220.1889	389.3203	321.9591	382.7869	476.6667	477.9482	303.6125	201.5025	195.5591	189.5709	0.695424	0.00024	0.892162	1.9E-06	-0.18142	0.633551
AT1G55120	CWINV3	107.0014	114.1917	130.0531	90.73143	82.80841	103.6714	57.80473	58.26006	44.90732	69.08657	57.20436	74.58527	-0.33855	0.131466	-1.08711	7.53E-07	-0.77116	0.005405
AT1G55130	TWN6	255.6143	208.7568	207.3123	192.5981	194.7654	226.2829	216.99	198.5157	166.9381	214.936	156.9794	197.8581	-0.13803	0.523779	-0.20453	0.354083	-0.22943	0.490228
AT1G55140	AT1G55140	227.0807	267.6369	287.1469	250.7487	258.3622	250.207	277.4627	249.2236	290.9213	348.3114	344.5565	352.2082	-0.03833	0.840399	0.068478	0.726948	0.416973	0.029417
AT1G55150	RH20	143.8574	169.5034	149.3679	180.2526	180.8536	190.3966	160.0764	144.5713	134.7219	122.8206	101.1054	126.3806	0.254753	0.164743	-0.06313	0.795064	-0.37624	0.168465
AT1G55152	AT1G55152	85.60108	114.1917	73.3963	70.7510	74.2348	92.74542	91.70935	123.6132	124.0723	156.1994	109.3871	114.4087	0.407097	0.813575	0.892162	0.019153	0.183334	0.694266
AT1G55160	AT1G55160	179.5245	180.2088	207.3123	190.9484	196.0903	158.4977	170.7463	146.729	274.3251	157.3638	204.8714	214.4327	-0.05077	0.871744	0.059205	0.859351	0.019842	0.976969
AT1G55170	FLX13	53.50068	46.3904	47.64321	68.46099	62.27192	59.81045	73.81219	55.02339	67.36097	32.62421	35.91902	58.01077	0.353612	0.230933	0.389823	0.211798	-0.2109	0.715123
AT1G55175	AT1G55175	2.377808	1.784246	3.862963	2.474493	0.662467	0.996841	4.446517	1.07889	0.972646	0	1.330334	0	-0.40609	0.586879	-0.12508	0.887024	-0.89139	NA
AT1G55180	PLDEP510	96.30122	90.99655	86.27284	77.70137	72.8174	78.75042	90.70896	99.25787	81.02842	86.35821	87.80204	96.33931	-0.24623	0.283503	-0.06312	0.956731	-0.01616	0.978871
AT1G55190	PRA1F2	67.76752	60.66437	55.36914	71.76031	94.07035	62.80097	70.25498	52.86561	102.5058	69.08657	55.87403	45.57989	0.300702	0.355717	0.279715	0.427683	-0.10087	0.885047
AT1G55200	AT1G55200	68.95643	58.88012	57.94445	47.01538	43.06037	51.83572	51.5796	48.55005	37.09735	88.27728	91.79304	80.80071	-0.38913	0.134786	-0.42314	0.133027	0.465283	0.208475
AT1G55205	AT1G55205	10.70014	10.70548	11.58889	15.25938	19.21155	10.96525	9.782338	9.710009	13.66744	9.593536	3.991002	5.179533	0.426349	0.414941	0.006384	0.992532	-0.60873	NA
AT1G55207	AT1G55207	0	0	1.287654	0	0.662467	0.996841	0	0	0	0	0	0	0.065692	NA	-0.23746	NA	-0.22999	NA
AT1G55210	DIR20	133.1572	114.1917	131.3407	536.1402	503.4751	353.8785	388.6256	383.0059	493.9805	159.2829	156.9794	150.2064	1.827528	1.7E-22	1.685206	5.92E-19	0.281845	0.44489
AT1G55220	AT1G55220	0	0	0	0	0.996841	0	0	0	0	0	0	0	0.15625	NA	0	NA	0	NA
AT1G55221	AT1G55221	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT1G55230	AT1G55230	0	0	1.287654	0.412416	1.987402	0.996841	2.66791	2.15778	4.88123	0	0	0	0.291415	0.690079	1.072932	0.09545	-0.30161	NA
AT1G55240	AT1G55240	0	0	0	2.474493	3.974804	1.993682	0.889303	2.15778	0.972646	0	0	0	1.278331	0.032406	0.645867	0.331182	0	NA
AT1G55250	HUB2	348.3489	360.4177	309.037	350.1408	333.221	336.9322	377.0642	417.5304	282.1351	325.2826	279.3701	289.0179	0.008633	0.977208	0.080936	0.718032	-0.17962	0.567279
AT1G55260	AT1G55260	309.115	339.0067	403.0358	349.7284	365.6819	358.8627	317.4813	281.5903	341.6861	498.9585	615.9446	487.912	0.029701	0.890198	-0.15665	0.422074	0.595541	0.001634
AT1G55265	AT1G55265	84.41218	58.88012	61.80741	77.53413	39.72022	46.85152	50.6903	50.70783	44.90732	87.31774	105.0964	44.54398	0.106027	0.801502	-0.45716	0.230945	0.178595	0.800416
AT1G55270	AT1G55270	205.6804	249.7944	222.7642	179.8132	157.6672	183.4187	183.1965	165.0702	153.2706	203.4126	175.6041	204.0736	-0.36793	0.028479	-0.41835	0.017137	-0.20204	0.498267
AT1G55280	AT1G55280	82.03437	137.3869	117.1765	85.78244	78.83361	90.71251	121.8346	107.889	103.4821	107.468	98.44471	109.8061	-0.37187	0.101028	0.006962	0.981884	-0.06736	0.896269
AT1G55290	F6'H2	1.188904	0	0	0.662467	0	1.778607	0	0	0.959536	0	1.035907	0	-0.14147	NA	0.090959	NA	1.12315	NA
AT1G55300	TA7	70.14533	58.88012	84.98519	89.94918	82.14594	69.77885	64.02985	76.60119	99.57709	83.4796	61.19536	75.62118	0.167573	0.573062				

AT1G55680	AT1G55680	655.0861	676.2292	654.1284	703.9934	689.6284	671.8707	708.7749	786.5108	667.7523	615.0623	615.9446	622.5798	0.059132	0.664853	0.122682	0.352884	-0.09721	0.65505
AT1G55690	SFH13	260.37	231.952	306.4617	144.3454	134.4809	186.4092	179.6393	194.2002	122.0307	251.3983	251.4331	272.4434	-0.77187	0.000124	-0.67312	0.001345	-0.04514	0.931292
AT1G55700	AT1G55700	0	0	0	0.412416	0	0	0.889303	1.07889	0	0	0	0	0.058291	NA	0.343513	NA	0.183181	NA
AT1G55710	AT1G55710	0	1.784246	0	0.412416	0	0.996841	0	0	0	0	0	0	-0.01331	NA	-0.28675	NA	-0.07088	NA
AT1G55720	ATXAK6	2.377808	3.568492	0	2.886909	1.987402	4.984204	0.889303	4.31556	2.928738	0	1.330334	2.071813	0.416176	0.577214	0.244944	0.772224	-0.30418	NA
AT1G55730	CAX5	147.4241	148.0924	121.0395	198.3719	224.5764	199.3682	211.5114	193.1213	151.3181	120.9015	119.7301	131.5601	0.569742	0.002251	0.420413	0.03873	-0.15404	0.695023
AT1G55740	RF51	16.64466	10.70548	12.87654	13.1973	10.59948	11.96209	9.282338	7.55223	4.88123	17.27164	7.982004	14.50269	-0.14987	0.794869	-0.7127	0.184186	-0.00392	NA
AT1G55750	TFB1-1	147.4241	155.2294	135.2037	151.3565	162.9669	166.4724	208.9937	172.6224	112.2683	150.6471	119.7301	146.0269	0.130517	0.630227	0.170069	0.543695	-0.06226	0.911082
AT1G55760	AT1G55760	73.71204	64.23286	69.53333	47.01538	37.09817	45.85468	58.69403	45.31338	54.66978	54.69353	45.23135	64.2262	-0.65027	0.010195	-0.37088	0.199218	-0.31966	0.480369
AT1G55770	AT1G55770	1.188904	3.568492	0	0.412416	0	0.1778607	0	0.928738	2.878607	0	0	0	-0.69063	0.292501	0.06005	0.943691	0.326562	NA
AT1G55790	AT1G55790	0	1.784246	0	21.44561	14.57428	12.95893	26.6791	17.26224	33.19236	0.995936	1.330334	0	2.652585	7.71E-07	3.201412	1.55E-09	-0.03263	NA
AT1G55800	AT1G55800	4.755616	10.70548	5.150617	7.42348	7.949607	5.981045	8.003731	5.39445	2.928738	9.595356	11.97301	5.179533	0.090956	0.890131	-0.19661	0.794095	0.322195	NA
AT1G55805	BOLA1	183.0912	167.7191	195.7235	204.9705	255.0499	197.3745	205.4291	159.6757	315.3275	242.7625	328.5925	243.438	0.253564	0.358198	0.301695	0.288234	0.547148	0.123878
AT1G55810	UK13	254.4254	289.0479	278.1333	176.9263	162.3045	175.444	273.9055	263.2491	216.7266	323.3635	288.6825	263.1202	-0.65954	2.29E-05	-0.11775	0.557307	0.094916	0.779875
AT1G55820	AT1G55820	54.68958	14.03769	11.50617	59.38784	42.39791	61.80413	65.80846	87.39009	41.00233	15.81492	38.57969	42.47127	0.127766	0.742064	0.358829	0.319462	-0.14229	0.844696
AT1G55830	AT1G55830	116.5126	139.1712	140.3543	131.5606	151.0425	162.485	177.8607	133.7824	126.912	158.3234	167.6221	140.8833	0.159453	0.495596	0.151823	0.547784	0.233072	0.524771
AT1G55840	AT1G55840	703.8311	811.8319	830.5371	854.1127	1004.963	1079.579	1134.751	1034.655	906.9325	838.6341	927.2428	800.7557	0.318848	0.035702	0.386951	0.011335	0.127786	0.654738
AT1G55850	C5LE1	278.2035	283.6951	276.8457	473.0407	508.7749	549.2593	939.9938	1016.314	1072.894	169.8378	200.8804	161.6014	0.853263	6.34E-11	1.832217	1.67E-48	-0.65134	0.000188
AT1G55860	UPL1	2061.559	1493.414	1194.943	700.2816	583.3327	895.163	976.5512	1255.828	616.9875	1194.622	1120.141	1169.538	-1.0763	1.43E-05	-0.70572	0.007403	-0.42781	0.296514
AT1G55870	PARN	129.5905	139.1712	132.6284	112.5895	100.0326	114.6367	107.6057	101.4157	82.00466	94.03449	146.3367	117.0574	-0.28424	0.207358	-0.44613	0.050975	-0.17155	0.680588
AT1G55880	AT1G55880	109.3792	18.91335	115.8889	132.3854	128.5187	133.5767	120.9453	116.5201	110.3158	111.3061	75.82904	107.7343	0.272702	0.195192	0.095675	0.71823	-0.12254	0.777614
AT1G55890	AT1G55890	260.37	253.3629	226.6272	210.3131	210.6646	225.286	208.097	193.1213	217.3964	216.8551	215.5141	224.7917	-0.19477	0.291772	-0.13409	0.519652	-0.16748	0.595873
AT1G55900	TIM50	129.5905	85.64381	132.6284	156.3055	155.6798	154.5103	129.8383	127.309	123.9832	130.4968	174.2738	126.3806	0.393763	0.059496	0.108787	0.685831	0.2724	0.445334
AT1G55910	ZIP11	181.9023	187.3458	157.0938	317.56	383.5686	297.0586	225.8831	158.5968	206.9642	156.4043	145.0064	132.9356	0.908598	3.94E-07	0.170523	0.470529	-0.26724	0.433225
AT1G55915	AT1G55915	24.96698	14.03769	28.3284	39.5919	53.65985	40.87047	27.56841	26.97225	24.40615	22.06932	17.29434	129.5357	0.886367	0.000822	0.167665	0.720004	-0.04813	0.960974
AT1G55920	SAT1	328.1375	333.654	288.4346	271.7819	289.4982	283.1028	276.5734	192.0424	225.5128	370.3808	381.8058	285.9102	-0.16622	0.413025	-0.43813	0.020032	0.125062	0.72919
AT1G55928	AT1G55928	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0	NA
AT1G55930	CBSDFUCH2	184.2801	215.8938	142.9296	135.6847	132.4935	156.504	160.9639	199.5946	178.653	165.0401	183.5861	204.0736	-0.34373	0.090258	-0.00259	0.992532	0.033809	0.948017
AT1G55940	CYP708A1	3.566712	10.70548	20.60247	28.86909	27.82363	28.90838	16.89677	26.97225	11.47741	18.23118	41.24035	18.07432	1.094842	0.014018	0.798866	0.139072	0.94678	0.15612
AT1G55950	AT1G55950	1.188904	0	1.287654	2.474493	3.312336	0.996841	3.557214	0	6.833722	0	2.660668	1.035907	0.492488	0.496336	0.797619	0.258438	0.075093	NA
AT1G55960	AT1G55960	699.0755	747.5991	687.6074	400.0431	381.5811	380.7932	338.8246	332.2981	240.1565	750.3569	989.7685	773.8222	-0.85885	4.52E-08	-1.20355	1.83E-14	0.23136	0.403727
AT1G55964	AT1G55964	4.755616	3.568492	1.287654	3.299325	5.962205	1.993682	2.66791	1.07889	4.88123	3.838143	0	0	0.174577	0.830654	-0.07147	0.936471	-0.54923	NA
AT1G55970	HAC04	210.436	178.4246	162.2444	80.00862	62.93439	86.7515	104.9378	125.1512	59.5101	140.0922	184.9164	170.9246	-1.2427	5.5E-07	-0.892	0.000447	-0.15061	0.77538
AT1G55980	AT1G55980	87.97889	89.91778	106.1288	78.35896	88.29712	70.7757	92.48756	73.36452	93.71962	105.5489	123.7211	112.9138	-0.48705	0.029433	-0.17678	0.51626	0.201457	0.624674
AT1G55990	AT1G55990	1.188904	0	1.287654	2.886909	2.649869	0	2.66791	2.15778	1.952492	9.595356	3.991002	2.071813	0.363341	0.631322	0.4569	0.555223	1.192966	NA
AT1G56000	AT1G56000	190.2246	189.1301	182.8469	158.78	157.0047	128.5925	147.6244	158.5968	183.5342	167.9187	216.8444	202.0018	-0.32128	0.086688	-0.19527	0.363586	0.055438	0.896642
AT1G56010	NAC021	160.502	217.678	173.8333	202.496	262.9995	212.3271	209.8756	207.1469	165.9614	132.4159	121.0604	168.8528	0.297981	0.170219	0.086433	0.753495	-0.36106	0.277425
AT1G56020	AT1G56020	16.64466	37.46917	29.61605	27.63184	35.11077	39.87363	18.67537	24.81447	20.50117	29.7456	19.95501	36.25673	0.285394	0.487955	-0.32397	0.474807	0.082726	0.928267
AT1G56030	PUB57	0	1.784246	0	0	0	0	0	0	0.976246	1.919071	2.660668	1.035907	-0.41143	NA	-0.11164	NA	0.614588	NA
AT1G56040	PUB58	0	0	0	0.412416	0	0.996841	0	0	0	0.985326	0	0	0.245807	NA	0	NA	0.71544	NA
AT1G56045	RPL41E	216.3805	117.7602	157.0938	237.139	290.8231	136.5672	149.403	102.4945	466.6456	184.2308	266.0668	304.5565	-0.345288	0.56431	0.434734	0.477888	0.491408	0.597213
AT1G56050	AT1G56050	549.2736	520.9998	544.6778	305.5999	261.0121	306.0301	364.6144	358.1915	330.9474	511.4325	489.5629	574.9281	-0.87965	1.46E-12	-0.61005	2.56E-06	-0.03458	0.915717
AT1G56060	AT1G56060	2.377808	0	3.862963	2.474493	41.73544	15.94945	37.35075	29.13003	67.36097	3.838143	2.660668	2.071813	2.514429	5.37E-07	3.1208	2.64E-10	0.078028	0.960136
AT1G56070	LOS1	8494.719	6086.063	5699.158	3583.479	3653.507	4271.463	3986.748	4829.111	4055.3621	4738.187	4426.021	5084.229	-0.80276	7.37E-07	-0.64406	0.000113	-0.49992	0.026222
AT1G56080	AT1G56080	10.70014	8.92123	10.30123	24.74493	15.89921	22.92734	26.6791	32.3667	27.33489	12.47396	17.29434	8.287252	0.922307	0.031029	1.314707	0.001818	0.236306	0.806384
AT1G56085	AT1G56085	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT1G56090	AT1G56090	73.71204	76.72258	73.3963	97.74249	82.80841	68.78201	61.36194	73.36452	105.4346	61.41028	50.55269	72.51346	0.166713	0.592907	0.09724	0.788368	-0.2554	0.616738
AT1G56100	AT1G56100	0	0	0	0.824831	0	0	0	0	0	0	0	0	0.173038	NA	0	NA	0	NA
AT1G56110	NOP56	1136.592	1077.685	1085.493	1088.777	1254.713	1112.474	933.7687	936.4765	1230.07	944.1831	917.9304	1065.948	0.06533	0.718796	-0.08915	0.631457	-0.16994	0.511961
AT1G56120	AT1G56120	136.724	117.7602	121.0395	151.3953	427.2914	520.3509	135.1741	149.9657	93.71962	39.34096	41.24035	37.29264	1.911131	1.93E-25	0.005448	0.985796	-1.59697	8.83E-11
AT1G56130	AT1G56130	16.64466	24.97944	19.31482	22.68286	23.18635	32.89575	30.23632	19.42002	21.47741	14.39303	9.312338	19.68221	0.335968	0.440074				

AT1G57590	PAE2	28.53369	32.11643	48.93086	15.25938	19.87402	13.95577	27.56841	19.42002	20.50117	74.84378	39.91002	66.29802	-1.05418	0.002777	-0.63323	0.106144	0.689793	0.170498	
AT1G57600	AT1G57600	114.1348	142.7397	180.2716	163.729	171.579	155.5072	186.7573	159.6757	134.7219	157.3638	152.9884	124.3088	0.165731	0.499986	0.137476	0.611151	-0.0077	0.990348	
AT1G57610	AT1G57610	224.7028	242.6575	225.3395	286.6288	341.8331	280.1123	318.3706	267.5647	373.9022	210.1383	238.1298	245.5098	0.465772	0.028452	0.465572	0.009438	0.00293	0.995545	
AT1G57613	AT1G57613	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G57620	CYB	15.31371	130.25	155.8062	251.161	296.1229	227.2797	200.0933	195.2791	259.6814	168.8783	171.6131	170.9246	0.775176	1.54E-05	0.53476	0.005786	0.184834	0.60972	
AT1G57630	AT1G57630	130.07794	30.33218	14.1642	207.8574	209.3397	214.3208	254.515	241.6713	403.1896	18.23118	10.64267	11.39497	3.262926	3.43E-29	0.573263	1.6E-38	-0.36982	0.5959	
AT1G57640	AT1G57640	3.566712	1.784246	2.575309	4.536571	1.987402	9.968408	5.335821	8.63112	5.857476	0.995936	0	1.035907	0.609482	0.375274	0.832457	0.229637	-0.73357	NA	
AT1G57650	AT1G57650	2.377808	1.784246	3.862963	6.273184	23.84882	28.90838	45.35448	46.39227	28.31113	1.919071	0	0	2.515222	9.06E-08	0.304526	3.59E-11	-0.72406	0.481893	
AT1G57660	RPL21F	852.4441	847.5169	1008.233	1098.263	936.0663	923.0746	668.7562	780.0374	955.7448	818.4839	670.4883	933.3518	0.125165	0.553602	-0.16906	0.431627	-0.15669	0.645634	
AT1G57670	AT1G57670	0	0	1.287654	0	0	0.996841	0	0	0.976246	0	0	0	-0.06594	NA	-0.04653	NA	-0.21403	NA	
AT1G57680	AT1G57680	1131.837	1120.507	932.2617	701.5189	684.3287	869.2452	735.454	1007.683	990.8897	942.264	846.0924	787.289	-0.49064	0.003778	-0.21623	0.269118	-0.29947	0.263611	
AT1G57690	AT1G57690	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA	
AT1G57700	AT1G57700	99.86793	85.64381	65.67037	66.39891	59.62205	82.73778	69.36567	88.46897	71.26596	79.64146	89.13238	76.65708	-0.27359	0.300567	-0.13325	0.670814	-0.0378	0.953606	
AT1G57710	AT1G57710	0	0	0	0	0	0	0.889303	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G57720	AT1G57720	1946.236	1882.38	1829.757	2043.519	1813.835	2165.138	1871.984	2011.051	1957.373	1325.119	1238.541	1629.481	0.0884	0.57563	0.044924	0.805213	-0.42652	0.010798	
AT1G57730	AT1G57730	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA	
AT1G57740	AT1G57740	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0	0.172362	NA
AT1G57750	CYP96A15	111.757	101.702	55.36914	18.5587	17.22415	6.977885	7.114428	11.86779	5.857476	179.4332	215.5141	161.6014	-2.37031	1.77E-14	-0.30285	2.73E-18	1.007228	0.006002	
AT1G57760	AT1G57760	0	0	1.287654	0	0	0	0.889303	0	0	0	0	0	-0.22368	NA	-0.20864	NA	-0.02973	NA	
AT1G57765	AT1G57765	146.2352	128.4657	141.642	188.8863	215.3019	163.4819	149.403	122.9935	208.9166	142.9708	152.9884	174.0323	0.433363	0.054815	0.199516	0.458632	0.164398	0.712267	
AT1G57770	AT1G57770	428.0054	472.8252	449.3914	298.5889	264.3244	244.226	497.1206	549.155	442.2394	474.9701	504.1966	456.8348	-0.72136	1.31E-07	0.140686	0.409254	0.088971	0.766647	
AT1G57775	AT1G57775	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0	NA	0.172362	NA	
AT1G57777	AT1G57777	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA	
AT1G57780	AT1G57780	0	0	2.575309	0	0	0	1.993682	0.889303	0	0.976246	0.995936	3.991002	3.10772	-0.21648	0.769337	-0.13259	0.867868	0.594368	NA
AT1G57790	AT1G57790	84.41218	105.2705	108.163	127.8488	133.1559	129.5893	104.9378	116.5201	97.6246	98.83217	79.82004	95.3034	0.389409	0.053838	0.102053	0.700094	-0.10134	0.827306	
AT1G57800	ORTH3	0	0	0	0	0	0	0	0	2.15778	0	0	0	0	NA	0.266481	NA	0	NA	
AT1G57810	AT1G57810	0	0	0	0.412416	0	0	0	0.889303	0	0	0	0	0.066991	NA	0.136991	NA	0	NA	
AT1G57820	ORTH2	186.6579	196.2671	172.5457	148.0572	131.831	182.4219	109.3843	118.6779	119.102	224.5313	180.9254	212.3608	-0.26718	0.171429	-0.66006	0.000455	0.159212	0.64981	
AT1G57830	AT1G57830	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G57835	AT1G57835	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G57840	AT1G57840	1.188904	0	0	1.237247	0.662467	0.996841	0	1.07889	1.952492	0	1.330334	1.035907	0.269545	NA	0.26238	NA	0.122142	NA	
AT1G57850	AT1G57850	1.188904	0	1.287654	0	0.662467	0	0.889303	2.15778	1.952492	0	1.330334	0	-0.43396	NA	0.360834	NA	-0.24517	NA	
AT1G57860	RPL21F	488.6395	608.4279	643.8272	780.7027	674.3917	570.1929	532.6928	565.3383	649.2036	573.8023	488.2326	647.4416	0.219126	0.264998	0.006571	0.979682	-0.02223	0.963148	
AT1G57870	AK5F	271.0701	308.6746	346.379	345.6043	327.9213	333.9417	398.408	412.136	261.6339	331.9993	297.9948	306.6283	0.120166	0.593158	0.206922	0.351884	0.017967	0.937083	
AT1G57906	AT1G57906	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.488699	NA	0	NA	
AT1G57943	PU1P7	8.322328	3.568492	2.575309	3.299325	5.962205	6.977885	6.225124	8.63112	8.786214	0.995936	1.330334	2.071813	0.059027	0.941357	0.508275	0.467849	-0.9548	NA	
AT1G57980	PU22	136.724	189.1301	172.5457	68.8734	64.25933	100.6809	130.7276	142.4135	127.8822	175.595	191.5681	191.6427	-1.07829	5.82E-08	-0.29663	0.260634	0.169419	0.669283	
AT1G57990	PU18	420.872	458.5512	427.5012	528.7168	630.6688	1153.345	1845.305	1797.431	1896.846	362.7045	391.1182	376.0341	0.78838	0.000714	2.00913	2.3E-20	-0.20175	0.662311	
AT1G58007	AT1G58007	3.566712	0	3.862963	2.062078	3.312336	0	2.66791	0	0	0	0	0	-0.26254	0.740442	-0.23888	0.778696	0.620164	NA	
AT1G58010	AT1G58010	1.188904	0	0	0	0	0	0.889303	0	0	0	0	0	-0.20902	NA	-0.03919	NA	-0.19148	NA	
AT1G58020	AT1G58020	2.377808	0	0	0	0	0	0.889303	0	0.976246	0	0	0.2071813	-0.4575	NA	-0.0788	NA	-0.04885	NA	
AT1G58025	AT1G58025	306.7372	253.3629	300.0235	299.8261	276.2489	307.027	304.1418	290.2214	269.4439	334.8779	286.0218	344.9569	0.028937	0.883794	-0.00075	0.997214	0.161678	0.555713	
AT1G58030	CAT2	807.2658	836.8114	699.1963	671.4126	588.9334	734.6717	834.1667	887.9264	725.3508	542.1376	541.4459	513.8096	-0.22953	0.124597	0.063331	0.735411	-0.54406	0.001276	
AT1G58037	AT1G58037	0	0	1.287654	0	0	0	0.996841	0	0	0	1.330334	0	-0.06909	NA	-0.22447	NA	-0.01175	NA	
AT1G58040	AT1G58040	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G58050	AT1G58050	0	1.784246	0	0	0.662467	0.996841	0.889303	1.07889	0	0	0	3.10772	-0.03014	NA	0.05645	NA	0.230787	NA	
AT1G58055	AT1G58055	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G58060	AT1G58060	315.0595	306.8903	240.7914	215.2809	178.8662	257.1849	295.2488	309.6414	175.7243	288.8202	304.6465	273.4793	-0.39522	0.097394	-0.13861	0.633398	0.007268	0.990831	
AT1G58070	AT1G58070	60.6341	83.89596	63.09506	41.65397	31.79843	44.85784	28.45771	24.81447	30.26363	73.88424	81.15037	53.86714	-0.76087	0.005029	-1.21596	1.86E-05	0.020616	0.979012	
AT1G58080	HISN1A	801.3213	702.9929	673.4432	464.7924	423.3166	426.6479	550.4789	486.5794	552.5552	595.8716	675.8097	669.1956	-0.7191	4.17E-09	-0.44981	0.000527	-0.16743	0.458715	
AT1G58090	AT1G58090	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA	
AT1G58100	TCP8	149.8019	178.4246	169.9704	271.3694	255.7124	247.2165	199.204	219.0147	318.2562	144.8899	158.3097	162.6373	0.627178	0.00144	0.553244	0.007366	-0.09109	0.84833	
AT1G58110	AT1G58110	211.6249	196.2671	173.8333	229.3031	198.0777	251.2039	225.8831	276.1958	209.8929	164.0806	162.3007	169.8887	0.213436	0.271858	0.2828	0.153644	-0.22411	0.487822	
AT1G58120	AT1G58120	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G58122	CPuORF45	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G58130	AT1G58130	0	0	3.862963	2.062078	3.312336	1.993682	2.66791	2.15778	0.976246	1.919071	0	0.2071813	0.397071	0.595176	0.205367	0.809461	0.005835	NA	
AT1G58140	AT1G58140	9.511232	10.70548	9.01358	11.96005	14.57428	18.93997	27.56841	32.3667	26.35864	10.55489	11.97301	7.251346	0.498638	0.297342	1.378865	0.001162	0.006117	NA	
AT1G58150	AT1G58150	9.511232	10.70548	14.1642	14.02213	13.24935	9.968408	8.893035	11.8677											

AT1G58848	RF9	840.5551	867.1436	831.8247	581.9184	534.6111	734.6717	844.8383	922.4509	641.3936	760.9118	697.095	797.648	-0.45058	0.008744	-0.07476	0.743318	-0.16651	0.600891
AT1G58889	AT1G58889	47.55616	32.11643	24.46543	33.81808	28.48609	50.83888	32.90423	30.20892	38.07359	54.69353	39.91002	50.75942	0.070384	0.871125	-0.04996	0.91668	0.443789	0.432745
AT1G58936	AT1G58936	0	0	0	1.324935	0	0	0	0	0.976246	0.995936	1.330334	1.035907	0.21801	NA	0.51433	NA	0.532942	NA
AT1G58983	RP52B	1067.636	1111.585	1143.437	1305.295	1282.537	1279.944	988.0162	955.8965	1357.958	1093.871	957.8405	1089.774	0.216375	0.182579	-0.00862	0.968342	-0.07857	0.81058
AT1G59030	AT1G59030	4.755616	3.568492	5.150617	0	0.662467	0	0	0	1.952492	9.595356	13.30334	14.50269	-1.79194	0.00375	-1.32418	0.044686	1.205633	NA
AT1G59077	AT1G59077	0	0	0	0	0	0	0.889303	0	0	0	0	0	0.160764	NA	0.00735	NA	0	NA
AT1G59124	AT1G59124	919.0228	888.5545	844.7012	584.3929	531.2988	792.4884	944.4403	1070.259	738.042	829.9983	699.7557	862.9101	-0.46772	0.014234	0.052099	0.842388	-0.14408	0.699441
AT1G59171	AT1G59171	0	0	0	0.412416	0	0	0.996841	0	1.952492	0	1.330334	0	0.456018	NA	0.320981	NA	0.190124	NA
AT1G59218	RF9	785.8655	815.4004	705.6346	527.0671	473.0016	723.7064	718.5572	785.4319	547.674	684.1489	662.5063	697.1651	-0.41426	0.030947	-0.16479	0.470531	-0.16956	0.632849
AT1G59265	AT1G59265	40.42273	23.1952	33.47901	31.756	25.17376	30.90206	30.23632	32.3667	25.3824	34.54328	54.54369	38.32854	-0.16094	0.684255	-0.16089	0.711129	0.322609	0.591092
AT1G59312	AT1G59312	0	0	1.287654	0	0	0	1.778607	1.07889	0	0	0	0	-0.29959	NA	0.235599	NA	0.11957	NA
AT1G59359	RP52B	1129.459	1141.917	1135.711	1264.466	1262	1174.278	1001.356	1007.683	1358.934	1180.229	832.7891	1158.143	0.117688	0.560971	-0.01624	0.946937	-0.09964	0.781928
AT1G59406	AT1G59406	3.566712	7.136984	5.150617	0	0.662467	0	0	0	0	13.4335	18.62468	17.61041	-1.95979	0.001246	-1.85111	0.003031	1.478232	NA
AT1G59453	AT1G59453	0	0	0	0	0	0	0.996841	0	1.07889	0	0	0	0.134295	NA	0.152414	NA	0	NA
AT1G59500	GH3.4	0	0	0	0.824831	0.662467	0	0.889303	0	0	0	1.330334	0	0.287769	NA	0.150511	NA	0.197762	NA
AT1G59510	CF9	36.85602	37.46917	48.93086	38.76706	31.79843	39.87363	45.35448	55.02339	34.16861	42.21957	47.89202	56.97486	-0.15832	0.660393	0.109758	0.786508	0.23465	0.687982
AT1G59520	CW7	140.2907	151.6609	163.5321	214.4561	200.7276	171.4566	198.3147	168.3068	183.5342	140.0922	171.6131	183.3555	0.367625	0.050153	0.269344	0.197959	0.114723	0.770425
AT1G59530	ATB2IP4	0	0	0	0	0	0	2.15778	0.75246	0	0	0	0	0.488699	NA	0	NA	0	NA
AT1G59535	AT1G59535	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G59540	ZCF125	89.1678	80.29107	86.27284	89.9066	116.5942	105.6651	98.71269	112.2046	90.79088	106.5085	94.45371	118.0933	0.264208	0.257278	0.222662	0.389854	0.308775	0.401013
AT1G59550	AT1G59550	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0.172362	NA
AT1G59560	ZCF61	29.7226	46.3904	38.62963	58.97543	45.04777	47.84836	34.68284	46.39227	62.47974	38.38143	65.18636	43.50807	0.404627	0.242316	0.313569	0.417791	0.332997	0.576458
AT1G59570	AT1G59570	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT1G59580	MPK2	498.1508	504.9416	479.0074	504.3842	522.6867	581.1582	533.5821	473.6327	465.6693	417.398	401.7609	382.2495	0.113203	0.435337	-0.00671	0.97093	-0.29837	0.109159
AT1G59590	ZCF37	76.08985	114.1917	83.69753	334.0566	412.0546	473.4994	522.0211	371.1381	594.5338	71.00564	95.78405	76.65708	2.082869	3.94E-21	2.365492	5.14E-27	-0.15754	0.769306
AT1G59600	ZCW7	134.3461	153.4452	154.5185	162.9042	168.2667	119.6209	141.3993	151.0446	232.3465	126.6587	141.0154	151.2424	0.038008	0.902752	0.240693	0.379392	-0.0741	0.893141
AT1G59610	DRP2B	1281.638	1111.585	991.4938	834.7291	807.5476	979.8945	1053.825	1141.466	1010.415	1048.772	1032.339	930.2441	-0.36686	0.009442	-0.07683	0.665779	-0.1674	0.504369
AT1G59620	CW9	206.8693	219.4623	208.6	223.5292	188.1407	258.1818	217.8794	276.1958	202.0829	167.9187	141.0154	193.7145	0.072387	0.770222	0.129275	0.600912	-0.32112	0.3173
AT1G59630	AT1G59630	0	0	0	0	0	0	0	1.07889	0	0	0	0	0.16673	NA	0	NA	0	NA
AT1G59640	BPE	29.7226	28.54794	29.61605	40.41673	45.71024	38.87679	35.57214	47.47116	36.1211	43.1791	46.56169	36.25673	0.474548	0.13147	0.398469	0.255268	0.475268	0.340335
AT1G59650	CW14	54.68958	40.39554	178.984	161.6669	161.642	182.4219	182.3072	147.8079	136.6744	176.5546	146.3367	157.4578	0.115943	0.607178	0.011407	0.966928	0.053139	0.909065
AT1G59660	NUP98B	54.68958	46.3904	43.78025	197.5471	166.2793	196.3745	141.3993	144.5713	83.95716	29.7456	21.28534	27.96948	1.86502	1.85E-14	1.282242	5.93E-07	-0.79573	0.054926
AT1G59670	GSTU15	0	1.784246	0	2.474493	0.662467	2.990522	0.889303	1.07889	0	0.959536	0	0	0.688533	0.276143	0.052953	0.946639	-0.10411	NA
AT1G59675	AT1G59675	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G59680	EDA1	1.188904	0	0	0	0	0	0	1.07889	0	0	0	0	-0.2127	NA	-0.02202	NA	-0.1938	NA
AT1G59690	AT1G59690	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G59700	GSTU16	190.2246	217.678	203.4494	225.5913	258.3622	225.286	227.6617	160.7546	275.3014	268.67	305.9768	272.4434	0.212297	0.337416	0.121516	0.635094	0.459936	0.1045
AT1G59710	AT1G59710	197.3581	215.8938	207.3123	336.5311	382.9061	388.7679	274.7948	265.4069	340.7099	168.8783	145.0064	177.14	0.822148	1.31E-07	0.499805	0.003205	-0.32243	0.234675
AT1G59720	PCMP-H51	52.31177	51.74313	74.63895	26.80701	22.52389	25.91786	40.90796	39.91893	26.35864	55.65307	54.54369	62.15439	-1.18164	0.000019	-0.70345	0.019371	-0.05276	0.942127
AT1G59722	AT1G59722	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G59725	AT1G59725	0	0	0	0	1.987402	0	0	0	0	0	0	0	0.260054	NA	0	NA	0	NA
AT1G59730	TRX7	0	1.287654	0.412416	0	0.996841	1.778607	0	0	0.959536	0	0	0	-0.00787	NA	0.084076	NA	-0.05413	NA
AT1G59740	NP4.3	36.85602	28.54794	38.2284	39.17948	29.14856	40.87047	59.58333	44.23449	22.45366	25.90746	35.91902	32.1131	0.188841	0.664738	0.388613	0.356937	-0.0155	0.988816
AT1G59750	ARF1	682.4309	797.558	721.0864	578.6191	556.4725	621.0318	612.7301	632.2295	464.6931	673.594	687.7827	670.2315	-0.3204	0.030226	-0.35722	0.018532	-0.11167	0.697215
AT1G59760	AT1G59760	429.1943	369.3389	386.2963	251.5735	258.3622	313.008	291.6915	348.4815	229.4178	334.8779	383.1362	382.2495	-0.52384	0.0031	-0.44107	0.018502	-0.10835	0.77299
AT1G59770	AT1G59770	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G59780	AT1G59780	0	1.287654	3.299325	1.987402	1.993682	2.66791	0	0	0.959536	1.330334	1.035907	0	0.827172	0.20386	0.191321	0.812136	0.267502	NA
AT1G59790	AT1G59790	1.188904	0	0	0.662467	0	1.778607	0	1.919071	0	0	0	0	-0.11692	NA	0.080008	NA	0.10213	NA
AT1G59800	AT1G59800	0	0	0	0	0	0	1.07889	0	0	0	0	0	0	NA	0.16673	NA	0	NA
AT1G59810	AGL50	0	0	0	0	0	0	2.15778	0	0	0	0	0	0.266481	NA	0.026481	NA	0	NA
AT1G59820	ALA3	322.193	231.952	260.1062	223.1168	163.6294	284.0996	265.9017	338.7714	149.3656	226.4504	183.5861	217.5404	-0.27194	0.389645	-0.10916	0.771779	-0.35714	0.46317
AT1G59830	PP2A1	412.5497	504.9416	440.3778	473.0407	514.0746	460.5404	450.8769	482.2638	539.864	349.271	401.7609	395.7163	0.097735	0.558194	0.121062	0.484111	-0.23721	0.30483
AT1G59833	AT1G59833	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G59835	AT1G59835	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G59840	CCB4	237.7808	221.2465	242.079	152.1813	179.5286	177.4377	230.3296	202.8313	237.2278	229.329	199.5501	280.7307	-0.46256	0.008328	-0.06459	0.786961	-0.019136	0.968799
AT1G59850	AT1G59850	4.755616	12.48972	6.438272	8.660727	5.962205	14.95261	7.114428	15.10446	7.809968	8.635821	10.64267	4.143626	0.258406	0.689533	0.268388	0.664719	0.014304	NA
AT1G59860	HSP17.6A	13.07794	5.352738	5.150617	7.42348	8.612075	12.95893	8.003731	5.39445	14.64369	6.716749	7.982004	11.39497	0.163474	0.805884	0.16396	0.819722	0.077042	NA
AT1G59865	AT1G59865	5.94452	8.92123	2.5757															

AT1G60300	AT1G60300	1.188904	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	-0.20902	NA	-0.03919	NA	-0.19148	NA	
AT1G60310	AT1G60310	0	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT1G60320	AT1G60320	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA	NA
AT1G60330	AT1G60330	0	0	0	0	0	0.662467	0	0	0	0	0	1.330334	0	0	0	0.101524	NA	0	NA	0.179327	NA	
AT1G60340	AT1G60340	2.377808	0	0	0	0	0	0	0	0	0	1.330334	0	0	0	0	-0.38599	NA	-0.36442	NA	-0.16306	NA	
AT1G60350	anac024	0	1.784246	0	0.824831	0	0	0	0	0	0	1.330334	0	0	0	0	-0.08369	NA	-0.25512	NA	-0.04342	NA	
AT1G60360	AT1G60360	3.566712	1.784246	9.01358	2.062078	1.987402	1.993682	1.778607	0	2.928738	5.757214	2.660668	5.179533	0	0	0	-0.78323	0.245491	-0.90316	0.196565	-0.04636	NA	
AT1G60370	AT1G60370	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA	NA
AT1G60380	AT1G60380	2.377808	0	0	0	0.824831	0.662467	0	0	0	0.976246	0	0	0	0	0	-0.11316	NA	-0.23141	NA	-0.40513	NA	
AT1G60390	PG1	63.01191	32.11643	42.49259	30.10634	28.48609	20.93366	24.9005	29.13003	22.45366	27.82653	50.55269	34.18492	0	0	0	-0.73109	0.031318	-0.80478	0.025374	-0.3096	0.625212	
AT1G60400	AT1G60400	0	1.784246	0	0	0	0	0	0	0	0	0	0	0	0	0	-0.26841	NA	-0.25035	NA	-0.06249	NA	
AT1G60410	AT1G60410	1.188904	0	0	0.412416	0	0.996841	0	0	0	0	0	0	0	0	0	0.040757	NA	-0.23	NA	-0.22302	NA	
AT1G60420	AT1G60420	345.971	381.8287	314.1877	368.6995	357.0699	399.7332	414.4154	391.637	413.9283	258.1151	283.3611	297.3052	0	0	0	0.112202	0.478691	0.231082	0.127016	-0.30489	0.143173	
AT1G60430	ARPC3	92.73451	128.4657	130.0531	126.1992	137.7932	132.5798	127.1704	118.6779	126.912	104.5894	105.0964	119.1293	0	0	0	0.179521	0.411111	0.095732	0.1070269	-0.08057	0.86125	
AT1G60440	PANK1	116.5126	119.5445	119.7519	208.2699	189.4656	207.3429	212.5435	222.2513	166.9381	114.1847	86.47171	149.1705	0	0	0	0.744829	0.000261	0.000457	0.000457	-0.01397	0.983137	
AT1G60450	GLS7	0	0	0	0.412416	0	0	1.778607	0	0	0	0	0	0	0	0	0.060593	NA	0.260815	NA	0	NA	
AT1G60460	AT1G60460	14.26685	24.97944	16.73951	13.1973	17.88662	19.93682	10.67164	11.86779	10.73871	20.15025	11.97301	21.75404	0	0	0	-0.11244	0.830839	-0.61833	0.201797	0.00574	0.996189	
AT1G60470	GLS5	1.188904	0	1.287654	13.1973	11.26194	11.96209	22.23259	7.55223	8.786214	0	0	0	0	0	0	2.132942	0.000198	2.186455	0.000174	-0.33049	NA	
AT1G60480	AT1G60480	4.755616	5.352738	3.862963	1.649662	2.649869	2.990522	4.446517	6.47334	0.976246	1.919071	2.660668	5.179533	0	0	0	-0.61746	0.368534	-0.13851	0.871211	-0.3092	NA	
AT1G60490	ATVP534	464.8614	535.2738	464.8432	511.8077	484.926	565.2087	535.3607	563.1805	360.2348	414.5194	371.1632	421.614	0	0	0	0.091644	0.677762	-0.00376	0.988234	-0.26907	0.368214	
AT1G60500	DRP4C	1.188904	7.136984	2.575309	2.886909	1.987402	4.984204	2.66791	2.15778	2.928738	1.919071	1.330334	2.071813	0	0	0	-0.03028	0.971481	-0.20948	0.806396	-0.47434	NA	
AT1G60505	AT1G60505	13.07794	16.05821	10.30123	13.60971	7.949607	13.95577	8.893035	10.7889	18.54867	7.676285	5.321336	15.5386	0	0	0	-0.10874	0.860665	-0.02084	0.975995	-0.34331	NA	
AT1G60510	DRP4D	2.377808	0	0	0.412416	1.324935	0.996841	1.778607	4.31556	0.976246	4.797678	1.330334	1.035907	0	0	0	-0.08208	0.92227	0.525979	0.479679	0.562829	NA	
AT1G60520	AT1G60520	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA	NA	NA	
AT1G60525	AT1G60525	53.50068	26.76369	48.93086	34.23049	38.4231	56.81992	52.46891	48.55005	37.09735	42.21957	43.90102	58.01077	0	0	0	-0.05569	0.885619	0.062534	0.889789	0.120906	0.889726	
AT1G60530	DRP4A	0	0	0	0	0	0.996841	0	0	0	0	1.330334	0	0	0	0	0.136618	NA	0	NA	0.179947	NA	
AT1G60540	DRP4B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA	NA	NA	
AT1G60545	AT1G60545	2.377808	5.352738	5.150617	5.361402	5.962205	2.990522	3.557214	5.39445	7.809968	0	0	5.179533	0	0	0	0.16039	0.838706	0.278246	0.729026	-0.64729	NA	
AT1G60550	MENB	735.9315	877.849	834.4	711.0045	688.3035	660.9054	651.8595	653.8073	692.1584	1029.582	1038.991	873.2692	0	0	0	-0.24182	0.062339	-0.28736	0.300411	0.256473	0.15151	
AT1G60560	AT1G60560	155.7464	173.0719	123.6148	124.5495	130.5061	128.5925	145.8458	131.6246	110.3158	140.0922	194.2288	169.8887	0	0	0	-0.22545	0.313667	-0.20705	0.396518	0.153464	0.702132	
AT1G60570	AT1G60570	0	0	0	0	0	0	0	2.15778	0	0	0	0	0	0	0	0	NA	0.279709	0.965181	0.278542	NA	
AT1G60580	AT1G60580	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA	NA	NA	
AT1G60590	AT1G60590	217.5694	171.2876	202.1617	77.53413	80.15854	59.81045	86.26244	72.28563	69.31347	251.3983	206.2018	209.2531	0	0	0	-1.395	2.616-11	-1.34106	2.246-12	0.167363	0.641615	
AT1G60600	ARC4	496.9618	574.5272	531.8012	523.7678	400.1302	470.5088	593.1654	572.8906	446.1444	554.6116	485.5719	637.0825	0	0	0	-0.1937	0.315513	-0.10128	0.967606	0.0678	0.866601	
AT1G60610	AT1G60610	80.84547	82.07532	90.1358	103.5163	101.3575	85.72831	98.71269	118.6779	129.8407	117.0633	119.7301	106.6984	0	0	0	0.202932	0.390061	0.438555	0.050449	0.424095	0.184358	
AT1G60620	ATRPC4C	49.93397	66.0171	72.10864	105.5784	78.17114	101.6778	115.6095	100.3368	61.5035	67.16749	66.5167	71.47755	0	0	0	0.579492	0.037269	0.53997	0.067988	0.124352	0.846494	
AT1G60625	RALF6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	0	0	0	
AT1G60630	AT1G60630	64.20081	85.64381	60.51975	30.55532	32.4609	43.86099	45.35448	31.28781	28.31113	47.97678	73.16837	49.72351	0	0	0	-0.86947	0.002106	-0.92175	0.001996	-0.28348	0.595011	
AT1G60640	AT1G60640	296.0371	237.3047	280.7086	361.6885	373.6315	309.0206	319.2599	288.0636	413.9283	283.063	276.7095	321.131	0	0	0	0.34967	0.0594	0.315028	0.111108	0.106467	0.781547	
AT1G60650	RZ1B	78.46766	110.6233	83.69753	129.0861	108.6446	105.6651	87.15174	92.78453	130.817	83.4796	79.82004	76.65708	0	0	0	0.346615	0.158004	0.196894	0.492175	-0.16125	0.744131	
AT1G60660	CBS1P	127.1127	157.0137	163.5321	166.6159	182.841	131.583	133.3955	92.78453	176.7005	166.9592	291.3431	178.1759	0	0	0	0.10503	0.76154	-0.14025	0.965283	-0.47195	0.261714	
AT1G60670	AT1G60670	97.49012	94.56504	100.437	120.4253	130.5061	110.6493	109.3843	111.1257	133.7457	78.68192	67.84703	132.596	0	0	0	0.295726	0.26851	0.263617	0.364568	-0.0584	0.926068	
AT1G60680	AGD2	3.566712	8.92123	7.725926	9.897974	10.59948	10.96525	8.893035	11.86779	13.66744	0.995936	5.321336	5.179533	0	0	0	0.546327	0.341851	0.647278	0.279634	-0.56816	NA	
AT1G60690	AT1G60690	99.86793	108.839	130.0531	60.21267	62.93439	58.81361	68.04104	125.1512	83.95716	122.8026	129.0424	106.6984	0	0	0	-0.86611	6.71E-05	-0.18904	0.48701	0.076916	0.880395	
AT1G60700	AT1G60700	66.57862	101.702	91.42346	73.40997	66.24673	80.7441	77.3694	65.81229	50.76479	73.88424	105.0964	89.08796	0	0	0	-0.2184	0.444935	-0.38606	0.177713	0.049254	0.938606	
AT1G60710	ATB2	908.3226	785.0683	923.2482	737.399	752.5628	628.0097	666.0839	660.2806	690.2059	927.871	840.7711	892.9514	0	0	0	-0.30142	0.016581	-0.37504	0.003159	0.022424	0.495912	
AT1G60720	AT1G60720	0	0	1.287654	0	0	0	2.66791	0	0	0	0	0	0	0	0	-0.22259	NA	0.19551	NA	-0.19453	NA	
AT1G60730	AT1G60730	65.38972	87.42806	75.97161	259.4094	236.5008	296.0617	392.1828	398.1104	355.3535	55.65307	41.24035	60.08258	0	0	0	1.756373	3.51E-22	2.284812	3.51E-37	-0.4897	0.146938	
AT1G60740	PRX1D	4.755616	3.568492	5.150617	3.299235	2.649869	10.96525	3.527214	3.23667	6.833722	2.878607	2.660668	0	0	0	0.165722	0.833154	0.008866	0.992005	-0.70547	NA		
AT1G60750	AT1G60750	0	0	0	0.412416	0.662467	0	2.66791	3.23667	0.976246	0.995936	0	0	0	0	0	0.148423	NA	1.053672	NA	0.164881	NA	
AT1G60760	AT1G60760	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA	NA	NA	
AT1G60770	AT1G60770	263.9367	237.3047	258.8185	220.6423	239.8132	234.2576	205.4291	178.0168	207.9404	204.3811	226.1568	221.684	0	0	0	-0.1353	0.420871	-0.35879	0.023878	-0.22471	0.371061	
AT1G60780	AP1M2	1007.002	915.3182	1037.																			

AT1G61160	AT1G61160	2.377808	0	0	1.237247	1.987402	2.990522	2.66791	0	0	0.959536	0	0	0.450722	0.503872	0.020447	0.97975	-0.24686	NA
AT1G61165	AT1G61165	0	0	0	0	0	0	0	0	0	0	1.330334	1.035907	0	0	0	0	0.375122	NA
AT1G61170	AT1G61170	77.28776	51.74313	79.83457	84.95761	80.82101	102.6746	42.68657	59.33895	59.55101	66.20796	67.84703	69.40574	0.319767	0.220098	-0.38132	0.182532	-0.05706	0.928006
AT1G61180	AT1G61180	384.016	330.0855	323.2012	305.5999	325.2714	352.8816	329.9316	325.8248	270.4201	286.9012	301.9858	319.0592	-0.08372	0.644382	-0.16426	0.35786	-0.19297	0.469409
AT1G61190	AT1G61190	1289.961	1188.308	1014.672	775.3413	795.6232	957.964	1032.481	1022.788	900.0988	964.3333	1120.141	1045.23	-0.46274	0.001189	-0.23782	0.138842	-0.15729	0.551392
AT1G61200	AT1G61200	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G61210	AT1G61210	412.5497	410.3766	336.0778	249.099	226.5638	265.1596	234.7761	217.9358	156.1994	345.4328	363.1812	359.4596	-0.63385	0.000165	-0.90713	7.68E-08	-0.11442	0.748152
AT1G61215	BRD4	32.33383	29.5341	41.20494	32.58083	35.77323	37.87995	28.45771	29.13003	27.33489	28.78607	18.62468	33.14901	-0.17151	0.030847	-0.46396	0.184936	-0.51183	0.313786
AT1G61224	MIR842A	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT1G61226	MIR846A	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT1G61230	AT1G61230	2.377808	0	0	0.824831	0.662467	1.993682	0.889303	0	0	0.959536	2.660668	0	0.120718	0.871744	-0.29071	0.680284	0.120796	NA
AT1G61240	AT1G61240	160.502	196.2671	169.9704	114.2391	93.40789	111.6462	111.1629	106.8101	83.95716	191.9071	192.8984	184.3914	-0.69639	9.81E-05	-0.77454	3.26E-05	0.118202	0.754927
AT1G61250	SCAMP3	715.7202	758.3046	705.6346	1196.83	1324.935	1236.083	1004.913	895.4786	1207.616	544.0567	564.0616	505.5224	0.777541	1.83E-09	-0.379053	0.000201	-0.42779	0.018116
AT1G61255	AT1G61255	0	0	0	0	2.886909	2.649869	2.990522	0.889303	0	5.87476	0	0	0.1401703	0.093775	0.846619	0.198319	0.281303	NA
AT1G61260	AT1G61260	36.85602	35.68492	51.50617	125.3743	117.9192	133.5767	102.6699	183.4113	239.1803	27.82653	34.58868	48.68761	1.480448	1.1E-06	1.931319	9.97E-11	-0.1563	0.838515
AT1G61270	AT1G61270	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0	0.172362
AT1G61275	U12	0	0	0	0	0	0	0	0	0	0.959536	0	0	0	NA	0	NA	0	0.171512
AT1G61280	AT1G61280	9.511232	0	6.438272	10.7228	8.612075	12.95893	8.893035	10.7889	8.786214	15.35257	5.321336	15.5386	0.659006	0.247027	0.515813	0.417048	0.829818	NA
AT1G61290	SYPI24	0	0	0	0	1.649662	0	0	1.778607	2.15778	0.976246	0.959536	0	0.282661	NA	0.717895	NA	0.478961	NA
AT1G61300	AT1G61300	474.3727	499.5889	417.2	264.3584	255.0499	325.9669	374.3968	406.7415	282.1351	450.0222	441.6709	439.2244	-0.70953	1.68E-05	-0.379053	0.037066	-0.060289	0.879636
AT1G61310	AT1G61310	224.7028	210.541	221.4765	155.0683	133.1559	165.4756	161.8532	166.1491	133.7457	170.7973	188.9074	208.2172	-0.52983	0.001741	-0.50103	0.004985	-0.20885	0.498556
AT1G61320	AT1G61320	0	0	0	0	0	0	0.996841	0.889303	0	0.976246	0	0	0.143847	NA	0.320476	NA	0	NA
AT1G61330	AT1G61330	0	0	0	0	0.662467	0	0.889303	0	0	0	0	0	0.097058	NA	0.130384	NA	0	NA
AT1G61340	AT1G61340	13.07794	21.41095	32.19136	70.93548	65.58426	125.6019	147.6244	119.7568	160.1043	17.27164	15.96401	32.1131	1.772753	1.81E-07	2.452244	1.43E-13	-0.0246	0.983137
AT1G61350	AT1G61350	216.3805	223.0308	204.737	148.4696	151.0425	190.3966	192.0896	190.9635	175.7243	197.6643	202.2108	223.7558	-0.40075	0.016444	-0.19903	0.306108	-0.04291	0.917498
AT1G61353	AT1G61353	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT1G61360	AT1G61360	71.33424	71.36984	64.38272	89.49418	117.9192	115.6335	147.6244	171.5435	110.3158	45.09817	59.86503	60.08258	0.607339	0.014234	1.012781	2.21E-05	-0.31779	0.496345
AT1G61370	AT1G61370	26.15589	30.33218	23.17778	42.89122	37.09817	51.83572	49.80009	58.26006	35.14486	27.82653	23.94601	22.78994	0.675327	0.03945	0.795843	0.018295	-0.07386	0.93307
AT1G61380	SDI29	266.3145	312.2431	213.7506	389.7327	392.8431	390.7616	341.4925	308.5625	211.8454	248.5197	240.7904	270.3716	0.558887	0.00444	0.124959	0.624695	-0.05204	0.916828
AT1G61390	AT1G61390	8.322328	3.568492	2.575309	4.124156	4.637271	6.977885	6.225124	6.83112	1.952492	2.878607	0	1.035907	0.053683	0.948636	0.131485	0.876711	-0.94066	NA
AT1G61400	AT1G61400	23.77808	32.11643	33.47901	29.69392	27.82363	29.90522	31.12562	32.3667	30.26363	25.90746	18.62468	22.78994	-0.01697	0.969007	0.076432	0.867007	-0.34993	0.574689
AT1G61410	AT1G61410	14.26468	23.1952	21.89012	19.79595	29.14856	22.92734	16.00746	17.26224	26.35864	24.94793	13.30334	14.50269	0.260765	0.574947	0.206765	0.968777	-0.11191	0.910917
AT1G61415	AT1G61415	1.188904	1.784246	2.575309	3.299325	5.299738	0.996841	4.466517	0	1.952492	0.959536	1.330334	2.071813	0.457993	0.535126	0.111645	0.899421	-0.14912	NA
AT1G61420	AT1G61420	32.10041	37.46917	47.64321	87.4321	76.8462	86.72515	80.92662	84.15342	39.04984	19.19071	22.61568	21.75404	1.035294	0.000652	0.1747859	0.023708	-0.80175	0.106611
AT1G61430	AT1G61430	107.0014	121.3287	105.5877	168.2656	176.8788	200.365	223.2152	184.4902	139.6032	104.5894	109.0874	84.94434	0.687275	0.001157	0.699004	0.001314	-0.15379	0.740168
AT1G61440	AT1G61440	3.566712	1.784246	1.287654	4.248311	9.937009	10.96525	12.45025	9.710009	5.857476	0.959536	1.330334	2.071813	1.414041	0.014347	1.363575	0.024293	-0.32598	NA
AT1G61450	AT1G61450	16.64466	26.76369	11.58889	35.88015	39.08557	21.9035	28.45771	15.10446	31.23987	27.82653	21.28534	16.5745	0.780811	0.058102	0.427512	0.378291	0.257556	0.76672
AT1G61460	AT1G61460	13.07794	39.25341	21.89012	61.86234	62.93439	53.8294	65.80846	66.89118	47.83605	17.27164	38.57969	20.71813	1.215608	0.003888	1.221357	0.000518	0.054024	0.957395
AT1G61470	CAF1-5	14.26685	18.49472	15.45185	41.65397	51.67245	101.6778	96.93408	78.75897	116.1733	13.4335	19.95501	21.75404	1.901989	2.93E-07	2.471791	1.13E-11	0.280201	0.744238
AT1G61475	AT1G61475	1.188904	0	1.287654	0.662467	1.993682	0.889303	4.31556	0	0.959536	2.660668	0	0	0.142863	0.855566	0.309828	0.686335	0.094626	NA
AT1G61480	AT1G61480	1.188904	0	0	3.71174	4.637271	0.996841	4.466517	3.23667	2.928738	2.878607	0	1.035907	0.99412	0.131936	1.045479	1.126376	0.356488	NA
AT1G61490	AT1G61490	40.42273	44.60615	32.19136	65.16166	56.30972	83.73463	88.04104	76.60119	56.62227	27.82653	37.24935	41.43626	0.758539	0.009661	0.876024	0.003345	-0.12716	0.860356
AT1G61500	AT1G61500	128.4016	155.2294	133.9161	70.93548	64.25933	77.75358	96.04478	67.97007	58.57476	199.5834	200.8804	156.4219	-0.93899	1.17E-05	-0.86241	0.000123	0.410564	0.215996
AT1G61510	AT1G61510	0	0	0	0	0	0	1.07889	0	0	0	0	0	0.16673	NA	0	NA	0	NA
AT1G61520	LHCA3	471.6501	558.997	5042.197	23741.53	21701.1	22186.69	19768.33	22203.55	25114.9	52665.07	55911.28	48223.52	-1.16719	9.68E-24	-1.17874	3.12E-24	0.033415	0.914481
AT1G61540	AT1G61540	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G61542	AT1G61542	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G61550	AT1G61550	1.188904	1.784246	3.862963	7.011065	1.987402	4.984204	8.003731	2.15778	3.904984	0	1.330334	0	0.644105	0.357544	0.620411	0.404461	-0.75128	NA
AT1G61560	MLO6	20.21137	35.68492	25.75309	61.86234	102.02	68.78201	127.1704	110.0468	106.4108	37.42189	49.22236	29.00538	1.426169	1.71E-06	1.967491	1.46E-11	0.463071	0.407382
AT1G61563	RALF18	0	1.784246	0	0	0	0	0	0	0	0	0	3.991002	-0.27045	NA	-0.24255	NA	0.270186	NA
AT1G61566	RALF19	1.188904	3.568492	0	0	0	0	0	0	0.959536	1.330334	2.071813	0	-0.85121	NA	-0.76234	NA	0.040106	NA
AT1G61570	TIM13	93.92341	76.72258	92.71111	189.7112	215.3019	120.6177	117.3881	77.68008	242.109	96.9131	130.3727	116.0215	0.917835	0.006918	0.667255	0.069123	0.341931	0.591221
AT1G61575	AT1G61575	3.566712	5.352738	3.862963	1.237247	0.662467	0.996841	1.778607	0	0	2.878607	2.660668	3.10772	-1.22854	0.094757	-1.22854	0.067558	-0.3113	NA
AT1G61580	ARP2	127.2127	144.5239	142.9296	160.8421	183.5034	167.4693	136.0634	173.7013	209.8929	144.8899	126.3817	160.5655	0.297974	0.167618	0.318902	0.162262	0.06484	0.894522
AT1G61590	AT1G61590	1.188904	0																

AT1G62035	MIR171C	1.188904	1.784246	1.287654	0.824831	1.324935	1.993682	2.66791	2.15778	0.976246	0	0	0	-0.01083	0.990242	0.252063	0.755986	-0.73271	NA	
AT1G62040	ATG8C	234.2141	267.6369	276.8457	324.1586	337.1958	243.2291	305.0311	256.7758	390.4984	194.7857	139.6851	318.0233	0.210213	0.49881	0.2784	0.377287	-0.23738	0.641615	
AT1G62045	AT1G62045	9.511232	17.136984	15.45185	5.773818	13.24935	8.971567	12.45025	13.96674	6.762885	18.62468	16.5745	0.04185	0.953186	0.04185	0.953186	0.303421	NA	NA	
AT1G62050	AT1G62050	109.3792	123.113	119.7519	63.09958	59.62205	78.75042	79.14801	98.17898	70.28971	114.1847	160.9704	90.12387	-0.7835	0.001285	-0.48768	0.069101	0.043932	0.945973	
AT1G62055	AT1G62055	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA	
AT1G62060	AT1G62060	0	0	0	0	0	0	0	1.07889	0	0	1.330334	1.035907	0	NA	0.179864	NA	0.38345	NA	
AT1G62070	AT1G62070	0	0	0	0.662467	0	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA	
AT1G62075	AT1G62075	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G62080	AT1G62080	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G62085	AT1G62085	80.84547	80.29107	68.24568	44.9533	47.69764	44.85784	39.12935	43.1556	51.74104	64.28889	71.83803	56.97486	-0.70744	0.002854	-0.74257	0.003331	-0.24213	0.591092	
AT1G62090	AT1G62090	1.188904	1.784246	1.287654	0.412416	0.662467	0	1.778607	0	0	0	1.330334	0	-0.49326	NA	-0.32878	NA	-0.45473	NA	
AT1G62095	AT1G62095	0	0	0	0	0	0	0.889303	0	0	0.995936	0	0	0	NA	0.13694	NA	0.147196	NA	
AT1G62110	AT1G62110	61.82301	60.66437	47.64321	42.06639	60.94699	41.86731	48.02239	45.31338	32.21612	57.57214	47.89202	68.36983	-0.21545	0.513381	-0.4089	0.217021	0.041291	0.957372	
AT1G62120	AT1G62120	34.47821	39.25341	41.20494	29.28151	25.83622	30.90206	44.46517	42.07671	33.19236	40.3005	62.5257	42.47217	-0.3955	0.23012	0.060936	0.887113	0.306133	0.582115	
AT1G62130	AT1G62130	124.8349	124.8972	118.4642	71.76031	62.27192	68.78201	120.0556	113.2834	47.83605	177.5141	154.3187	152.2783	-0.8146	0.002909	-0.36819	0.24234	0.379402	0.406255	
AT1G62150	AT1G62150	48.74506	64.23286	37.34198	38.35465	43.72284	39.87363	39.12935	43.1556	50.76479	67.16749	33.25835	52.83123	-0.26693	0.441381	-0.14693	0.715654	0.065389	0.93291	
AT1G62160	AT1G62160	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA	
AT1G62170	AT1G62170	1.188904	0	0	0.412416	0	0	1.778607	0	0	0	0	0	-0.13507	NA	0.094888	NA	-0.20373	NA	
AT1G62180	APR2	1451.652	1450.592	1431.872	553.4617	499.5003	635.9844	278.352	268.6436	312.3987	1216.691	1157.391	1370.504	-1.34817	5.95629	-2.30417	8.88676	-0.20772	0.325117	
AT1G62181	AT1G62181	0	0	1.287654	0	0.662467	0	0.662467	0	0.889303	0	0	0.889303	0	-0.10061	NA	-0.05393	NA	-0.21477	NA
AT1G62190	FAD41	0	1.784246	0	1.237247	0	0	0.889303	0	0	0.995936	1.330334	0	-0.01905	NA	-0.10555	NA	0.10525	NA	
AT1G62200	NPF8.5	271.0701	353.2807	354.1049	278.3805	282.8735	315.9985	389.5149	370.0592	310.4462	247.5602	255.4241	310.772	-0.15377	0.436512	0.131796	0.534645	-0.25508	0.379474	
AT1G62210	AT1G62210	0	0	0	0	0	0	0	0	0.976246	0	0	0	0	NA	0.14724	NA	0.156349	NA	
AT1G62214	AT1G62214	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA	
AT1G62220	AT1G62220	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA	
AT1G62225	AT1G62225	0	0	1.287654	7.011065	6.242673	7.974726	2.66791	2.15778	5.857476	0	0	0	1.883397	0.002008	1.093183	0.107593	-0.33086	NA	
AT1G62230	AT1G62230	0	0	0	0	0	0	0.976246	0	0	0	0	2.071813	0	NA	0.14122	NA	0.2956	NA	
AT1G62240	AT1G62240	1.188904	0	2.575309	1.649662	1.987402	1.993682	0.889303	2.15778	0.972246	1.919071	1.330334	1.035907	0.221084	0.781804	-0.02091	0.980922	0.035622	NA	
AT1G62250	AT1G62250	324.5708	476.3937	489.3086	321.2717	298.1103	271.1407	353.0535	250.3025	290.9213	626.5768	623.9266	528.3123	-0.51467	0.0082	-0.50967	0.011427	0.455991	0.093381	
AT1G62260	PCMP-E10	36.85602	39.25341	38.62963	30.51875	21.86142	33.89259	41.79726	47.47116	34.16861	25.90746	34.58868	34.18492	-0.39222	0.24313	0.101265	0.810682	-0.26415	0.668408	
AT1G62262	SLAH4	0	0	0	6.186234	6.242673	3.987363	7.114428	9.710009	1.952492	0	1.330334	0	1.747731	0.004491	1.803615	0.003938	0.091156	NA	
AT1G62270	AT1G62270	0	0	0	0.662467	0	0	0.889303	0	0	0	0	0	0.097058	NA	0.130384	NA	0	NA	
AT1G62280	SLAH1	3.566712	0	0	0	0	0	0	0	0	0	0	0	-0.5299	NA	-0.50432	NA	-0.32773	NA	
AT1G62290	AP2A	38.04493	41.03766	56.65679	9.485558	9.274542	8.971567	20.45398	14.02557	21.47741	59.49121	55.87403	38.32854	-2.07149	5.43610	-1.17153	0.000652	0.170146	0.804253	
AT1G62300	WRK6V	39.23383	35.68492	39.91728	200.8464	149.7176	230.2702	309.4776	317.1936	177.6768	33.58375	54.54369	27.96948	2.177914	9.96615	2.628558	4.08E-21	-0.01992	0.983741	
AT1G62301	AT1G62301	0	0	0	0	0	0	1.07889	0	0	0	0	0	0	NA	0.16673	NA	0	NA	
AT1G62305	AT1G62305	41.61164	51.74313	45.0679	69.28582	70.884	51.83572	80.92662	65.81229	67.36097	47.97678	42.57069	49.72351	0.481173	0.073241	0.617388	0.024196	0.034798	0.962641	
AT1G62310	AT1G62310	357.8601	421.0821	30.2242	216.1058	142.4305	308.0238	435.7587	510.3149	254.8002	377.0975	388.4575	355.3159	-0.72602	0.008612	0.085776	0.819813	-0.00865	0.990956	
AT1G62320	AT1G62320	1.188904	0	1.287654	1.237247	3.312336	3.987363	3.552714	1.07889	1.954492	1.919071	0	1.035907	0.603398	0.330409	0.500338	0.508744	-0.093549	NA	
AT1G62330	AT1G62330	304.3594	264.0684	245.942	196.7222	164.2919	208.3397	184.0858	227.6458	150.3419	295.537	268.7275	220.6481	-0.50725	0.01109	-0.52502	0.011289	-0.05317	0.913172	
AT1G62333	AT1G62333	1.188904	0	0	0.662467	0	0	1.07889	0	0	0	1.330334	0	-0.1144	NA	-0.03819	NA	-0.00924	NA	
AT1G62340	SBT2.4	0	0	0	0.662467	0	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA	
AT1G62350	AT1G62350	21.40027	8.92123	19.31482	20.20836	17.88662	17.94313	21.34328	17.26224	21.47741	9.595356	13.30334	24.86176	0.121691	0.820094	0.205765	0.707608	-0.08618	0.937239	
AT1G62355	MIR413	0	1.784246	7.725926	7.42348	2.649869	5.981045	4.446517	7.55223	1.952492	2.878607	2.660668	2.154539	0.456468	0.525206	0.29462	0.716299	0.159117	NA	
AT1G62360	STM	131.9683	94.56504	101.7247	82.0707	47.03518	55.82308	60.47264	59.33895	80.07359	118.0229	109.0874	91.15977	-0.77546	0.004165	-1.0071	0.000282	-0.04893	0.945273	
AT1G62370	AT1G62370	5.94452	8.92123	5.15617	23.9201	21.19895	15.94945	16.89672	10.7889	21.47741	9.595356	11.97301	6.215439	1.376769	0.002765	1.070534	0.034286	0.349677	NA	
AT1G62380	AC02	3928.139	4128.745	4027.783	2702.559	2625.358	2591.786	2129.882	2019.682	2174.1	3636.64	3218.078	4041.071	-0.60443	3.97E-09	-0.92669	4.22E-20	-0.14734	0.428894	
AT1G62390	Phox2	1676.355	1261.467	1178.204	757.6074	862.5324	806.4442	848.3955	959.1332	1086.562	1102.506	1237.211	1166.431	-0.75134	1.2E-06	-0.50117	0.00217	-0.22936	0.400674	
AT1G62400	HT1	23.77808	24.97944	30.9037	14.69662	15.89921	10.96525	17.78607	22.65669	14.64369	19.19071	21.28534	24.86176	-0.76311	0.042799	-0.48892	0.252863	-0.26115	0.727878	
AT1G62410	AT1G62410	0	0	0	0	0	0	0.889303	0	0	0	1.330334	0	0	NA	0.141773	NA	0.183636	NA	
AT1G62420	AT1G62420	0	0	0	4.124156	3.312336	3.987363	1.778607	3.23667	0.976246	0	0	1.035907	1.496784	0.014752	0.868986	0.199298	0.124924	NA	
AT1G62421	AT1G62421	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G62422	AT1G62422	51.12287	67.80135	39.91728	115.0639	131.1685	103.6714	168.9677	104.6523	229.4178	45.09817	61.19536	46.61579	1.086617	0.000192	1.583974	2.27E-08	-0.04712	0.955937	
AT1G62430	CD51	628.9302	610.2121	596.184	397.1562	459.7523	455.5562	626.959	571.8117	509.6004	596.8312	613.284	581.1436	-0.48331	0.000128	-0.10179	0.526064	-0.03558	0.910917	
AT1G62440	LRX2	15.45575	7.136984	11.58889	0.412416	0.662467	1.993682	3.557214	1.07889	0.976246	3.838143	9.312338	5.179533	-2.33496	0.000045	-1.76737	0.003173	-0.75147	NA	
AT1G62450	AT1G62450	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA	
AT1G62460	AT1G62460	0	1.784246	0	0	0.662467	0	0	0	0	0	0	3.10772	-0.14686	NA	-0.24299	NA	0.212226	NA	
AT1G62480	AT1G62480	1458.785	1118.722	1510																

AT1G62910	AT1G62910	57.06739	64.23286	59.2321	48.25262	41.07297	36.88311	49.80099	64.7334	20.50117	58.53167	69.17737	53.86714	-0.46338	0.183281	-0.38885	0.307599	0.007921	0.992945
AT1G62914	AT1G62914	83.22328	89.2123	83.69753	48.25262	39.08557	60.80729	77.3694	93.86342	33.19236	84.43914	78.4897	68.36983	-0.74698	0.018363	-0.30417	0.41717	-0.13464	0.850178
AT1G62920	AT1G62920	27.34479	28.54794	28.3284	30.10634	35.11077	34.88943	38.24000	21.5778	22.45366	47.97678	14.63367	26.93357	0.220355	0.629579	-0.02118	0.969539	0.106942	0.90941
AT1G62930	AT1G62930	85.60108	60.66437	87.5605	69.69823	51.00998	68.78201	54.24751	76.60119	54.66978	91.15588	93.12338	93.23159	-0.30734	0.252309	-0.34315	0.231181	0.221689	0.633145
AT1G62935	AT1G62935	0	1.784246	1.287654	0	1.987402	0	1.778607	0	2.928738	0.995936	1.330334	2.071813	-0.17926	0.812618	0.24633	0.750873	0.188386	NA
AT1G62940	CLL1	10.70014	26.76369	24.46543	0.824831	1.987402	1.993682	2.66791	4.31556	0.928738	28.78607	23.94601	27.96948	-2.78113	8.82E-09	-2.05592	3.26E-05	0.402688	NA
AT1G62950	AT1G62950	72.52314	55.31163	73.3963	42.4788	50.34751	53.8294	51.5796	52.86561	31.23987	76.76285	59.86503	94.76749	-0.46021	0.112963	-0.55042	0.071819	0.186858	0.739252
AT1G62960	ACS10	584.9407	62.62704	571.7185	385.1961	361.7071	332.9448	303.2525	286.9847	194.273	541.1781	536.1246	570.2845	-1.70569	8.72E-06	-1.16032	1.88E-13	-0.10958	0.746278
AT1G62970	AT1G62970	107.0014	87.42806	73.3963	63.92441	47.03518	59.81045	62.25124	75.5223	49.78855	72.92471	69.17737	60.08258	-0.62155	0.013959	-0.49941	0.069871	-0.39208	0.348362
AT1G62975	BHLH125	9.511232	14.27397	12.87654	21.03319	22.52389	26.9147	27.56841	16.18335	17.57243	41.26003	34.58868	33.14901	0.813267	0.042606	0.660946	0.138025	1.419277	0.002443
AT1G62978	AT1G62978	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G62980	EXPA18	0	0	0	0	0	0	0	0	0.976246	0.995936	0	0	0	NA	0.146371	NA	0.148275	NA
AT1G62981	AT1G62981	11.88904	7.136984	5.150617	3.71174	7.28714	1.993682	0.889303	3.23667	1.952492	6.716749	11.97301	6.215439	-0.63592	0.311143	-1.29164	0.038178	0.012257	NA
AT1G62990	KNAT7	15.45575	32.11643	23.17778	28.04426	21.19895	20.93366	23.12189	28.05114	13.66744	34.54328	35.91902	25.89766	0.041677	0.935447	-0.08522	0.874531	0.434813	0.5164
AT1G63000	NRS/ER	515.9843	426.4348	436.5148	381.4844	406.0924	383.7837	378.8433	332.2981	422.7145	426.0338	388.4575	491.0197	-0.23529	0.14999	-0.28024	0.069737	-0.07877	0.815524
AT1G63005	MIR399B	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G63010	AT1G63010	569.485	594.1539	468.7062	507.6836	465.052	529.3225	613.6194	625.7562	477.3843	458.658	449.6529	597.7181	-0.11663	0.571816	0.073156	0.752908	-0.11075	0.759637
AT1G63020	NRPD1	85.60108	41.03766	64.38272	30.51875	22.52389	23.92418	33.79933	33.44559	15.61994	57.57214	55.87403	55.93895	-1.22079	0.000106	-1.13461	0.000619	-0.18106	0.788881
AT1G63030	DREB1E	0	0	0	0	0	0	2.66791	0	0.976246	0	0	0	0	NA	0.569249	NA	0	NA
AT1G63040	AT1G63040	0	0	0	0	0	0	0	0	0	2.660668	0	0	0	NA	0	NA	0.322821	NA
AT1G63050	LPLA72	108.1903	98.13353	99.14938	108.0529	116.5942	97.6904	123.6132	107.889	95.67211	91.15588	63.85603	117.0574	0.076643	0.793657	0.094847	0.761897	-0.15149	0.757199
AT1G63055	AT1G63055	0	0	2.575309	1.237247	0	0	0.889303	0	1.952492	0.995936	0	0.1035907	-0.20083	NA	0.036364	NA	-0.07966	NA
AT1G63057	AT1G63057	0	1.784246	1.287654	0	0	0	0.889303	0	0	0	0	0	-0.52682	NA	-0.29362	NA	-0.48177	NA
AT1G63060	AT1G63060	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G63070	AT1G63070	14.26685	10.70548	9.01358	6.186234	6.624673	5.981045	6.225124	7.55223	3.904984	13.4335	10.64267	16.5745	-0.70746	0.174255	-0.76258	0.176216	0.232089	NA
AT1G63080	AT1G63080	49.93397	69.5856	55.36914	30.10634	32.4609	32.89575	39.12935	24.81447	36.1211	51.81492	67.84703	55.93895	-0.81986	0.002809	-0.73411	0.013119	0.015106	0.985214
AT1G63090	PP2A1	438.7056	409.643	395.3099	391.3824	425.304	472.2505	560.2612	479.0271	526.1966	465.3748	509.5179	559.3895	-0.02177	0.991399	0.285646	0.064107	0.255236	0.258811
AT1G63100	SLC28	148.613	110.6233	139.0667	152.5938	131.831	160.4914	135.1741	162.9124	129.8407	141.0517	126.3817	185.4273	0.141546	0.566835	0.086743	0.760169	0.17362	0.675182
AT1G63105	AT1G63105	0	0	1.287654	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19198	NA
AT1G63110	AT1G63110	408.983	372.9074	450.679	332.8194	345.1454	389.7647	384.1791	372.217	297.755	381.8952	332.5835	374.9982	-0.21215	0.206017	-0.22521	0.202392	-0.17602	0.533102
AT1G63120	ATRB12	200.9248	208.7568	198.2988	195.0726	170.9166	187.4061	183.1965	199.5946	168.8906	211.0978	212.8534	188.353	-0.12905	0.480757	-0.13725	0.484917	0.011296	0.981804
AT1G63130	AT1G63130	162.8798	123.113	151.9432	108.8777	104.0074	101.6778	135.1741	126.2301	106.4180	155.4448	162.3007	184.3914	-0.47427	0.012366	-0.25661	0.239311	0.181786	0.602936
AT1G63140	AT1G63140	5.94452	1.784246	1.510617	0.824831	2.649896	0	3.57214	1.07889	0.976246	3.838143	5.321336	3.10772	-1.02481	0.121112	-0.68265	0.352746	-0.07448	NA
AT1G63150	AT1G63150	33.28931	53.52738	45.0679	34.64291	35.77323	38.87679	44.46517	34.52448	23.4299	44.13864	49.22236	49.72351	-0.24249	0.486984	-0.31468	0.392746	0.130127	0.850918
AT1G63160	RF2	93.92341	57.09587	65.67037	94.85558	96.72022	84.73147	72.03358	66.89118	69.31347	80.60099	62.5257	66.29802	0.32477	0.195683	-0.07521	0.821601	-0.06068	0.920201
AT1G63170	AT1G63170	395.905	469.2567	453.2543	371.5864	368.9943	383.7837	345.0498	368.9804	431.5007	410.6812	440.3405	418.31562	-0.22411	0.124667	-0.19682	0.123497	-0.0512	0.874756
AT1G63180	UGE3	66.57862	60.66437	66.95803	70.11065	78.17114	92.70619	144.9565	116.5201	133.7457	94.99403	79.82004	93.23509	0.271015	0.274855	0.989739	3.94E-06	0.446921	0.203688
AT1G63190	AT1G63190	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0.172362	NA
AT1G63200	AT1G63200	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G63205	AT1G63205	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT1G63206	AT1G63206	0	0	0	0	0	0	0	0	0.976246	0.995936	0	0	0	NA	0.146371	NA	0.148275	NA
AT1G63210	AT1G63210	0	0	0	0.662467	0	0	0	0	0.995936	0	1.035907	0	0.109794	NA	0	NA	0.345429	NA
AT1G63220	AT1G63220	85.60108	83.89596	115.8889	134.4475	166.9418	111.6462	56.02612	114.3623	148.3894	123.7801	78.4897	88.05205	0.498663	0.135767	-0.141715	0.737331	0.024832	0.978296
AT1G63230	AT1G63230	36.85602	26.76369	37.34198	28.04426	20.53649	25.91786	29.34701	14.02557	18.54867	46.05771	38.57969	25.89766	-0.41024	0.290377	-0.63831	0.111013	0.108871	0.895902
AT1G63240	AT1G63240	336.4598	272.9896	271.6951	188.0615	164.2919	187.4061	186.5737	210.3835	166.9381	341.5947	423.0462	402.9676	-0.69863	1.82E-05	-0.63729	0.000175	0.392404	0.096302
AT1G63245	CL14	0	0	0	1.86234	5.962205	6.977885	5.35821	2.15778	8.786214	0	0	3.10772	1.82455	0.002094	1.628455	0.01042	0.397686	NA
AT1G63250	RH48	45.17835	46.3904	42.49259	46.19054	42.39791	70.7757	35.57214	55.02339	62.49794	38.38143	45.23135	69.40574	0.212885	0.578057	1.73948	0.681902	0.179748	0.797187
AT1G63260	TEH10	273.4479	255.1472	242.079	191.3608	252.4	285.0965	201.8179	170.4646	195.2492	256.196	250.1028	300.4129	-0.091	0.69125	-0.42997	0.031103	0.065216	0.880097
AT1G63270	ABC11	84.41218	66.0171	59.2321	83.30795	96.72022	90.71251	99.60199	91.70564	114.2208	78.68192	55.87403	66.29802	0.342634	0.166493	0.517293	0.036239	-0.05681	0.926068
AT1G63280	AT1G63280	3.566712	0	0	0.412416	0	0	0.889303	0	0	0.995936	1.330334	0	-0.53038	NA	-0.41145	NA	-0.19806	NA
AT1G63290	AT1G63290	139.1018	224.815	182.8469	254.8728	254.3874	248.2134	196.5316	206.068	255.7765	171.7569	148.9974	227.8994	0.469027	0.03158	0.271189	0.27525	0.02068	0.972983
AT1G63295	AT1G63295	26.15589	19.62671	38.62963	25.98218	29.14856	21.9305	15.11816	8.63112	18.54867	38.38143	31.92802	32.1131	-0.12774	0.750883	-0.89812	0.023706	0.243849	0.735019
AT1G63300	AT1G63300	221.1361	160.5182	151.9432	14.2156	54.32232	56.81992	69.36567	56.10228	62.47974	70.7757	174.2738	134.6678	-1.7732	1.17E-16	-1.45384	4.26E-11	-0.15636	0.725981
AT1G63310	AT1G63310	45.17835	35.68492	46.35556	25.56977	19.87402	17.94313	25.7898	16.18335	29.28738	59.49121	31.92802	53.86714	-0.91					

AT1G63820	AT1G63820	0	0	1.287654	2.886909	2.649869	1.993682	2.66791	5.39445	4.88123	1.919071	1.330334	2.071813	0.805882	0.235534	1.268048	0.055783	0.520864	NA
AT1G63830	AT1G63830	413.7386	513.8629	435.2272	654.0911	646.5681	706.7601	793.2587	780.0374	855.1915	450.0222	605.302	428.8653	0.55292	0.000374	0.824718	4.94E-08	0.12084	0.708053
AT1G63835	AT1G63835	0	0	0.412416	0	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT1G63840	AT1G63840	42.80054	30.33218	37.34198	82.48311	84.79581	80.7441	97.82338	71.20674	150.3419	45.09817	39.91002	44.54398	1.076137	0.000216	1.425134	6.6E-07	0.194831	0.768527
AT1G63850	AT1G63850	269.8812	210.541	227.9148	119.1881	127.8562	115.6335	113.8308	146.729	104.4583	233.1672	220.8354	252.7612	-0.95044	2.39E-08	-0.94656	8.21E-08	-0.00745	0.988816
AT1G63855	AT1G63855	28.53369	32.11643	34.76667	37.1174	31.13596	27.91154	28.45771	24.81447	32.21612	30.70514	30.59768	31.10772	0.038253	0.928151	-0.14141	0.741568	-0.03972	0.963148
AT1G63860	AT1G63860	164.0687	142.7397	124.9025	160.8421	188.1407	209.3366	150.2923	174.7802	146.4369	95.9536	81.15037	103.5907	0.350795	0.083055	0.11975	0.636764	-0.59811	0.02726
AT1G63870	AT1G63870	2.377808	3.568492	0	0.824831	1.987402	2.990522	6.252514	4.31556	0	0.959536	1.330334	3.10772	-0.0492	0.954624	0.454358	0.557954	-0.03463	NA
AT1G63880	AT1G63880	898.8114	1093.743	888.4815	1059.083	1051.336	1221.13	1158.762	1223.461	869.8352	760.9118	766.2724	804.8994	0.207378	0.232533	0.174167	0.353179	-0.29734	0.228165
AT1G63900	DALI	228.2696	297.9661	226.6272	270.957	224.5764	285.0965	287.245	228.7247	284.0876	225.4909	219.5051	206.1454	0.058767	0.795103	0.097648	0.671236	-0.19552	0.552667
AT1G63910	ATMYB103	1.188904	1.784246	2.575309	1.649662	1.987402	0	2.66791	0	0.976246	2.878607	1.330334	4.143626	-0.22351	0.780186	-0.22701	0.788302	0.324499	NA
AT1G63920	AT1G63920	0	0	0	0	0	0	0.889303	0	0.976246	0	0	0	0	NA	0	NA	0	NA
AT1G63930	ROH1	0	3.568492	1.287654	2.062078	1.324935	3.987363	3.23667	0.976246	1.919071	2.660668	0	0	0.326826	0.670147	0.065278	0.941525	-0.00193	NA
AT1G63940	MDAR6	720.4758	672.6608	642.5395	581.0935	527.9864	556.2372	545.143	602.0206	501.7904	658.2414	662.5063	641.2261	-0.28656	0.019211	-0.30295	0.017085	-0.05377	0.846992
AT1G63950	AT1G63950	0	0	0.412416	0.662467	0	0	0.889303	1.07889	0	0	0	0	0.405909	NA	0.374081	NA	0	NA
AT1G63960	AT1G63960	0	0	1.287654	0.412416	0.662467	0	0	0	0	3.991002	1.035907	0	-0.05841	NA	-0.27919	NA	0.490896	NA
AT1G63970	ISPF	769.2209	817.1847	845.9889	739.4611	897.6432	1.324935	719.719	801.2624	721.7774	1036.773	926.9114	947.1978	-0.04399	0.837396	0.073069	0.738191	0.147158	0.636115
AT1G63980	AT1G63980	1425.496	1375.654	1568.363	1221.163	1277.237	1114.468	1412.214	1385.295	1426.295	1731.002	2324.093	1583.901	-0.26992	0.097883	-0.04871	0.819245	0.360387	0.100381
AT1G63990	SP011-2	2.377808	1.784246	1.287654	2.474493	2.649869	2.990522	0.889303	1.07889	0.952492	2.878607	2.660668	5.179533	0.29013	0.709132	-0.23706	0.780446	0.544093	NA
AT1G64000	WRKY56	0	0	0	0.412416	0.662467	0	0.889303	0	0	0	0	0	0.457403	NA	0.144287	NA	0	NA
AT1G64010	AT1G64010	0	0	0	1.649662	2.649869	0	1.778607	1.07889	1.952492	0	0	0.2071813	0.686514	0.269729	0.698045	0.27422	0.316982	NA
AT1G64020	AT1G64020	1.188904	0	0	0	1.324935	0	0	0	0	0	0	0	0.030611	NA	-0.18362	NA	-0.17911	NA
AT1G64030	ATSRP3	0	1.784246	1.287654	0	0	0	1.778607	1.07889	0	0	1.919071	0	-0.50877	NA	-0.46977	NA	-0.09982	NA
AT1G64035	AT1G64035	1.188904	0	0	0	0	0	1.778607	1.07889	0	0	0	0	-0.27694	NA	0.267261	NA	-0.23146	NA
AT1G64040	TOPP3	513.6065	574.5272	623.2247	656.978	702.8778	687.8201	665.199	619.2828	759.5194	491.2822	582.6863	501.3788	0.25584	0.07809	0.254492	0.09467	-0.11991	0.659653
AT1G64050	AT1G64050	315.0595	360.4177	288.4346	280.4426	305.3974	316.9954	361.9465	387.3215	180.6055	232.2076	278.0398	193.1615	-0.08978	0.77364	-0.04778	0.889928	-0.25086	0.579215
AT1G64060	RBOHF	181.9023	201.6198	207.3123	305.1875	239.1507	361.8532	269.459	277.2747	158.1519	233.1672	214.1838	296.1262	0.593895	0.01052	0.264054	0.37332	0.121545	0.81058
AT1G64065	AT1G64065	21.40027	23.1952	27.04074	46.19054	47.69764	65.79149	84.48383	85.23231	134.7219	12.47396	10.64267	9.323159	1.05092	0.001223	1.957076	1.62E-10	-0.96961	0.072708
AT1G64070	RLM1	1.188904	0	3.862963	0.412416	0.662467	0	1.778607	1.07889	0	0	1.330334	1.035907	-0.65294	0.309252	-0.30206	0.883266	-0.4039	NA
AT1G64080	MAKR2	73.71204	60.66437	77.25926	89.9066	75.52127	71.77254	87.15174	81.99564	55.64602	80.60099	61.19536	75.62118	0.159783	0.58705	0.073538	0.833395	0.035205	0.959593
AT1G64090	RTNLB3	964.2011	1047.352	1067.465	1094.139	1352.096	1151.351	1026.256	910.5831	1190.044	1010.391	760.951	1070.191	0.220799	0.226391	0.022607	0.925246	-0.11141	0.746516
AT1G64100	AT1G64100	8.322328	3.568492	12.87654	1.649662	3.312336	0.996841	3.527214	3.23667	0.976246	6.335821	3.991002	7.251346	-1.392	0.109137	-1.14637	0.072314	-0.23643	NA
AT1G64105	ANAC027	0	3.568492	0	2.062078	1.987402	0	1.07889	2.928738	0.959536	0	0	0	0.164856	0.823142	0.107489	0.890801	-0.29636	NA
AT1G64107	AT1G64107	0	0	1.287654	1.649662	1.987402	1.993682	0.889303	4.31556	0	1.919071	0	0.2071813	0.569813	0.407589	0.486689	0.503635	0.376246	NA
AT1G64110	AT1G64110	7.133424	3.568492	3.862963	0.824831	0	5.981045	4.46517	3.23667	0.976246	5.757214	1.330334	8.287252	-0.71696	0.301167	-0.42491	0.58815	0.065924	NA
AT1G64120	AT1G64120	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G64130	AT1G64130	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G64140	AT1G64140	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G64142	CPuORF23	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G64150	AT1G64150	285.3369	344.3595	321.9136	244.15	219.2767	226.2829	417.9726	309.6414	299.7075	385.7333	291.3431	441.2962	-0.44782	0.025118	0.112918	0.654011	0.234403	0.498675
AT1G64160	DIRS	0	0	0	0.824831	0.662467	0	0.889303	0	0	0	0	0	0.28583	NA	0.151646	NA	0	NA
AT1G64170	CHX16	32.10041	28.54794	24.46543	119.1881	112.6194	137.564	85.37313	102.4945	75.17094	15.35257	13.30334	19.68222	2.013298	2.41E-15	1.535731	8.61E-09	-0.7219	0.143833
AT1G64180	AT1G64180	101.0568	130.25	110.7383	61.44992	72.20893	56.81992	58.64093	86.3112	102.6058	99.79171	78.4897	96.33991	-0.79852	0.000792	-0.44407	0.095077	-0.28869	0.506385
AT1G64185	AT1G64185	11.88904	5.352738	12.87654	13.60971	16.56168	13.95577	13.39955	15.10446	27.33489	11.51443	13.30334	6.215439	0.415303	0.430863	0.708746	0.169616	-0.02441	NA
AT1G64190	AT1G64190	452.9724	431.7875	375.9951	282.9171	342.4956	299.0522	280.1306	325.8248	375.8547	327.2016	317.9498	325.2747	-0.44132	0.005209	-0.3556	0.035179	-0.37034	0.106412
AT1G64195	AT1G64195	0	0	0	0	1.778607	0	0	1.952492	0	0	0	0.1035907	0	NA	0.059037	NA	0.175357	NA
AT1G64200	VHA-E3	114.1348	178.4246	213.7506	155.8931	184.8284	181.425	200.0933	170.4646	221.6078	399.1668	464.2866	342.8851	0.042494	0.889124	0.223502	0.412899	1.215791	3.14E-07
AT1G64210	AT1G64210	4.755616	0	2.575309	2.062078	2.649869	2.990522	1.778607	5.39445	2.928738	2.878607	3.991002	4.143626	-0.07136	0.933733	0.179512	0.834128	0.26603	NA
AT1G64220	TOM7-2	4.755616	1.784246	1.287654	4.124156	2.649869	0.996841	3.535821	2.15778	8.786214	1.919071	9.312338	5.179533	-0.02495	0.97658	0.630206	0.411382	0.56392	NA
AT1G64230	UBC28	3614.268	3861.108	3756.088	3617.297	4100.01	3591.617	3756.418	3661.752	3819.074	3240.352	3740.899	3134.653	0.010293	0.947021	0.001133	0.994224	-0.15011	0.42371
AT1G64235	AT1G64235	0	0	0	0	0	0	0.889303	0	1.952492	0.959536	0	0.1035907	-0.61799	NA	0.03102	NA	-0.1075	NA
AT1G64240	AT1G64240	0	1.784246	1.287654	0	0	0	0.889303	0	1.952492	0.959536	0	0.1035907	-0.61799	NA	0.03102	NA	-0.1075	NA
AT1G64250	AT1G64250	13.07794	8.92123	12.87654	4.948987	2.649869	3.987363	8.003731	3.23667	0.976246	6.762625	14.63367	11.39497	-1.20476	0.026973	-1.11677	0.055823	-0.06139	NA
AT1G64255	AT1G64255	0	0	0	0.412416	0.662467	0	1.778607	0	0	0	0	0	0.191226	NA	0.295924	NA	0	NA
AT1G64260	AT1G64260	16.64466	10.70548	12.87654	7.835896	5.299738	8.971567	9.782338	5.39445	7.809968	15.35257	9.312338	8.287252	-0.7447					

AT1G64650	AT1G64650	890.4891	692.2875	705.6346	508.096	561.7722	583.1519	562.0398	544.8394	466.6456	597.7907	619.9356	601.8617	-0.46899	0.000913	-0.53595	0.00018	-0.32986	0.113698
AT1G64660	MGL	115.3237	99.91778	91.42346	85.78244	72.20893	76.75674	95.15547	130.5457	86.85879	87.31774	57.20436	66.29802	-0.36797	0.147827	0.020059	0.95327	-0.50946	0.168123
AT1G64670	BGD1	137.9129	133.8185	122.3272	113.2019	96.05775	147.3244	88.04104	72.28563	85.57476	134.335	127.7121	120.1652	-0.15164	0.058866	-0.81378	0.000361	-0.04122	0.934411
AT1G64680	AT1G64680	911.8893	1095.527	1015.959	806.2724	762.4998	659.9086	1219.235	1224.54	1474.131	1216.691	1346.298	1110.492	-0.42904	0.003133	0.37089	0.013627	0.278182	0.211769
AT1G64690	BLT	27.34479	14.27997	23.17778	17.32145	19.87402	14.95261	14.22886	28.05114	31.23987	39.34096	34.58868	18.64632	-0.3001	0.526723	0.125262	0.821695	0.430869	0.555797
AT1G64700	AT1G64700	8.322328	12.48972	10.30123	10.31039	10.59948	8.971567	11.86779	15.61994	8.63821	9.312338	9.323163		-0.01889	0.976282	0.302438	0.066159	-0.13832	NA
AT1G64710	AT1G64710	265.1256	365.7704	315.4753	722.1397	626.0316	666.8865	811.9341	879.2953	762.4481	629.6295	356.5295	273.4973	1.07986	2.2E-12	1.357956	1.82E-13	-0.07013	0.858201
AT1G64720	CP5	114.2078	16548.88	14059.9	7303.055	5984.067	6939.007	5509.235	7401.185	7460.472	12285.89	9954.889	12577.98	-1.12465	1.02E-13	-1.11468	4.87E-19	-0.35438	0.134699
AT1G64730	AT1G64730	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0.172362	NA
AT1G64740	TUBA1	468.4282	460.3355	430.0766	407.879	344.483	475.4931	402.8545	450.976	297.755	347.3519	316.6195	350.1364	-0.14599	0.492011	-0.23411	0.265275	-0.41116	0.123878
AT1G64750	DSS1(I)	315.0595	337.2225	370.8445	658.2153	694.9282	470.5088	444.6517	370.0592	904.0038	414.5194	482.9112	424.7217	0.791834	0.004359	0.70918	0.013888	0.349112	0.474426
AT1G64760	AT1G64760	96.30122	76.72258	83.69753	94.85558	90.09555	134.5735	120.9453	118.6779	97.6246	98.83217	122.3907	94.26799	0.276991	0.278728	0.370265	0.156595	0.269701	0.526799
AT1G64770	PNSB2	666.9571	690.5032	636.1012	496.5484	437.8909	396.7426	614.5087	685.0951	845.429	772.4262	831.4587	830.797	-0.56784	0.000141	0.104667	0.585961	0.284648	0.225633
AT1G64780	AMT1-2	52.31177	32.11643	41.20494	10.31039	9.937009	4.984204	8.893035	7.55223	4.86214	40.3005	35.91902	33.14901	-2.04435	3.86E-09	-2.0664	3.16E-08	-0.19846	0.781222
AT1G64790	ILA	1355.35	1111.585	972.179	515.5195	474.989	711.7443	770.1368	811.3252	743.2157	893.3277	905.9574	1029.691	-0.98094	1.34E-05	-0.73731	0.001724	-0.27193	0.514465
AT1G64800	AT1G64800	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT1G64810	APO1	285.3369	324.7328	301.3111	299.0013	288.8357	347.8974	404.6331	452.0549	380.7359	313.7682	279.3701	327.3465	0.035373	0.856726	0.438299	0.003803	0.021514	0.958517
AT1G64820	AT1G64820	3.566712	0	1.287854	0	0	0.996841	0.889303	1.07889	0.976246	0.995936	2.660668	1.035907	-0.7919	0.220588	-0.30524	0.690043	-0.07808	NA
AT1G64830	AT1G64830	0	0	0	0	0	0	1.07889	0	0	0	0	1.035907	0	NA	0.157605	NA	0.157555	NA
AT1G64840	AT1G64840	123.646	103.4863	103.0123	99.39215	113.9444	105.6651	106.7164	119.7568	110.3158	97.87263	74.4987	105.6625	-0.05797	0.824644	-0.019871	0.946003	-0.23586	0.533237
AT1G64850	AT1G64850	325.7597	465.6882	382.4333	574.9073	590.9208	470.5088	488.2276	397.0315	644.3224	414.5194	492.2236	497.2351	0.473069	0.023492	0.376782	0.092266	0.254822	0.48203
AT1G64860	SIGA	2357.597	2517.571	2464.57	1283.85	1370.645	1331.779	1374.863	1286.037	1019.201	2633.925	2642.043	2732.721	-0.87172	8.56E-14	-0.98506	3.77E-17	0.125084	0.590246
AT1G64870	AT1G64870	0	0	0	0.412416	0	0.996841	0	0	0	0	0	0	0.224618	NA	0	NA	0	NA
AT1G64880	AT1G64880	520.7399	513.8629	498.3222	454.0695	447.1654	410.6984	401.9652	443.4238	447.1207	414.5194	377.8148	496.1992	-0.21863	0.136579	-0.24381	0.111634	-0.24422	0.271055
AT1G64890	AT1G64890	84.41218	94.56504	78.54691	80.42104	80.15854	70.7757	88.93035	93.86342	104.4583	77.72239	53.21336	87.01615	-0.13381	0.62247	0.160041	0.572987	-0.2091	0.637826
AT1G64900	CYP89A2	625.3635	651.2498	668.2926	336.1187	274.9239	295.0649	349.4963	370.0592	335.8286	639.0507	500.2056	688.8778	-1.08051	4.23E-14	-0.86842	3.26E-09	-0.08425	0.795239
AT1G64910	UGT79B10	0	0	0	0.412416	0	0	0	0	0	0	1.330334	1.035907	0.073248	NA	0	NA	0.388114	NA
AT1G64920	UGT79B11	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0.172362	NA
AT1G64930	CYP89A7	3.566712	3.568492	5.150617	2.886909	3.123236	0.996841	4.446517	5.39445	7.809968	8.388143	5.321336	8.287252	-0.4772	0.490156	0.361103	0.629878	0.345166	NA
AT1G64940	CYP89A6	34.47821	39.25341	27.04074	41.24156	41.07297	32.89575	35.57214	53.9445	51.74104	26.867	26.60668	22.78994	0.210454	0.562253	0.465614	0.179596	-0.35958	0.549468
AT1G64950	CYP89A5	310.3039	321.1643	275.558	375.2982	347.7953	386.7742	403.7438	444.5027	474.4556	297.456	308.6375	260.1021	0.289307	0.001204	0.539465	0.000141	-0.06499	0.84885
AT1G64960	AT1G64960	191.4135	140.9554	135.2037	82.0707	97.38269	118.6241	126.2811	124.0723	94.65986	137.2136	142.3457	147.0987	-0.65505	0.052388	-0.43129	0.068752	-0.13504	0.768141
AT1G64970	VF4	322.193	283.6951	287.1469	379.8347	363.0321	390.7166	285.6464	310.7203	282.1351	347.3519	328.5925	310.772	0.334934	0.012178	-0.02935	0.880571	0.13585	0.579265
AT1G64980	CDI	367.3713	362.2019	379.858	317.56	289.4982	286.0933	240.1119	252.4602	229.4178	352.1496	482.9112	351.1723	-0.30498	0.065844	-0.10309	0.000145	0.088467	0.947966
AT1G64990	GTG1	285.3369	306.8903	242.079	347.2539	368.9943	368.8311	337.064	381.927	327.0424	285.9416	256.7545	316.9874	0.376956	0.01339	0.325148	0.046078	0.05115	0.888867
AT1G65000	AT1G65000	33.28931	33.90067	29.61605	55.6761	62.27192	51.83572	44.23449	42.47974	39.34096	45.23135	27.96948		0.767823	0.009811	0.833385	0.006673	0.190198	0.77299
AT1G65010	AT1G65010	1366.051	876.0648	798.3457	288.6909	337.1958	365.8406	370.8396	428.3193	416.857	793.536	908.6181	847.3715	-1.57928	1.95E-17	-1.28967	8.32E-12	-0.25003	0.47309
AT1G65020	AT1G65020	128.4016	137.3869	119.7519	203.7333	206.0273	187.4061	166.2998	171.5435	199.1542	133.3755	145.0064	147.0987	0.629327	0.000141	0.477237	0.008322	0.141814	0.687982
AT1G65030	AT1G65030	55.87849	89.2123	75.97161	91.14384	108.6446	84.73147	90.70896	75.5223	81.02842	74.84378	93.12338	69.40754	0.374669	0.134666	0.174363	0.555785	0.108535	0.846647
AT1G65032	AT1G65032	32.10041	44.60615	34.76667	43.71605	58.95959	30.90206	52.46891	39.91893	55.64602	31.66468	34.58868	33.14901	0.278873	0.433479	0.40491	0.26017	-0.1396	0.851629
AT1G65040	HRD1B	403.0384	430.0033	481.5827	1465.313	1656.168	1553.078	1260.143	1021.709	890.3363	448.1031	465.6169	454.763	1.801397	1.06E-37	1.251111	2.98E-18	0.055733	0.87994
AT1G65050	AT1G65050	0	0	0	0.662467	0	2.66791	0	0	0	0	0	0	0.083675	NA	0.363126	NA	0.050227	0.936173
AT1G65060	4CL3	78.46766	83.85956	96.57408	35.46774	50.34751	32.89575	35.57214	49.81447	42.26162	92.11542	94.45371	81.83662	-1.07331	9.73E-06	-1.39938	6.05E-08	0.050227	0.936173
AT1G65070	AT1G65070	306.7372	349.7122	311.6124	315.0855	282.8735	274.1312	393.9614	218.8822	286.0041	350.2305	391.1182	379.1418	-0.14035	0.485119	0.183508	0.365243	0.209231	0.489522
AT1G65080	ALB1L	41.61164	28.54794	27.04074	39.5919	54.98478	47.84836	53.35821	37.76115	56.62227	37.42189	19.95501	18.64632	0.490314	0.167531	0.550375	0.138408	-0.31721	0.636505
AT1G65090	AT1G65090	0	0	0	0.824831	0.662467	0	1.778607	1.07889	0	0	0	1.035907	0.278657	NA	0.47952	NA	0.172389	NA
AT1G65110	AT1G65110	5.94452	7.136984	1.287654	2.886909	7.28714	10.96525	8.003731	8.63112	6.833722	7.676285	10.64267	6.215439	0.331097	0.624746	0.517572	0.448171	0.551644	NA
AT1G65113	SCR1L	1.188904	0	0	0	0	0	0	0	0	0	1.330334	0	-0.2006	NA	-0.2039	NA	0.001199	NA
AT1G65120	AT1G65120	10.70014	12.48972	16.73951	16.08421	17.22415	25.91786	32.01493	21.5778	11.71495	24.94793	18.62468	18.64632	0.448432	0.35201	0.610329	0.214342	0.547448	0.473308
AT1G65130	AT1G65130	2.377808	1.784246	7.725926	4.536571	1.987402	1.993682	2.66791	6.47334	6.833722	0.995936	5.321336	3.10772	-0.27277	0.717401	0.255433	0.753912	-0.25779	NA
AT1G65140	AT1G65140	0	3.568492	0	0	0.996841	0	0	0	0.191907	0	0	0	-0.30074	NA	-0.43259	NA	-0.12527	NA
AT1G65150	AT1G65150	55.87849	26.76369	39.91728	23.50769	21.86142	19.93682	23.121											

AT1G66510	AT1G66510	71.33424	76.72258	74.68395	63.512	87.44568	72.76938	64.91915	58.26006	62.47974	57.57214	49.22236	70.44164	0.00314	0.992657	-0.24679	0.401739	-0.304	0.490609
AT1G66520	pdE194	89.1678	103.4863	74.68395	90.31901	76.8462	67.78517	98.71269	63.65451	73.21845	94.03449	74.4987	96.33931	-0.15409	0.596331	-0.15823	0.616201	0.004541	0.995067
AT1G66530	AT1G66530	177.1467	206.9725	198.2988	201.2588	202.715	185.4124	174.3035	159.6757	129.8407	216.8551	214.1838	180.2477	0.025977	0.911286	-0.31531	0.105895	0.072471	0.857778
AT1G66534	AT1G66534	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G66540	AT1G66540	72.52314	67.80135	65.67037	83.72036	81.48347	95.69671	73.81219	89.54786	68.33722	118.9824	118.3997	119.1293	0.316139	0.171017	0.155254	0.579005	0.765443	0.003567
AT1G66550	WRKY67	0	0	0	0	0	0	0.824831	0.996841	0	0	0	0	0.705461	NA	0	NA	0	NA
AT1G66553	AT1G66553	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT1G66560	WRKY64	0	0	0	0.412416	0.662467	0	0	0	0	0	0	0	0.196313	NA	0	NA	0	NA
AT1G66570	SUC7	0	0	2.575309	8.248311	9.274542	11.96209	14.22886	12.94668	7.809968	1.919071	0	3.10772	1.858645	0.001262	2.067048	0.000376	0.232856	NA
AT1G66580	RPL10C	1454.03	1514.825	1657.211	2272.822	2495.514	2372.481	2127.214	2058.522	2839.9	1548.691	1394.19	1568.362	0.617384	1.22E-05	0.594439	3.25E-05	-0.03529	0.923603
AT1G66590	ATCOX19-1	68.95643	105.2705	78.54691	206.2078	280.8861	188.4029	165.4104	145.6501	214.7741	100.7512	101.1054	97.37521	1.385077	6.38E-10	1.032443	0.000011	0.247206	0.594966
AT1G66600	WRKY63	0	1.784246	0	15.67179	21.86142	20.93366	8.893035	10.7889	19.52492	0	1.330334	1.035907	2.889001	9.88E-08	2.359942	2.93E-05	-0.01754	NA
AT1G66610	AT1G66610	0	0	0	0.412416	0	0	1.778607	0	0	0	0	0	0.041097	NA	0.262196	NA	0.294751	NA
AT1G66620	AT1G66620	34.47821	24.97944	42.49259	35.05532	21.86142	40.87047	13.33955	21.5778	20.50117	28.78607	35.91902	38.32854	-0.08046	0.857321	-0.82107	0.033564	-0.00649	0.994969
AT1G66630	AT1G66630	0	0	0	0	0	0	0	0	0.976246	0.995936	0	2.071813	0	NA	0.162681	NA	0.499762	NA
AT1G66640	AT1G66640	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G66650	AT1G66650	5.94452	5.352738	9.01358	8.660727	9.274542	4.984204	8.003731	6.47334	7.809968	2.878607	5.321336	6.215439	0.165722	0.807341	0.097251	0.898075	-0.38335	NA
AT1G66660	AT1G66660	79.65566	58.88012	61.80741	108.8777	115.2693	72.76938	88.04104	106.8101	150.3419	75.80331	71.83803	79.7648	0.542233	0.050755	0.735291	0.007925	0.163497	0.780462
AT1G66670	CLPP3	836.9884	897.4758	932.2617	1041.349	1188.466	1060.639	1285.044	1222.382	1643.998	1051.651	1122.802	1041.086	0.299461	0.041416	0.630799	4.54E-06	0.26617	0.227791
AT1G66680	AR401	303.1705	346.1437	327.0642	466.0296	442.5281	385.7774	416.194	376.5326	485.1943	302.2537	332.5835	291.0897	0.409158	0.007779	0.38675	0.016138	-0.07441	0.835663
AT1G66690	AT1G66690	1.188904	1.784246	3.862963	5.737818	7.949607	9.968408	8.893035	10.7889	9.928738	2.878607	1.330334	2.071813	1.124105	0.066669	1.075083	0.097051	-0.08299	NA
AT1G66700	PXMT1	2.377808	5.352738	6.438272	14.22834	172.904	119.6209	168.9677	165.0702	134.7219	4.797678	6.65167	4.143626	4.258464	8.26E-32	4.354176	4.2E-33	-0.00219	0.998453
AT1G66710	AT1G66710	0	1.784246	0	1.237247	0	0.996841	0.889303	0	0	0	0	1.035907	0.139331	NA	-0.10614	NA	-0.07802	NA
AT1G66720	AT1G66720	0	0	0	0	0	0	0.889303	0	0	0.995936	0	0	0	NA	0.13694	NA	0.147196	NA
AT1G66725	MIR163	77.27876	92.78079	95.28642	233.0148	238.4882	176.4408	110.2736	77.68008	93.71962	74.84378	86.47171	85.98024	1.266487	4.17E-10	0.092684	0.762734	-0.09714	0.855952
AT1G66730	ATLIG6	228.2696	258.7157	235.6407	131.5606	108.6446	139.5577	207.2077	197.4369	115.197	230.2886	215.5141	237.2226	-0.8995	1.63E-05	-0.45732	0.047948	-0.07443	0.881338
AT1G66740	AS1A	190.2246	171.2876	220.1889	220.2299	335.2084	228.2765	249.005	222.2513	299.7075	198.6239	266.0668	210.289	0.412134	0.071655	0.389726	0.106809	0.198578	0.637671
AT1G66750	CDK2	109.3792	117.7602	117.1765	98.15491	121.2315	123.6083	120.056	83.07453	90.79088	119.942	103.766	99.44703	-0.01386	0.962378	-0.21278	0.414466	-0.08314	0.869018
AT1G66760	AT1G66760	120.0793	107.0548	133.9161	96.50524	97.38269	149.5261	169.857	146.729	156.1994	172.7164	138.3547	161.6014	-0.09931	0.178061	0.372202	0.122341	0.374781	0.282236
AT1G66770	SWEET6	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G66780	AT1G66780	3.566712	0	1.287654	2.886909	5.299738	7.974726	3.557214	2.15778	1.952492	0.995936	0	0	0.9461	0.155868	0.263733	0.752980	-0.62996	NA
AT1G66783	MIR157A	0	0	0	0.824831	1.324935	0.996841	0.889303	1.07889	0	0.995936	2.660668	1.035907	0.553116	0.385284	0.327271	0.638314	0.73515	NA
AT1G66790	AT1G66790	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G66795	MIR157B	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT1G66800	AT1G66800	0	0	1.287654	0.824831	0.662467	0	0	1.07889	0	0	0	0	0.072599	NA	-0.04799	NA	-0.23952	NA
AT1G66810	AT1G66810	10.70014	19.62671	12.87654	4.124156	7.28714	7.974726	12.45025	3.23667	4.88123	11.51443	14.63367	11.39497	-0.95486	0.063993	-0.80072	0.155124	-0.1423	NA
AT1G66820	AT1G66820	55.87849	58.88012	42.49259	85.37002	90.09555	45.85468	72.92289	52.86561	214.7741	69.08657	93.12338	72.51346	0.439655	0.335793	0.985383	0.019297	0.5035	0.483588
AT1G66830	AT1G66830	19.02246	10.70548	23.17778	13.1973	13.91181	13.95577	31.12562	25.89336	17.57243	36.46235	18.62468	24.86176	-0.36727	0.431728	0.412391	0.386541	0.517475	0.456833
AT1G66840	PMI2	394.7161	337.2225	289.7222	162.4917	158.3297	148.5293	216.1007	227.6458	246.014	330.0803	396.4395	313.8797	-1.09851	3.29E-12	-0.55858	0.000928	0.020488	0.963148
AT1G66850	AT1G66850	2.377808	7.136984	6.438272	0	0	0	0	0.889303	0	0	17.27164	11.97301	-2.12733	0.000464	-1.85635	0.003057	1.285322	NA
AT1G66852	AT1G66852	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	0.160764	NA	0	NA
AT1G66855	AT1G66855	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G66860	AT1G66860	4.755616	0	2.575309	18.14629	21.86142	26.9147	12.45025	15.10446	20.50117	1.919071	2.660668	4.143626	2.264446	5.39E-06	1.83227	0.000491	-0.00762	NA
AT1G66870	AT1G66870	1.188904	1.784246	0	5.773818	5.299738	6.977885	8.003731	3.23667	6.833722	0	1.330334	1.035907	1.396105	0.024998	1.388506	0.031883	-0.15305	NA
AT1G66880	AT1G66880	439.8945	453.1983	354.1049	1615.844	1501.151	1493.267	1143.644	1185.7	931.3387	274.4272	290.0128	266.228	1.864556	1.04E-44	1.369783	4.44E-24	-0.57504	0.001969
AT1G66890	AT1G66890	52.31175	74.93833	56.56169	77.12171	51.67245	48.8452	63.14055	71.20674	66.64835	83.4796	74.4987	79.7648	-0.00819	0.982899	0.327462	0.308693	0.370846	0.436444
AT1G66900	AT1G66900	254.4254	223.0308	227.9148	223.5292	202.715	201.3618	207.2077	173.7013	169.8686	248.5197	250.1028	268.2998	-0.16473	0.343511	-0.35238	0.037376	0.115263	0.714095
AT1G66910	AT1G66910	168.8244	187.3458	132.6248	227.241	189.4656	230.2702	329.0423	295.6158	257.7289	144.8899	150.3277	134.6678	0.402636	0.033596	0.843378	2.08E-06	-0.17467	0.633705
AT1G66920	AT1G66920	87.97889	132.0342	87.5605	371.9988	360.3822	366.8374	404.2052	386.2426	381.7122	51.81492	49.22236	63.1903	1.825661	1.9E-27	1.959754	3.58E-31	-0.83719	0.010055
AT1G66930	AT1G66930	22.58917	14.27397	14.1642	22.27044	31.13596	26.9147	28.45771	12.94668	18.54867	5.757214	10.64267	16.5745	0.560673	0.213812	0.198202	0.727665	-0.54923	0.488679
AT1G66940	AT1G66940	479.1283	526.3526	494.4593	450.7702	465.7145	465.5246	374.3967	276.1958	234.299	365.5831	457.6349	344.9569	-0.11433	0.601008	-0.7405	4.15E-05	-0.35462	0.207802
AT1G66950	ABC39	4.755616	1.784246	0	0.412416	0	0.996841	0.889303	1.07889	0	0	0	0	-0.736	0.22307	-0.59223	0.354107	-0.95463	NA
AT1G66960	LUP5	21.40027	39.25341	20.60247	51.1691	33.8709	417.6763	69.36567	62.57562	27.33489	5.757214	6.65167	11.39497	3.745654	6.93E-34	0.907856	0.013156	-1.38271	0.006601
AT1G66970	GDPD1	5055.22	3655.92	3483.105	2980.527	3206.342	3559.718	2728.383	2729.592	1903.68	2412.773	2375.976	2335.969	-0.31696	0.102136	-0.71255	7.46E-05	-0.75875	0.000327
AT1G66980	GDPD2	1824.968	1643.291	1595.404	1332.927	1242.126	1673.696	1578.514</											

AT1G67400	AT1G67400	45.17835	41.03766	66.95803	51.55195	37.09817	42.86415	60.47264	47.47116	32.21612	47.01725	62.5257	59.04667	-0.20667	0.566177	-0.12629	0.760567	0.113416	0.874236
AT1G67410	AT1G67410	90.3567	76.72258	87.5605	63.92441	88.10815	73.76622	80.92662	70.12785	64.43224	72.92471	89.13238	66.29802	-0.1827	0.500008	-0.23676	0.406254	-0.16793	0.729505
AT1G67420	AT1G67420	43.98945	32.11643	49.2599	28.45667	15.89921	19.93682	30.26342	19.42002	17.57243	28.78607	37.24935	33.14901	-0.79559	0.022609	-0.75265	0.044644	-0.25804	0.706841
AT1G67430	RPL17B	2315.985	2264.208	2259.833	3101.778	3332.873	2432.291	2076.524	1957.106	3533.034	2359.498	2498.367	2684.034	0.363709	0.106202	0.1413	0.599612	0.136641	0.756813
AT1G67440	emb1688	216.3805	214.1095	208.6	122.075	142.4305	119.6209	155.6281	159.6757	147.4131	184.2308	167.6221	218.5763	-0.71943	0.10E-05	-0.45729	0.009774	-0.156	0.626543
AT1G67450	AT1G67450	0	0	0	0	0	0	0.889303	0	0	0	1.330334	0	0	0	0.141773	NA	0.183636	NA
AT1G67455	AT1G67455	1.188904	1.784246	0	0	0.662467	0	0	0	0	0.955536	0	0	-0.35706	0	-0.48524	NA	-0.27145	NA
AT1G67460	AT1G67460	4.755616	7.136984	9.01358	3.299325	2.649869	0.996841	3.557214	2.15778	2.928738	10.55489	7.982004	9.323159	-1.02699	0.08409	-0.85324	0.189969	0.366266	NA
AT1G67470	AT1G67470	48.74506	60.66347	60.51975	98.97974	126.5312	117.6272	207.2077	176.938	192.3205	47.01725	39.91002	50.75942	0.978125	6.05E-06	1.720706	8.87E-17	-0.27245	0.553047
AT1G67480	AT1G67480	499.3397	526.3526	557.5543	541.5016	528.6489	530.3193	473.1095	508.1572	537.9115	512.392	533.4639	494.1274	0.016745	0.91661	-0.05934	0.702549	-0.04044	0.88388
AT1G67481	MIR839A	0	0	0	0	0	0	0	0	0.976246	0	0	0	0	0	0	NA	0.16673	NA
AT1G67490	GCS1	174.7689	139.1712	148.0802	173.2145	179.5286	190.3966	169.857	211.4624	130.817	130.4968	107.7571	166.781	0.217941	0.381347	0.135733	0.633515	-0.18322	0.679323
AT1G67500	REV3	168.8244	133.8185	126.1901	94.85558	88.77061	138.5609	158.296	196.358	112.2683	130.4968	133.0334	135.7038	-0.4153	0.111321	0.112233	0.731213	-0.10308	0.856796
AT1G67510	AT1G67510	86.78999	51.74313	57.94445	47.01538	29.81103	50.83888	42.68657	48.55005	47.83605	51.81492	54.54369	66.29802	-0.61036	0.037824	-0.48872	0.129551	-0.19126	0.748116
AT1G67520	AT1G67520	20.21137	17.84246	20.60247	101.8666	104.0074	114.6367	73.81219	89.54786	92.74337	18.23118	17.29434	18.64632	2.294358	1.59E-17	1.977214	1.15E-12	-0.12251	0.879034
AT1G67530	PUB7	243.7253	249.7944	193.1482	171.1525	180.1911	223.2923	208.097	228.7247	201.1067	217.8146	254.0938	207.1813	-0.2595	0.176669	-0.10129	0.663328	-0.01605	0.975755
AT1G67540	AT1G67540	0	0	0	0.412416	0	0	0	0	0	0	1.330334	0	0	0	0.067751	NA	0.180865	NA
AT1G67550	URE	317.4374	297.9691	298.7358	320.0345	294.1355	311.0143	272.1269	305.3259	215.7504	216.8551	226.1568	238.2585	0.016867	0.938178	-0.20437	0.266762	-0.41869	0.059911
AT1G67560	LOX6	479.1283	422.8663	385.0086	355.0898	298.1103	418.6731	335.2674	381.927	286.4041	411.6408	428.3675	351.1273	-0.26346	0.173366	-0.35373	0.070503	-0.11147	0.768619
AT1G67570	AT1G67570	42.80054	39.25341	39.91728	37.94223	33.78583	50.83888	36.46144	44.23449	47.01725	38.57969	47.6517	0	-0.02216	0.955004	-0.05069	0.891885	0.152025	0.851918
AT1G67580	AT1G67580	380.4493	424.6506	368.2691	324.9833	287.5108	359.8595	329.9316	412.136	279.2064	339.6756	328.5925	365.675	-0.26599	0.146076	-0.19532	0.334891	-0.17495	0.585344
AT1G67590	AT1G67590	150.9908	128.4657	145.5049	78.77137	68.23413	71.77254	64.91915	97.10009	74.12719	169.8730	121.0604	162.6373	-0.91691	0.002006	-0.50338	0.065779	0.092383	0.874304
AT1G67600	AT1G67600	5.94452	5.352738	12.87654	11.54764	17.22415	13.95577	17.78607	9.710009	5.857476	8.635821	7.982004	9.323159	0.641027	0.232533	0.35417	0.575634	0.05504	NA
AT1G67610	AT1G67610	0	1.784246	3.862963	2.886909	0.662467	0	2.15778	0	0	0	0	0	-0.13761	0.848344	-0.39308	0.554688	-0.70797	NA
AT1G67620	AT1G67620	34.47821	30.33128	36.05427	70.93548	95.39529	37.87995	69.35657	48.55005	68.33722	50.85539	73.16837	49.72351	0.941943	0.005135	0.803535	0.204766	0.696835	0.177994
AT1G67623	0	0	0	0	0.662467	0.996841	0	0	0	0	0	0	0	0.262313	NA	0	NA	0	NA
AT1G67626	AT1G67626	4.755616	3.568492	2.575309	9.073143	7.949607	1.993682	2.66791	2.15778	6.833722	0	0	0	0.636827	0.355388	0.07078	0.936442	-1.30279	NA
AT1G67630	POLA2	101.0568	85.64381	84.98519	60.62509	44.38531	57.81677	42.68657	74.44341	44.90732	87.31774	81.15037	95.3034	-0.70825	0.005421	-0.72674	0.006812	-0.04147	0.951197
AT1G67635	AT1G67635	0	0	0.824831	1.324935	0	5.738821	4.31556	11.71495	0.995936	0	0	0	0.286109	0.703373	2.106184	0.000459	0.119564	NA
AT1G67640	AT1G67640	1.188904	3.568492	0	0	0.662467	0.996841	1.778607	1.07889	0	0.995936	0	0	-0.44701	0.497927	-0.17813	0.813148	-0.48716	NA
AT1G67645	AT1G67645	0	0	1.649622	0	0	0.889303	0	0	0	0	0	0	0.251328	NA	0.119636	0	0	NA
AT1G67650	AT1G67650	27.34479	30.33218	21.89012	25.56977	25.17376	31.8989	24.9005	32.3667	24.40615	25.90746	21.28534	12.43088	0.047548	0.919762	0.041256	0.935401	-0.36345	0.595754
AT1G67660	AT1G67660	218.7583	189.1301	186.7099	237.9638	218.6142	229.2734	278.352	251.3814	379.7597	233.1672	199.5501	260.0125	0.198106	0.364743	0.59592	0.002242	0.214913	0.546547
AT1G67670	AT1G67670	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT1G67680	AT1G67680	592.0742	465.6882	516.3494	409.1163	435.9035	458.5468	488.2276	482.2638	450.0494	468.2534	478.9202	486.8761	-0.27888	0.03745	-0.15215	0.323265	-0.13896	0.565866
AT1G67690	AT1G67690	77.28776	73.15409	65.67037	68.8734	63.59686	64.79465	85.37113	96.0212	51.74104	79.64146	81.15037	93.23159	-0.12372	0.691453	0.102229	0.765594	0.224424	0.644410
AT1G67700	HHL1	2549.01	3354.383	3288.669	2816.538	2287.499	2091.372	2811.978	2516.389	3398.312	3704.767	3783.47	3437.138	-0.44934	0.002584	-0.06236	0.753025	0.246286	0.304889
AT1G67710	ARR11	67.76752	48.17464	68.24568	21.03319	20.53649	17.94313	23.12189	20.49891	18.54867	71.00564	54.54369	69.40574	-1.53826	1.67E-08	-1.48038	3.6E-07	0.047574	0.909596
AT1G67720	AT1G67720	199.7359	144.5239	157.0938	153.4186	135.8058	196.3776	197.4254	206.068	129.8407	210.1383	166.2917	185.4273	-0.05956	0.843228	-0.07863	0.804763	0.155025	0.74422
AT1G67730	KCR1	477.9394	526.3526	513.7741	434.2736	493.5381	448.5784	434.8694	392.7159	407.0946	536.3804	546.7673	555.2459	-0.13844	0.30359	-0.29129	0.02476	0.115509	0.628866
AT1G67740	PSB5	6009.909	6937.149	6608.242	3091.88	2645.232	2556.897	2823.539	2695.067	2708.106	8906.41	11559.27	5403.288	-1.19743	8.49E-09	-1.209	6.51E-09	0.390799	0.255181
AT1G67750	AT1G67750	331.7042	215.8938	301.3111	169.5028	169.5916	155.5072	129.8383	137.019	112.2683	308.0109	288.6825	283.8384	-0.77072	6.47E-06	-1.1487	4.23E-11	0.041738	0.92514
AT1G67760	AT1G67760	4.755616	3.568492	2.575309	4.356571	3.312336	1.993682	1.778607	0	2.928738	1.919071	1.330334	6.215439	-0.03291	0.96922	-0.61374	0.411581	-0.1	NA
AT1G67770	TEL2	1.188904	1.784246	0	1.237247	0	0	2.66791	0	0.976246	1.919071	1.330334	0	-0.24608	0.726699	0.130745	0.866696	-0.08203	NA
AT1G67775	CLE8	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G67780	AT1G67780	16.64466	14.27397	16.73951	14.84696	13.24935	11.96209	16.00746	22.65669	2.928738	22.06932	13.30334	21.75404	-0.20699	0.722437	-0.17818	0.781027	0.228648	NA
AT1G67785	AT1G67785	120.0793	155.2294	189.2852	291.1654	270.2866	221.2987	139.6206	146.729	374.8785	216.8551	263.4061	199.93	0.702159	0.032727	0.472771	0.192499	0.509132	0.326787
AT1G67790	AT1G67790	1.188904	0	2.575309	0.412416	0.662467	1.993682	0.889303	2.15778	1.952492	2.878607	0	0	-0.19287	0.804265	0.130939	0.876375	-0.12185	NA
AT1G67792	AT1G67792	46.36725	33.90067	38.62963	16.49662	25.17376	33.89259	32.90423	25.89336	25.3824	25.90746	27.93701	34.18492	-0.66814	0.053665	-0.46568	0.230381	-0.41036	0.499839
AT1G67800	AT1G67800	183.0912	214.1095	191.8605	242.5004	259.0247	237.2481	336.1567	294.537	246.014	129.5373	130.3727	147.0987	0.328123	0.063778	0.571149	0.000817	-0.51399	0.301113
AT1G67810	SUF2E	5.94452	16.05821	12.87654	26.3946	23.18635	25.91786	44.46517	43.1556	63.45599	4.797678	3.991002	8.287252	1.024286	0.011871	1.95761	2.65E-07	-0.73502	0.334202
AT1G67820	AT1G67820	17.83356	12.48972	18.02716	17.32145	14.54728	23.92418	14.22886	15.10446	7.809968	21.10978	14.63367	23.82585	0.140519					

AT1G68290	END02	16.64466	33.90067	25.75309	60.21267	54.98478	42.86415	54.24751	59.33895	56.62227	25.90746	29.26735	33.14901	1.037924	0.000607	1.115714	0.000323	0.223001	0.744093
AT1G68300	AT1G68300	202.1127	208.7568	256.2432	393.032	433.2536	350.888	366.393	323.667	575.9851	265.7914	296.6645	284.8743	0.793161	0.000210	0.893809	2.93E-05	0.303431	0.367918
AT1G68310	AE7	150.9908	124.8972	153.2039	258.5846	278.8987	222.2955	209.8756	193.1213	314.3152	169.8378	145.0064	170.9246	0.795641	0.000142	0.717122	0.001049	0.168618	0.700947
AT1G68320	MYB62	3.566712	0	2.575309	12.37247	6.24673	10.96525	8.893035	3.23667	10.73871	1.919071	2.660668	1.035907	1.44294	0.014415	1.111737	0.083246	-0.17098	NA
AT1G68330	AT1G68330	49.93397	37.46917	56.65679	25.15735	48.36011	31.8989	39.12935	43.1556	51.74104	47.01725	55.87403	50.75942	-0.45027	0.173973	-0.11303	0.789489	0.068386	0.930587
AT1G68340	AT1G68340	40.42273	46.3904	39.91728	49.48987	64.25933	38.87679	50.6903	50.70783	72.2422	46.05771	31.92802	37.29264	0.27249	0.420094	0.436403	0.194499	-0.10854	0.87994
AT1G68350	AT1G68350	2.377808	0	1.287654	1.237247	1.987402	4.984204	0.889303	4.31556	2.928738	1.919071	3.991002	3.10772	0.386994	0.607178	0.428233	0.585451	0.510655	NA
AT1G68360	AT1G68360	8.322328	5.327338	6.438272	11.13522	12.58688	15.94945	8.003731	8.63112	17.14945	14.39303	7.982004	8.287552	0.350765	0.14999	0.350765	0.578714	0.464482	NA
AT1G68370	ATI15	455.3502	431.7875	391.4469	500.6725	505.4625	545.2719	483.7811	470.396	462.7406	436.5887	480.2506	423.6588	0.273165	0.0317	0.146783	0.31992	0.06458	0.817029
AT1G68380	AT1G68380	0	0	0	0.412416	0	0	1.993682	0	0	0	0	0	0.374519	NA	0	NA	0	NA
AT1G68390	AT1G68390	5.94452	7.136984	5.150617	9.073143	7.949607	6.977885	16.00746	12.94668	17.57243	8.635821	7.982004	10.35907	0.313822	0.599021	1.118205	0.030296	0.44111	NA
AT1G68400	AT1G68400	180.7134	173.0719	132.6284	86.19486	77.50867	81.74094	81.81592	92.78453	101.5296	149.6876	148.9974	123.2729	-0.95514	4.52E-07	-0.79464	6.65E-05	-0.1988	0.588209
AT1G68410	AT1G68410	189.0357	239.089	271.6951	239.201	233.1885	297.0586	199.204	242.7502	192.3205	245.6411	232.8084	210.289	0.130264	0.559257	-0.13783	0.562828	-0.01945	0.970941
AT1G68420	AT1G68420	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G68430	AT1G68430	9.511232	10.70548	7.725926	8.660727	4.637271	1.993682	0.889303	4.31556	10.73871	9.595356	9.312338	16.5745	-0.55725	0.37778	-0.57485	0.394634	0.826277	NA
AT1G68440	AT1G68440	305.5483	272.9896	305.1741	286.6288	281.5486	323.9733	196.5361	227.6458	308.4937	288.8202	231.4781	253.7971	0.007666	0.976282	-0.26796	0.211002	-0.18609	0.595848
AT1G68450	VQ8	0	0	0	4.536571	3.312336	2.990522	10.07164	1.07889	8.909968	0	0	0	1.3155	0.037586	1.864099	0.002653	0	NA
AT1G68460	IPT1	3.566712	5.352738	3.862963	1.237247	1.324935	0.996841	0.889303	0	2.928738	2.878607	2.660668	4.143626	-0.99102	0.136068	-0.89582	0.205319	-0.21097	NA
AT1G68470	AT1G68470	33.28931	44.60615	50.21852	42.89122	51.00998	45.85468	30.23632	30.20892	28.31113	44.13864	47.89202	30.04129	0.125599	0.728677	-0.48747	0.154247	-0.06551	0.931624
AT1G68480	JAG	2.377808	1.784246	1.287654	4.948987	4.637271	5.981045	3.572124	5.39445	4.88123	6.716749	1.330334	2.071813	0.850961	0.192252	0.716866	0.312781	0.46431	NA
AT1G68490	AT1G68490	600.3965	565.606	606.4852	586.8674	726.0641	579.1645	592.2761	459.6071	714.6121	571.8832	643.8816	575.964	0.091789	0.670631	-0.00475	0.985039	0.013148	0.979708
AT1G68500	AT1G68500	4.755616	1.784246	5.150617	8.660727	14.57428	7.974726	7.114428	8.63112	28.31113	11.51443	6.65167	6.215493	0.913775	0.121578	1.303621	0.0255	0.645657	NA
AT1G68510	LBD42	0	0	0	0.824831	1.324935	0	0	0	0	0	1.330334	0	0.394519	NA	0	NA	0	0.194136
AT1G68520	COL6	1342.273	1475.571	1068.753	1136.205	1105.658	1145.37	1186.331	1507.209	1762.124	1076.599	996.4201	1082.522	-0.19342	0.304205	0.194592	0.324734	-0.29313	0.274581
AT1G68526	AT1G68526	0	0	1.287654	0.824831	1.987402	0.996841	0	1.07889	0	0	1.330334	0	0.425177	NA	-0.07838	NA	-0.04022	NA
AT1G68530	TUT1	2740.424	3575.629	2830.264	2462.533	2400.119	2543.938	2421.573	2739.302	2788.159	2870.931	2814.987	2744.116	-0.29982	0.021628	-0.1989	0.165563	-0.11481	0.636505
AT1G68540	KPR2	83.22328	82.07532	92.71111	65.16166	52.99738	58.81361	146.7351	105.7312	122.0307	157.3638	147.6671	158.4937	-0.22303	0.01787	-0.35459	0.017172	0.821664	0.000805
AT1G68550	ERF118	1.188904	3.568492	0	0.412416	0.662467	0.996841	0	2.15778	0	0.959536	0	0	-0.33644	0.615708	-0.31522	0.651463	-0.48833	NA
AT1G68552	CPuORF53	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G68560	XYL1	3741.481	3192.016	2848.291	1242.196	1234.839	1407.539	1573.178	1642.07	1461.44	2130.169	2140.507	2433.344	-1.31826	2.14E-26	-1.05249	5.11E-17	-0.53885	0.000608
AT1G68568	AT1G68568	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	0.59748
AT1G68570	NPF3.1	214.0027	194.4828	199.5864	334.469	292.8105	285.0965	175.1928	202.8313	162.0568	181.3522	178.2648	156.4219	0.579147	0.000232	-0.17384	0.388176	-0.23653	0.414989
AT1G68580	AT1G68580	601.5854	520.9998	516.3244	559.2355	522.0242	637.9781	626.6097	668.9118	547.674	474.0106	486.9022	585.2872	0.063157	0.742928	0.164075	0.363399	-0.08415	0.79786
AT1G68585	AT1G68585	104.6235	73.15409	91.42346	185.1746	218.6142	145.5388	132.5062	84.15342	131.7932	104.5894	146.3367	109.8061	0.980473	5.13E-05	0.34633	0.236949	0.327722	0.368214
AT1G68590	AT1G68590	1834.479	2176.78	2172.273	1558.518	1682.667	1614.882	1671.891	1726.224	1837.295	2971.682	3764.845	2313.179	-0.34168	0.054401	-0.23508	0.22821	0.538968	0.012263
AT1G68600	ALMT5	428.0054	503.1574	553.6914	65.16166	82.14594	75.7599	183.1965	180.1746	182.558	343.0972	603.9716	587.359	-2.69491	5.61E-72	-1.41905	1.37E-22	0.222508	0.364594
AT1G68610	PCR11	0	0	0	0.412416	0	0	0	0	0.959536	1.330334	1.035907	0	0.065724	NA	0	NA	0	0.59748
AT1G68620	CXE6	7.133424	14.27397	16.73951	94.44317	83.47088	104.6683	91.59826	97.10009	98.60085	17.27164	13.30334	3.323159	2.671352	3.22E-18	2.694589	3.47E-18	0.055687	0.959177
AT1G68630	PCR12	1.188904	0	0	0.824831	0	2.990522	2.66791	0	0	1.330334	1.035907	0	1.036904	0.637171	0.194622	0.783801	0.126166	NA
AT1G68640	PAN	5.94452	0	11.58889	15.25938	7.28714	10.96525	11.56095	11.86779	0.976246	15.35257	15.96401	10.35907	0.613988	0.352826	0.255978	0.734251	0.833604	NA
AT1G68650	AT1G68650	136.724	76.72258	140.3543	204.9705	236.5008	201.3618	146.7351	159.6751	144.4844	140.9922	142.3457	120.1652	0.815778	4.39E-05	0.314239	0.18913	-0.154789	0.720829
AT1G68660	AT1G68660	533.8179	617.3491	687.6074	693.2706	673.0667	599.1013	782.5871	860.9542	1016.272	664.9582	639.8906	698.201	0.097923	0.587157	0.525522	0.000422	0.123097	0.679106
AT1G68670	AT1G68670	439.8945	476.3937	485.4457	449.1206	412.0546	453.5628	438.4266	456.3704	450.0494	474.0106	504.1966	462.0143	-0.09042	0.518989	-0.05792	0.174786	0.038664	0.892726
AT1G68680	AT1G68680	70.14533	66.0171	88.84815	164.5538	162.3045	100.6809	93.37687	92.78453	167.9143	113.2252	111.7481	133.6319	0.879449	0.001661	0.610136	0.054455	0.628352	0.13423
AT1G68690	PERK9	42.80054	53.52738	25.75309	93.20593	82.14594	103.6714	87.15174	111.1257	58.57476	35.50282	39.91002	37.29264	1.140065	7.63E-05	1.024637	0.000644	-0.09262	0.903727
AT1G68700	AT1G68700	0	1.784246	1.287654	4.215256	5.962205	5.981045	4.446517	4.31556	5.87476	0	1.330334	7.251346	1.144401	0.076504	1.046532	0.125774	0.580908	NA
AT1G68710	ALA9	184.2801	137.3869	131.3407	105.9908	82.14594	141.5514	150.2923	107.889	69.31347	161.202	191.5681	130.5242	-0.44495	0.148091	-0.44243	0.174228	0.082036	0.905042
AT1G68720	TADA	685.9976	595.9382	499.6099	342.3042	418.6731	404.6331	440.1871	328.0187	571.8832	548.0976	500.3429	0	-0.71076	2.96E-05	-0.59202	0.000816	-0.13457	0.69113
AT1G68725	AGP19	27.34479	19.62671	15.45185	27.63184	14.57428	13.95577	9.782338	14.02557	16.59618	20.15025	23.94601	11.39497	-0.09705	0.861187	-0.54999	0.27857	-0.16563	0.869018
AT1G68730	AT1G68730	40.42273	62.44861	74.68395	81.65828	95.39529	65.79149	88.04104	75.5223	108.3633	64.28889	66.5167	116.0215	0.435116	0.180027	0.583602	0.074303	0.453801	0.368214
AT1G68735	AT1G68735	0	0	0	0.662467	0	0	0	0	0	1.330334	0	0	0.101524	NA	0	NA	0	0.719327
AT1G68740	PHO1.1	89.1678	78.50683	121.0395	32.16841	26.49869	34.88943	23.21189	34.52448	20.50117									

AT1G69180	CRC	19.02246	8.92123	2.575309	4.124156	3.312336	2.990522	4.446517	1.07889	2.928738	12.47396	6.65167	7.251346	-1.09753	0.064479	-1.23934	0.045716	-0.15165	NA
AT1G69190	YHPK/DHP	0	0	0	0.412416	0	0	0	0.976246	0	0	0	0	0.065752	NA	0.143461	0	0.71588	NA
AT1G69200	FLN2	549.2736	487.0992	521.5	403.3424	349.7827	407.7079	478.4453	503.8416	456.8831	502.7967	662.5063	614.2926	-0.42179	0.003826	-0.11569	0.522772	0.183891	0.475158
AT1G69210	AT1G69210	30.9115	19.62671	19.31482	41.65397	47.03518	48.8452	27.56841	33.44559	28.31113	23.98839	22.61568	25.89766	0.883273	0.005437	0.296052	0.468526	0.027074	0.978296
AT1G69220	SIK1	410.1719	426.4348	412.0494	359.214	297.4478	366.8374	328.153	380.8481	252.8477	364.6235	339.2352	32.73408	-0.28137	0.117911	-0.36983	0.034474	-0.26916	0.334472
AT1G69230	SP12	11.88904	7.136984	10.10293	10.7228	7.949607	8.971567	2.66791	10.7889	4.88123	12.47396	15.96401	12.43068	-0.07756	0.906224	-0.58002	0.042776	0.369373	NA
AT1G69240	MES15	0	1.784246	0	0	0	0	0	0	0	0	1.330334	0	-0.27254	NA	-0.25305	NA	-0.03925	NA
AT1G69250	AT1G69250	168.8244	167.7191	151.9432	215.6933	229.8761	189.3997	190.3109	209.3046	203.0592	132.4159	130.3727	167.8169	0.378651	0.0313	0.297219	0.12404	-0.17356	0.607892
AT1G69252	AT1G69252	562.3516	574.5272	621.937	356.3271	443.1906	368.8311	513.1281	431.556	520.3391	629.4554	594.6593	614.2926	-0.58374	1.62E-05	-0.25924	0.091641	0.063564	0.842019
AT1G69260	AFP1	67.76752	58.88012	46.35556	41.65397	45.71024	55.82308	60.47264	49.62894	37.09735	39.34096	42.57069	49.72351	-0.27887	0.374569	-0.21754	0.535641	-0.37337	0.458325
AT1G69270	RPK1	128.4016	135.6027	136.4914	173.2145	167.6042	237.2481	255.2301	303.1681	226.4891	125.6992	127.7121	129.4883	0.504299	0.01194	0.946347	6.75E-07	-0.06247	0.899414
AT1G69280	AT1G69280	32.10041	14.27397	16.73951	31.756	34.4483	28.90838	36.46144	29.13003	49.78855	21.10978	30.59768	37.29264	0.498818	0.207886	0.753285	0.055462	0.399348	0.561641
AT1G69290	AT1G69290	19.02246	30.33218	30.9037	25.15735	14.57428	18.93997	29.34701	25.89336	19.52492	23.98839	30.59768	30.04129	-0.37169	0.363269	-0.07379	0.887081	0.080092	0.931292
AT1G69295	PDC84	140.2907	110.6233	124.9025	116.3012	107.3197	84.73147	76.4801	101.4157	94.69586	129.5373	135.6941	81.83662	-0.26884	0.30668	-0.45579	0.082883	-0.12166	0.817029
AT1G69300	AT1G69300	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G69310	WRKY57	36.85602	33.90067	50.21852	43.71605	41.07297	38.87679	40.90796	40.99782	29.28738	42.21957	58.53469	33.14901	0.027208	0.948207	-0.12482	0.764899	0.110627	0.878139
AT1G69320	CLE10	5.94452	3.568492	3.862963	2.474493	3.312336	0	1.778607	1.07889	4.88123	3.838143	3.991002	5.179533	-0.67435	0.325005	-0.48078	0.526383	-0.02688	NA
AT1G69325	AT1G69325	1.188904	7.136984	6.438272	4.124156	3.974804	2.990522	5.335821	1.07889	2.928738	7.676285	5.321336	6.215439	-0.22168	0.768128	-0.36061	0.638049	0.329213	NA
AT1G69330	AT1G69330	118.8904	137.3869	144.2173	91.14384	92.74542	88.71883	105.8271	90.62675	87.86214	133.3755	125.0514	121.2011	-0.53625	0.004021	-0.47485	0.018144	-0.06944	0.748895
AT1G69340	AT1G69340	521.9288	576.3115	516.3494	513.4574	558.4599	575.1771	558.4826	535.1294	520.3391	455.7794	540.1156	502.4147	0.002805	0.862128	0.003263	0.985734	-0.10646	0.66497
AT1G69350	PCMP-E66	11.88904	21.41095	20.60247	18.14629	17.88662	18.93997	16.00746	22.65669	17.1495	16.3121	21.28534	16.5794	0.046248	0.932364	-0.07242	0.899772	0.017437	0.988216
AT1G69360	AT1G69360	238.9697	245.6275	213.7506	170.3276	159.6546	200.365	205.4291	264.328	170.843	223.5718	227.4871	227.8945	-0.8739	0.400412	-0.11674	0.627663	-0.03199	0.994258
AT1G69370	CM3	154.5575	181.9931	141.642	144.3455	152.3675	169.4629	182.3072	190.9635	174.748	148.728	148.9974	158.4937	-0.03539	0.874962	0.203154	0.307736	-0.05516	0.894073
AT1G69380	AT1G69380	60.6341	85.64381	81.12222	98.56732	115.9318	105.6651	124.5025	133.7824	91.76712	79.64146	102.4357	99.44703	0.484622	0.042141	0.610869	0.011589	0.301772	0.471105
AT1G69390	MINE1	389.9605	399.6711	442.9531	414.8901	418.6793	361.8532	456.2127	412.136	611.13	448.1031	443.0012	497.2351	-0.04111	0.854528	0.258561	0.176797	0.168471	0.597166
AT1G69400	BUB3.3	32.10041	28.54794	33.47901	32.16841	29.14856	31.8989	37.35075	42.07671	26.35864	23.02886	26.60668	32.1131	-0.02016	0.963026	0.147172	0.792909	-0.19775	0.778089
AT1G69410	ELF5A-3	577.8073	544.195	705.6346	1087.54	1106.983	870.242	819.9378	688.3318	1052.393	761.8713	858.0654	791.4326	0.729186	4.07E-05	0.474216	0.01294	0.38826	0.156384
AT1G69420	PAT22	935.6674	744.0306	736.5383	471.8034	448.4903	506.3951	487.3383	558.865	480.313	779.1429	744.987	762.4272	-0.75568	6.47E-09	-0.65817	8.32E-07	-0.08085	0.781222
AT1G69430	AT1G69430	14.26685	21.41095	12.87654	8.660727	9.27452	9.968408	4.21888	9.710009	8.786214	13.4335	10.64267	11.39497	-0.6715	0.150844	-0.44814	0.400547	-0.35004	NA
AT1G69440	AGO7	164.0687	99.97179	109.4506	47.42779	42.39791	42.86415	43.57587	53.9445	34.16861	88.27738	78.4897	104.6266	-1.43272	3.32E-09	-1.45005	9.46E-09	-0.44923	0.257545
AT1G69450	AT1G69450	391.1494	415.7293	405.6111	400.0431	383.8835	453.5626	540.6965	488.7371	241.1328	462.062	478.9202	380.1777	-0.02981	0.931715	0.065405	0.852023	0.119018	0.833777
AT1G69460	AT1G69460	571.8628	574.5272	612.9233	731.2128	677.0146	645.9528	569.1542	497.0271	777.0191	545.0162	502.8662	615.3285	0.220091	0.263545	0.052319	0.833998	-0.07851	0.849621
AT1G69470	AT1G69470	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0	NA
AT1G69480	PHO1-H10	8.322328	0	7.725926	34.23049	21.19895	33.89259	29.34701	23.73558	13.66744	14.39303	6.65167	10.35907	1.902195	3.29E-05	1.518896	0.001787	0.615451	0.487822
AT1G69485	AT1G69485	5.94452	5.327328	2.575309	5.737818	4.637271	4.984204	3.557214	4.31556	4.88123	3.838143	1.330334	2.071813	0.147274	0.845811	-0.07413	0.930247	-0.53781	0.316408
AT1G69490	NAC029	238.9697	255.1472	227.9148	351.3781	332.5586	235.2544	181.4179	161.8335	136.6744	186.1499	191.5681	198.8941	0.353128	0.072807	-0.57407	0.004143	-0.31401	0.316408
AT1G69500	CYP704B1	11.88904	12.48972	12.87654	2.474493	1.324935	0	0	0	0	20.15025	15.96401	24.86176	-0.27349	4.25E-05	-0.76306	8.29E-07	0.679871	NA
AT1G69510	AT1G69510	548.0847	503.15274	637.3889	665.6387	581.6463	561.2214	517.5746	466.0805	60.3438	61.6749	635.8996	647.4164	0.097704	0.584403	-0.0915	0.63577	0.20582	0.419352
AT1G69520	AT1G69520	15.45575	19.62671	20.20027	49.89066	91.42048	94.69987	55.02339	55.66462	13.4335	6.65167	15.5386	2.18179	3E-14	1.577895	2.28E-07	-0.5157	0.41884	
AT1G69523	AT1G69523	99.86793	90.99655	137.779	42.89122	45.04777	39.87363	164.5211	138.0979	134.7219	209.1788	276.7095	202.0018	-1.31344	2.9E-09	0.393194	0.10403	1.022198	0.000021
AT1G69526	AT1G69526	45.17835	41.03766	52.79383	23.09527	21.19895	29.90522	10.03358	52.86561	66.38475	62.52006	74.4987	61.11849	-0.89278	0.00164	0.436742	0.150584	0.132176	0.119122
AT1G69530	EXPA1	2194.717	2563.962	2152.958	3668.437	3189.78	2403.383	1767.935	1582.732	1486.823	1424.91	1609.704	1626.373	0.416662	0.01389	-0.50437	0.003021	-0.55744	0.007405
AT1G69540	AGL94	5.94452	10.70548	7.725926	2.886909	3.974804	2.990522	0.889303	0	3.904984	3.838143	5.321336	11.39497	-0.89386	0.149744	-1.39347	0.026757	-0.14117	NA
AT1G69543	AT1G69543	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G69550	AT1G69550	564.7294	522.7841	504.7605	374.8858	323.284	520.3509	511.3495	520.025	310.4462	476.8892	537.4549	444.4039	-0.37802	0.109892	-0.23924	0.366973	-0.12355	0.79524
AT1G69560	MYB105	0	1.784246	3.862963	0.412416	0	0.996841	1.778607	1.07889	0	0.95536	5.321336	0	-0.61299	0.355606	-0.3151	0.657857	-0.048684	NA
AT1G69570	CD5	16.64466	12.48972	18.02716	7.835968	12.58688	18.93997	15.11816	14.02557	4.88123	21.10978	17.29434	14.50269	-0.29133	0.590873	-0.40554	0.475356	0.133948	NA
AT1G69572	AT1G69572	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G69580	AT1G69580	117.7015	53.52738	93.99877	66.81132	71.54647	82.73778	80.92662	66.89118	91.76712	105.5489	101.1054	154.3501	-0.28083	0.368534	-0.15907	0.658559	0.404808	0.374513
AT1G69587	AT1G69587	19.02246	23.1952	30.9037	34.64291	26.49869	17.94313	30.23632	25.89336	32.71612	32.62421	25.27635	22.78994	0.142756	0.753111	0.250571	0.582586	0.134229	0.895748
AT1G69588	CLE45	19.02246	28.54794	28.3284	9.897974	16.56168	12.95889	10.67164	15.10446	10.2886	23.94601	23.94601	27.96489	-0.85577	0.029276	-0.9			

AT1G70050	AT1G70050	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT1G70060	SNL4	552.8403	510.2944	508.6235	359.6264	367.6693	434.6226	435.7587	505.9994	296.7788	406.8431	424.3765	446.4757	-0.43015	0.024417	-0.33753	0.100857	-0.29279	0.3382
AT1G70070	ISE2	784.6766	617.3491	628.3753	393.1254	290.1607	376.8058	392.1828	456.3704	333.8761	516.2302	542.7763	535.5637	-1.05425	0.272111	-0.76906	2.61E-06	-34506	0.172225
AT1G70080	TPS06	0	0	0	0.412416	0	0.996841	1.778607	2.15778	1.952492	0	1.330334	0	0.186663	NA	0.944951	NA	0.193325	NA
AT1G70090	GAT19	589.6964	628.0546	526.6506	588.9294	676.3791	753.6116	660.7525	755.223	1017.248	597.7907	525.4819	552.1382	0.205112	0.308737	0.071251	0.011547	-0.05454	0.899829
AT1G70100	AT1G70100	438.7056	428.2121	481.5827	366.225	396.1554	428.6415	458.8806	474.7116	350.4723	501.8371	510.8482	478.5888	-0.18249	0.2575821	-0.471129	0.172383	-0.141054	0.622829
AT1G70110	LECRK51	1.188904	5.352738	1.287654	0.824831	1.987402	0.996841	1.778607	2.15778	0	1.919071	1.330334	2.071813	-0.43687	0.556815	-0.39362	0.618881	-0.19324	NA
AT1G70120	AT1G70120	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G70130	LECRK52	0	0	0	0.824831	0.662467	1.993682	3.557214	3.23667	1.952492	0.995936	0	0	0.538391	0.419412	1.243471	0.043685	0.14416	NA
AT1G70140	FH8	10.70014	16.05821	12.87654	40.00431	37.76063	37.87995	38.24005	33.44559	41.97858	27.82653	23.94601	20.71813	1.417231	3.71E-05	1.387578	0.000098	0.780512	0.166414
AT1G70150	AT1G70150	45.17835	44.60615	59.2321	92.38109	95.39529	80.7441	88.93035	81.99564	66.38473	63.2935	39.91002	58.01077	0.813829	0.001009	0.634456	0.018954	0.115925	0.850918
AT1G70160	AT1G70160	1061.691	1268.599	1064.89	1226.936	1044.711	1271.969	1171.213	1481.316	1098.277	899.0849	594.6593	1044.194	0.060926	0.819866	0.14053	0.585733	-0.40504	0.193952
AT1G70170	MMP	0	1.784246	1.287654	8.248311	10.59948	6.977885	8.003731	2.15778	0.976246	0	0	0	1.764882	0.004205	0.870463	0.218776	-0.51642	NA
AT1G70180	AT1G70180	229.4585	210.541	227.9148	196.3098	179.5286	210.3334	163.6318	188.8057	134.7219	181.3522	179.5951	208.2172	-0.19115	0.31481	-0.45187	0.013067	-0.22785	0.453276
AT1G70185	AT1G70185	0	0	0	0.412416	1.987402	0.996841	0	0	0	0	0	0	0.623164	NA	0	NA	0	NA
AT1G70190	AT1G70190	224.7028	183.7773	256.2432	256.9349	319.9717	213.3239	232.9975	185.5691	374.8785	218.7741	214.1838	242.4021	0.237295	0.413374	0.241074	0.430255	0.018115	0.981052
AT1G70200	AT1G70200	1007.002	924.2394	938.7	578.6191	657.1675	652.9307	778.1405	780.0374	885.4551	929.79	916.6001	1074.235	-0.60153	5E-07	-0.23075	0.092368	0.024645	0.9394
AT1G70209	AT1G70209	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G70210	CYCD1-1	479.1283	342.5752	433.9395	253.6356	230.5386	243.2291	229.4403	210.3835	176.7005	407.8026	388.4575	392.6086	-0.78013	4.09E-07	-1.01395	8.55E-11	-0.084	0.810178
AT1G70220	AT1G70220	1.188904	1.784246	0	1.237247	0.662467	1.993682	1.778607	2.15778	0.976246	0	0	0	0.053135	0.951199	0.499307	0.513324	0.876294	NA
AT1G70230	XY4	254.4254	296.1848	251.0926	134.0351	135.1433	150.523	144.9565	132.7035	94.6555	231.2481	242.1208	290.0538	-0.91319	3.03E-07	-1.07308	4.46E-09	-0.06307	0.888311
AT1G70250	AT1G70250	287.7148	244.4441	216.3259	316.3227	284.8609	297.0586	193.8682	10.3835	41.6957	165.9997	196.8894	169.8877	0.257758	0.1953	-0.4483	0.024202	-0.48518	0.066575
AT1G70260	AT1G70260	105.8125	85.64381	65.67037	22.27044	15.89921	10.96525	14.22886	17.26224	5.857476	94.03449	97.11438	100.4829	-2.16562	1.06E-13	-2.54406	1.87E-15	0.175768	0.769037
AT1G70270	AT1G70270	3.566712	1.784246	1.287654	0	0	0	0	0	0	0	0.991002	3.10772	-1.12605	0.058019	-0.10163	0.094829	0.0459	NA
AT1G70280	AT1G70280	419.6831	408.5923	370.8445	239.201	205.3649	224.2892	222.3259	230.8824	223.5603	361.7449	340.5655	389.5009	-0.82758	1.91E-10	-0.81453	1.33E-09	-0.1307	0.613392
AT1G70290	TPS8	1826.156	2010.845	1658.499	985.2608	916.1922	1511.211	1443.34	1944.16	1268.144	1519.904	1443.412	1555.932	-0.66918	0.001267	-0.23223	0.347984	-0.27337	0.451792
AT1G70300	POT6	84.41218	94.56504	97.86173	89.9066	80.82101	109.6525	137.842	137.019	107.3871	73.88424	79.82004	87.01615	0.007488	0.979895	0.455804	0.0475	-0.19281	0.656448
AT1G70310	SPDSVN2	932.1007	1088.39	1124.122	721.7273	741.3009	794.4821	884.857	814.5619	796.6167	1223.408	1141.427	1170.574	-0.47458	3.11E-05	-0.328	0.006958	0.16989	0.387879
AT1G70320	UPL2	2713.079	1960.886	1582.527	816.5828	706.8526	1173.282	1191.667	1535.26	763.4224	1467.13	1517.911	1468.915	-1.15995	4.21E-06	-0.80398	0.002417	-0.46831	0.253568
AT1G70330	ENT1	174.7689	121.3253	173.8333	152.5938	143.7554	177.4377	132.5062	151.0446	134.7219	166.9592	163.6311	151.2424	-0.23807	0.199855	-0.40756	0.028741	-0.20555	0.515113
AT1G70340	AT1G70340	32.100421	21.41095	24.46543	34.64291	33.78583	29.90522	28.45771	31.28781	25.3824	38.38143	38.57969	24.86176	0.299491	0.420605	0.091317	0.845978	0.328699	0.596904
AT1G70350	AT1G70350	34.47821	23.1952	50.21852	61.44992	68.8966	51.83572	59.58333	26.97225	94.69586	48.93632	50.55269	61.11849	0.665717	0.0870505	0.625809	0.1085961	-0.495221	0.446233
AT1G70360	AT1G70360	34.47821	44.60615	50.21852	43.06037	33.89259	55.13682	43.1556	50.76479	46.05771	45.23135	39.36445	0	-0.10783	0.760574	-0.207332	0.552308	0.020012	0.981269
AT1G70370	JP650	104.7424	80.11265	781.6062	414.4777	369.6567	432.6289	349.4963	381.927	425.6433	769.5476	752.969	709.596	-1.09885	1.37E-14	-1.16909	5.81E-16	-0.23557	0.344272
AT1G70380	AT1G70380	0	0	0	0.412416	2.649869	0	3.557214	2.15778	0	0.995936	1.330334	1.035907	0.458765	0.485171	0.79363	0.208618	0.478102	NA
AT1G70390	AT1G70390	0	1.784246	1.287654	8.248311	8.612075	5.981405	6.225124	8.63112	6.833722	0	0	0.1035907	1.701963	0.004592	1.580786	0.011507	-0.34813	NA
AT1G70400	AT1G70400	0	0	0	0.824831	0.662467	1.993682	0.889303	1.07889	0	0	0	0	0.631406	NA	0.357077	NA	0	NA
AT1G70410	BCA4	1917.702	2005.493	1980.412	1424.483	1657.493	1455.388	1717.245	1587.047	2180.934	2367.174	2886.825	2198.194	-0.37352	0.01996	-0.10399	0.602534	0.330249	0.156694
AT1G70420	AT1G70420	265.1256	381.8287	316.763	315.9103	347.7953	306.0301	344.1604	268.6436	428.572	347.3519	425.7069	367.7468	0.015772	0.954459	0.116634	0.605019	0.241328	0.494318
AT1G70430	AT1G70430	54.68958	71.36984	54.08148	27.21943	23.18635	22.92734	32.01493	36.68226	25.3824	98.83217	86.47171	93.23159	-1.19605	4.1E-06	-0.87526	0.001697	0.631506	0.070006
AT1G70440	SRO3	1.188904	1.784246	0	45.77813	47.69764	44.85784	46.24378	42.07671	39.04984	8.38143	0	0	3.76926	4.93E-16	0.640592	8.75E-15	0.027954	0.987439
AT1G70450	AT1G70450	2.377808	0	0	0.287654	3.299325	1.324935	0	0	2.15778	0.976246	0.995936	1.330334	0.0	0	0.166673	NA	0	NA
AT1G70460	PERK13	46.36725	44.60615	30.9037	42.89122	30.47349	30.90206	38.24005	29.13003	45.88356	72.92471	57.20436	55.93895	-0.164893	0.835712	-0.1331	0.874529	0.050398	0
AT1G70470	AT1G70470	46.36725	44.60615	30.9037	42.89122	30.47349	30.90206	38.24005	29.13003	45.88356	72.92471	57.20436	55.93895	-0.09047	0.833738	-0.09047	0.833738	0.586525	0.202595
AT1G70480	AT1G70480	166.4466	171.2876	199.5864	287.8661	275.5864	335.9353	249.8943	275.1169	253.824	188.609	156.9794	183.3555	0.722913	3.7E-06	0.522693	0.001803	-0.02029	0.965527
AT1G70490	ARF2-A	1130.648	1136.565	1136.999	3085.281	3053.974	2694.461	2200.137	2226.829	3166.942	939.1194	1113.49	1175.575	1.353164	6.82E-20	1.137979	3.11E-14	-0.05215	0.891697
AT1G70500	AT1G70500	7.133244	0	3.862963	15.67179	10.59948	18.93997	4.446517	11.86779	6.833722	11.51443	6.65167	5.179533	1.41129	0.009101	0.602641	0.359463	0.642764	NA
AT1G70505	AT1G70505	63.01191	46.3904	68.24568	40.82914	32.4609	30.90206	40.90796	43.1556	24.46675	71.00564	82.48071	59.0667	-0.72137	0.012907	-0.68535	0.027866	0.226768	0.683683
AT1G70510	KNAT2	21.40027	17.84246	14.1642	19.38353	15.23675	11.96209	15.11816	21.5778	13.66744	26.867	21.28534	26.93357	-0.14511	0.772124	-0.08938	0.874916	0.447656	0.52541
AT1G70518	AT1G70518	58.25629	42.8219	52.79383	62.68717	72.8714	52.83256	72.92289	51.78672	81.02842	45.09817	89.13238	45.57989	0.26736	0.448223	0.383733	0.280139	0.176746	0.789813
AT1G70520	CRK2	479.1283	499.5889	477.7198	7125.439	588.2709	779.5259	712.3321	689.4107	652.1323	395.3287	445.6619	462.0143	0.515907	0.000223	0.496005	0.006039	-0.15856	0.555797
AT1G70530	CRK3	253.2365	299.7533																

AT1G71000	AT1G71000	0	0	0	0	0	2.649869	0	7.114428	3.23667	3.904984	0	2.660668	1.035907	0.319661	0.658725	1.461623	0.017655	0.468185	NA
AT1G71000	FAB1C	804.888	528.1368	473.8568	279.2053	261.0121	371.8216	371.7289	418.6093	274.3251	527.7446	510.8482	502.4147	0	0	0	0	0	0	0
AT1G71010	MIR58A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT1G71010	FAB1C	804.888	528.1368	473.8568	279.2053	261.0121	371.8216	371.7289	418.6093	274.3251	527.7446	510.8482	502.4147	0	0	0	0	0	0	0
AT1G71015	AT1G71015	19.02246	28.54794	19.31482	23.50769	25.83622	20.93366	20.45398	14.02557	20.50117	36.46235	41.24035	35.22082	0.099798	0.824736	-0.22117	0.636462	0.723626	0.158726	0.158726
AT1G71020	PUBM10	485.0728	569.1745	482.8704	398.8059	347.7953	476.4899	402.8545	425.0826	326.0662	463.4557	453.6439	434.0448	-0.32511	0.055717	-0.40331	0.019465	-0.17929	0.551316	0.551316
AT1G71030	AT1G71030	1228.138	1885.948	1572.226	1504.048	1490.551	1499.249	1256.586	1068.101	986.0085	1369.257	1552.5	1417.112	-0.05701	0.788076	-0.48962	0.039365	-0.10733	0.753536	0.753536
AT1G71040	LP2	67.25235	67.87665	54.96564	1189.407	1081.809	1222.127	801.2624	773.5641	572.0804	423.1552	532.1336	450.6193	0.899651	8.64E-09	0.209447	0.277745	-0.39271	0.104365	0.104365
AT1G71050	HIPP20	72.52314	71.36984	70.82099	184.7622	158.9921	154.5103	132.5062	118.6779	144.4844	106.5085	54.54369	78.7289	1.176318	1.19E-07	0.847459	0.000345	-0.16719	0.7414	0.7414
AT1G71060	AT1G71060	54.68958	41.03766	36.05432	37.1174	40.4105	47.84836	55.13682	55.02339	64.43224	37.42189	38.57969	45.57989	-0.1007	0.77633	0.376851	0.231718	-0.11919	0.857736	0.857736
AT1G71070	AT1G71070	364.9935	356.8492	338.6531	233.4272	282.8735	307.027	332.5995	269.7225	249.919	375.1784	423.0462	390.5368	-0.36752	0.030091	-0.3075	0.09193	0.160319	0.603407	0.603407
AT1G71080	AT1G71080	428.0054	444.2773	449.3914	507.2712	474.989	465.5246	448.209	502.7627	564.2702	452.9008	420.3855	422.6499	0.133354	0.372593	0.19471	0.195946	-0.02617	0.940115	0.940115
AT1G71090	AT1G71090	461.2947	442.493	471.2815	416.1273	412.7171	400.73	437.5373	422.9249	415.8808	418.3575	444.3315	424.7217	-0.16023	0.195904	-0.10818	0.442624	-0.09803	0.665659	0.665659
AT1G71100	RP11	87.97889	82.07532	101.7247	213.2189	189.4656	163.4819	147.6244	145.6501	283.1113	71.96517	63.85603	78.7289	1.009114	0.000116	1.028285	0.000112	-0.32263	0.526123	0.526123
AT1G71110	AT1G71110	49.93397	44.60615	57.94445	116.3012	91.42048	139.5577	150.2923	133.7824	107.3871	50.85539	61.19536	64.2262	-1.116018	4.89E-06	1.291896	1.3E-07	0.180306	0.746516	0.746516
AT1G71120	GLIP6	1.188904	0	2.575309	0.824831	1.324935	0.996841	2.66791	0	0.959536	2.660668	1.035907	0	0	0	0	0	0	0	0
AT1G71130	ERF070	64.20081	51.74313	86.27284	139.8089	117.9192	93.70303	121.8346	118.6779	159.1281	71.00564	69.17737	80.80071	0.763113	0.001923	0.92723	0.000172	0.107101	0.858201	0.858201
AT1G71140	AT1G71140	59.4452	121.3287	105.8777	247.4493	224.5764	271.1407	361.0572	335.5348	287.9262	128.5778	106.4267	105.6625	1.347134	1.85E-10	1.744535	1.61E-17	0.262818	0.538161	0.538161
AT1G71150	AT1G71150	1.188904	0	1.287654	0	0	0	0.889303	0	0.976246	0.959536	2.660668	2.071813	-0.65294	0.285535	-0.12511	0.871211	0.438684	NA	NA
AT1G71160	KCS7	0	0	1.287654	0	0	0	0.889303	0	0.976246	0.959536	5.321336	2.071813	-0.48026	0.487704	0.366008	0.630359	1.524641	NA	NA
AT1G71170	AT1G71170	71.33424	90.99655	66.95803	96.91766	88.10815	81.74094	37.35075	79.83786	125.9357	39.34096	46.51619	55.93895	-0.214795	0.592001	0.082439	0.862109	-0.62661	0.246344	0.246344
AT1G71180	AT1G71180	70.14533	78.50683	73.3963	54.02644	45.71024	48.8452	41.12562	58.26006	69.31347	73.88424	65.18636	55.93895	-0.53924	0.063694	-0.46183	0.144862	-0.1712	0.773221	0.773221
AT1G71190	SAG18	116.5126	171.2876	155.8062	243.3252	255.0499	290.0807	257.0087	231.9613	219.6553	119.9424	74.4987	137.7756	-0.811001	0.000121	0.665054	0.002711	-0.38012	0.298293	0.298293
AT1G71200	AT1G71200	0	0	2.575309	0	0.662467	0	0.889303	0	0	0.959536	0	0	-0.30294	NA	-0.24219	NA	-0.22487	NA	NA
AT1G71210	AT1G71210	139.1018	135.6027	118.4642	123.7247	105.9948	149.5261	157.4067	146.729	104.4583	94.03449	95.78405	114.9856	-0.05776	0.840399	0.056024	0.856818	-0.35211	0.340615	0.340615
AT1G71220	UGGT	926.1562	783.284	690.1827	910.2012	841.3334	1106.493	1105.168	1180.306	626.7499	724.4494	659.8456	725.1346	0.242552	0.327709	0.255159	0.324275	-0.17996	0.679323	0.679323
AT1G71230	CSNSA	28.53699	24.97944	24.46543	40.82914	45.71024	47.84836	42.68657	42.07671	38.07359	34.54328	31.92802	34.18492	0.717074	0.017284	0.603573	0.067787	0.334976	0.561709	0.561709
AT1G71235	AT1G71235	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT1G71240	AT1G71240	203.3026	221.2465	206.0247	134.8599	137.1307	174.4471	193.8682	192.0424	147.4131	175.595	150.3277	194.7504	-0.49654	0.008429	-0.23291	0.286936	-0.26187	0.418228	0.418228
AT1G71250	AT1G71250	0	0	0	0	0.662467	0.996841	1.778607	0	0.976246	0	1.330334	2.071813	0.219667	NA	0.460737	NA	0.526345	NA	NA
AT1G71260	WHY2	160.502	178.4246	182.8469	239.201	246.4378	223.2923	224.1045	159.6757	295.0377	228.3695	182.2558	205.1095	0.436537	0.023575	0.267936	0.22096	0.239407	0.481893	0.481893
AT1G71270	VP52	535.0068	483.5307	516.3494	477.9897	527.3239	548.2624	525.5784	489.816	410.0233	503.7562	512.1786	485.4804	0.01119	0.952704	-0.10738	0.52897	-0.03412	0.920759	0.920759
AT1G71280	RH55	0	0	0	0.824831	1.324935	1.993682	1.778607	0	1.952492	0.959536	3.991002	3.10772	0.595866	0.831514	0.736557	0.284527	1.087806	NA	NA
AT1G71290	AT1G71290	0	0	0	0.662467	0	0	0	0	0	0	0	0	0.128567	NA	0.0	NA	0	NA	NA
AT1G71300	AT1G71300	4.755616	10.70548	3.862963	1.237247	1.987402	2.990522	11.56095	10.7889	0	0.959536	2.660668	1.035907	-0.8991	0.183636	-0.30199	0.713733	-0.10139	NA	NA
AT1G71310	AT1G71310	86.78999	108.839	96.57408	148.882	133.8184	132.5798	123.6132	102.4945	157.1756	130.4968	103.766	119.1293	0.506651	0.019066	0.390875	0.09966	0.280764	0.464701	0.464701
AT1G71320	AT1G71320	0	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	0	0	0.16673	NA	NA
AT1G71330	NAP5	23.77808	30.33218	14.1642	21.03319	22.52389	31.8989	25.7898	12.6912	13.4335	7.982004	26.93357	0	0.131447	0.808218	-0.13749	0.816219	-0.3865	0.642572	0.642572
AT1G71340	GDPD4	407.7941	412.1608	383.721	237.5514	258.3622	227.2797	221.2789	218.6569	236.2515	406.8431	299.3251	377.07	-0.72105	5.99E-07	-0.80009	6.19E-08	-0.14284	0.615864	0.615864
AT1G71350	AT1G71350	153.3686	158.7979	128.7654	134.0351	140.4431	153.7513	139.1768	141.5557	122.7319	128.5778	122.3907	128.4524	-0.04516	0.843691	-0.12248	0.589511	-0.20497	0.535672	0.535672
AT1G71360	AT1G71360	109.3792	119.5445	106.8753	63.92441	62.93439	65.79149	68.47637	83.07453	83.95716	77.72239	94.45371	99.44703	-0.77613	0.000118	-0.49537	0.02255	-0.29633	0.404371	0.404371
AT1G71370	RH49	0	0	1.287654	0.824831	0	0	1.778607	2.15778	0.976246	0.959536	0	0	-0.11767	NA	0.54214	NA	-0.06939	NA	NA
AT1G71380	CEL3	2.377808	1.784246	0	2.474493	1.324935	0.889303	3.23667	0.976246	1.919071	5.321336	5.179533	0	-0.03057	0.971524	0.083585	0.925495	0.780772	NA	NA
AT1G71390	AIRPL11	7.133424	8.92123	2.575309	32.99325	35.11077	39.87363	51.5796	39.91893	34.16861	0	1.330334	0	2.223238	1.12E-07	2.432246	6.97E-09	-1.48125	0.051327	0.051327
AT1G71400	RLP12	14.26685	10.70548	11.58889	45.36571	54.98478	54.82624	71.14428	65.81229	36.1211	5.757214	3.991002	11.39497	1.842018	6.1E-07	1.992657	8.11E-08	-0.61391	0.427403	0.427403
AT1G71410	AT1G71410	508.8509	472.8252	381.1457	315.9103	255.0499	386.7742	328.153	371.1381	202.0829	30.3133	341.8958	352.2807	-0.49408	0.036694	-0.57577	0.016856	-0.43494	0.220441	0.220441
AT1G71420	PCMP-H7	11.88904	8.92123	6.438272	10.31039	9.562205	7.974726	11.56095	6.83112	5.857476	16.31211	5.321336	6.215439	-0.12195	0.056961	-0.05081	0.946133	-0.04893	NA	NA
AT1G71430	AT1G71430	43.98945	62.44861	60.51975	91.14384	95.39529	63.79781	58.69403	63.65451	89.81463	54.69353	58.53469	62.15439	0.584302	0.03302	0.338572	0.285777	0.077061	0.909915	0.909915
AT1G71440	TFCE	208.0582	230.1677	185.4222	177.3387	170.2541	193.3871	178.75	165.0702	156.1994	167.9187	172.9434	178.1759	-0.19973	0.253032	-0.30475	0.087033	-0.25357	0.345352	0.345352
AT1G71450	ERF021	0	1.784246	0	0.412416	0	0	0	0	0	0.959536	0	0	-0.17674	NA	-0.26494	NA	-0.07273		

AT1G72080	AT1G72080	0	0	0	1.237247	0	0.996841	0.889303	0	0	0	0	0	0.388076	NA	0.146596	NA	0	NA	
AT1G72090	AT1G72090	294.8482	228.3835	261.3938	286.6288	270.9491	285.0965	236.5547	250.3025	273.3489	289.7798	270.0578	263.1203	0.092485	0.603537	-0.05498	0.791049	0.059744	0.86482	
AT1G72100	AT1G72100	0	1.784246	0	0.412416	0	0	0	0	0	0	0	0	-0.1773	NA	-0.2652	NA	-0.0567	NA	
AT1G72110	AT1G72110	2.377808	5.352738	0	0.824831	0	0	0.889303	0	0	0.976246	4.797678	11.97301	9.323159	-1.01592	0.127151	-0.71678	0.325868	1.26933	NA
AT1G72120	NPFS.14	43.98945	44.60615	39.91728	58.1506	62.93439	63.79781	57.80473	61.49673	51.74104	33.58375	21.28534	20.93357	0.501625	0.065591	0.39596	0.193271	-0.5893	0.190551	
AT1G72125	NPFS.13	2.377808	0	2.575309	2.886909	4.637271	3.987363	1.778607	1.07889	1.952492	1.919071	5.321336	1.035907	0.617305	0.381445	-0.08818	0.912257	-0.64957	NA	
AT1G72130	NPFS.11	189.0357	201.6198	175.121	95.98649	70.22153	83.73463	80.92662	65.81229	67.36097	115.1443	150.3277	188.35	-1.33225	8.92E-11	-1.34819	2.54E-10	-0.30675	0.398508	
AT1G72131	AT1G72131	1.188904	0	0	0.412416	1.324935	0	0	0	0	1.919071	3.991002	1.035907	0.060504	0.936783	-0.30675	0.648029	0.766581	NA	
AT1G72140	NPFS.12	11.88904	3.568492	3.862963	11.54764	11.92441	18.93997	14.22886	14.02557	6.833722	15.35257	7.982004	12.43088	0.808306	0.126432	0.602806	0.31007	0.643483	NA	
AT1G72141	AT1G72141	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	0	0	0	0	NA
AT1G72150	PATL1	7839.633	8098.693	6641.721	4213.238	4574.999	5307.18	5499.453	6374.082	6714.62	5841.653	5766.998	6162.608	-0.67205	2.5E-07	-0.27716	0.058917	-0.34108	0.072058	
AT1G72160	PATL3	1587.187	1536.236	1357.188	861.9486	985.7513	1008.803	958.6692	889.0053	1012.367	1268.506	1513.92	1462.7	-0.64445	1.72E-07	-0.63992	2.91E-07	-0.07773	0.77538	
AT1G72170	AT1G72170	147.4241	153.4452	169.9704	194.2477	207.3523	149.5261	118.2774	114.3623	220.6316	187.1094	211.5231	163.6732	0.222297	0.449032	-0.05268	0.884813	0.242314	0.612819	
AT1G72175	AT1G72175	61.82301	90.99655	73.3963	117.9509	105.9948	91.70935	99.60199	89.54786	135.6982	86.35821	115.7391	102.5547	0.488083	0.051238	0.518313	0.047685	0.420505	0.28611	
AT1G72180	AT1G72180	1689.433	1496.982	1261.901	651.2042	604.8326	962.9482	823.495	1052.997	951.8398	1377.4093	1344.968	1280.38	-0.98312	6.62E-08	-0.63826	0.000858	-0.14854	0.694535	
AT1G72190	AT1G72190	46.36725	90.99655	90.1358	113.0019	103.3449	111.6462	133.3955	103.5734	103.4821	92.11542	91.79304	87.01615	0.526153	0.034774	0.580274	0.024415	0.259061	0.57468	
AT1G72200	ATL11	17.83356	16.05821	6.438272	20.20836	16.56168	18.93997	12.45025	17.26224	8.786214	16.31211	11.97301	12.43088	0.424333	0.381668	-0.05948	0.926534	0.028251	NA	
AT1G72210	BHLH96	23.77808	23.1952	12.42363	11.54764	11.92441	12.95889	19.56468	15.10446	12.6912	19.19071	19.95501	21.75404	-0.63857	0.130333	-0.28225	0.575866	0.035404	0.975744	
AT1G72220	ATL54	15.45575	10.70548	14.1642	12.78488	10.59948	13.95577	7.114428	4.31556	10.73871	12.47396	2.660668	11.39497	-0.10243	0.868795	-0.70266	0.209264	-0.46369	NA	
AT1G72230	AT1G72230	83.22328	73.15409	59.2321	21.03319	15.23675	13.95577	7.114428	14.02557	6.833722	72.92471	69.17737	69.40574	-1.93224	5.57E-12	-2.68439	1.89E-16	-0.02144	0.978375	
AT1G72240	AT1G72240	8.322328	12.48972	5.150617	68.46099	62.27192	48.8452	51.5796	34.52448	108.3633	15.35257	19.95501	22.78994	2.365823	1E-08	2.460493	3.01E-09	0.901232	0.195751	
AT1G72250	AT1G72250	19.1833	1063.483	126.1901	94.85558	88.10815	115.6335	113.8098	99.25787	106.14719	129.5373	123.7211	146.0628	-0.28964	0.213727	-0.31969	1.96724	0.131801	0.770425	
AT1G72260	THI2.1	10.70014	16.05821	21.89012	11.96005	15.23675	10.96525	79.14801	74.44341	84.9334	70.0461	38.57969	33.14901	-0.33024	0.470721	2.09801	1.16E-09	1.398373	0.00163	
AT1G72270	AT1G72270	67.76752	74.98333	72.10864	38.76706	35.11077	37.87995	56.91542	40.99782	62.47974	74.84378	57.20436	33.1903	-0.896	0.000287	-0.39249	0.167597	-0.11817	0.836113	
AT1G72280	AER01	41.61164	53.52738	45.0679	419.8391	474.3266	430.6352	405.5224	357.1126	303.6125	39.34096	37.24935	38.32803	3.159822	1.07E-58	2.851115	4.9E-47	-0.25654	0.951139	
AT1G72290	AT1G72290	1.188904	0	0	0	0.662467	0	0	0	0	0	0	0	-0.07436	0	-0.18968	NA	-0.18606	NA	
AT1G72300	PSYR1	231.8363	123.113	142.9296	84.13278	81.48347	90.71251	81.81592	116.5201	68.33722	112.2657	102.4357	126.3806	-0.82756	0.000256	-0.8745	0.000911	-0.52953	0.179029	
AT1G72310	ATL3	247.292	185.5616	194.4358	112.5895	115.9318	108.6556	123.6132	132.7035	130.817	200.5429	188.9074	139.8474	-0.87925	1.8E-06	-0.68727	0.000397	-0.24731	0.46153	
AT1G72320	APUM23	334.082	322.9485	262.6815	244.15	278.8987	316.9954	336.1567	311.7992	325.2753	267.7104	236.7994	309.7361	-0.1326	0.562304	-0.0553	0.837096	-0.1675	0.65394	
AT1G72330	ALAA2	72.52314	105.2705	78.54691	308.8993	296.7853	344.9069	299.6953	277.2747	244.0615	67.16749	71.83803	93.23159	1.860601	3.9E-24	1.655636	9.52E-19	-0.11691	0.806773	
AT1G72340	AT1G72340	256.8033	337.2225	256.2432	430.9743	418.6793	416.6794	329.9316	333.377	369.9972	310.8895	363.1812	258.9766	0.574578	0.000429	0.285081	0.127176	0.1361	0.685051	
AT1G72350	AT1G72350	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT1G72360	ER073	19.02246	28.54794	21.89012	37.52982	35.11077	36.88311	20.23632	28.05114	47.83605	27.82653	17.29434	20.71813	0.629296	0.078977	0.58393	0.131381	-0.03251	0.975777	
AT1G72370	RPSAA	3208.852	3349.03	3362.065	3554.197	3385.208	3065.285	2676.803	2835.323	3646.279	3163.589	3489.466	3364.624	0.012822	0.947877	-0.11375	0.500536	0.01387	0.971711	
AT1G72390	AT1G72390	363.8046	285.4794	233.0654	187.2367	145.7428	240.2386	216.1007	250.3025	139.6032	251.3983	267.3971	229.9712	-0.60371	0.017232	-0.5219	0.051804	-0.22943	0.626348	
AT1G72410	AT1G72410	173.3424	660.171	636.1012	297.3516	302.0851	374.8121	429.5336	447.7393	388.5459	560.3688	574.7043	650.5493	-1.04031	1.43E-11	-0.65923	1.81E-06	-0.16861	0.505207	
AT1G72416	AT1G72416	60.6341	78.50683	79.83457	220.2299	240.4756	234.2576	192.0896	163.9913	279.2064	74.84378	125.0514	106.6984	1.599179	2.9E-11	-0.1475005	8.37E-10	-0.453932	0.275882	
AT1G72420	AT1G72420	53.00968	76.72258	57.94445	101.0418	106.6572	87.72199	60.91915	75.5223	108.3633	67.16749	79.82004	68.36983	0.648247	0.010698	0.400655	0.166593	0.196711	0.70827	
AT1G72430	AT1G72430	300.1615	351.4965	391.4469	337.3558	384.231	332.9448	320.1493	275.1169	563.2939	377.0975	513.5089	342.8851	0.003719	0.991752	0.134041	0.682428	0.217917	0.652681	
AT1G72440	EDA25	527.8734	446.0615	435.2272	358.3891	376.2814	348.8943	392.1828	383.0059	461.7644	400.1264	413.7339	399.8599	-0.37657	0.006478	-0.18856	0.235301	-0.21663	0.34135	
AT1G72450	THY1B	758.5207	942.0819	945.1383	1466.55	1436.892	1651.765	1996.486	1913.951	1488.755	1082.356	1303.727	826.6534	0.766395	2.6E-05	1.006319	1.87E-08	0.273123	0.388757	
AT1G72460	AT1G72460	0	0	0	0	0	0.996841	0	1.07889	0	0	1.330334	0	0.131103	0	0.159742	0	0.186122	NA	
AT1G72470	ATEX070D1	111.757	107.0548	114.6012	54.85127	62.27192	54.82624	70.25498	87.39009	76.14719	117.0633	117.0694	106.6984	-0.93269	1.79E-06	-0.50556	0.018726	0.028114	0.959035	
AT1G72480	AT1G72480	316.2484	312.2431	274.2704	233.0148	264.9869	280.1123	232.9975	223.3302	151.3181	221.6527	234.1388	256.9048	-0.21343	0.295095	-0.55666	0.003438	-0.3324	0.257373	
AT1G72490	AT1G72490	2.377808	1.784246	0	0.412416	0	0.247493	0.662467	0	2.66791	1.07889	0	1.919071	-0.07978	0.92317	-0.03913	0.963456	0.020576	NA	
AT1G72500	AT1G72500	531.4401	601.2909	579.4445	288.6909	267.6368	314.0048	297.0274	255.6969	166.9381	559.4093	360.0706	568.7127	-0.95515	5.67E-08	-1.21847	5.44E-12	-0.0182	0.971789	
AT1G72510	AT1G72510	594.452	615.5649	643.8272	671.825	804.2353	689.8138	900.8644	809.1675	1433.129	816.5648	893.9844	813.1866	0.218076	0.334938	0.74181	0.000181	0.432559	0.144935	
AT1G72520	LOX4	27.34479	33.90067	15.45185	96.09283	72.8714	150.523	157.4067	187.7268	171.8913	33.58375	34.58868	30.04129	1.906135	2.47E-10	2.582777	2.16E-18	0.325766	0.613784	
AT1G72530	MORF7	17.83356	30.33218	27.04074	34.64291	24.51129	23.92418	18.67537	26.97225	27.33489	27.82653	23.94601	20.71813	0.181697	0.675698	-0.02426	0.963111	-0.02289	0.983524	
AT1G72540	AT1G72540	32.10044	28.54794	32.19136	43.30364	47.03518	46.85152	51.5796	48.55005	35.14486	34.54328	17.29434	22.78994	0.51705	0.134321	0.501237	0.153996	-0.27159	0.679803	
AT1G72550	AT1G72550	674.1085	608.4279	629.663	545.6258	535.936														

AT1G73066	AT1G73066	14.26685	12.48972	9.01358	7.42348	7.28714	5.981045	8.003731	14.02557	3.904984	6.716749	6.65167	8.287252	-0.62069	0.254807	-0.38501	0.535921	-0.57062	NA
AT1G73080	PEPR1	269.8812	198.0513	202.1617	145.5827	149.0551	201.3618	201.8179	288.0636	231.3703	190.9476	146.3367	203.0377	-0.43596	0.055307	0.095713	0.743563	-0.30065	0.428812
AT1G73090	AT1G73090	72.52314	92.78079	101.7247	107.4085	90.75802	101.6678	85.37313	110.6523	112.2668	101.7108	85.14137	88.05205	0.174736	0.942659	0.176359	0.519719	0.051556	0.927445
AT1G73100	SUVH3	147.4241	180.2088	163.5321	136.922	135.1433	141.5514	131.6169	132.7035	100.5533	110.3466	94.45371	141.9192	-0.23584	0.28081	-0.41071	0.059626	-0.47443	0.106455
AT1G73110	AT1G73110	423.2498	440.7088	442.9531	312.1986	317.9843	293.0712	461.5485	453.1338	432.477	474.0106	534.7943	507.5942	-0.49227	2.966-05	0.044668	0.788647	0.112123	0.273403
AT1G73120	AT1G73120	0	1.784246	1.287654	0	0	0	0	0	0	1.919071	1.330334	0	-0.57802	NA	-0.51845	NA	0.085517	0.273405
AT1G73130	AT1G73130	131.9683	144.5239	136.9149	148.0572	153.6924	166.4724	207.2077	146.729	130.817	158.3234	152.9884	135.7038	0.174565	0.459986	0.232318	0.337656	0.118342	0.798327
AT1G73140	TBL31	4.755616	3.568492	1.287654	2.062078	1.324935	1.993682	1.778607	0	0	4.31556	1.952492	4.976778	0.47885	0.51088	-0.15807	0.856762	0.113869	NA
AT1G73150	GTE3	57.06739	55.31163	51.50617	60.21267	60.94699	58.81361	67.58706	62.57562	51.74104	65.24842	65.18636	58.01077	0.13107	0.655646	0.145717	0.646822	0.19152	0.697022
AT1G73160	AT1G73160	0	0	0	0	0	0.996841	1.778607	0	0	0	0	0	0.124069	NA	0.253321	NA	0	NA
AT1G73165	CLE1	0	0	0	0	0	0	0	1.07889	0	0	1.330334	1.035907	0	NA	0.179864	NA	0.38345	NA
AT1G73170	AT1G73170	781.1099	886.7703	851.1395	520.4685	484.926	545.2719	706.107	733.6452	588.6763	1025.744	948.5281	928.1722	-0.69192	1.88E-08	-0.30744	0.02445	0.20489	0.325972
AT1G73175	AT1G73175	0	0	0	0.824831	1.324935	1.993682	0	1.07889	0.976246	0.995936	1.330334	1.035907	0.703688	NA	0.336223	NA	0.559238	NA
AT1G73177	BNS	16.64466	8.92123	6.438272	27.63184	27.82363	13.95577	16.00746	9.710009	29.28738	18.23118	46.56169	26.93357	0.898537	0.068813	0.594131	0.286278	1.20257	0.066962
AT1G73180	AT1G73180	219.9472	244.4417	242.079	228.0658	226.5638	227.2797	213.4328	221.1724	138.6269	207.2597	160.9704	249.6535	-0.04734	0.0683423	-0.29131	0.227164	-0.18038	0.657308
AT1G73190	TIP3-1	10.70014	1.784246	4.510617	10.31039	9.274542	4.984204	5.335821	5.39445	16.59618	2.878607	3.991002	5.179533	0.332506	0.624175	0.41147	0.558496	-0.0412	NA
AT1G73200	AT1G73200	321.0041	340.791	306.4617	325.3959	306.0599	365.8406	361.9465	427.2404	323.3174	350.2305	270.0578	351.1273	0.040517	0.854206	0.197356	0.314809	0.011636	0.98194
AT1G73210	AT1G73210	45.17835	55.31163	46.35556	40.41673	34.88943	50.6093	60.9693	57.15851	32.3667	57.93953	58.53469	35.22082	-0.15248	0.693837	-0.04284	0.932526	0.098012	0.895902
AT1G73220	OCT1	20.21137	17.136984	11.58889	24.74493	31.13596	24.92102	9.782338	10.7889	26.35864	6.762625	14.63367	17.251346	0.875156	0.060888	0.18189	0.773127	-0.38656	0.683683
AT1G73230	AT1G73230	1440.952	1521.962	1802.716	1828.238	1893.331	1592.952	1479.801	1427.371	1931.015	1767.465	1825.218	1760.1005	0.155475	0.370177	0.021299	0.922553	0.164648	0.556655
AT1G73240	AT1G73240	86.78999	74.98333	69.53333	64.74925	72.8714	58.81361	62.25124	56.10228	51.74104	66.20796	75.82904	63.1903	-0.22464	0.384023	-0.42871	0.099341	-0.17693	0.707732
AT1G73250	GER1	117.7015	114.1917	90.1358	122.8998	141.1055	145.5388	104.0485	132.7035	138.6269	119.942	93.12338	97.37521	0.332546	0.133725	0.213952	0.400905	-0.04221	0.940076
AT1G73260	ATK11	27.34479	35.68492	60.51975	372.4113	475.6515	521.3477	273.0162	230.8824	306.5412	0.595356	22.61568	12.43088	3.305647	1.47E-40	2.574591	2.04E-24	-1.32216	0.000852
AT1G73270	SCPL6	3.566712	1.784246	2.575309	2.062078	0.662467	1.993682	1.778607	0.431556	0.976246	2.878607	0	4.143626	-0.3975	0.59809	-0.11061	0.900511	-0.06764	NA
AT1G73280	SCPL3	0	0	0	0	0	0.889303	0	0	0	0	0	0.2071813	0	NA	0.133076	NA	0.29577	NA
AT1G73290	scpl5	0	1.784246	0	0.412416	0.662467	0.996841	2.66791	0	0	0.995936	1.330334	1.035907	0.046741	0.951858	0.20044	0.787337	0.209799	NA
AT1G73300	SCPL2	0	3.568492	0	0.824831	1.324935	1.993682	1.778607	1.07889	0.976246	0.995936	2.660668	3.10772	0.106511	0.898054	0.109035	0.899235	0.459377	NA
AT1G73310	SCPL4	59.4452	87.42806	74.68395	73.82239	72.20893	85.72831	11.8308	67.97007	81.02842	88.27728	121.0604	78.7289	0.067065	0.845942	0.254515	0.427433	0.364956	0.42129
AT1G73320	AT1G73320	59.4452	44.60615	54.08148	43.30364	53.65985	61.80413	48.91167	57.18117	25.3824	58.53167	55.87403	46.61579	-0.02264	0.956415	-0.26394	0.483737	0.013016	0.988816
AT1G73325	AT1G73325	5.94452	8.92123	11.58889	8.248311	6.246733	7.974726	16.89677	12.94668	25.3824	22.06932	59.91002	15.5386	-0.19829	0.747555	0.878672	0.087988	1.238841	NA
AT1G73330	ATDR4	53.00684	26.76369	32.19136	116.7136	99.37009	92.70619	98.71269	122.9935	143.5082	80.60099	102.4357	114.9856	1.345707	3.39E-07	1.567296	2.68E-09	1.283562	4.71E-05
AT1G73340	AT1G73340	1.188904	0	0	0.412416	0.662467	0.996841	0.889303	0	0.928738	0	1.330334	1.035907	0.079991	NA	0.397175	NA	0.143078	NA
AT1G73350	AT1G73350	160.502	148.0924	144.2173	247.3069	296.1229	220.3018	211.6542	215.778	313.375	176.5546	192.8984	192.6786	0.734113	0.00209	0.688274	0.000771	0.298914	0.332253
AT1G73360	HDG11	49.93397	35.68492	43.78025	27.19443	26.49869	33.89259	23.34701	36.68226	34.16861	50.85539	38.57969	49.72351	-0.36895	0.059262	-0.68976	0.28357	0.094859	0.889394
AT1G73370	SUS6	65.38972	51.74313	66.95803	29.69392	38.4231	36.88311	37.35075	32.3667	36.1211	65.24842	66.5167	66.29802	-0.80822	0.001528	-0.76944	0.005043	0.08951	0.879636
AT1G73380	AT1G73380	101.0568	114.1917	87.5605	137.334	126.5312	127.9556	149.403	158.5968	160.1043	115.1443	78.4897	109.1294	0.374539	0.06948	0.621762	0.001968	0.011241	0.985661
AT1G73390	AT1G73390	256.8033	264.0684	328.3519	297.764	253.0625	273.1344	251.6729	223.3302	185.4867	272.5081	339.2352	292.6586	-0.04199	0.862526	-0.35559	0.066856	0.082588	0.837385
AT1G73400	AT1G73400	41.61164	39.25341	39.91728	24.33252	19.21155	24.92102	35.57214	20.49891	18.54867	33.58375	37.24935	49.72351	-0.76241	0.022728	-0.62976	0.0857	-0.00096	0.998668
AT1G73410	ATMYB54	5.94452	0	0.862963	1.237247	1.324935	0.996841	2.66791	0	0.95536	0	0.2071813	0	-0.7246	0.296372	-0.53364	0.481339	-0.75244	NA
AT1G73430	AT1G73430	449.4057	405.0238	439.0901	370.7616	384.231	428.6415	447.3197	418.6093	273.3489	400.1264	496.2146	356.3158	-0.12857	0.589162	-0.17964	0.459003	-0.04932	0.920659
AT1G73440	AT1G73440	93.92341	103.4863	110.7383	106.8156	116.3942	120.6177	96.93408	101.4157	132.7695	121.861	113.0784	121.2011	0.149372	0.526267	0.102101	0.704606	0.207683	0.586265
AT1G73445	AT1G73445	4.755616	0	2.575309	6.598649	6.624673	4.984204	3.557214	2.15778	11.71495	11.51443	6.65167	6.215439	0.712271	0.273608	0.652762	0.352169	1.013002	NA
AT1G73450	AT1G73450	244.9142	201.6198	197.0111	133.6226	126.5312	146.5356	145.4858	145.6501	102.5058	165.0401	212.8534	185.4273	-0.65462	0.000565	-0.69395	0.000415	-0.19664	0.586265
AT1G73460	AT1G73460	455.3502	372.9794	379.858	246.2121	210.0021	308.0238	295.8448	346.3237	206.9642	379.0166	393.7789	393.6245	-0.49877	0.001249	-0.49877	0.001249	-0.05155	0.920201
AT1G73470	AT1G73470	388.7716	458.5512	490.9663	299.8262	271.6116	283.1028	289.9129	330.1403	308.9437	537.34	464.2866	426.7935	-0.63305	1.49E-05	-0.51816	0.000713	0.09675	0.757425
AT1G73480	AT1G73480	924.9673	1018.804	1006.946	640.8938	543.8856	669.877	603.8371	617.125	343.6386	968.1714	760.951	862.9101	-0.65119	0.001471	-0.8889	1.06E-05	-0.1803	0.649117
AT1G73490	AT1G73490	384.016	403.2396	445.5284	623.9848	629.3439	611.0634	535.3607	463.9227	464.6931	389.5715	473.5989	468.2298	0.590122	6.57E-06	0.245773	0.106376	0.106402	0.701857
AT1G73500	MKK9	90.3567	105.2705	86.27284	293.2225	276.9113	322.9764	335.2674	340.9292	481.2893	67.16749	73.16837	61.11849	1.623417	2.44E-17	1.99174	1.15E-25	-0.46167	0.185983
AT1G73510	AT1G73510	1.188904	0	1.287654	0.824831	1.324935	0.996841	0	3.23667	2.928738	0	0	1.035907	0.062072	0.939775	0.054749	0.527023	-0.27419	NA
AT1G73530	AT1G73530	135.535	157.0137	155.8062	214.0437	198.0777	193.3871	149.403	183.4113	235.2753	198.6239	139.6851	211.3249	0.426176	0.056168	0.332293	0.171444	0.94375	0.432866

AT1G74010	AT1G74010	3.566712	10.70548	11.58889	58.1506	62.27192	69.77885	55.13682	39.91893	41.97858	5.757214	14.63367	8.287252	2.578937	1.75E-12	2.132966	1.93E-08	0.071333	0.952547
AT1G74020	SSL12	55.87849	66.0171	77.25926	239.6134	260.3496	268.1502	261.4552	251.3814	231.3703	71.00564	83.81104	54.90305	1.893447	3.19E-24	1.851496	1.15E-22	0.057835	0.917881
AT1G74030	EN01	102.2457	74.93833	113.3136	89.08176	87.44568	109.6525	46.24378	71.20674	71.12343	110.3466	81.15037	97.370521	-0.04227	0.898718	-0.57129	0.034513	-0.03135	0.986206
AT1G74040	IPMS2	369.7491	421.0821	378.5704	203.3209	197.4152	241.2355	282.7985	277.2747	260.6577	358.8663	364.5115	390.5368	-0.85978	8.14E-11	-0.49933	0.000405	-0.0642	0.839654
AT1G74045	TE117	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G74050	RPL6C	1739.366	1787.815	1921.18	1943.715	2241.789	1909.947	1807.065	1917.187	2709.083	1774.181	1737.416	1963.043	0.159113	0.399747	0.235401	0.208727	0.006936	0.988816
AT1G74055	AT1G74055	9.511232	3.568492	9.01358	6.186234	4.637271	4.984204	2.66791	2.15778	4.88123	5.757214	11.97301	11.39497	-0.385	0.54746	-0.85697	0.176551	0.268868	NA
AT1G74060	RPL6B	947.5564	1004.531	1033.986	1065.269	1191.116	998.8345	822.6057	941.8709	1638.141	859.7439	702.4163	972.7162	0.1206	0.672194	0.18186	0.526269	-0.22696	0.59678
AT1G74070	CYP26-2	345.971	312.2431	342.5161	184.3498	135.8058	156.504	187.643	189.8846	260.6577	375.1784	328.5925	374.9982	-1.04187	1.64E-09	-0.63709	0.000496	0.106129	0.781222
AT1G74080	MYB122	0	0	1.287654	9.073143	9.937009	6.977885	15.11816	9.710009	15.61994	0	0	0	2.029597	0.000471	2.540664	9.29E-06	-0.38415	NA
AT1G74088	AT1G74088	19.02246	35.68492	25.75309	44.9533	41.07297	41.86731	28.45771	21.5778	24.40615	29.7456	26.60668	23.82585	0.670956	0.039713	-0.06308	0.895547	0.032255	0.973083
AT1G74090	SOT18	712.1535	456.767	545.9654	325.3959	346.4704	317.9922	345.0498	363.5859	451.0256	620.8196	569.3829	613.2567	-0.78122	4.91E-06	-0.5582	0.001954	0.066825	0.870242
AT1G74100	SOT16	479.1283	447.8458	506.0482	697.3947	718.777	766.7056	1024.478	911.662	1183.21	427.9529	453.6439	482.7324	0.59503	7.94E-06	1.106671	4.8E-18	-0.073	0.814647
AT1G74110	CYP78A10	0	0	0	0.412416	0	0	0	0	0.972646	0	0	0.1035907	0.065653	NA	0.157247	NA	0.168331	NA
AT1G74120	AT1G74120	70.14533	66.0171	56.65679	44.9533	57.63465	58.81361	57.80473	66.89118	43.93110	48.93632	78.4897	58.01077	-0.25984	0.396402	-0.18605	0.590315	-0.06798	0.920546
AT1G74130	AT1G74130	1.188904	0	0	0.824831	0	0.996841	0.889303	2.15778	0	2.878607	0	2.071813	0.028181	0.970721	0.242334	0.742239	0.529654	NA
AT1G74140	AT1G74140	1.188904	0	0	0.248311	10.59948	7.974726	1.778607	1.07889	0.972646	0	0	0	2.2415	0.000184	0.340045	0.670578	-0.33071	NA
AT1G74150	AT1G74150	9.511232	19.62671	12.87654	9.073143	7.949607	12.95893	9.782338	15.10446	14.64369	8.635821	11.97301	9.323159	-0.40682	0.433837	-0.03956	0.951719	-0.38382	NA
AT1G74160	AT1G74160	548.0847	358.6335	394.0222	171.5649	184.8284	208.3397	280.1306	276.1958	178.653	371.3403	375.1542	359.4596	-1.17845	2.92E-09	-0.80416	0.000105	-0.23201	0.540008
AT1G74170	AiRPL13	214.0027	171.2876	230.4901	233.4272	237.1633	284.0996	219.658	242.7502	184.5103	193.8262	191.5681	194.7504	0.058937	0.147072	0.058937	0.810984	-0.09323	0.812961
AT1G74180	AiRPL14	111.577	99.91778	105.5877	55.26369	53.65985	54.82624	78.25871	75.5223	48.8123	79.64146	82.48071	81.83662	-0.92625	1.92E-05	-0.62888	0.007251	-0.37178	0.307324
AT1G74190	AiRPL15	0	1.784246	1.287654	0	0	1.993682	0	1.07889	0	0	0	2.071813	-0.15539	NA	-0.2575	NA	-0.09253	NA
AT1G74200	AiRPL16	19.02246	44.60615	16.73951	40.41673	47.69764	46.85152	40.90796	39.91893	29.28738	15.35257	13.30334	18.64632	0.745674	0.036209	0.473955	0.244735	-0.61017	0.326361
AT1G74205	AT1G74205	0	0	5.150617	1.649662	0.662467	0.996841	2.66791	2.15778	0	0.99536	0	2.071813	-0.23275	0.760965	-0.0447	0.958512	-0.25306	NA
AT1G74210	GDOP5	159.3131	189.1301	181.5593	375.2982	363.0321	353.8785	253.4515	237.3558	190.368	204.3811	198.2198	149.1705	1.029411	8.19E-10	0.359307	0.06924	0.059672	0.892467
AT1G74220	AT1G74220	0	0	0	0.662467	0	0.889303	1.07889	0.972646	0	1.330334	0	0	0.080865	NA	0.526273	NA	0.210243	NA
AT1G74230	RBG5	482.695	438.9245	408.1864	593.8784	616.757	463.531	377.0647	405.6626	698.0159	371.3403	321.9408	369.8186	0.322899	0.186996	0.149341	0.60362	-0.31093	0.425471
AT1G74240	AT1G74240	36.85602	23.1952	21.89012	37.52982	30.47349	46.85152	26.6791	30.20892	27.33489	30.70514	25.27635	25.89766	0.41981	0.240051	0.012558	0.979651	-0.01528	0.988019
AT1G74250	AT1G74250	441.0834	392.5341	321.9136	312.1986	334.54	301.0459	321.1455	347.4026	428.572	294.5774	313.9588	326.3106	-0.08598	0.121396	-0.08158	0.700832	-0.30076	0.271055
AT1G74260	PUR4	946.3675	628.0546	516.3494	222.292	224.5764	324.9701	291.6915	366.8226	384.8524	436.5887	453.6439	498.271	-1.39632	8.26E-11	-1.03932	0.262-06	-0.57223	0.070883
AT1G74270	RPL35AC	145.0463	123.113	166.1074	270.1322	286.1859	202.3587	171.6356	169.3857	382.6884	90.19635	114.4087	208.2172	0.742658	0.029873	0.67702	0.059168	-0.06974	0.935197
AT1G74280	AT1G74280	41.61164	64.23286	39.91728	115.8888	106.6572	112.643	88.93035	81.99564	85.90965	48.93632	59.86503	65.26211	1.191786	1.3E-07	0.1815909	0.000892	0.268324	0.567588
AT1G74290	AT1G74290	21.40027	28.54794	21.89012	30.93117	23.84882	30.90206	19.56468	24.81447	21.47741	33.58375	21.28534	23.82585	0.25477	0.528445	-0.10248	0.837979	0.154147	0.850794
AT1G74300	AT1G74300	52.31177	58.80012	54.08148	107.6405	99.37009	98.68724	69.35667	70.12785	71.26596	34.54328	22.61568	51.79533	0.867137	0.000845	0.341456	0.248079	-0.53799	0.205441
AT1G74310	CLP81	116.5126	101.702	75.97161	70.11065	58.29712	77.75358	61.36194	59.33895	69.31347	102.6703	86.47171	106.6984	-0.50278	0.031446	-0.60649	0.014218	0.014025	0.983741
AT1G74320	F1017.1	229.4585	248.0102	242.079	241.6755	239.1507	245.2228	318.3706	321.5092	215.5704	259.0746	316.6195	294.1975	0.013743	0.956282	0.246227	0.234705	0.026675	0.378772
AT1G74330	AT1G74330	89.1678	92.78079	81.12222	113.8267	84.13334	151.5198	128.949	137.019	91.76712	91.15588	93.12338	97.37521	0.38335	0.153438	0.42647	0.127679	0.096248	0.872888
AT1G74340	AT1G74340	117.7015	128.4657	121.0395	229.3031	204.7024	161.4882	152.9602	162.9124	164.0093	128.5778	150.3277	119.1293	0.698605	0.00207	0.37868	0.076833	0.110149	0.978669
AT1G74350	AT1G74350	20.21137	17.84246	16.73951	26.80701	17.88662	28.90838	29.34701	26.97225	16.61994	18.23118	17.29434	27.96948	0.369078	0.40029	0.344221	0.47452	0.187812	0.836364
AT1G74360	AT1G74360	65.38972	82.07532	46.35556	198.7843	141.768	242.2323	184.9751	234.1191	176.7005	31.66468	29.26735	50.75942	-0.159857	6.62E-09	1.552044	4.1E-09	-0.71262	0.100977
AT1G74370	AT1G74370	215.1916	276.5581	258.8185	209.0947	225.2389	206.346	251.6729	240.5925	239.1803	237.9648	236.7994	217.5404	-0.21579	0.184886	-0.02738	0.989257	-0.10695	0.374334
AT1G74380	GT5	460.1058	503.1574	441.6654	314.6731	332.5586	422.6605	326.3744	430.4771	393.4271	365.5831	419.0552	424.7217	-0.39119	0.021782	-0.2828	0.128796	-0.21126	0.474444
AT1G74390	NEN3	64.20081	82.07532	68.24568	67.63615	67.57166	59.81045	60.47264	93.86342	59.55101	80.60099	65.18636	74.58257	-0.11265	0.171219	0.000106	0.999892	0.056167	0.930364
AT1G74400	PCMP-6E8	9.511232	10.70548	14.1642	19.79955	25.17376	9.968408	22.23259	25.89336	27.33489	10.55489	15.96401	16.5745	0.602291	0.193021	0.974876	0.031175	0.249482	0.794084
AT1G74410	ATL24	68.95643	57.09587	66.95803	10.32323	100.695	134.5735	124.5025	118.6779	117.1495	74.84378	82.48071	53.86714	0.876587	8.38E-05	0.857708	0.000199	0.103638	0.853259
AT1G74420	FUT3	21.40027	14.27397	19.31482	13.72747	9.937009	2.990522	13.33955	10.7889	7.809968	14.39303	14.63367	31.0772	-0.87465	0.072039	-0.66013	0.219302	0.103831	NA
AT1G74430	MYB95	28.53369	21.41095	38.62963	61.03751	54.32232	60.80729	67.58706	63.65451	65.40848	42.21957	35.91902	27.96948	0.908921	0.001231	1.060243	0.000201	0.214736	0.730349
AT1G74440	AT1G74440	76.08985	67.80135	72.10864	209.0947	234.5134	180.4282	118.2774	124.0723	153.7206	56.6126	57.20436	54.90305	1.489608	2.31E-14	0.838162	8.67E-05	-0.34975	0.373178
AT1G74448	AT1G74448	0	0	0	0	0	0	0	0	0.976246	0	0	0	0	NA	0.16673	NA	0.07133	NA
AT1G74450	AT1G74450	209.2471	248.0102	261.3398	239.6134	259.6872	593.1203	526.4677	579.3639	840.5478	220.6932	224.8264	187.4991	0.560407	0.0757	1.351897	0.000003	-0.17123	0.79119

AT1G74950	TIFY10B	381.6382	358.6335	357.9679	494.8987	618.082	619.0381	818.1592	773.5641	707.7783	374.2189	353.8688	347.0287	0.642144	2.77E-06	1.051221	2.42E-15	-0.03125	0.933811
AT1G74960	KAS2	1360.106	1388.143	1310.832	800.4986	768.462	865.2578	1033.371	1007.683	802.4742	1279.061	1173.355	1294.883	-0.73092	1.65E-09	-0.50741	5.99E-05	-0.11279	0.645841
AT1G74970	RPS9	1947.425	1771.756	1776.963	962.578	1028.812	932.0461	1119.633	1248.276	1889.036	1900.84	1901.047	1775.544	-0.89126	2.38E-07	-0.36112	0.063541	0.02049	0.967025
AT1G74990	AT1G74990	0	0	0	0	0.662467	0	0.889303	0	0.976246	0	0	0	0.109442	NA	0.323202	NA	0	NA
AT1G75000	AT1G75000	16.64466	28.54794	20.60247	23.50769	29.81103	23.92418	41.79726	40.99782	34.16861	12.47396	22.61568	15.5386	0.239835	0.566315	0.800461	0.029978	-0.33472	0.644822
AT1G75010	ARC3	256.8033	274.7739	235.6407	200.434	184.1659	185.4124	265.0124	262.1703	211.8454	289.7798	250.1028	332.526	-0.41386	0.015412	-0.04925	0.834127	0.189924	0.53238
AT1G75020	LPAT4	82.03437	94.56504	68.24568	145.9951	149.1716	169.6429	173.4142	175.8591	174.748	65.24842	74.4987	94.26749	0.905806	3.79E-06	1.080445	3.67E-08	-0.05224	0.92514
AT1G75030	ATL-3	13.07794	14.27397	16.23951	12.37247	10.59948	8.971567	7.114428	10.7889	8.57476	17.27164	6.65167	7.251346	-0.367591	0.502207	-0.73885	0.17314	-0.38434	NA
AT1G75040	PRS	246.1031	421.0821	275.558	1200.542	1056.635	958.9608	771.9154	1045.444	1246.666	80.60099	79.82004	72.51346	1.723609	1.14E-16	1.653976	2.39E-15	-1.91234	1.56E-15
AT1G75050	AT1G75050	0	0	2.575309	0	1.324935	0.996841	0	0	0	0	0	0.1035907	-0.03402	NA	-0.41982	NA	-0.22317	NA
AT1G75060	AT1G75060	34.47821	35.68492	38.62963	60.21267	51.00998	37.87995	52.46891	49.62894	53.69353	59.49121	58.53469	60.08258	0.458035	0.118725	0.487161	0.11901	0.671381	0.093479
AT1G75070	AT1G75070	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G75080	BZR1	321.0041	287.2636	239.5037	225.1789	214.6394	260.1754	234.7761	257.8547	215.7504	251.3983	256.7545	213.3967	-0.27751	0.123095	-0.25586	0.186673	-0.23038	0.438107
AT1G75090	AT1G75090	29.7226	26.76369	21.89012	25.56977	25.83622	25.91786	37.35075	29.13003	36.1211	32.62421	34.58868	22.78994	-0.02432	0.957417	0.364652	0.348711	-0.174525	0.811605
AT1G75100	JAC1	1014.135	1052.705	968.3161	548.9251	525.999	523.3414	356.0107	265.4069	160.1043	947.0617	1021.696	926.1004	-0.8969	0.000113	-1.8922	3.1E-21	0.066058	0.895329
AT1G75110	RAA2	27.34479	33.90067	38.62963	16.08421	19.21155	22.92734	18.67537	14.02557	18.54867	34.54328	30.59768	30.04129	-0.74712	0.028892	-0.86631	0.018391	-0.05254	0.953003
AT1G75120	RAA1	68.95643	66.0171	46.35556	72.58514	63.59686	78.75042	59.58333	63.65451	56.62227	58.53167	49.22236	72.51346	0.235311	0.408039	-0.00857	0.981309	0.005168	0.993998
AT1G75130	CYP721A1	215.1916	224.815	187.9975	178.1635	187.4782	157.5008	128.949	128.3879	141.5557	135.2945	121.0604	162.6373	-0.248	1.182994	-0.63704	0.000356	-0.56186	0.014539
AT1G75140	AT1G75140	196.1692	194.4828	177.6963	164.5538	167.6042	195.3808	176.9714	190.9635	150.3419	122.8206	146.3367	146.06328	-0.11273	0.585778	-0.13034	0.552297	-0.44637	0.077133
AT1G75150	AT1G75150	89.1678	58.88012	84.98519	61.86234	47.69764	63.79781	56.91542	46.39227	43.93107	108.4275	137.0244	96.33931	-0.42938	0.1061	-0.64486	0.018351	0.508167	0.17126
AT1G75160	AT1G75160	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G75163	AT1G75163	16.64466	21.41095	11.58889	13.1973	10.59948	11.96209	15.56095	14.02557	9.76246	18.23118	15.96401	13.46678	-0.37964	0.429312	-0.40358	0.439605	-0.02168	NA
AT1G75166	AT1G75166	16.64466	7.136984	14.1642	20.20836	15.23675	16.94629	21.34328	10.7889	8.786214	22.06932	10.64267	12.43088	0.370133	0.480008	0.0638	0.923388	0.190814	NA
AT1G75170	AT1G75170	80.84547	128.4657	95.28642	121.678	259.6872	231.2671	234.7761	198.5157	211.8454	112.2657	97.11438	109.8061	1.210985	3.37E-11	1.079733	9.24E-09	0.092144	0.847794
AT1G75180	AT1G75180	771.5987	874.2806	821.5235	647.08	666.4421	679.8454	566.4863	490.8949	510.5776	806.9695	756.96	834.9407	-0.30384	0.008216	-0.64403	6.51E-09	-0.0362	0.894225
AT1G75190	AT1G75190	164.0687	185.5616	191.8605	280.855	263.662	243.2291	221.6542	240.5925	475.4318	186.1499	164.9614	191.6427	0.518419	0.058479	0.741814	0.005916	0.00546	0.993903
AT1G75200	TYW1	224.7028	185.5616	178.984	203.7333	155.6798	232.2639	156.5174	142.4135	141.5557	114.847	121.0604	136.7397	-0.02698	0.992335	-0.41161	0.054813	-0.64934	0.011485
AT1G75210	AT1G75210	471.9949	458.5512	457.1173	324.5711	365.6819	331.948	384.1791	348.4815	316.3037	411.6408	440.3405	515.8815	-0.43623	0.002181	-0.39765	0.007738	-0.02065	0.957197
AT1G75220	AT1G75220	860.7665	956.3559	873.0296	741.1108	860.545	990.8597	1144.534	1050.839	1086.562	1141.847	1093.534	1085.63	-0.05581	0.740932	0.285771	0.043217	0.302542	0.114673
AT1G75230	AT1G75230	98.67903	96.34929	70.82099	86.60727	101.3575	77.75358	97.82338	96.0212	81.02842	73.88424	79.82004	62.15439	0.010057	0.974102	0.051406	0.873303	-0.29058	0.483716
AT1G75240	ZHD5	233.0252	155.2294	193.1482	216.5182	216.6268	185.4124	126.8121	134.8612	171.8193	187.1094	196.8894	167.8169	0.08139	0.739601	-0.42637	0.044686	-0.08694	0.848479
AT1G75250	RL6	24.96698	30.33218	33.47901	15.25938	19.87402	11.96209	20.45398	7.55223	27.33489	26.867	31.92802	33.14901	-0.79945	0.044161	-0.52616	0.191899	0.050299	0.961209
AT1G75260	AT1G75260	9.511232	12.48972	24.46543	6.598649	2.649869	1.993682	4.446517	6.47334	10.73871	11.51443	9.312338	13.46678	-1.49353	0.003927	-0.88319	0.121499	-0.35055	NA
AT1G75261	AT1G75261	0	0	0	0.412416	0.662467	0	0	0	0	0	0	0	0.196313	NA	0	NA	0	NA
AT1G75270	DHAR2	122.4571	158.7979	184.1346	235.9017	251.0751	239.2418	183.1965	165.0702	269.4439	209.1788	214.1838	171.9605	0.624216	0.004501	0.398314	0.102405	0.344331	0.345578
AT1G75280	AT1G75280	693.131	783.284	759.7161	362.5133	362.3696	308.0238	393.0721	311.7992	388.5459	790.6574	768.933	723.0268	-1.09287	1.48E-17	-0.10476	8.28E-15	0.03145	0.927039
AT1G75290	AT1G75290	4.755616	0	2.575309	6.598649	3.312336	0.996841	3.572714	0	1.952492	1.919071	5.321336	3.10772	-0.32717	0.670844	-0.22993	0.787874	0.185923	NA
AT1G75295	AT1G75295	13.07794	8.91213	12.87654	21.85803	26.49869	15.94945	17.78607	10.7889	20.50117	20.15025	23.94601	12.43088	0.755428	0.088176	0.39518	0.456862	0.552874	0.469967
AT1G75300	AT1G75300	3.566712	0	3.862963	2.062078	3.312336	1.993682	0.889303	3.23667	0	1.919071	2.660668	8.287252	-0.05626	0.94879	-0.44503	0.569483	0.414519	NA
AT1G75310	AUL1	447.0279	301.5376	305.1741	199.6091	175.5538	264.1628	259.6766	276.1958	250.8592	279.2249	340.5655	302.4847	-0.71447	0.000363	-0.41531	0.059866	-0.19426	0.612836
AT1G75330	OTC	567.1072	547.7635	506.0482	508.096	491.5507	474.4962	500.6779	613.8884	652.1323	540.2186	526.8123	533.4919	-0.13336	0.386156	-0.12155	0.046156	-0.01755	0.962126
AT1G75335	AT1G75335	15.45575	21.41095	14.1642	14.84696	17.22415	10.96525	11.56095	12.94668	20.50117	11.51443	11.97301	9.323159	-0.1681	0.75066	-0.13407	0.819722	-0.52515	NA
AT1G75340	CG1	162.8798	160.5821	173.8333	188.0615	194.7654	225.286	195.6468	208.2258	111.292	172.7164	156.9794	156.4219	0.275443	0.2583	0.047097	0.88248	-0.03165	0.95904
AT1G75350	RLP31	2003.303	2365.91	2302.326	2267.873	2313.998	1986.704	1977.811	1990.552	4028.962	2745.231	2225.649	2815.594	-0.02113	0.950326	0.251582	0.382446	0.214732	0.641169
AT1G75360	AT1G75360	21.40027	24.97944	18.02716	11.54764	7.949607	6.977885	10.67216	18.34113	23.4299	18.23118	19.95501	18.64632	-1.05875	0.011476	-0.25512	0.625902	-0.14784	0.877782
AT1G75370	SFH5	947.5564	1090.174	950.3025	784.002	725.4017	898.1535	1074.2719	1036.813	697.0393	1101.547	1068.258	1140.533	-0.31001	0.090224	-0.0907	0.68893	0.14222	0.675877
AT1G75380	BD1	6838.575	9574.264	8158.578	7902.295	8056.927	7314.818	10845.95	10380	9600.403	8040.909	8588.636	8459.213	-0.07666	0.64303	0.323894	0.021931	0.030191	0.92935
AT1G75388	CPuORF5	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G75390	AtbZIP44	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G75394	AT1G75394	0	0	0	0	0	0	0	0	0.976246	0.995936	0	1.035907	0	0.101336	NA	0.3951396	NA	NA
AT1G75400	AT1G75400	150.9908	181.9931	169.9704	184.3498	164.2919	147.5324	170.7463	201.7524	159.1281	118.0229	118.3997	124.3088	-0.00094	0.997514	0.0783	0.73103	-0.46083	0.081703
AT1G75410	BH3	172.1535	270.8354</																

AT1G75930	EXL6	9.511232	5.352738	2.575309	0	0	0	0	0	0	26.867	6.65167	15.5386	-2.13208	0.000467	-1.8825	0.002695	1.247402	NA
AT1G75940	BGLU20	36.85602	26.76369	12.87654	0	0	0.996841	0	0	0	76.76285	23.94601	95.3034	-3.55303	1.66-11	-3.37931	4.54E-10	1.232832	0.064776
AT1G75950	SKP1A	1161.559	1152.23	1286.367	1559.343	1740.964	1294.896	1354.409	1216.988	1825.58	110.5787	1315.7	1239.908	0.345331	0.061556	0.282198	0.153996	0.206272	0.965701
AT1G75960	AAE8	80.84547	114.1917	64.38272	58.97543	40.4105	63.79781	79.14801	69.04896	87.86214	57.57214	63.85603	59.04667	-0.62454	0.019341	-0.10789	0.759953	-0.48231	0.253568
AT1G75970	AT1G75970													#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G75980	AT1G75980	64.20081	98.13353	79.83457	137.7468	146.4053	92.70619	122.7239	110.0468	123.007	121.861	114.4087	111.8779	0.647348	0.005018	0.552734	0.024915	0.522001	0.13032
AT1G75990	RPN3B	266.3145	246.226	252.3803	350.5532	346.4704	335.9353	272.1269	317.1936	238.204	215.8955	260.7455	267.2639	0.425785	0.007039	0.107087	0.599705	-0.0452	0.909264
AT1G76000	AT1G76000													#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G76010	AT1G76010	1565.786	1336.4	1319.846	1068.156	1030.799	1055.654	990.6841	1192.173	1402.865	1204.217	1073.58	1174.718	-0.41541	0.004876	-0.23374	0.156054	-0.28636	0.205441
AT1G76020	AT1G76020	145.0463	173.0719	229.2025	81.65828	82.14594	78.75042	98.71269	88.46897	98.60085	174.6355	167.6221	190.6068	-1.14058	1.94E-09	-0.90998	4.54E-06	-0.03531	0.946238
AT1G76030	VHA-B1	2305.285	2174.996	2158.109	1467.375	1501.151	1777.367	1784.832	1934.45	1769.934	2017.903	1962.243	1920.571	-0.48323	6.2E-06	-0.2727	0.018996	-0.16885	0.356429
AT1G76040	CPK29	112.9459	123.113	118.4642	358.8015	329.9087	362.85	377.954	325.8248	273.3489	92.11542	99.77505	96.33931	1.540267	9.42E-21	1.436927	1.06E-17	-0.29016	0.379968
AT1G76050	AT1G76050	274.6368	248.0102	267.8321	221.0547	243.788	250.207	259.6766	256.7758	207.9404	289.7798	262.0758	277.6229	-0.15224	0.377791	-0.12785	0.501452	0.06701	0.850053
AT1G76060	EMB1793	43.98945	39.25341	51.50617	56.50093	59.62205	59.81045	48.02239	49.62894	84.9334	42.21957	61.19536	52.83123	0.350209	0.272205	0.403262	0.227934	0.17962	0.775068
AT1G76062	MIR835A													#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G76065	AT1G76065	5.94452	8.92123	7.729526	16.08421	15.23675	9.968408	19.56468	9.710009	19.52492	9.595356	17.29434	14.50269	0.737476	0.141978	0.925421	0.071274	0.687726	NA
AT1G76070	AT1G76070	40.42273	35.68492	25.75309	64.33683	66.90919	68.78201	81.81592	69.04896	93.71962	66.46235	33.25835	39.36445	0.917933	0.000552	1.203934	5.08E-06	0.092869	0.894073
AT1G76080	CDSP32	2159.05	2565.746	2349.969	1855.87	1761.5	1755.437	1934.235	2158.859	2613.411	2608.977	2324.093	2571.12	-0.39084	0.004527	-0.07538	0.672271	0.085363	0.76722
AT1G76090	SMT3	505.2842	471.041	459.6926	278.3805	298.7727	316.9954	241.8905	252.4602	418.8095	375.1784	439.0102	345.9928	-0.66728	0.001035	-0.63521	0.002451	-0.30154	0.380705
AT1G76100	PETE	1584.809	1816.362	1753.785	1563.467	1505.126	1357.697	1044.932	1068.101	1593.233	1587.072	1423.457	1718.5569	-0.21418	0.26763	-0.46591	0.009262	-0.12087	0.734759
AT1G76110	HMG89	499.3397	572.743	516.3494	353.0277	359.0573	355.8722	331.7102	342.0081	283.1113	586.2763	522.8213	592.5385	-0.56276	8.01E-06	-0.71924	1.79E-08	0.104638	0.684244
AT1G76120	AT1G76120	120.0793	107.0548	133.9161	115.4764	113.2819	134.5733	173.4142	169.3857	95.67211	133.3755	151.6581	136.7397	-0.00341	0.991886	0.26466	0.339607	0.206681	0.646288
AT1G76130	AMY2	131.9683	105.2705	121.0395	68.04857	66.24673	57.81677	42.68657	60.41784	40.02609	82.52006	61.19536	103.5907	-0.86215	0.000245	-1.28106	1.44E-07	-0.51076	0.16063
AT1G76135	MIR834B													0.194359	0.785687	0.52742	0.42538	-0.0699	NA
AT1G76140	AT1G76140	557.596	595.9382	569.1432	611.1999	505.4625	685.8265	760.3545	792.9841	525.2203	523.9065	432.3585	499.3069	0.063057	0.790647	0.265648	0.204345	-0.23493	0.471105
AT1G76150	ECH2	267.5034	360.4177	356.6803	539.0272	581.6463	543.2782	561.1505	505.9994	556.4602	333.9184	309.9678	320.0951	0.753767	3.72E-08	0.719391	2.56E-07	-0.02193	0.957023
AT1G76160	sk5	875.0333	920.671	860.1531	748.1219	672.4043	925.0684	578.0473	669.9907	735.0089	739.802	646.5423	737.5654	-0.17917	0.27582	-0.53491	0.000323	-0.31544	0.15612
AT1G76170	AT1G76170	58.25629	69.5856	56.65679	94.85558	99.37009	92.70619	87.15174	81.99564	102.5058	58.53167	67.84703	67.33392	0.631195	0.004235	0.552828	0.019773	0.07407	0.894848
AT1G76180	ERD14	3828.271	4176.92	4214.493	3648.228	3747.577	3685.32	3568.775	3725.407	7141.239	3432.259	3007.885	4095.974	-0.13599	0.040725	0.231904	0.404983	-0.20594	0.64177
AT1G76185	AT1G76185	58.25629	73.15409	75.97161	77.94654	86.12075	82.73778	77.3694	69.04896	95.67211	59.49211	61.19536	67.33392	-0.27141	0.33475	-0.25291	0.424784	-0.12797	0.806773
AT1G76190	AT1G76190	8.322328	8.92123	2.575309	7.42348	7.949607	3.987363	7.114428	9.710009	6.833722	11.51443	9.312338	5.179533	0.018629	0.979871	0.204448	0.780217	0.318353	NA
AT1G76200	AT1G76200	342.4043	287.2636	329.6395	557.9983	606.82	352.8816	307.699	254.618	805.4209	155.0282	344.5565	477.5529	0.57721	0.204876	0.444953	0.369273	0.256066	0.769636
AT1G76210	AT1G76210													0.06603	NA	0.157107	NA	0.160871	NA
AT1G76220	AT1G76220	1.188904	1.784246	2.575309	2.886909	5.299738	3.987363	0	2.15778	1.952492	0.919071	0	0.2071813	0.675219	0.33444	-0.21493	0.801996	-0.17173	NA
AT1G76230	AT1G76230													-0.32105	0.625956	-0.04459	0.958381	-0.42062	NA
AT1G76240	AT1G76240	272.259	233.7362	225.3395	167.0283	208.0147	176.4408	58.69403	55.02339	73.21845	231.2481	264.7365	228.9353	-0.4035	0.023693	-1.9139	9.95E-26	-0.01836	0.970574
AT1G76250	AT1G76250	4.755616	1.784246	6.438272	2.886909	4.637271	0.996841	6.225424	2.15778	4.88123	2.87607	7.982004	4.143626	-0.39844	0.58176	0.004355	0.99603	0.077245	NA
AT1G76260	DWA2	79.65656	53.52738	75.97161	83.72036	80.15854	76.75674	51.5796	70.12785	43.93107	63.32935	91.79304	90.12387	0.181378	0.544601	-0.34495	0.256822	0.194944	0.706832
AT1G76270	AT1G76270	97.49012	123.113	121.0395	129.4985	86.12075	101.6778	108.495	138.0979	96.64835	110.3366	147.6671	122.237	-0.08664	0.773161	-0.00292	0.978201	0.14847	0.764564
AT1G76280	AT1G76280	193.7913	178.4246	177.6963	120.4253	114.6068	143.5451	177.8607	167.2279	113.2445	184.2308	232.8084	193.7145	-0.53435	0.009617	-0.25658	0.282246	0.141273	0.735019
AT1G76290	AE21													0	NA	0.160764	NA	0	NA
AT1G76300	SMD3A	103.4346	144.5239	106.8753	222.292	164.9544	203.3555	129.8383	143.4924	217.7029	144.8899	133.0334	98.41112	0.717638	0.00391	0.458565	0.09615	0.090619	0.879579
AT1G76310	CYC84	103.4346	96.34929	91.42346	121.2502	125.8688	124.6051	91.59826	99.25787	99.57709	141.0517	121.0604	114.9856	0.340133	0.087393	-0.00824	0.977155	0.36532	0.225684
AT1G76320	FRS2	215.1916	219.4623	209.8877	194.2477	190.7906	210.3334	221.4366	207.1469	151.3181	235.0862	228.8174	189.5709	-0.11431	0.597143	-0.14735	0.513704	0.019696	0.969668
AT1G76330	AT1G76330													0.097058	NA	0.130384	NA	0.130384	NA
AT1G76340	GONST3	208.0582	228.3835	207.3123	202.496	164.2919	202.3587	187.643	207.1469	186.463	148.728	187.5771	193.7145	-0.17404	0.382819	-0.14173	0.509988	-0.27515	0.339925
AT1G76350	NLP5	211.6249	239.089	224.0519	160.4297	162.9669	185.4124	189.4216	220.0935	155.2231	202.462	187.5771	212.3608	-0.40273	0.021837	-0.24986	0.207749	-0.15365	0.646732
AT1G76360	AT1G76360	159.3131	246.226	181.5593	249.099	229.8761	258.1818	192.9789	231.9613	189.3917	157.3638	114.4087	154.3501	0.333547	0.108512	0.075659	0.781051	-0.42756	0.162165
AT1G76370	AT1G76370													0.361969	NA	0.361969	NA	0.404406	NA
AT1G76380	AT1G76380	110.5681	105.2705	77.25926	99.39215	110.632	125.6019	94.26617	105.7312	97.6246	95.95356	97.11438	89.08796	0.180425	0.452895	0.022592	0.941577	-0.05137	0.924762
AT1G76390	PUB43	165.2576	180.2088	150.6556	197.9595	218.6142	227.2797	258.7875	281.5903	173.7718	153.5257	113.0784	168.8528	0.365006	0.111746	0.512551	0.024915	-0.17116	0.698887
AT1G76400	OST1A	436.3277	360.4177	361.8309	314.2607	359.0573	337.929	398.408	419.6882	274.2531	331.9993	353.8668	402.9676	-0.19594	0.343905	-0.08602	0.726233	-0.09016	0.828866
AT1G76405	OE21B	83.22328	85.64381	123.6148	168.678	167.6042	156.504	105.8271	107.889	152.2944	121.7936	127.7121	128.4524	0.72701					

AT1G77780	AT1G77780	0	0	0	0	0	0	0.889303	2.15778	0.476246	0	1.330334	0	0	NA	0.141773	NA	0.183636	NA
AT1G77790	AT1G77790	0	3.568492	1.287654	0.412246	0.662467	0	0.889303	2.15778	0.476246	0	0	0	-0.54686	0.392312	-0.01782	0.081997	-0.74108	NA
AT1G77800	AT1G77800	970.1456	781.4998	793.1951	422.726	390.1932	589.1329	576.2687	702.3574	498.0969	764.7499	711.7287	725.1346	-0.84304	1.37E-05	-0.54665	0.008161	-0.20435	0.582115
AT1G77810	B3GALT7	96.30122	89.2123	123.6148	270.957	276.9113	214.3208	321.9279	295.6158	277.2539	84.43914	102.4357	74.58527	1.266688	9.12E-12	1.486717	1.03E-15	-0.25267	0.514832
AT1G77815	AT1G77815	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G77820	AT1G77820	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT1G77830	AT1G77830	0	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	0.16673	NA	0	NA
AT1G77840	AT1G77840	512.4176	499.5889	516.3494	513.8698	543.2232	558.2308	530.0249	546.9972	616.0112	443.3055	440.3405	487.912	0.075415	0.607454	0.145029	0.311833	-0.15467	0.482582
AT1G77850	ARF17	101.0568	128.4657	118.4642	137.3344	133.8184	124.6051	101.3806	94.94231	124.9595	107.468	121.0604	108.7702	0.197482	0.362622	-0.10092	0.699165	-0.03823	0.941664
AT1G77855	AT1G77855	15.45575	14.27397	14.1642	7.011065	8.612075	9.968408	8.003731	7.55223	13.66744	22.06932	23.94601	11.39497	-0.69523	0.149853	-0.49315	0.366453	0.332521	NA
AT1G77860	KOM	1.188904	8.92123	0	2.474493	1.324935	1.993682	0.889303	2.15778	0.976246	8.381143	2.660668	5.179533	-0.32192	0.67732	-0.54972	0.470804	0.24525	NA
AT1G77870	MUB5	34.47821	19.62671	32.19136	9.485558	17.22415	8.971567	5.335821	0	2.928738	33.58375	26.60668	52.83123	-1.12729	0.008226	-2.52032	6.13E-08	0.351699	0.654861
AT1G77880	AT1G77880	3.566712	1.784246	1.287654	4.124156	5.962205	0	2.66791	0	3.904984	5.757214	6.65167	2.071813	0.328283	0.669684	-0.0292	0.973945	0.574481	NA
AT1G77885	AT1G77885	19.02246	14.27397	12.87654	20.20836	19.87402	10.96525	16.00746	8.63112	45.88356	33.02886	33.25835	19.68222	0.121851	0.845832	0.495501	0.385163	0.572278	0.50172
AT1G77890	AT1G77890	72.52314	78.50683	87.5605	160.8421	151.0425	208.3397	219.658	169.3857	120.0783	88.27728	133.0334	85.98024	1.06437	3.45E-05	1.041554	7.28E-05	0.333746	0.490609
AT1G77910	AT1G77910	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G77920	TGA7	108.1903	71.36984	99.14938	233.8396	193.4404	213.3239	230.3296	185.5691	120.8691	94.99403	95.78405	93.23159	1.152807	3.77E-10	1.120058	2.48E-09	0.002843	0.996198
AT1G77930	AT1G77930	1024.835	1263.246	1211.683	1236.422	1157.993	1092.537	1266.368	1160.886	1343.314	1551.569	1843.843	1420.228	-0.00228	0.990993	0.108091	0.543503	0.45501	0.011411
AT1G77932	AT1G77932	0	0	0	0.412416	0	1.993682	0	0	0.976246	0.99536	0	0	0.374321	NA	0.15275	NA	0.161539	NA
AT1G77940	RPL30B	1009.379	845.7326	1015.959	1132.081	1297.111	920.084	767.4689	728.2507	1367.721	1107.304	1416.806	1217.19	0.214076	0.42747	-0.00457	0.988996	0.366687	0.332495
AT1G77950	AGL67	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G77960	AT1G77960	46.36725	55.31163	51.50617	13.60971	13.24935	10.96525	5.335821	6.47334	1.952492	50.85539	35.91902	37.29264	-1.83846	7.85E-09	-2.95417	1.54E-14	-0.26582	0.663474
AT1G77980	AGL66	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT1G77990	SULTR2	149.8019	148.0924	137.779	68.04857	60.28452	67.78517	60.47264	44.23449	43.93107	104.5894	99.77505	116.0215	-1.11967	3.94E-09	-1.49334	2.37E-13	-0.42826	0.152111
AT1G77992	AT1G77992	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G78000	SULTR1	42.80054	46.3904	41.20494	48.66504	47.03518	49.84204	32.01493	43.1556	30.26363	47.97678	65.18636	46.61579	0.155869	0.638255	-0.29154	0.399579	0.271016	0.604324
AT1G78010	AT1G78010	235.403	223.0308	229.2025	200.0216	240.4756	209.3366	235.6654	254.618	288.9688	260.9937	236.7994	250.6894	-0.08452	0.661396	-0.17473	0.348895	0.120722	0.70347
AT1G78020	AT1G78020	469.6171	499.5889	515.0617	329.9325	279.5612	238.2449	322.8172	401.3471	512.5291	513.3516	419.0552	566.4049	-0.77998	5.84E-05	-0.2567	0.264191	0.016471	0.976985
AT1G78030	AT1G78030	4.755616	7.136984	5.150617	9.073143	10.59948	9.581045	10.61764	5.39445	27.33449	2.878607	9.312338	7.625146	0.43908	0.498476	1.024873	0.08721	0.10656	NA
AT1G78040	AT1G78040	4044.651	4118.04	4526.105	3993.008	4617.397	3531.807	3363.346	2955.08	4911.494	4807.273	5701.811	4575.599	-0.06182	0.805011	-0.17189	0.463622	0.243262	0.469967
AT1G78050	PGM	28.53369	24.97944	28.3284	30.93117	32.4609	27.91154	42.68657	29.13003	22.45366	37.42189	25.27635	45.57989	0.141027	0.732443	0.185242	0.681127	0.377383	0.549468
AT1G78060	BXL7	442.2723	301.5376	325.7765	98.56732	133.8184	131.583	125.3918	126.2301	98.60085	302.2537	311.2981	286.9461	-1.57206	1.46E-16	-1.57206	1.46E-16	-0.24821	0.699944
AT1G78070	AT1G78070	494.584	654.8183	620.6494	332.407	294.7979	353.8785	289.0236	277.2747	257.7289	452.9008	395.1092	444.3099	-0.83678	5.03E-09	-1.08117	8.11E-14	-0.44052	0.026729
AT1G78080	RA2P-4	1096.169	688.4723	992.7815	1163.012	1314.998	1247.048	1414.882	1352.928	1685.977	743.6401	738.3354	835.9766	0.270719	0.043836	0.526645	0.339E-05	-0.40472	0.016719
AT1G78090	TPPB	10.70014	17.84246	16.73951	3.299325	5.299738	1.993682	3.557214	4.31556	0	20.15025	14.63367	24.86176	-1.60765	0.001299	-1.82422	0.000595	0.396973	NA
AT1G78095	AT1G78095	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G78100	AT1G78100	244.9142	239.089	226.6272	222.292	202.0525	232.2639	161.8532	219.0147	263.5864	221.6527	222.1658	195.7863	-0.11288	0.620436	-0.14005	0.55504	-0.14906	0.694425
AT1G78110	AT1G78110	242.5364	140.9554	187.9975	99.80457	103.3449	79.74276	89.81965	80.91675	161.0806	127.6182	162.3007	170.9246	-0.96428	0.000344	-0.75103	0.008303	-0.30442	0.540551
AT1G78120	TPR12	36.85602	23.1952	23.17778	13.60971	16.56168	21.9305	20.45398	19.42002	21.47761	30.70514	23.94601	30.04129	-0.67952	0.0673	-0.41677	0.327041	0.016647	0.987638
AT1G78130	UNE2	145.0463	149.8767	135.2037	179.8132	194.1029	178.4345	211.6542	203.9102	129.8407	137.2136	175.6041	130.5242	0.352655	0.118912	0.334375	0.166217	0.037292	0.949258
AT1G78140	AT1G78140	412.5497	438.9245	480.2951	357.5643	367.6693	425.651	578.9366	552.3916	415.4579	468.2534	541.4459	505.5224	-0.21451	0.144249	0.30327	0.036733	0.18175	0.46208
AT1G78150	AT1G78150	609.9077	642.3286	611.6358	760.4943	778.399	778.5326	634.9627	686.174	670.681	621.7791	617.275	564.5691	0.313243	0.00316	0.096114	0.468301	-0.04574	0.85654
AT1G78160	APUM7	0	3.568492	0	0.824831	0	0	0	0	0	0.995936	5.321336	2.071813	-0.37892	0.564437	-0.53308	0.40353	0.580222	NA
AT1G78170	AT1G78170	124.8349	180.2088	202.1617	117.5384	137.1307	118.6241	144.9565	120.8357	143.5082	234.1267	376.4845	260.0125	-0.42228	0.085823	-0.29172	0.285533	0.753118	0.008853
AT1G78172	AT1G78172	4.755616	3.568492	5.150617	9.073143	13.91181	10.96525	11.56095	2.15778	12.6912	10.55489	11.97301	6.215439	0.94441	0.09379	0.669824	0.290318	0.737108	NA
AT1G78180	AT1G78180	148.613	123.113	119.7155	96.50524	107.9822	82.73778	95.15647	86.3112	94.65986	120.9051	93.12338	121.2011	-0.43121	0.037665	-0.4929	0.240305	-0.21421	0.571787
AT1G78190	AT1G78190	22.58917	23.1952	23.17778	53.61402	74.19633	52.83256	36.46144	32.3667	49.78855	16.31211	19.95501	8.287252	1.297062	6.75E-05	0.718627	0.053834	-0.57346	0.365146
AT1G78200	AT1G78200	242.5364	315.8115	327.0642	502.7346	540.5733	451.5689	514.9067	483.3427	485.1942	284.0225	324.6015	347.0287	0.750915	5.85E-07	0.737778	1.38E-06	0.111483	0.737388
AT1G78206	MIR775A	3.566712	0	0	3.299325	0	3.299325	1.993682	0	2.15778	0.976246	1.919071	3.991002	0.350289	0.644039	-0.15162	0.860039	0.426466	NA
AT1G78210	AT1G78210	248.4809	244.4417	279.421	419.8391	506.125	386.7742	264.1231	236.2769	265.5389	320.4849	284.6915	256.9048	0.752656	1.5E-06	-0.10307	0.9573	0.1545	0.626543
AT1G78220	GF14 PI	0	0	0	0	0	0	0.889303	0	0	0	1.330334	0	0	NA	0.141773	NA	0.183636	NA
AT1G78230	AT1G78230	444.6501	358.6335	347.6667	139.8089	143.7554	109.6525	90.70896	81.99564	50.76479	353.1091	336.5745	328.3824	-1.50278	2.55E-16	-2.29292	2.78E-32	-0.17452	0.63581
AT1G78240	QUA2	589.6664	681.582	587.1704	538.6147	471.0142	625.0192	597.6119	618.2039	397.3321	605.467	607.9626	551.1023	-0.18916	0.193271	-0.19783</			

AT1G78730	AT1G78730	73.71204	62.44861	75.97161	57.32576	45.04777	50.83888	58.69403	60.41784	55.64602	64.28889	97.11438	68.36983	-0.45041	0.082679	-0.27741	0.352296	0.087309	0.87994
AT1G78740	AT1G78740	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19118	NA
AT1G78750	AT1G78750	23.77808	16.05821	28.3284	5.773818	6.624673	7.974726	13.33955	9.710009	6.833722	31.66468	34.58868	27.96948	-1.5715	9.57E-05	-1.05093	0.01534	0.412143	0.552667
AT1G78760	AT1G78760	3.566712	1.784246	1.287654	0	1.324935	0.996841	0	1.07889	0.976246	0	2.660668	1.035907	-0.62649	0.355437	-0.61705	0.378565	-0.38422	NA
AT1G78770	APC6	68.88540	39.25341	51.50617	54.43886	46.37271	49.84204	29.34701	36.68226	21.47741	55.65307	55.87403	52.83123	-0.09568	0.78681	-0.84351	0.005578	0.01596	0.984931
AT1G78780	AT1G78780	1.188904	0	0	0	15.8587	18.54908	19.93682	20.23632	31.28781	22.45366	3.88143	1.330334	2.810909	4.8E-08	-3.31591	7.85E-11	0.462807	NA
AT1G78790	AT1G78790	78.46766	78.50683	108.163	97.74249	117.2567	84.73147	101.1629	78.75897	92.74337	83.4796	85.14137	80.97896	0.172288	0.523757	0.088464	0.781827	-0.04528	0.941763
AT1G78800	AT1G78800	178.3356	151.6609	186.7099	255.2852	247.7628	242.2323	209.8762	231.9613	241.1328	172.7164	239.4601	148.1346	0.510883	0.007349	0.38481	0.063366	0.096749	0.823473
AT1G78810	AT1G78810	83.23238	64.23286	61.80741	74.2348	51.67245	79.74726	61.36194	62.57562	65.40848	78.68192	79.82004	83.90843	-0.03872	0.906538	-0.14806	0.647221	0.19511	0.689428
AT1G78815	LSH7	2.377808	0	0	2.886909	0	1.993682	1.778607	0	1.952492	0	1.330334	4.143626	0.271557	0.7116	-0.130948	0.871908	0.310471	NA
AT1G78820	AT1G78820	526.6844	433.5718	422.3506	157.9552	129.8436	170.4598	169.857	206.068	161.0806	424.1147	458.9652	379.1418	-1.56875	7.32E-23	-1.34236	1.73E-16	-0.13302	0.689378
AT1G78830	AT1G78830	1382.695	1609.39	1149.875	1221.163	1210.99	1412.523	1642.544	1765.064	1885.131	805.0504	838.1104	971.6803	-0.10505	0.564096	0.350435	0.028934	-0.65102	0.000225
AT1G78840	AT1G78840	1.188904	0	0	0	0.662467	0	1.778607	0	0	0	1.330334	0	-0.11633	NA	0.088006	NA	-0.10403	NA
AT1G78850	AT1G78850	614.6633	717.2669	629.663	382.3092	378.9313	567.2024	696.3246	829.6664	904.0038	494.1608	528.1426	566.6409	-0.55485	0.002438	0.303934	0.133988	-0.29544	0.321328
AT1G78860	AT1G78860	19.02246	26.76369	28.3284	17.32145	15.23675	21.9305	15.23675	23.73558	25.3824	18.23118	27.93701	22.78994	-0.41494	0.299766	-0.09027	0.299766	-0.09	0.913891
AT1G78865	AT1G78865	66.57862	60.66437	75.97161	82.48311	104.6698	120.6177	84.48383	70.12785	71.26596	103.6298	98.44471	81.83662	0.550711	0.022101	0.140385	0.657494	0.454745	0.252336
AT1G78870	UBC35	525.4955	636.9758	692.758	855.3499	953.2904	883.2009	822.6057	827.5086	1028.963	662.0796	791.5487	568.7127	0.528012	0.001642	0.521435	0.002369	0.121023	0.726049
AT1G78880	AT1G78880	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G78882	CPuORF56	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G78890	AT1G78890	196.1692	183.7773	202.1617	251.5735	293.473	229.2734	232.1082	230.8824	354.3773	198.6239	284.6915	212.3608	0.398439	0.080351	0.472188	0.041901	0.240856	0.547457
AT1G78895	RTLNC2	61.82301	83.85956	77.25926	115.8888	121.894	92.70619	112.9415	105.7312	162.0568	61.41028	81.15037	79.7648	0.564186	0.024476	0.752978	0.002638	-0.00057	0.98989
AT1G78900	VHA-A	4408.456	3961.026	3815.32	2651.832	2545.199	3047.342	2892.015	3244.222	2741.299	3768.096	3784.8	3438.174	-0.55925	2.2E-06	-0.45285	0.000201	-0.14767	0.499192
AT1G78910	AT1G78910	45.17835	28.54794	34.76667	40.41673	42.39791	39.87363	43.57587	50.70783	32.21612	32.62421	22.61568	32.1131	0.147099	0.692911	0.183353	0.642409	-0.29643	0.624674
AT1G78915	AT1G78915	323.3819	444.2773	437.8025	233.8396	126.6268	225.2826	308.5883	309.6414	264.5627	461.5366	432.3585	430.9371	-0.81434	6.12E-08	-0.43648	0.007488	0.140833	0.636115
AT1G78920	AVPL1	773.9765	686.9347	687.6074	936.1834	652.5303	1096.525	745.2363	961.2909	646.2748	513.3516	453.6439	534.5722	0.310961	0.16046	0.126064	0.004404	-0.50168	0.08698
AT1G78922	AT1G78922	0	0	0	0	0.662467	0.996841	0.889303	0	0	0	0	0	0.275488	NA	0.154887	NA	0	NA
AT1G78930	AT1G78930	49.93397	42.8219	43.78025	54.43886	52.33491	41.86731	79.14801	51.78672	36.1211	42.21957	45.23135	52.83123	0.121561	0.754032	0.273711	0.465528	0.030465	0.972422
AT1G78940	AT1G78940	40.42273	42.8219	33.47901	23.09527	21.9895	20.93366	38.24005	38.84004	27.34889	51.81492	55.87403	74.58527	-0.76986	0.013478	-0.14359	0.724333	0.621393	0.156345
AT1G78950	BAS	13.07794	12.48972	10.30123	6.598649	3.974804	7.974726	5.335821	10.7889	6.833722	12.47396	6.65167	12.43088	-0.78754	0.131857	-0.53146	0.36901	-0.12282	NA
AT1G78955	CAMS1	13.07794	10.70548	11.58889	9.897974	9.274542	13.95577	16.89677	11.86779	5.897476	11.51443	14.63367	15.5386	-0.12027	0.084026	-0.002725	0.396715	0.185961	NA
AT1G78960	LUP2	96.30122	135.6027	114.6012	70.93548	57.63465	72.76938	73.81219	98.17898	63.45599	107.6298	94.45371	104.6266	-0.74578	0.009002	-0.53064	0.030036	-0.17235	0.706775
AT1G78970	LUP1	269.8812	237.3047	249.8409	35.46774	28.48609	36.88831	42.68657	40.04896	38.07359	133.5142	125.0514	163.6732	-2.8049	3.98E-38	-2.26605	5.34E-25	-0.67475	0.015687
AT1G78980	SRF5	0	0	0	0	0	0	0	0	0.976246	0	0	0	0	1.035907	0	0	0	NA
AT1G78990	AT1G78990	5.94452	7.136984	14.1642	3.71174	7.28714	3.987363	7.114428	8.63112	11.71495	17.27164	15.96401	16.5745	-0.71055	0.192867	-0.00391	0.995691	0.731699	NA
AT1G78995	AT1G78995	230.6474	335.4383	291.0099	285.804	332.5586	195.3808	393.0721	321.5092	476.408	401.0859	532.1336	362.5673	-0.06294	0.842185	0.461646	0.075412	0.575835	0.088593
AT1G79000	HAC1	1096.169	958.1401	800.921	470.1538	418.6793	571.1898	621.6231	839.3764	370.9753	746.5187	764.942	711.6678	-0.93077	9.44E-05	-0.61558	0.015725	-0.34699	0.401157
AT1G79010	AT1G79010	812.0214	877.849	964.4531	1139.504	1248.088	996.8408	910.6468	891.1631	1380.412	1121.697	1106.838	875.341	0.342865	0.09233	0.255376	0.249684	0.219914	0.52809
AT1G79020	AT1G79020	127.2127	135.6027	115.8889	120.4253	104.0074	111.6462	109.3843	116.5201	90.79088	133.2252	109.0874	99.44703	-0.15758	0.476881	-0.24761	0.274029	-0.22382	0.530036
AT1G79030	AT1G79030	189.0537	189.1301	151.9432	125.3743	115.9318	132.5798	153.8495	148.8868	140.5794	138.1731	106.4267	174.0323	-0.4908	0.014931	-0.24776	0.286959	-0.3197	0.331569
AT1G79040	PSBR	17275.96	19742.68	18976.16	17850.58	14099.95	9542.757	13518.3	12921.86	26663.23	15412.06	16375.08	24005.06	-0.40881	0.182502	-0.07234	0.855229	-0.00492	0.995156
AT1G79050	RECA	267.5034	131.2421	204.737	349.316	335.8709	338.9259	353.0535	308.5625	420.762	290.7393	267.3971	260.0125	0.385007	0.036472	0.648395	0.012962	0.067877	0.783864
AT1G79060	AT1G79060	36.85602	49.95889	33.47901	35.05532	35.11077	37.87995	31.12562	32.3667	28.31113	38.38143	41.24035	38.32854	-0.12874	0.718796	-0.34415	0.326816	-0.00596	0.993976
AT1G79070	AT1G79070	40.42273	60.66437	69.23363	78.35896	101.3575	78.75042	67.58706	65.81229	57.99851	59.49121	66.5167	62.15439	0.586214	0.021917	0.165047	0.621025	0.140256	0.805717
AT1G79075	AT1G79075	9.511232	14.27397	9.01358	18.14629	21.19895	2.990522	14.22886	6.47334	39.04984	17.27164	27.93701	22.78994	0.302033	0.644621	0.66158	0.285364	0.798779	0.866371
AT1G79080	AT1G79080	149.8019	158.7799	144.2173	154.2434	158.3297	161.4882	127.1704	152.1235	166.9381	152.5662	127.7121	135.3078	0.066324	0.76784	-0.01963	0.939798	-0.1107	0.773363
AT1G79090	AT1G79090	475.5616	403.2396	379.858	287.4537	328.5838	321.9796	391.2935	407.8204	322.1612	338.5611	424.3765	385.7532	-0.42262	0.0093	-0.16567	0.389032	-0.13545	0.667733
AT1G79100	AT1G79100	0	0	0	0.412416	0	0	0.889303	0	0	0.1919071	0	0.1035907	0.04571	NA	0.152525	NA	0.501374	NA
AT1G79110	BRG2	114.1348	139.1712	105.5877	204.7905	197.4152	146.5356	169.857	161.8335	184.5105	99.79171	98.44471	100.4829	0.627871	0.001332	0.253195	0.011317	-0.24502	0.514241
AT1G79120	AT1G79120	11.88904	7.136984	3.862963	7.42348	11.26194	14.95261	8.893035	9.710009	11.71495	10.55489	11.97301	13.46678	0.37445	0.51397	0.294288	0.648059	0.499456	NA
AT1G79130	SAURAO	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	1.035907	0	0	0	NA
AT1G79150	AT1G79150	278.2035	217.678	195.7235	178.9884	199.4026	181.425	173.4142	173.7013	215.7504	225.4909	219.5051	258.9766	-0.30359	0.115104	-0.2952	0.151713	0.022076	0.964839
AT1G79160																			

AT1G79680	WAKL10	2.377808	19.62671	9.01358	117.9509	131.1685	177.4377	227.6617	245.9869	202.0829	5.757214	6.65167	10.35907	3.500114	1.15E-26	4.152565	1.82E-37	-0.26658	0.768619
AT1G79690	NUDT3	619.419	556.6848	601.3346	658.6727	573.6967	723.7064	807.4876	762.7752	534.0066	551.733	498.8752	614.2926	0.132533	0.529482	0.232757	0.246361	-0.09252	0.813188
AT1G79700	AT1G79700	83.22328	94.56504	101.7247	78.77137	75.52127	105.6651	89.81965	106.8101	97.3871	94.03449	71.83803	91.15977	-0.11747	0.668917	0.117889	0.6887243	-0.10488	0.840708
AT1G79710	AT1G79710	53.50068	37.46917	59.2321	48.66504	36.4357	59.81045	48.91169	55.02339	27.33489	50.85539	65.18636	30.04129	-0.06977	0.876872	-0.19349	0.664464	-0.06059	0.947036
AT1G79720	AT1G79720	117.7015	149.8767	121.0395	46.19054	56.30972	79.74726	56.02612	66.89118	35.14486	68.89128	90.46271	94.26749	-1.06326	0.307589	-1.22995	2.99E-06	-0.53041	0.185831
AT1G79730	VIP2	337.6487	324.7328	305.1741	360.0388	347.1329	312.0112	365.5031	370.0592	368.0447	272.5081	339.2352	254.833	0.078799	0.665897	0.186877	0.278808	-0.16353	0.557232
AT1G79740	AT1G79740	315.0595	305.1061	327.0642	261.4715	190.7906	275.1281	240.1119	288.0636	148.3894	264.8318	296.6645	310.772	-0.37014	1.125716	-0.47077	0.0553	-0.11612	0.815899
AT1G79750	NADP-ME4	1660.899	1489.845	1243.874	876.7955	930.1041	991.8566	957.7798	1171.674	1027.011	135.0216	1187.988	1195.372	-0.64378	3.6E-06	-0.47176	0.001182	-0.23114	0.329793
AT1G79760	DTA4	14.26685	8.92123	9.01358	2.062078	4.637271	0.996841	2.66791	0	1.952492	10.55489	5.321336	9.323159	-1.47978	0.009095	-1.77792	0.002609	-0.2615	NA
AT1G79770	AT1G79770	8.323228	12.48972	27.04074	16.90904	11.92441	11.96209	12.45025	5.39445	7.809968	0.995356	7.982004	15.5386	-0.1697	0.778584	-0.71779	0.195162	-0.42881	NA
AT1G79780	AT1G79780	0	1.784246	0	0	0	0	0	0	0	0.995936	0	0	-0.26756	NA	-0.24986	NA	-0.06955	NA
AT1G79790	AT1G79790	321.0041	312.2431	387.584	275.0812	268.2992	231.2671	195.6468	224.4091	343.6386	350.2035	323.2712	313.8797	-0.38502	0.076276	-0.40898	0.069889	-0.04774	0.927039
AT1G79800	ENODL7	0	0	0	0	0.662467	0.996841	0	0	1.919071	0	1.436260	0	0.230717	NA	0	NA	0.87708	NA
AT1G79810	PEX2	148.613	176.6404	189.2852	187.2367	193.4404	180.4282	203.6505	203.9102	188.4155	172.7164	163.6311	168.8528	0.129563	0.489286	0.212912	0.255157	-0.01975	0.963536
AT1G79820	SGB1	128.4016	74.93833	93.99877	101.0418	98.04516	103.6714	71.14428	75.5223	65.40848	88.27228	86.47171	102.5547	0.004288	0.989244	-0.49237	0.04407	-0.11532	0.815889
AT1G79830	GC5	1521.797	1464.866	1377.79	938.0703	889.6935	1167.301	1159.652	1441.397	1114.873	1471.928	1472.68	1361.181	-0.53762	0.000218	-0.22942	0.169741	-0.01938	0.961629
AT1G79840	GL2	71.33424	90.99655	78.5479	75.05963	69.55966	81.74094	80.92662	80.91675	70.28971	109.3871	87.80204	89.08796	-0.08104	0.717188	-0.03895	0.902039	0.26085	0.509742
AT1G79850	RPS17	957.0677	967.0613	960.5901	673.0622	606.1576	548.2624	618.0669	691.5685	126.2519	192.1598	1098.856	1088.558	-0.63436	0.005625	-0.15829	0.581255	0.13328	0.7818
AT1G79860	ROPGEF12	0	0	0	0	0	0	0	0	0	1.330334	0	0	0	NA	0	NA	0.172362	NA
AT1G79870	HRP2	425.6276	387.1814	355.3926	367.4623	372.9691	329.9543	301.4739	312.8781	554.5077	355.9877	319.2802	409.1831	-0.12102	0.662401	0.000396	0.998932	-0.10278	0.9241389
AT1G79880	LA2	148.613	178.4246	172.5457	207.0326	247.7628	194.384	197.4254	203.9102	233.3228	143.9033	194.2288	158.4937	0.377705	0.047262	0.342652	0.093111	-0.01115	0.984206
AT1G79890	AT1G79890	15.45575	19.62671	16.79351	13.60971	13.91181	12.95893	11.41428	9.710009	4.88123	25.90746	14.63367	11.39497	-0.28772	0.572374	-0.132693	0.034651	-0.036176	NA
AT1G79900	BAC2	8.323228	0	3.862963	5.361402	9.274542	3.987363	5.335821	2.15778	9.76246	2.878607	5.321336	0	0.351962	0.632574	0.264066	0.746023	-0.39464	NA
AT1G79910	AT1G79910	11.88904	39.25341	18.02716	23.9201	23.18635	20.93366	35.57214	23.73558	39.07973	19.19071	39.91002	23.82585	0.035352	0.949512	0.485381	0.293838	0.262259	0.754476
AT1G79915	HSP70-15	2.377808	0	0	1.649662	1.987402	1.993682	1.778607	3.23667	1.952492	1.919071	2.660668	0	0.383053	0.607444	0.531803	0.478661	0.227012	NA
AT1G79920	HSP70-14	135.728	1116.938	1026.261	733.6873	709.5024	881.2072	788.8122	950.502	772.2106	973.9287	967.1528	895.0232	-0.58537	0.0001	-0.4735	0.002565	-0.3003	0.205579
AT1G79930	HSP70-14	1055.747	815.4004	843.4136	732.8625	715.4647	872.2357	748.7935	859.8753	783.9255	814.6457	806.1824	690.9497	-0.228	0.160018	-0.18251	0.299889	-0.23114	0.353602
AT1G79940	ERD12A	651.5194	565.606	548.5407	506.4463	435.9035	579.1645	455.3234	583.6795	632.6074	505.6753	364.5115	539.7073	-0.21252	0.325377	-0.07883	0.761965	-0.31449	0.313952
AT1G79950	AT1G79950	234.2141	219.4623	178.984	179.4008	175.5538	186.4092	159.1853	185.691	146.369	168.8783	206.2018	178.1759	-0.22126	0.244162	-0.35926	0.059633	-0.19422	0.547101
AT1G79960	OPF14	34.47821	21.41095	25.75309	28.86909	31.13596	34.88943	19.56468	23.73558	21.47741	19.19071	25.27635	9.323159	0.174413	0.686269	-0.3266	0.465639	-0.58304	0.354125
AT1G79970	AT1G79970	265.1256	233.7362	247.2296	232.6024	238.4882	224.2892	243.6692	233.0402	295.8205	242.7625	214.1838	258.9766	-0.10255	0.586276	0.045862	0.835432	-0.05872	0.875722
AT1G79980	AT1G79980	0	0	0	0	0	0	0.976246	0	0	0	0	1.035907	0	NA	0	NA	0.157349	NA
AT1G79990	AT1G79990	894.0558	867.1436	750.7025	825.656	779.724	886.1915	731.8968	865.2697	784.9018	844.3914	832.7891	770.1745	-0.01249	0.94386	-0.07621	0.641747	-0.03644	0.905161
AT1G80000	AT1G80000	360.2379	412.1608	319.3383	360.8636	290.1607	315.9985	319.2599	338.7714	324.1137	336.797	341.8958	281.7666	-0.16251	0.361558	-0.14514	0.453298	-0.17774	0.540551
AT1G80010	FRS8	221.1361	167.7191	184.1346	137.3344	123.8814	128.5925	128.949	161.8335	140.5794	161.202	152.9884	128.4524	-0.54848	0.002602	-0.4124	0.037031	-0.37288	0.189516
AT1G80020	AT1G80020	357.8601	235.5205	224.0519	186.4118	131.1685	178.4345	160.0746	203.9102	155.2231	189.0285	187.5771	212.3609	-0.7018	0.00143	-0.64067	0.005201	-0.46204	0.168465
AT1G80030	AT1G80030	626.5524	453.1985	511.1988	279.6178	321.9591	289.0838	388.8246	390.5582	446.1444	544.0567	554.7493	541.7791	-0.82851	7.54E-08	-0.43505	0.009342	-0.038453	0.924189
AT1G80040	AT1G80040	526.6844	653.034	508.6235	732.8625	795.6232	646.9497	612.7301	616.0462	680.4435	568.0451	663.8367	485.8402	0.365679	0.027333	0.17866	0.353391	0.026286	0.952068
AT1G80050	APT2	217.5694	212.3253	235.6407	174.8642	130.5061	122.6114	84.48383	74.44341	128.6465	268.67	218.1748	227.8994	-0.60591	0.067182	-1.16613	0.961E-08	0.101607	0.838129
AT1G80060	AT1G80060	22.58917	24.97944	34.76667	32.58083	16.56168	19.93682	20.45398	17.26224	18.54867	44.13864	33.25835	26.93357	-0.19784	0.663718	-0.49009	0.27	0.315121	0.659633
AT1G80070	SUS2	2714.268	1832.421	1697.128	946.4937	758.525	1272.966	1302.83	1634.518	855.1915	1552.529	1540.527	1535.213	-1.02425	2.85E-05	-0.68947	0.007892	-0.41419	0.30711
AT1G80080	TMM	86.78999	73.15409	72.10864	75.88447	77.50867	89.71567	56.91542	84.15342	90.79088	52.77446	57.20436	65.26211	0.050501	0.873744	-0.01213	0.972376	-0.39366	0.340335
AT1G80090	PV42B	0	0	0	0	0	0	0	0	0	0	0	2.660668	0.071813	0	NA	0	0.691027	NA
AT1G80100	AHP6	0	1.784246	1.287654	2.062078	1.987402	0.996841	1.778607	2.15778	0	2.878607	1.330334	5.179533	0.297806	0.700047	0.115979	0.893948	0.757595	NA
AT1G80110	PP2B11	22.58917	23.19572	25.75309	56.50093	56.97219	44.85784	44.02239	63.65451	71.26596	18.23118	19.95501	19.6822	1.083257	0.000354	1.261927	3.75E-05	-0.28514	0.677954
AT1G80120	AT1G80120	7.133424	12.48972	2.575309	27.21943	27.82363	14.95261	21.33328	23.73558	16.85981	9.593536	14.63367	10.35907	1.401099	0.002835	1.721591	0.000232	0.492110	0.594257
AT1G80130	AT1G80130	117.7015	208.7568	128.7654	167.0283	181.516	117.6272	28.45771	23.73558	24.40615	128.5778	122.3907	101.5188	0.060165	0.855909	-2.3841	6.69E-19	-0.3377	0.44921
AT1G80133	EPFL8	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT1G80140	AT1G80140	43.98945	32.11643	43.78025	56.08852	58.95959	50.83888	51.78672	39.04984	35.50282	39.91002	39.1002	47.2717	0.433891	0.13354	0.250343	0.464893	-0.04608	0.952547
AT1G80150	AT1G80150	11.88904	7.136984	9.01358	150.9441	193.4404	200.365	192.0896	169.3857	115.197	13.4335	26.60668	6.215439	3.767268	1.82E-28	3.584706	1.82E-25	0.44217	0.561641
AT1G80170	AT1G80170	67.76752	89.2123	123.6148	87.84452	92.74542	91.70935	7											

AT1G80680	NUP96	527.8734	463.904	404.3235	261.0591	278.8987	312.0112	352.1642	377.6115	252.8477	360.7854	332.5835	363.6032	-0.70317	5.01E-05	-0.49745	0.007008	-0.39253	0.136881	
AT1G80690	AT1G80690	87.97589	64.23286	110.7383	44.9533	52.99738	43.86099	60.47264	46.39227	66.38473	102.6703	99.77505	106.6984	-0.87094	0.000278	-0.58919	0.024234	0.211042	0.644845	
AT1G80700	AT1G80700	135.535	165.9349	142.9296	191.3608	231.8635	156.504	180.5286	122.9935	250.8952	174.6355	184.9164	136.7397	0.375177	0.173746	0.311454	0.297406	0.154428	0.778443	
AT1G80710	DRS1	32.10041	26.76369	36.05432	25.15735	19.21155	20.93366	24.9005	17.26224	10.73871	27.82653	19.95501	26.93357	-0.48773	0.201631	-0.76298	0.054385	-0.31207	0.653508	
AT1G80720	AT1G80720	74.90055	66.0171	69.53333	64.33683	76.18374	69.77885	56.02612	64.7334	55.64602	75.80331	63.85603	75.62118	-0.01273	0.967267	-0.25515	0.360718	0.032863	0.958691	
AT1G80730	ZFP1	1.784246	1.784246	1.725926	1.237247	1.987402	3.987363	0.889303	2.15778	3.904984	3.881143	10.64267	3.10772	-0.70415	0.296787	-0.64507	0.377299	0.152017	0.0	
AT1G80740	CMT1	0	1.784246	1.287654	1.237247	0	0	0.889303	2.15778	0	0	2.660668	0	-0.22935	0.730138	0.021544	0.977403	-0.05914	NA	
AT1G80745	AT1G80745	2.377808	1.784246	1.287654	3.299325	1.987402	3.987363	2.66791	1.07889	0	4.797678	2.660668	1.035907	-0.402544	0.959073	-0.2333	0.783715	0.322836	NA	
AT1G80750	RPL7A	252.0476	281.9109	330.9272	340.6553	396.8179	340.9195	337.9353	293.4581	379.7597	298.4156	255.4241	341.8492	0.312363	0.091812	0.221954	0.28006	0.053001	0.901185	
AT1G80760	NIP6-1	227.0807	130.25	168.6827	93.61834	78.17114	68.78201	38.24005	50.70783	35.14486	242.7625	223.4961	156.4219	-1.07754	1.21E-05	-1.98728	6.7E-15	0.225	0.636505	
AT1G80770	PE3E18	518.3621	538.8423	588.458	552.6369	561.7722	549.2593	611.8408	583.6795	569.1514	563.2474	508.1876	561.4613	0.015529	0.921954	0.100093	0.481808	-0.00896	0.979097	
AT1G80780	CAF1-6	655.0861	649.4656	643.8272	661.1022	755.8752	601.095	669.6455	646.2551	698.0159	645.7675	681.131	570.7845	0.052321	0.754664	0.04739	0.794124	-0.0392	0.901703	
AT1G80790	FDM5	577.8073	533.4896	497.0346	380.2472	374.9565	407.7079	323.7065	453.1338	486.1705	441.3864	416.3945	488.9479	-0.4614	0.006165	-0.34462	0.057275	-0.25061	0.371122	
AT1G80800	AT1G80800	97.49012	119.5445	95.28642	83.72036	102.6824	94.69987	91.59826	75.78587	65.40848	154.4852	142.3457	103.5907	-0.14286	0.603286	-0.3784	0.149769	0.35645	0.337907	
AT1G80810	AT1G80810	177.1467	160.5821	115.8889	116.3012	134.4809	138.5609	162.7425	154.2813	189.3917	134.335	147.6671	126.3800	-0.22198	0.319358	0.157121	0.52479	-0.14966	0.715123	
AT1G80820	CCR2	5.94452	3.568492	5.150617	45.36571	37.76063	57.81677	32.90423	43.1556	30.26363	9.595356	6.65167	11.39497	2.674296	5.2E-11	2.288121	5.71E-08	0.590551	0.486936	
AT1G80830	NRAMP1	338.8376	242.6575	320.6259	461.493	413.3796	464.5278	487.3383	489.816	342.6623	379.0166	309.9678	362.5673	0.549427	0.003161	0.528596	0.005956	0.210735	0.540008	
AT1G80831	AT1G80831	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	0	0	0	NA	
AT1G80840	WRKY40	21.40027	19.62671	16.73951	299.0013	326.5964	571.1898	57.4465	625.7562	759.5194	14.39303	23.94601	25.8976	4.024369	5.04E-44	4.815085	4.44E-63	0.082838	0.927039	
AT1G80850	AT1G80850	71.33424	92.78079	84.98519	122.8998	137.7932	111.6462	104.0485	99.25787	88.83839	82.52006	69.17737	87.01615	0.235382	0.005231	0.235382	0.357569	-0.03999	0.945973	
AT1G80860	PLMT	137.9129	140.9554	157.0938	197.5471	176.2163	171.4566	160.9639	171.5435	150.3419	156.4043	134.3637	132.596	0.323006	0.071532	0.141784	0.514475	-0.03893	0.932481	
AT1G80865	AT1G80865	0	3.568492	0	0	0.662467	0	0	0	1.952492	0.959536	0	1.035907	-0.8856	NA	-0.14578	NA	-0.12802	NA	
AT1G80870	AT1G80870	236.5919	194.4828	176.4086	140.6337	135.1433	145.5388	119.1667	124.0723	143.5082	179.4332	206.2018	209.2531	-0.52371	0.002739	-0.64234	0.000368	-0.03615	0.936323	
AT1G80880	AT1G80880	19.02246	24.97944	43.78025	21.03319	25.17376	13.95577	32.90423	28.05114	16.59618	33.58375	21.28534	32.1131	-0.47038	0.272602	-0.15964	0.761174	-0.00154	0.998413	
AT1G80890	64.20081	58.88012	69.53333	151.3565	153.6924	116.6304	106.7164	83.07453	196.2254	81.56053	87.80204	93.23159	1.064665	0.000182	0.93859	0.001521	0.410592	0.421518	0.144964	0.794473
AT1G80900	MR52-10	55.87849	49.95889	52.79383	61.03751	62.27192	62.80097	72.92289	65.81229	45.88356	61.41028	58.53469	56.97486	0.2125	0.465891	0.205001	0.518073	-0.27974	0.533891	
AT1G80910	AT1G80910	153.3686	181.9931	160.9568	143.933	172.2415	173.4503	184.0588	153.2024	140.5794	118.9824	130.3727	169.8887	-0.01971	0.943467	-0.04467	0.875381	-0.22974	0.533891	
AT1G80920	ATJ8	2817.702	3693.389	3069.768	3011.871	3008.926	2817.072	3262.854	3277.668	4133.426	2824.873	2881.503	3074.571	-0.11354	0.498252	0.154956	0.358066	-0.12298	0.653508	
AT1G80930	AT1G80930	1223.382	879.6333	1001.795	846.2768	902.2804	815.4158	941.7724	974.2376	1004.557	789.6978	858.0654	919.885	-0.27548	0.063131	-0.09073	0.616169	-0.27431	0.208473	
AT1G80940	AT1G80940	301.9816	322.9483	307.7494	372.4113	374.9565	330.9511	379.7326	327.9825	457.8594	275.3867	307.3071	418.5062	0.208408	0.32627	0.316259	0.132621	0.101721	0.805717	
AT1G80950	LPEA1T	254.4254	278.3424	254.9556	322.509	297.4478	307.027	305.0311	225.488	245.0737	261.9532	295.3341	257.9407	0.23649	0.161914	-0.015	0.945883	0.048896	0.898488	
AT1G80960	AT1G80960	101.0568	105.2705	123.6148	108.4653	107.9822	104.6683	80.04104	91.70564	74.1947	92.11542	101.1054	80.80071	-0.03649	0.890243	-0.36988	0.10124	-0.26785	0.456762	
AT1G80970	AT1G80970	11.88904	7.136984	21.89012	19.79595	21.19895	10.96525	12.45025	18.34113	18.54867	13.4335	15.96401	21.75404	0.291873	0.571519	0.187853	0.725081	0.239027	0.808334	
AT1G80980	AT1G80980	140.2907	158.7979	160.9568	195.485	208.6772	138.5609	177.8607	160.7546	230.3941	176.5546	224.8264	159.5296	0.241689	0.331144	0.29557	0.241282	0.732303	0.491396	
AT1G80990	AT1G80990	1.188904	1.784246	0	0.412416	0	0	0.889303	0	0	0	0	0	-0.40146	NA	-0.29287	NA	-0.48079	NA	
AT1G81001	AT1G81001	26.15589	33.90067	32.19136	27.63184	25.83622	31.8989	28.45771	21.5778	32.32161	23.02886	22.61568	31.0772	-0.1024	0.80639	-0.13485	0.764258	-0.22768	0.744093	
AT1G81020	AT1G81020	0	0	0	0	0	0	0	0.976246	0.959536	0	0	0	0	0	0	0	0.146371	NA	
AT2G01000	AT2G01000	40.42273	28.54794	12.87654	16.90904	21.86142	22.92734	57.80473	40.99782	50.76479	21.10978	31.92802	43.50807	-0.39389	0.363157	0.791159	0.046813	0.204258	0.805391	
AT2G01010	AT2G01010	28068.83	23894.62	13027.2	12560.94	13116.85	13917.89	8181.592	13204.53	24260.69	12947.01	6263.212	19891.48	-0.59861	0.241237	-0.42762	0.446628	-0.61363	0.442058	
AT2G01020	AT2G01020	46.36725	42.8219	36.05432	34.64291	31.13596	17.94313	30.23632	46.39227	41.00233	32.62421	26.60668	44.54398	-0.49901	0.154146	-0.08905	0.845978	-0.23992	0.721299	
AT2G01021	AT2G01021	265.1256	171.2876	39.91728	84.54519	102.6824	66.78833	99.61939	111.1257	194.273	44.13864	30.59768	141.9192	-0.64117	0.316313	-0.16852	0.831868	-0.79515	0.410963	
AT2G01022	AT2G01022	0	3.568492	0	0.824831	0	0	2.66791	1.07889	0	0	2.660668	0	-0.3234	0.604463	0.084127	0.908149	-0.081	NA	
AT2G01023	AT2G01023	3.566712	0	0	0.824831	2.649869	0	2.66791	2.15778	2.928738	2.878607	2.660668	3.10772	-0.10705	0.899131	0.430103	0.581472	0.510748	NA	
AT2G01024	AT2G01024	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT2G01026	AT2G01026	1.188904	0	0	0	0.662467	0	0	0	0	0	0	0	-0.07436	NA	-0.18968	NA	-0.18606	NA	
AT2G01028	AT2G01028	0	0	0	0	0	0	3.557214	0	0	0	0	0	0	NA	0.434799	NA	0	NA	
AT2G01029	AT2G01029	0	3.568492	3.862963	2.886909	1.324935	0.996841	0.889303	2.15778	0.976246	0.959536	0	1.035907	-0.13705	0.86815	-0.36222	0.647533	-0.63269	NA	
AT2G01031	AT2G01031	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA	
AT2G01034	AT2G01034	2.377808	1.784246	0	0.412416	0	0	0	2.15778	0	0	0	1.035907	-0.57286	NA	-0.25713	NA	-0.42023	NA	
AT2G01037	AT2G01037	0	0	0	0.412416	0	0	2.66791	1.07889	0	0	0	0	0.050432	NA	0.59442	NA	0	NA	
AT2G01040	AT2G01040	1.188904	0	0	0	0.662467	0.996841	2.778607	2.15778	0	0	0	1.035907	0.004787	NA	0.395221	NA	-0.05171	NA	
AT2G01050	AT2G01050	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA	
AT2G01060	AT2G01060	312.6817	378.2602	440.3778	690.3837	639.9434														

AT2G01554	AT2G01554	0	0	0	0.412416	0	0.996841	0.889303	0	0	0	0	0	0	0	0	0	0.238153	NA	0.155534	NA	0.178793	NA	
AT2G01560	AT2G01560	0	0	0	0.662467	0	0.662467	0	0	0	0	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT2G01570	RG4	1074.769	1116.938	1015.959	571.1956	529.3114	704.7664	562.9291	649.4917	428.572	884.6918	735.6747	835.9766					-0.81533	1.05E-06	-0.94769	1.37E-08	-0.37569	0.144532	
AT2G01580	AT2G01580	4.755616	0	1.287654	2.062078	0.662467	0	0.889303	0	0	4.797678	3.991002	1.035907					-0.42351	0.561866	-0.75014	0.278688	0.321815	0	
AT2G01590	RR3	373.6487	246.226	311.6124	207.0326	225.2389	175.444	290.802	203.9102	373.9022	312.8086	371.1632	431.973					-0.54112	0.020949	-0.04546	0.889016	0.30182	0.444309	
AT2G01600	AT2G01600	474.3727	406.8081	412.0494	384.3731	333.8835	434.6226	412.6368	461.7649	313.375	384.7738	387.1272	361.5314					-0.16769	0.098962	-0.12332	0.574564	-0.18903	0.556761	
AT2G01610	AT2G01610	60.6341	41.03766	64.38272	80.42104	64.25933	61.80413	87.70527	63.65451	109.3396	61.41028	67.84703	42.47217					0.289929	0.367635	0.574298	0.06143	0.019841	0.982469	
AT2G01620	SKIP28	249.6698	322.9485	289.7222	309.7241	288.1733	244.226	327.0642	379.7693	405.1421	386.6929	460.2956	364.6391					-0.01938	0.932364	0.429695	0.011152	0.485589	0.022346	
AT2G01630	AT2G01630	216.3805	183.7773	178.984	150.5317	150.3801	143.5451	168.9677	186.648	124.9595	199.5834	198.2198	172.9964					-0.37503	0.051336	-0.26845	0.210125	-0.02513	0.96079	
AT2G01640	AT2G01640	29.7226	35.68492	43.78025	61.86234	72.8714	43.86099	39.12935	30.20892	66.38473	41.26003	41.24035	49.72351					0.671828	0.047046	0.290831	0.479479	0.254767	0.706832	
AT2G01650	PUX2	299.6038	278.3424	251.0926	423.9632	525.999	470.5088	438.4266	371.1381	425.6433	239.8839	247.4421	205.1095					0.762276	3.47E-07	0.566551	0.00033	-0.25805	0.335661	
AT2G01660	CRSP12	36.85602	19.62671	42.49259	18.14629	15.23675	10.96525	18.67537	10.7889	20.50117	23.98839	23.94601	25.89766					-1.03371	0.005484	-0.90266	0.024354	-0.40913	0.546547	
AT2G01667	AT2G01667	0	0	0	0	0	0	0	0	0	0	0	0					#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT2G01670	NUD17	471.9949	524.5683	509.9111	1477.273	1683.329	1615.879	1337.512	1125.282	1647.903	436.5887	518.8302	480.6606					1.63825	5.82E-29	1.425685	5.76E-22	-0.06859	0.856302	
AT2G01680	AT2G01680	384.016	408.5923	397.8852	400.0431	358.3948	433.6257	332.5995	455.2916	335.8286	365.5831	380.4755	371.8904					0.000932	0.99720	-0.0833	0.689098	-0.08847	0.796296	
AT2G01690	VAC14	608.7188	588.8012	522.7877	473.0407	407.4174	559.2277	604.7264	581.5217	257.7289	511.4325	643.8816	560.4254					-0.24647	0.410355	-0.24093	0.446239	-0.00432	0.995545	
AT2G01700	AT2G01700	0	0	0	0.662467	0	0.662467	0	0	0	0	0	0					0.128567	NA	0	NA	0	NA	
AT2G01710	AT2G01710	203.3026	231.952	254.9556	258.1721	239.1507	231.2671	203.6505	248.1447	279.2064	207.2597	234.1388	210.289					0.082505	0.697465	0.081134	0.72363	-0.08265	0.835431	
AT2G01720	OST18	657.4639	683.3662	668.2926	809.9842	777.0741	974.9103	731.8968	788.6685	552.5552	600.6693	565.3919	546.9586					0.343331	0.037002	0.044581	0.841514	-0.22523	0.409123	
AT2G01730	CPSP73-10	13.07794	19.62671	7.725926	18.14629	22.52389	16.94629	22.23259	18.34113	19.52492	12.47396	11.97301	11.39497					0.496039	0.257062	0.546339	0.252331	-0.11122	0.918783	
AT2G01740	RIE1	126.0238	114.1917	128.7654	163.3166	153.0299	136.5672	160.9639	149.9657	150.3419	90.19635	138.3547	11.86176					0.2919	0.159928	0.3098	0.159337	-0.13209	0.753601	
AT2G01750	AT2G01740	22.3368	23.1952	28.3284	15.25938	22.92734	23.18635	22.92734	18.67537	30.20892	42.54366	24.97633	26.60668	24.86776				-0.39574	0.311987	-0.1728	0.714512	-0.07454	0.935116	
AT2G01750	MAP70.3	103.4346	96.34929	88.84815	95.68041	74.19633	80.7441	74.70149	86.3112	68.33722	66.20796	58.53469	67.33392					-0.18589	0.457567	-0.32479	0.19885	-0.56236	0.080933	
AT2G01755	AT2G01755	83.22328	80.29107	104.3	77.53413	79.49607	45.85468	48.64943	71.20674	171.8193	108.4275	109.0874	111.8779					-0.35943	0.354996	0.155385	0.733603	0.272418	0.686424	
AT2G01760	ARR14	228.2696	214.1095	256.2432	123.7247	127.1937	133.5767	143.1790	116.5201	130.817	310.8895	284.6915	260.0125					-0.85605	4.35E-08	-0.82363	0.438077	0.285159	0.260245	
AT2G01770	VIT1	0	3.568492	0	3.299325	3.312336	3.987363	0.889303	0	2.928738	0	0	0					0.865812	0.188565	0.104752	0.901066	-0.52521	NA	
AT2G01780	AT2G01780	0	0	0	0	0	0	0	0	0	0	0	0					#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT2G01790	AT2G01790	0	0	0	0	0	0	0	0	0	0	0	0					#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT2G01800	AT2G01800	0	0	0	0	0	0	0	0	0	0.959536	0	1.035907					0	NA	0	NA	0.332992	NA	
AT2G01810	AT2G01810	3.566712	0	0	0.824831	0.662467	0.996841	0	0	0	1.919071	1.330334	0					-0.17755	NA	-0.63954	NA	-0.06689	NA	
AT2G01818	AT2G01818	54.68958	37.46917	45.0679	56.08852	64.25933	57.81677	69.36567	37.76115	50.76479	64.28889	70.5077	44.54398					0.336912	0.295351	0.182019	0.633271	0.339635	0.524933	
AT2G01820	AT2G01820	996.3015	735.1094	664.4296	400.0431	363.0321	498.4204	449.9876	479.0271	415.8808	547.8948	577.3649	579.0717					-0.91211	9.69E-08	-0.81762	2.81E-06	-0.48327	0.046502	
AT2G01830	AHK4	337.6487	237.3047	251.0926	91.55626	94.07035	104.6683	125.3918	143.4924	78.09968	333.9184	280.7005	270.3716					-1.46822	3.99E-12	-1.21512	2.26E-08	0.093577	0.852822	
AT2G01840	AT2G01840	0	0	1.287654	0	0	0	5.335821	1.07889	0	1.330334	0	0					-0.31205	NA	0.645404	NA	-0.0304	NA	
AT2G01850	XTH27	1426.685	1871.674	1525.87	1338.289	1179.192	1701.607	1606.082	1880.505	1730.884	1570.76	1432.77	1573.542					-0.19004	0.301547	0.112509	0.588395	-0.07245	0.84885	
AT2G01860	EMB975	133.1572	173.0719	135.2037	111.3522	101.3575	138.5609	158.296	138.0979	98.60085	161.202	184.9164	163.6732					-0.32016	0.176813	-0.14389	0.610327	0.208382	0.612836	
AT2G01870	AT2G01870	22.2235	26.75581	253.6679	220.6423	268.9617	179.4313	151.2749	318.2725	398.3008	409.7217	468.2776	421.614					-0.15506	0.467732	-0.498991	0.007473	0.757291	0.000184	
AT2G01880	PAP7	0	0	0	0.412416	0.662467	0	0	0	0	0	0	0					0.196313	NA	0	NA	0	NA	
AT2G01890	PAP8	34.47821	26.76369	43.78025	40.00431	42.39791	62.80097	52.46891	40.99782	36.1211	38.38143	41.24035	45.57989					0.391396	0.242812	0.26777	0.485006	0.215876	0.739655	
AT2G01900	AT2G01900	1.188904	0	1.287654	2.062078	2.649869	3.987363	2.66791	0	0.959536	1.330334	1.035907	0					0.736392	0.278245	-0.00759	0.992995	0.071497	NA	
AT2G01905	CYC18	20.21137	17.84246	18.02716	4.536571	3.312336	9.968408	10.67164	7.55223	0.976246	17.2164	21.28534	14.50269					-1.42139	0.003412	-1.23607	0.017048	-0.07098	NA	
AT2G01910	MAP65-6	957.0677	892.123	912.9469	692.4457	698.903	905.1314	815.4913	889.0053	780.9968	810.8076	838.1104	835.9766					-0.26908	0.057399	-0.15175	0.347053	-0.15189	0.540577	
AT2G01913	AT2G01913	22.58917	14.27397	11.58889	18.14629	19.21155	18.93997	16.00746	11.86779	3.904984	19.19071	18.62468	19.68222					0.176362	0.74007	-0.52258	0.315369	0.202355	0.836113	
AT2G01918	PQL3	65.88972	48.17464	48.93086	26.80701	39.74804	35.88627	59.58333	55.02339	62.47974	82.52006	151.6581	105.6625					-0.65776	0.030265	0.107198	0.078841	0.991322	0.000264	
AT2G01920	AT2G01920	0	0	0	0.824831	0.662467	0.996841	0.889303	0	0	0	0	0					0.487706	NA	0.166769	NA	-0.11313	0.505121	
AT2G01930	BPC1	367.3713	360.4177	406.8988	286.2164	327.2588	314.0048	369.0609	320.4303	360.2348	429.872	412.4035	438.1885					-0.29383	0.033191	-0.11313	0.505121	0.171481	0.468917	
AT2G01940	SGR5	149.8019	92.78079	91.42346	47.84021	60.94699	64.79465	61.36194	60.41784	52.71728	93.07496	95.78405	71.47755					-0.93225	0.000175	-0.90574	0.000495	-0.35876	0.406722	
AT2G01950	BRL2	345.971	169.5034	151.9432	62.27475	86.12075	87.72199	65.80846	65.81229	76.14719	128.5778	155.6491	151.2424					-1.43353	1.51E-07	-1.59351	9.44E-09	-0.5924	0.164235	
AT2G01960	TE14	0	0	0	0	0	0.996841	1.778607	0	0	1.919071	0	1.035907					0.101612	NA	0.282812	NA	0.452419	NA	
AT2G01970	TMN3	963.0122	797.558	758.4284	589.7543																			

AT2G02450	ANAC034	175.9578	192.6986	162.2444	131.973	126.5312	127.5956	176.0821	158.5968	136.6744	186.1499	228.8174	155.386	-0.44217	0.023285	-0.16107	0.495334	0.099132	0.811716
AT2G02470	AL6	257.9922	265.8527	227.9148	279.2053	315.9969	253.1976	263.2338	248.1447	381.7122	249.4793	203.5411	267.2639	0.174069	0.453569	0.244377	0.295016	-0.05451	0.913172
AT2G02480	STI	194.9802	144.5239	131.3407	100.217	91.42048	144.5419	103.1592	129.4668	98.60085	142.9708	145.0064	177.14	-0.48907	0.043512	-0.49633	0.05188	-0.02076	0.975777
AT2G02490	AT2G02490	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0.171512	NA
AT2G02498	AT2G02498	0	0	1.287654	0	0.662467	0	0	0	0	0.959536	0	0	-0.08303	0	-0.19962	NA	-0.19582	NA
AT2G02500	ISPD	368.5602	438.9245	436.5148	294.8771	320.6342	283.1028	397.5187	318.2725	335.8286	659.201	685.122	553.1741	-0.45752	0.003141	-0.23345	0.186298	0.602244	0.000805
AT2G02510	AT2G02510	123.646	144.5239	167.3951	300.2385	308.0473	202.3587	175.1928	100.3368	385.6172	205.3406	278.0398	168.8528	0.769962	0.093911	0.514893	0.311124	0.496357	0.52727
AT2G02515	AT2G02515	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G02520	AT2G02520	0	0	0	0	0	0	0	0	0.976246	0	0	0	0	NA	0.16673	NA	0	NA
AT2G02540	ZHD3	26.15589	16.05821	23.17778	24.74493	23.84882	31.8989	28.45771	16.18335	18.54867	27.82653	25.27635	20.71813	0.230133	0.592225	-0.05937	0.910747	0.132721	0.879034
AT2G02550	AT2G02550	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G02560	CAND1	720.4758	599.5067	545.9654	403.3424	441.2032	468.5152	452.6555	544.8394	297.755	523.9065	541.4459	483.7683	-0.49593	0.016943	-0.51403	0.016114	-0.26249	0.463036
AT2G02570	AT2G02570	707.3978	799.3422	635.6877	1012.068	1128.844	1073.598	1178.327	1055.154	1170.519	985.4431	975.1348	823.5457	0.452178	0.000312	0.535166	1.94E-05	0.247117	0.214249
AT2G02580	CYP71B9	0	0	1.287654	3.299325	1.324935	0.996841	1.778607	3.23667	1.952492	0	0	0	0.696648	0.292848	0.763445	0.259485	-0.29936	NA
AT2G02590	AT2G02590	55.87849	67.80135	64.38272	45.77813	62.93439	53.8294	53.35821	58.26006	53.69353	71.96517	47.89202	63.1903	-0.20394	0.493369	-0.1711	0.605496	-0.01485	0.984708
AT2G02600	AT2G02600	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G02610	AT2G02610	0	0	0	0	0.662467	0	0.889303	1.07889	0.976246	0	0	0	0.104727	NA	0.538625	NA	0	NA
AT2G02620	AT2G02620	1.188904	0	0	0	0	0	0.889303	1.07889	0	0	1.330334	0	-0.29581	NA	0.12448	NA	-0.0131	NA
AT2G02630	AT2G02630	0	0	0	0	0	0	0	3.23667	0	0	0	1.035907	0	NA	0.41704	NA	0.145429	NA
AT2G02640	AT2G02640	0	0	0	0	0	0	0	0	0	0	2.660668	2.071813	0	NA	0	NA	0.691027	NA
AT2G02650	AT2G02650	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G02660	AT2G02660	0	0	0	0	0	0	0	0	0.959536	0	0	0	0	NA	0	NA	0.171512	NA
AT2G02670	AT2G02670	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G02680	AT2G02680	0	1.784246	0	0.412416	1.324935	0.996841	0.889303	0	0	0.959536	0	0	0.222551	NA	-0.11404	NA	-0.08918	NA
AT2G02690	AT2G02690	1.188904	0	0	0	0	0	0	0.959536	0	0	0	0	-0.21179	NA	-0.19779	NA	-0.02864	NA
AT2G02700	AT2G02700	0	0	1.287654	0.412416	0.662467	0.996841	0.889303	0	0	0	0	1.035907	0.132939	NA	-0.08252	NA	-0.05264	NA
AT2G02710	TLP1	691.9421	817.1847	739.1136	803.798	836.0337	874.2294	1100.068	1029.261	830.7853	715.8136	931.2338	844.2638	0.159891	0.35716	0.393289	0.01354	0.146119	0.612957
AT2G02720	AT2G02720	1.188904	3.568492	0	3.299325	2.648699	0	5.35821	3.23667	0.976246	0	2.660668	2.071813	0.215309	0.787521	0.50833	0.503396	0.003488	NA
AT2G02730	AT2G02730	49.9397	71.36984	70.82099	134.0351	119.9066	121.6146	104.0485	100.3368	145.4607	76.76285	86.47171	80.80071	0.949035	2.29E-05	0.844775	0.000315	0.337458	0.416122
AT2G02740	WHY3	139.1018	160.5821	124.9025	193.0105	180.1911	161.4882	185.8644	170.4646	162.0568	137.2136	118.3997	132.596	0.345122	0.059465	0.293235	0.142773	-0.11142	0.776218
AT2G02741	MIR840A	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G02750	PCMP-E22	26.15589	23.1952	19.31482	28.45667	19.21155	21.9305	26.6791	28.05114	29.28738	21.10978	19.95501	22.78994	0.038156	0.937071	0.264803	0.545698	-0.09409	0.917424
AT2G02760	UBC2	1278.072	1391.712	1416.42	1650.075	1875.445	1679.677	1959.136	1737.013	1796.293	1617.777	1956.921	1302.135	0.344034	0.031031	0.420568	0.008513	0.250253	0.318972
AT2G02770	AT2G02770	197.3581	181.9931	181.5593	164.5538	200.7276	164.4787	214.3221	146.729	148.3894	213.0169	274.0488	226.8635	-0.08203	0.746505	-0.13282	0.60595	0.32886	0.299712
AT2G02780	AT2G02780	231.8363	223.0308	251.0926	127.4364	131.1685	182.4219	120.056	124.0723	82.98091	264.8318	288.6825	237.2226	-0.67721	0.000675	-1.07948	7.14E-08	0.15628	0.694775
AT2G02790	IQD29	221.1361	165.9349	202.1617	125.3743	143.0929	157.5008	120.056	158.5968	139.6032	195.7453	220.8354	197.8581	-0.47902	0.009896	-0.49676	0.101726	0.046828	0.919089
AT2G02795	AT2G02795	0	0	0	0	0	0	0	0.976246	0	0	0	0	0	NA	0.16673	NA	-0.34748	0.143966
AT2G02800	APK2B	286.5259	310.4588	244.6543	483.3511	411.3922	448.5784	289.9129	343.087	339.7336	231.2481	220.8354	204.0736	0.672261	4.57E-06	0.209054	0.243257	-0.19549	0.585023
AT2G02810	UTR1	92.73451	98.13353	95.28642	741.5232	665.1171	719.719	435.7587	411.0571	368.0447	87.31774	82.48071	78.7289	2.848761	1.79E-80	0.2048346	3.01E-40	-0.10248	0.852822
AT2G02820	MYB88	177.1467	114.1917	115.8889	55.26369	43.72284	71.77254	72.92289	62.57562	57.59851	122.8206	119.7301	137.7756	-1.23113	1.53E-07	-1.039	2.16E-05	-0.10248	0.852822
AT2G02830	AT2G02830	0	0	0	0	0	0	0	0	0	0.959536	0	0	0	NA	0	NA	0.171512	NA
AT2G02835	AT2G02835	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0.172362	NA
AT2G02840	AT2G02840	1.188904	0	0	0	0	0	0	0	0	0.959536	0	0	-0.21179	NA	-0.19779	NA	-0.02864	NA
AT2G02850	ARNP	28.53369	19.62671	20.60247	35.46774	27.16116	20.93366	20.45398	19.42002	28.31113	31.66468	21.28534	34.18492	0.272404	0.518645	-0.0285	0.957816	0.307259	0.667821
AT2G02860	SUC13	177.1467	205.1883	185.4222	221.4672	172.904	213.3239	203.6505	219.0147	136.6744	193.8262	200.8804	164.7091	0.100607	0.69325	-0.01767	0.952973	-0.01837	0.975777
AT2G02870	SKIP11	280.5813	237.3047	245.942	247.0369	270.2866	303.0396	277.4627	284.8269	299.9213	191.9071	139.6851	198.8941	0.090183	0.663458	0.15234	0.412502	-0.5102	0.026076
AT2G02880	AT2G02880	95.11232	64.23286	96.57408	118.7757	130.5061	110.6493	129.8383	104.6523	144.4844	116.1038	109.0874	75.62118	0.458869	0.060124	0.529907	0.035041	0.203996	0.662913
AT2G02890	AT2G02890	0	0	0	0.412416	0	1.993682	0.889303	1.07889	0	0	0	0	0.396595	NA	0.337054	NA	0	NA
AT2G02900	AT2G02900	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G02910	AT2G02910	148.613	142.7397	176.4086	145.9951	167.6042	148.5293	155.6281	161.8335	125.9357	170.7973	159.6401	147.0987	-0.02251	0.928265	-0.081	0.743841	0.002524	0.960085
AT2G02930	G5TF3	124.8349	132.0342	132.6284	280.2164	280.8861	288.087	480.2239	462.8438	383.6647	64.28889	42.57069	78.7289	1.111889	1.28E-10	1.735024	7.07E-25	-0.00578	1.83E-05
AT2G02950	PKS1	280.5813	303.3218	316.763	280.0302	294.1355	306.0301	330.8209	358.1915	380.7359	308.0109	300.6555	271.4075	-0.03558	0.845057	0.245876	1.008959	-0.03188	0.92935
AT2G02955	MEE12	45.17835	42.8219	43.78025	43.30364	40.4105	47.84836	40.90796	42.07671	52.71728	29.7456	45.23135	46.61159	-0.01219	0.974908	0.037398	0.927468	-0.12381	0.852822
AT2G02960	AT2G02960	293.6593	396.1026	352.8173	546.4506	465.7145	535.3035	414.4154	375.4537	285.0638	271.5486	311.2981	304.5565	0.564441	0.001331	0.049339	0.844996	-0.22355	0.488261
AT2G02970	APHY6	285.3369	322.9485	314.1877	297.3516	284.1985	337.929	300.5846	342.0081	257.4289	284.9821	228.8174	278.6589	-0.00588	0.979269	-0.0329	0.888839	-0.20745	0.481893
AT2G02980	PCMP-H2	76.08985	74.93833	64.38272	54.02644	52.33491	50.83888	62.25124	72.28563	63.45599	73.38424	101.1054	87.01615	-0.43191	0.075221	-0.11802	0.701816	0.265898	0.522993
AT2G02990	RNS1	4.755616	10.70548	6.438272	23.09527	25.83622	23.92418	30.23632	34.52448	45.88356	6.835821	38.57969							

ATZG05040	ATZG05040	0	0	0	0.412416	0.662467	0.996841	2.66791	0	0.976246	0	0	2.071813	0.312632	NA	0.586702	NA	0.338576	NA
ATZG05050	ATZG05050	0	0	0	1.237247	0	4.984204	1.778607	3.236667	2.928738	0	0	0	0.824112	0.180964	1.026463	0.0095712	0	NA
ATZG05060	ATZG05060	0	0	0	0	0	0.996841	0	0	0	0	0	1.035907	0.134822	NA	0	NA	0.152581	NA
ATZG05070	LHC2.2	18618.24	22137.14	18831.94	8381.522	8080.113	7397.555	3552.767	3955.211	4732.841	14712.56	14090.9	15209.18	-1.30453	6.93E-26	-2.25598	8.43E-76	-0.43177	0.010989
ATZG05080	ATZG05080	0	0	0	0.412416	0.662467	0	0.889303	1.07889	0	0.959536	1.330334	1.035907	0.183232	NA	0.361188	NA	0.586195	NA
ATZG05082	ATZG05082	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG05084	ATZG05084	0	0	0	0	0.662467	0	0	0	0	0	1.330334	0	0.101524	NA	0	NA	0.179327	NA
ATZG05087	ATZG05087	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
ATZG05090	ATZG05090	0	1.784246	0	0	0	0	0.889303	0	0.976246	0	0	0	-0.31542	NA	0.08696	NA	-0.27406	NA
ATZG05100	LHC2.1	20602.52	23921.39	20887.04	10160.68	8690.908	7913.919	4021.43	4077.125	5028.643	19318.33	16851.34	16894.6	-1.27124	1.67E-21	-2.28504	7.87E-68	-0.29757	0.169041
ATZG05110	ATZG05110	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
ATZG05115	ATZG05115	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG05117	SCR19	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
ATZG05120	NUP133	153.3686	105.2705	123.6148	108.0529	117.2567	138.5609	125.3918	125.1512	101.5296	112.2657	101.1054	114.9856	-0.09529	0.709132	-0.12875	0.630955	-0.22259	0.565684
ATZG05130	ATZG05130	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.21339	NA	-0.19896	NA	-0.02174	NA
ATZG05133	ATZG05133	0	0	0	2.062078	1.987402	3.987363	2.66791	1.07889	0	0.959536	0	1.035907	1.116913	0.068869	0.58541	0.392981	0.319247	NA
ATZG05140	ATZG05140	11.88904	5.352738	10.30123	8.248311	4.637271	10.96525	5.335821	6.47334	8.786214	8.635821	2.660668	6.215439	-0.20839	0.75204	-0.35511	0.597311	-0.4883	NA
ATZG05150	ATZG05150	0	0	0	0	0	0	0.889303	2.15778	0.976246	0.959536	0	1.035907	0	NA	0.709965	NA	0.387883	NA
ATZG05160	ATZG05160	95.11232	99.91778	103.0123	90.73143	86.78321	98.68724	156.5174	143.4924	98.60085	115.1443	146.3367	113.9497	-0.1115	0.687592	0.408041	0.094131	0.31563	0.407847
ATZG05170	VPS11	565.9183	463.904	433.9395	284.5667	282.2111	332.9448	368.1716	388.4004	348.5198	441.3864	476.2596	446.4757	-0.70152	5.98E-07	-0.4033	0.080034	-0.10451	0.725981
ATZG05171	ATZG05171	0	0	0	0	0	0	0.996841	0	0	0	0	0	0.15625	NA	0	NA	0	NA
ATZG05180	CYP705A6	2.377808	0	0	0	0.662467	0	0	1.07889	0.976246	0.959536	2.660668	2.071813	-0.42368	0.518019	-0.1013	0.896266	0.410274	NA
ATZG05185	ATZG05185	27.34479	26.76369	20.60247	33.81808	38.4231	13.95577	27.56841	16.18335	40.02609	31.66468	47.89202	37.29264	0.212245	0.663272	0.151059	0.782905	0.566552	0.398983
ATZG05190	ATZG05190	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG05200	ATZG05200	0	0	0	0	0	0	0.889303	2.15778	0.976246	0.959536	0	1.035907	0	NA	0.709965	NA	0.387883	NA
ATZG05210	POT1A	254.4254	212.3253	235.6407	194.6602	178.2037	202.3587	192.9789	201.7524	147.4131	292.6584	224.8264	282.8025	-0.28931	0.129226	-0.3715	0.058366	0.184486	0.57837
ATZG05220	RPS17B	1068.825	1045.568	1094.506	1135.792	1185.154	934.0398	867.9602	783.2741	1128.54	1118.819	1066.928	1105.312	0.021746	0.919478	0.20374	0.261387	0.03586	0.927935
ATZG05230	ATZG05230	256.8033	173.0719	202.1617	167.8531	155.0173	184.4155	172.5249	202.8313	145.4607	159.2829	171.6131	165.745	-0.32372	0.11152	-0.28459	0.196516	-0.35088	0.255161
ATZG05240	ATZG05240	11.88904	14.27397	14.1642	7.835896	5.299738	9.710009	9.782338	6.833722	21.10978	23.94601	11.39497	0	-0.65067	0.192874	-0.50149	0.370993	0.42481	NA
ATZG05250	ATZG05250	231.8363	190.9143	178.984	185.1746	151.0425	205.3492	197.4254	210.3835	148.3894	181.3522	168.9524	159.5296	-0.15599	0.500786	-0.11498	0.656036	-0.23556	0.514832
ATZG05260	ATZG05260	49.93397	39.25341	43.78025	82.89553	82.14594	71.77254	48.02239	86.3112	91.76712	68.12703	42.57069	42.47217	0.777142	0.009661	0.701155	0.027689	0.188283	0.773406
ATZG05270	ATZG05270	1.188904	0	0	0	0	0	0.889303	0	0	0	0	0	-0.2447	NA	-0.0484	NA	-0.02732	NA
ATZG05280	ATZG05280	2.377808	0	2.575309	0.412416	0	1.993682	0	3.23667	0.976246	0.959536	1.330334	2.071813	-0.47002	0.506791	-0.1378	0.870469	-0.09987	NA
ATZG05290	ATZG05290	0	0	1.287654	0	0	0	0	1.07889	1.952492	0.959536	0	1.035907	-0.34558	NA	-0.27725	NA	0.126797	NA
ATZG05294	ATZG05294	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG05300	ATZG05300	29.7226	28.54794	33.47901	22.27044	25.17376	23.92418	22.23259	19.42002	29.28738	37.42189	46.56169	40.40035	-0.35121	0.324039	-0.34533	0.380574	0.400816	0.469967
ATZG05310	ATZG05310	997.4904	1125.859	1104.807	820.707	1029.474	708.7538	931.1007	744.4341	1068.989	1516.066	2091.285	1402.617	-0.32467	0.132525	-0.2269	0.341336	0.616991	0.016449
ATZG05320	ATZG05320	141.4796	137.3869	141.642	196.3098	177.5412	220.3018	136.9527	135.9401	130.817	99.79171	82.48071	95.3034	0.483316	0.005239	-0.05904	0.813486	-0.57799	0.017934
ATZG05330	ATZG05330	0	0	5.150617	10.31039	13.91181	5.981045	8.893035	9.710009	11.71495	0	0	0	1.628963	0.005927	1.618154	0.009825	-0.81374	NA
ATZG05335	SCR15	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG05340	ATZG05340	0	0	0	0.412416	0	0	0.889303	1.07889	0.976246	0	0	0	0.067489	NA	0.550563	NA	0	NA
ATZG05350	ATZG05350	0	1.784246	1.287654	0	0	0.996841	1.778607	0	0	0	1.330334	1.035907	-0.36384	NA	-0.14186	NA	-0.0784	NA
ATZG05360	ATZG05360	0	0	0	0	0	0	0	0	0.976246	0	0	0	0.16724	NA	0.14724	NA	0.156349	NA
ATZG05370	ATZG05370	1.188904	1.784246	0	2.474493	0.662467	1.993682	3.557214	2.15778	1.952492	0	1.330334	0	0.344856	0.644704	0.623088	0.39101	-0.29709	NA
ATZG05380	GRP35	361.4268	528.1368	472.5691	3437.484	3391.17	3536.791	2367.326	2794.325	5035.477	323.3635	450.9832	322.1669	2.802234	3.93E-33	2.779436	1.1E-32	-0.2982	0.521998
ATZG05390	ATZG05390	0	0	0	0	0	0	0.889303	2.15778	0.976246	0	0	0	0.645903	NA	0.645903	NA	0.400856	NA
ATZG05400	ATZG05400	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG05410	ATZG05410	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
ATZG05420	ATZG05420	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
ATZG05430	ATZG05430	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
ATZG05435	ATZG05435	0	0	0	0	0	0	1.07889	0	0	0	0	0	0	NA	0.16673	NA	0	NA
ATZG05440	ATGRP9	20.21137	21.41095	27.04074	46.19054	40.4105	50.83888	22.23259	46.39227	53.69353	28.78607	43.90102	35.22082	0.90057	0.011475	0.738028	0.056011	0.56671	0.339925
ATZG05441	ATZG05441	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG05450	ATZG05450	0	0	0	0	0.662467	0	0.889303	0	0.976246	0	1.330334	0	0.093364	NA	0.326415	NA	0.201586	NA
ATZG05460	ATZG05460	0	0	0	0.662467	0	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
ATZG05470	ATZG05470	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
ATZG05475	ATZG05475	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0.172362	NA
ATZG05480	ATZG05480	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG05490	ATZG05490	2.377808	0	0	0.412416	0	0	0	1.07889	0	0.959536	0	0	-0.33182	NA	-0.21396	NA	-0.21438	NA
ATZG05500	ATZG05500	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG05510	ATZG05510	1.188904	0	0	2.886909	0.662467	10.96525	0.889303	0	0.976246	0	0	0	1.310333	0.029484	0.056298	0.944582	-0.26527	NA
ATZG05518	ATZG05518	40.42273	48.17464	51.50617	54.85127	78.83361	38.87679	73.81219	67.97007	72.2422	28.78607	41.24035	26.93357	0.302136	0.368657	0.583013	0.070417	-0.50434	

ATZG05803	ATZG05803	0	0	0	0	0.662467	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA	
ATZG05810	ATZG05810	19.02246	3.568492	5.150617	4.124156	5.299738	4.984204	4.446517	2.15778	6.833722	7.676285	13.30334	10.35907	-0.76044	0.202909	-0.78692	0.217389	0.084102	NA
ATZG05812	ATZG05812	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG05820	ATZG05820	1.188904	0	0	0	0	0	0	0	0.976246	0	0	0	-0.21061	NA	-0.03092	NA	-0.19245	NA
ATZG05830	ATZG05830	570.6739	711.9142	737.8259	685.4347	682.3413	621.0318	727.4502	628.9928	664.8235	791.6169	875.3598	668.1597	-0.01869	0.929351	0.003461	0.987478	0.206295	0.431857
ATZG05840	PAAZ	787.0544	951.0031	958.0148	1538.723	1644.906	1431.463	1317.058	1263.38	1366.744	1032.46	1173.355	899.1669	0.768255	5.38E-09	0.544824	7.36E-05	0.201178	0.395958
ATZG05845	ATZG05845	0	0	0	0.412416	0	0	0	0	0	0	0	1.035907	0.065109	NA	0	NA	0.150531	NA
ATZG05850	SCPL38	1.188904	0	0	0	0	0	0	0	0	0	0	1.035907	-0.21339	NA	-0.19896	NA	-0.02174	NA
ATZG05860	ATZG05860	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG05870	ATZG05870	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0.172362	NA
ATZG05880	ATZG05880	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
ATZG05890	ATZG05890	0	0	0	0.412416	0	0.996841	0.889303	0	0	0	0	0	0.244532	NA	0.15748	NA	0	NA
ATZG05900	SUVH10	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG05910	ATZG05910	0	1.784246	2.575309	14.02213	13.91181	9.968408	16.89677	7.55223	13.66744	0.959536	1.330334	2.071813	2.018476	0.000276	1.994843	0.000459	-0.06044	NA
ATZG05914	ATZG05914	2.377808	3.568492	1.287654	0	0	0	2.66791	2.15778	3.904984	3.838143	0	2.071813	-1.26032	0.048234	0.218735	0.79775	-0.0626	NA
ATZG05915	ATZG05915	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG05920	ATZG05920	1034.346	706.5614	714.6482	556.3486	555.1476	590.1297	522.9104	555.6283	622.8449	622.7386	653.194	644.3339	-0.52426	0.001187	-0.52364	0.001569	-0.35225	0.146582
ATZG05930	ATZG05930	2.377808	5.352738	1.287654	0.824831	0	0.996841	0.889303	1.07889	0.976246	1.919071	1.330334	3.10772	-0.96309	0.148769	-0.6875	0.345626	-0.1946	NA
ATZG05935	ATZG05935	3.566712	0	0	0	0	0	0.889303	2.15778	0	0.959536	1.330334	0	-0.66749	NA	-0.08823	NA	-0.20356	NA
ATZG05940	ATZG05940	194.9802	246.226	245.942	330.3449	338.5208	501.4109	569.1542	563.1805	487.1468	234.1267	228.8174	223.7558	0.744933	7.66E-05	1.211199	2.73E-11	0.002791	0.996189
ATZG05950	ATZG05950	7.133424	1.784246	6.438272	2.474493	0.662467	1.993682	2.66791	0	3.904984	9.595356	13.30334	5.179533	-0.98268	0.126585	-0.74972	0.286664	0.603714	NA
ATZG05960	ATZG05960	0	1.784246	0	0	0	0	0.889303	2.15778	0	0.959536	2.660668	2.071813	-0.43961	0.48586	0.24499	0.732562	0.600076	NA
ATZG05970	ATZG05970	0	0	0	0	0	0	0.889303	0	0	0	0	1.035907	0	NA	0.137906	NA	0.15538	NA
ATZG05980	ATZG05980	0	0	0	0	0	0.996841	1.778607	0	0.976246	1.919071	0	1.035907	0.086936	NA	0.459317	NA	0.490957	NA
ATZG05985	ATZG05985	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG05990	MOD1	1005.813	906.397	911.6593	584.3929	586.946	709.7506	674.092	695.884	692.1584	924.0328	740.996	907.4541	-0.58447	9.08E-06	-0.4493	0.001116	-0.13164	0.606829
ATZG05995	ATZG05995	8.322328	3.568492	7.725926	0.412416	0.662467	0.996841	1.778607	4.31556	6.833722	3.838143	5.321336	9.323159	-1.81912	0.002567	-0.44877	0.541822	-0.07419	NA
ATZG06000	ATZG06000	136.724	155.2294	139.0667	133.2102	133.8184	149.5261	122.7239	144.5713	105.4346	108.4275	118.3997	125.3447	-0.04801	0.842513	-0.20157	0.371783	-0.27971	0.38561
ATZG06002	ATZG06002	22.58917	24.97944	14.1642	17.73387	25.17376	12.95893	46.24378	22.65669	38.07359	18.23118	29.26735	19.68222	-0.10525	0.839498	0.735939	0.083216	0.101218	0.920201
ATZG06005	FIP1	36.85602	24.97944	29.61605	42.89122	47.69764	43.86099	37.35052	28.05114	39.04984	34.54328	33.25835	36.25673	0.501878	0.10669	0.162022	0.686026	0.153364	0.825611
ATZG06010	ORGA	114.1348	155.2294	141.642	180.2256	205.3649	192.3903	241.8905	196.358	231.3703	132.4159	101.1054	164.7091	0.485802	0.019649	0.696452	0.000688	-0.02637	0.963148
ATZG06020	ATZG06020	0	0	0	0	0	0	0.889303	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG06025	ATZG06025	474.3727	572.743	687.6074	586.0425	633.3187	540.2877	714.1107	662.4384	754.6382	584.3572	569.3829	685.7701	0.022227	0.919762	0.293019	0.09654	0.084701	0.809997
ATZG06040	ATZG06040	80.84547	99.91778	73.3963	65.16166	57.63465	69.77885	65.80846	62.57562	48.8123	82.52006	61.19536	74.58527	-0.37691	0.130197	-0.48559	0.063279	-0.18727	0.694094
ATZG06045	ATZG06045	1.188904	0	0	1.237247	1.324935	0	6.225124	2.15778	0	1.919071	3.991002	0	0.138908	0.857357	0.781678	0.244597	0.509895	NA
ATZG06050	OPR3	265.1256	224.815	254.9556	720.9024	655.1801	707.757	698.1032	813.483	1055.322	285.9416	271.3881	252.7612	1.449108	3.74E-19	1.743939	2.27E-27	0.112623	0.768141
ATZG06060	ATZG06060	0	0	0	0	0	0	0.889303	0	0	0	1.330334	0	0	NA	0.141773	NA	0.183636	NA
ATZG06070	ATZG06070	0	1.784246	0	0	0	0	0.889303	1.07889	0.976246	0	5.321336	1.035907	-0.41299	0.509915	0.220856	0.757922	0.604217	NA
ATZG06080	ATZG06080	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
ATZG06090	ATZG06090	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG06095	ATZG06095	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG06100	ATZG06100	1.188904	0	0	0	0	0.996841	0	0	0	0	0	1.035907	-0.05851	NA	-0.21424	NA	-0.02687	NA
ATZG06110	ATZG06110	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG06120	ATZG06120	0	0	0	0.662467	0	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
ATZG06125	ATZG06125	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG06130	ATZG06130	0	0	0	0.412416	0.662467	0	0	0	0	0	1.330334	0	0.213241	NA	0	NA	0.204858	NA
ATZG06140	ATZG06140	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
ATZG06150	ATZG06150	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
ATZG06160	ATZG06160	0	0	0	0	0	2.66791	0	0	0	0	0	0	0	NA	0.335767	NA	0	NA
ATZG06165	ATZG06165	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
ATZG06166	ATZG06166	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG06170	ATZG06170	0	0	0	0.662467	1.778607	0	0.976246	0	0.976246	1.330334	0	0	0.08009	NA	0.457328	NA	0.194104	NA
ATZG06180	ATZG06180	0	0	0	0	0	0	0	0	0.959536	0	1.035907	0	0	NA	0	NA	0.332992	NA
ATZG06190	ATZG06190	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG06200	GRF6	8.322328	12.48972	7.725926	9.897974	14.57428	8.971567	2.66791	3.23667	6.833722	5.757214	5.321336	4.143626	0.251912	0.684611	-0.84287	0.162662	-0.65726	NA
ATZG06210	VIP6	460.1058	406.8081	404.3235	284.9792	277.5738	302.0428	349.4963	380.8481	355.3535	367.5021	379.1452	398.824	-0.55664	6.26E-06	-0.22938	0.105661	-0.15186	0.512274
ATZG06220	ATZG06220	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG06230	ATZG06230	0	0	0	0	0	0.889303	0	0	0	0	0	1.035907	0	NA	0.137906	NA	0.15538	NA
ATZG06235	ATZG06235	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
ATZG06240	ATZG06240	0	0	0	0.662467	0	0.889303	0	0	0	0	1.330334	0	0.09913	NA	0.145297	NA	0.18929	NA
ATZG06245	ATZG06245	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG06250	ATZG06250	0	0	0	0	0	0.889303	0	0	0	0	0	1.035907	0	NA	0.137906	NA	0.15538	NA
ATZG06255	EFL3	20.21137	28.54794	23.17778	58.97543	47.69764	43.86099	52.46891	39.91893	67.36097	17.27164	15.96401	17.61041	1.027673	0.001404	0.192717	0.000935	-0.42423	0.519436
ATZG06260	ATZG06260	0	0	0	0	0	0	0	0	0.959536	0	0	0	0	NA	0	NA	0.171512	NA
ATZG06270																			

AT2G07420	AT2G07420	1.188904	1.784246	0	0	0	0	0	0	0.976246	0	1.330334	2.071813	-0.57989	NA	-0.30195	NA	0.096811	NA
AT2G07430	AT2G07430	0	0	0	0	0	0	0	0.889303	0	0	0	0	0	NA	0.160764	NA	0	NA
AT2G07440	AT2G07440	0	1.784246	3.862963	0.412416	0	0	0.996841	0	0	2.878607	1.330334	0	-0.60879	0.33134	-0.83578	0.165804	-0.17272	NA
AT2G07450	AT2G07450	0	0	0	0	0	0	0	0.889303	0	0	0	0	0	NA	0.160764	NA	0	NA
AT2G07455	AT2G07455	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G07460	AT2G07460	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	NA	0.16673	NA	0	NA
AT2G07470	AT2G07470	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G07480	AT2G07480	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0.172362	NA
AT2G07483	AT2G07483	0	0	0	0.412416	0.662467	0	0	0	0	0	0	1.035907	0.210648	NA	0	NA	0.178505	NA
AT2G07486	AT2G07486	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G07490	AT2G07490	0	0	0	0	0	0	0.889303	1.07889	0	0	0	0	0	NA	0.3225	NA	0	NA
AT2G07500	AT2G07500	1.188904	0	0	0	0	0	0.889303	0	0	0	0	1.035907	-0.2447	NA	-0.0484	NA	-0.02732	NA
AT2G07505	AT2G07505	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G07510	AT2G07510	1.188904	0	0	0	0	0	0	0	0.976246	0	0	1.035907	-0.24535	NA	-0.04001	NA	-0.02753	NA
AT2G07520	AT2G07520	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT2G07521	AT2G07521	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G07530	AT2G07530	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT2G07540	AT2G07540	1.188904	0	0	0	1.324935	0	1.778607	1.07889	1.952492	0	0	0	-0.02163	NA	0.532544	NA	-0.25771	NA
AT2G07550	AT2G07550	0	0	0	0	0	0	1.778607	0	0.976246	0	0	0	0	NA	0.449696	NA	0	NA
AT2G07560	AHA6	0	14.27397	0	0.412416	0	0	0.889303	0	0	0.959536	2.660668	1.035907	-1.25621	0.034016	-1.11827	0.067749	-0.64724	NA
AT2G07570	AT2G07570	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT2G07580	AT2G07580	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0.172362	NA
AT2G07590	AT2G07590	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G07599	AT2G07599	3.566712	1.784246	1.287654	3.299325	2.649869	1.993682	0.889303	0	3.904984	0.959536	1.330334	0	0.186298	0.819272	-0.2159	0.800117	-0.58207	NA
AT2G07600	AT2G07600	2.377808	7.136984	5.150617	0.412416	4.637271	1.993682	12.45025	1.07889	6.833722	1.919071	7.982004	4.143626	-0.60375	0.392312	0.353157	0.65596	-0.03494	NA
AT2G07620	AT2G07620	0	0	1.287654	0	0	0	0.889303	1.07889	0	0.959536	0	2.071813	-0.34723	NA	0.108591	NA	0.294331	NA
AT2G07630	AT2G07630	0	0	0	0	0	0	0	0	0	0	2.660668	0	0	NA	0	NA	0.322821	NA
AT2G07635	AT2G07635	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G07640	AT2G07640	9.511232	12.48972	15.45185	21.44561	22.52389	17.94313	16.00746	20.49891	20.50117	10.55489	10.64267	20.71813	0.650303	0.13971	0.521532	0.287873	0.145383	0.88731
AT2G07650	AT2G07650	0	0	0	0.412416	0.662467	0	0	0	0	0	0	1.035907	0.210648	NA	0	NA	0.178505	NA
AT2G07660	AT2G07660	1.188904	0	0	0	0	0	0	1.07889	1.952492	0	0	0	-0.27854	NA	0.282008	NA	-0.23202	NA
AT2G07663	AT2G07663	1.188904	0	0	1.237247	1.987402	0	0.889303	0	0.976246	0	0	0	0.364614	NA	0.097081	NA	-0.2502	NA
AT2G07664	AT2G07664	0	0	0	0	0	0	0	0	0.976246	0	1.330334	1.035907	0	NA	0.170848	NA	0.383711	NA
AT2G07666	AT2G07666	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT2G07667	AT2G07667	10.70014	1.784246	0	1.237247	3.312336	0.996841	0	1.07889	3.904984	1.919071	3.991002	5.179533	-0.60079	0.401981	-0.64838	0.382791	-0.11907	NA
AT2G07669	AT2G07669	2.377808	1.784246	0	0.412416	1.324935	0	0.889303	1.07889	0	0	0	0	-0.32614	NA	-0.29928	NA	-0.67163	NA
AT2G07670	AT2G07670	1.188904	0	1.287654	0	0	0	0.889303	0	0	0	0	0	-0.47657	NA	-0.252	NA	-0.43611	NA
AT2G07671	AT2G07671	35.66712	64.23286	32.19136	47.84021	64.92179	47.84836	40.01866	29.13003	78.09968	38.38143	47.89202	49.72351	0.282888	0.497858	0.169276	0.72381	0.059015	0.951396
AT2G07672	AT2G07672	1.188904	0	1.287654	0.412416	0	0	0.889303	0	0	0	1.330334	0	-0.3877	NA	-0.2706	NA	-0.22077	NA
AT2G07673	AT2G07673	0	1.784246	0	0.412416	0	0	0	0	0.959536	0	0	0	-0.17674	NA	-0.26494	NA	-0.07273	NA
AT2G07674	AT2G07674	4.755616	1.784246	2.575309	0.824831	0.662467	0.996841	1.778607	1.07889	0	0	0	2.071813	-0.84943	0.204976	-0.74388	0.291396	-0.85884	NA
AT2G07675	AT2G07675	13.07794	16.05821	9.01358	19.79595	15.89921	16.94629	8.003731	15.10446	31.23987	9.595356	3.991002	13.46678	0.41136	0.457731	0.433959	0.459845	-0.34934	NA
AT2G07676	AT2G07676	0	0	0	0	1.987402	0	0	0	1.07889	2.928738	0	0	0.286412	NA	0.524207	NA	0	NA
AT2G07677	AT2G07677	10.70014	8.92123	2.575309	10.31039	12.58688	4.984204	13.33955	2.15778	5.857476	11.51443	10.64267	6.215439	-0.275997	0.683362	-0.01905	0.980879	0.261128	NA
AT2G07678	AT2G07678	1.188904	1.784246	1.287654	2.474493	5.299738	1.993682	1.778607	3.23667	9.282738	1.919071	1.330334	2.071813	0.637931	0.364151	0.415808	0.598024	0.132185	NA
AT2G07680	ATMRP11	248.4809	228.3835	231.7778	100.217	108.6446	118.6241	108.495	135.9401	57.59851	190.9476	227.4871	195.7863	-1.07871	3.4E-06	-1.18619	3.4E-06	-0.20206	0.657529
AT2G07681	AT2G07681	3.566712	3.568492	0	3.299325	3.312336	1.993682	2.66791	2.15778	5.857476	4.797678	6.65167	6.215439	0.151316	0.849649	0.332674	0.675033	0.819962	NA
AT2G07682	AT2G07682	3.566712	5.352738	2.575309	3.71174	5.299738	3.987363	9.782338	7.55223	1.952492	0	1.330334	4.143626	0.137552	0.863244	0.536779	0.465517	-0.53748	NA
AT2G07683	AT2G07683	4.755616	8.92123	1.287654	4.536571	5.962205	3.987363	2.66791	3.23667	1.952492	1.919071	2.660668	4.143626	0.058332	0.943829	-0.53059	0.473394	-0.43576	NA
AT2G07684	AT2G07684	1.188904	0	2.575309	0.824831	0.662467	0.996841	0.889303	0	0.976246	1.919071	3.991002	1.035907	-0.27377	0.720253	-0.34011	0.658333	0.352395	NA
AT2G07685	AT2G07685	0	0	0	0	0	0	0.889303	1.07889	1.952492	0	3.991002	0	0	NA	0.601846	NA	0.552517	NA
AT2G07686	AT2G07686	0	3.568492	0	0	1.324935	1.993682	2.66791	0	3.904984	0.959536	2.660668	1.035907	-0.04945	0.952296	0.401508	0.591164	0.162797	NA
AT2G07687	COX3	3.566712	10.70548	7.725926	12.37247	19.87402	14.95261	8.893035	7.55223	15.61994	12.47396	5.321336	7.251346	0.930664	0.071647	0.459143	0.459344	0.198317	NA
AT2G07688	AT2G07688	85.60108	99.91778	32.19136	58.1506	75.52127	73.76622	67.58706	65.81229	97.6246	43.1791	35.91902	85.98024	-0.05705	0.908615	0.088867	0.863336	-0.34296	0.625371
AT2G07689	AT2G07689	4.755616	3.568492	1.287654	2.886909	7.28714	5.981405	5.335821	2.15778	5.857476	1.919071	1.330334	4.143626	0.466145	0.508492	0.302024	0.700542	-0.20297	NA
AT2G07690	MCM5	208.0582	167.7191	127.2758	155.4087	166.4914	160.4914	112.0552	130.5457	119.102	234.1267	203.5411	227.8994	-0.59556	0.000614	0.274945	0.305041	0.274945	0.305041
AT2G07691	AT2G07691	0	0	0	0	0.662467	0	1.778607	0	0	0.959536	2.660668	0	0.064082	NA	0.285865	NA	0.504154	NA
AT2G07692	AT2G07692	0	0	1.287654	0.412416	1.324935	0.996841	1.778607	2.15778	0.976246	1.919071	1.330334	0	0.172132	0.821618	0.531079	0.449352	0.287169	NA
AT2G07693	AT2G07693	2.377808	1.784246	2.575309	3.71174	3.24935	0.996841	1.778607	5.39445	0	0.959536	1.330334	4.143626	-0.03698	0.966029	0.019885	0.981997	-0.03348	NA
AT2G07694	AT2G07694	0	0	0	0.824831	0	0.996841	0	2.15778	0	0	0	2.071813	0.262902	NA	0.297575	NA	0.3015	NA
AT2G07695	AT2G07695	4.755616	3.568492	5.150617	5.361402	4.637271	3.987363	4.446517	6.47334	6.833722	5.757214	7.982004	0	0.033526	0.966796	0.255391	0.744944	-0.0271	NA
AT2G07696	RP57	2.377808	1.784246	1.287654	3.299325	3.974804	3.987363	3.557214	5.39445	6.833722	0.959536	9.312338	3.10772	0.503559	0.480293	0.838165	0.229181	0.616004	NA
AT2G07697</																			

AT2G07740	AT2G07740	0	0	0	0.412416	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA			
AT2G07741	ATP6-1	7.133424	1.784246	2.575309	7.835896	5.962205	3.987363	8.893035	4.31556	4.88123	5.757214	7.982004	7.251346	0.406857	0.542293	0.393903	0.584797	0.530523	NA		
AT2G07742	AT2G07742	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA		
AT2G07743	AT2G07743	0	0	0	0.412416	0	0	0	0	0	0.959536	0	0	0	0.066171	NA	0	NA	0.145274	NA	
AT2G07744	AT2G07744	0	0	0	0	0.662467	0	0	0	0	0	1.330334	0	0.101524	NA	0	NA	0	0.179327	NA	
AT2G07745	AT2G07745	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA	NA	
AT2G07746	AT2G07746	0	0	0	0	0	0	0	0	0	0.959536	0	0	0	0	NA	0	NA	0	0.171512	NA
AT2G07747	AT2G07747	2.377808	3.568492	1.287654	2.474493	1.987402	0	0.889303	2.15778	4.88123	0	0	4.143626	-0.23535	0.76761	0.090997	0.917233	-0.28902	NA	NA	
AT2G07748	AT2G07748	2.377808	1.784246	2.575309	2.062078	5.299738	0.996841	2.66791	2.15778	1.952492	1.919071	1.330334	5.179533	0.174308	0.83066	-0.01248	0.988751	0.170767	NA	NA	
AT2G07749	AT2G07749	5.94452	7.136984	1.287654	0.412416	0	0	0.889303	2.15778	0	0.959536	1.330334	4.143626	-1.6643	0.007693	-1.09027	0.108894	-0.62391	NA	NA	
AT2G07750	RH33	1.188904	10.70548	12.87654	8.248311	7.28714	8.971567	9.782338	3.23667	9.76246	6.716749	1.330334	11.39497	0.01595	0.983878	-0.04801	0.953207	-0.19012	NA	NA	
AT2G07751	AT2G07751	4.755616	5.352738	3.862963	5.361402	7.28714	5.981045	0.889303	7.55223	4.88123	6.716749	2.660668	3.10772	0.308363	0.664663	-0.06539	0.93877	-0.07595	NA	NA	
AT2G07752	AT2G07752	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	NA
AT2G07753	AT2G07753	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	NA
AT2G07754	AT2G07754	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	NA
AT2G07755	AT2G07755	0	1.784246	0	0.412416	0.662467	0	0.889303	0	0	0	0	0	-0.04506	NA	-0.09397	NA	-0.27592	NA	NA	NA
AT2G07756	AT2G07756	0	1.784246	0	0	0	0	0.889303	1.07889	0.976246	0.959536	1.330334	0	-0.41264	NA	0.267707	NA	0.132561	NA	NA	NA
AT2G07757	AT2G07757	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	NA
AT2G07758	AT2G07758	2.377808	0	0	0	0	0	0	0	0	0	0	0	-0.32938	NA	-0.31889	NA	-0.31551	NA	NA	NA
AT2G07759	AT2G07759	0	0	0	0	0	0	0.889303	0	0	0.959536	0	0	0	NA	0.13694	NA	0.147196	NA	NA	NA
AT2G07760	AT2G07760	0	0	0	0	0	0	0	0	0	0.959536	0	0	0	NA	0	NA	0.171512	NA	NA	NA
AT2G07761	AT2G07761	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA	NA	NA
AT2G07762	AT2G07762	0	0	0	0.824831	0	0	0	0	0	0	1.330334	0	0.140102	NA	0	NA	0.173173	NA	NA	NA
AT2G07763	AT2G07763	0	1.784246	0	0	0	0	0	0	0	0	1.330334	0	-0.27254	NA	-0.25305	NA	-0.03925	NA	NA	NA
AT2G07764	AT2G07764	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA	NA	NA
AT2G07765	AT2G07765	0	0	0	1.237247	0	0.996841	0.889303	0	0	0	1.330334	0	0.387202	NA	0.142372	NA	0.190356	NA	NA	NA
AT2G07766	AT2G07766	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	NA
AT2G07767	AT2G07767	1.188904	1.784246	0	0.824831	2.649869	0	3.557214	0	1.952492	0.959536	1.330334	0	0.098451	0.902149	0.354049	0.636508	-0.0984	NA	NA	NA
AT2G07768	AT2G07768	1.188904	1.784246	1.287654	1.649662	1.987402	0	2.66791	2.15778	1.952492	0	2.660668	2.071813	-0.05431	0.950228	0.323152	0.687042	0.036963	NA	NA	NA
AT2G07769	AT2G07769	0	0	0	0	0	0	0	0	1.07889	0.976246	0.959536	0	0	NA	0.341656	NA	0.658829	NA	NA	NA
AT2G07770	AT2G07770	0	0	0	0	0	0	0.996841	0.889303	0	0	0	0	0.133397	NA	0.133015	NA	0	NA	NA	NA
AT2G07771	CCMC	1.188904	1.784246	0	1.237247	1.987402	0.996841	1.778607	0	1.952492	0.959536	1.330334	2.071813	0.209353	0.789226	0.138084	0.87097	0.212307	NA	NA	NA
AT2G07772	AT2G07772	2.377808	1.784246	1.287654	1.649662	0.662467	0.996841	0	1.07889	0.976246	0.959536	0	2.071813	-0.25612	0.740695	-0.50457	0.489291	-0.29856	NA	NA	NA
AT2G07773	AT2G07773	1.188904	5.352738	1.287654	4.124156	4.637271	2.990522	4.446517	1.07889	1.952492	1.919071	2.660668	1.035907	0.460721	0.527054	0.042607	0.962284	-0.19535	NA	NA	NA
AT2G07774	AT2G07774	26.15589	17.84246	18.02716	34.64291	33.78583	30.90206	21.34328	20.49891	59.55101	21.10978	17.29434	12.43088	0.589716	0.18661	0.609493	0.196149	-0.25607	0.780918	NA	NA
AT2G07775	AT2G07775	0	0	0	0.824831	1.987402	0	0.889303	1.07889	0.976246	0	2.660668	0	0.481321	NA	0.462704	NA	0.375791	NA	NA	NA
AT2G07776	AT2G07776	2.377808	1.784246	1.287654	2.062078	2.649869	0.996841	0.778607	6.47334	0.976246	0.959536	2.660668	1.035907	0.040234	0.963026	0.373901	0.640631	-0.13309	NA	NA	NA
AT2G07777	AT2G07777	21.40027	10.70548	9.01358	11.13522	13.24935	13.95577	10.67164	12.94668	20.50117	4.797678	10.64267	6.215439	-0.11763	0.844524	0.065701	0.920981	-0.79321	NA	NA	NA
AT2G07778	AT2G07778	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA	NA	NA
AT2G07779	AT2G07779	2.377808	0	0	2.474493	2.649869	3.987363	0	2.15778	3.904984	3.838143	2.660668	1.035907	0.704617	0.309241	0.382573	0.629847	0.552617	NA	NA	NA
AT2G07780	AT2G07780	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA	NA	NA
AT2G07783	AT2G07783	53.50068	35.68492	42.49259	63.512	77.50867	34.88943	28.45771	17.26224	79.07593	47.01725	54.54369	38.32854	0.368576	0.446307	-0.07337	0.902384	0.064379	0.955245	NA	NA
AT2G07784	AT2G07784	2.377808	0	0	1.237247	0	0	0	0	0	0	0	0	-0.13354	NA	-0.33989	NA	-0.03994	NA	NA	NA
AT2G07785	AT2G07785	9.511232	3.568492	2.575309	2.062078	0.662467	2.990522	4.446517	2.15778	3.904984	0.959536	1.330334	2.071813	-0.36398	0.176866	0.363998	0.646625	-0.53627	NA	NA	NA
AT2G07786	AT2G07786	0	3.568492	1.287654	3.71174	4.299738	1.993682	3.557214	3.23667	3.904984	1.919071	2.660668	4.143626	0.703318	0.350185	0.636297	0.389176	0.450344	NA	NA	NA
AT2G07787	AT2G07787	3.566712	0	6.438272	4.536571	5.962205	1.993682	3.557214	2.15778	1.952492	3.838143	2.660668	1.035907	0.200422	0.800187	-0.26035	0.753912	-0.272	NA	NA	NA
AT2G07788	AT2G07788	0	0	0	0	0	0	0	0	0.976246	0	0	0	0	NA	0.16673	NA	0	NA	NA	NA
AT2G07789	AT2G07789	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	NA
AT2G07790	AT2G07790	0	0	0	0	0	0	1.07889	0	0	0	0	0	0	NA	0.16673	NA	0	NA	NA	NA
AT2G07791	AT2G07791	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA	NA	NA
AT2G07792	AT2G07792	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA	NA	NA
AT2G07793	AT2G07793	0	0	0	0	0	0	0	0	0	0.959536	0	0	0	NA	0	NA	0.171512	NA	NA	NA
AT2G07794	AT2G07794	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA	NA	NA
AT2G07795	AT2G07795	1.188904	1.784246	0	0.412416	0	0	1.778607	0	0	0.959536	0	0	-0.40882	NA	-0.12588	NA	-0.26952	NA	NA	NA
AT2G07798	AT2G07798	3.566712	3.568492	2.575309	2.474493	1.987402	5.981045	0.889303	5.39445	4.88123	4.797678	2.660668	1.035907	0.014691	0.986802	0.11001	0.899772	-0.09569	NA	NA	NA
AT2G07799	AT2G07799	2.377808	1.784246	1.287654	0.412416	1.324935	0.996841	2.66791	1.07889	0.976246	0.959536	0	1.035907	-0.43428	0.551017	-0.06071	0.944463	-0.48088	NA	NA	NA
AT2G07806	AT2G07806	1.188904	0	2.575309	1.649662	2.649869	0	0.889303	2.15778	1.952492	0.959536	3.991002	1.035907	0.0641	0.940708	0.111035	0.898199	0.199789	NA	NA	NA
AT2G07807	AT2G07807	0	0	0	0	0	0	0.996841	0.889303	0	0	0	0	0.133397	NA	0.133015	NA	0	NA	NA	NA
AT2G07808	AT2G07808	5.94452	5.352738	9.01358	3.299325	1.324935	2.990522	1.778607	4.31556	2.928738	3.838143	5.321336	9.323159	-0.96662	0.117391	-0.81081	0.227761	-0.09638	NA	NA	NA
AT2G07809	AT2G07809	1.188904	0	0	0.412416	1.324935	0.996841	0	0	0	0	0	0	0.291684	NA	-0.26635	NA	-0.25383	NA	NA	NA
AT2G0781																					

AT2G13400	AT2G13400	1.188904	0	0	0.412416	0.662467	0	0.889303	0	0	0	0	0	0	-0.00593	NA	-0.05489	NA	-0.23354	NA
AT2G13410	AT2G13410	5.94452	0	2.575309	2.062078	0	2.990522	5.335821	4.31556	3.904984	1.919071	5.321336	1.035907	-0.48012	0.513623	0.353483	0.659812	-0.11039	NA	
AT2G13420	AT2G13420	20.21137	24.97944	28.3284	15.67179	14.57428	23.92418	19.56468	21.5778	17.57243	16.31211	11.97301	13.46678	-0.42846	0.298211	-0.28719	0.541822	-0.7058	0.256453	
AT2G13422	AT2G13422	0	0	1.287654	0	0.662467	1.993682	0	0	0	0	0	1.035907	0.191603	NA	-0.24645	NA	-0.04338	NA	
AT2G13430	AT2G13430	0	1.784246	0	0	0.662467	0.996841	0	0	0	0	0	0	0.034784	NA	-0.2741	NA	-0.26587	NA	
AT2G13431	AT2G13431	1.188904	0	2.575309	0	1.324935	0.996841	1.778607	0	0.976246	4.797678	3.991002	0	-0.29841	0.686567	-0.15717	0.848634	0.491063	NA	
AT2G13440	AT2G13440	441.0834	335.4383	387.584	258.5846	252.4	253.1976	276.5734	294.537	289.9451	332.9589	320.6105	334.5978	-0.60677	5.556-06	-0.43843	0.002068	-0.24041	0.282188	
AT2G13450	AT2G13450	1.188904	0	2.575309	0	1.987402	1.993682	1.778607	0	0.976246	0	0	0	-0.13562	0.984612	-0.13833	0.860316	-0.23427	NA	
AT2G13460	AT2G13460	0	1.784246	0	0	0	0.996841	0.889303	0	0	0	1.330334	0	-0.11867	NA	-0.0954	NA	-0.048	NA	
AT2G13463	AT2G13463	0	0	0	0	0	0	0	0	0	0	1.330334	1.035907	0	NA	0	NA	0.375122	NA	
AT2G13469	AT2G13469	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT2G13470	AT2G13470	0	0	0	0	0	0	0	0	0.959536	0	1.035907	0	0	NA	0	NA	0.332992	NA	
AT2G13480	AT2G13480	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	NA	0.16673	NA	0	NA	
AT2G13490	AT2G13490	0	0	0	0	0.662467	0	0	0	0	0	2.660668	1.035907	0.093579	NA	0	NA	0.54659	NA	
AT2G13500	AT2G13500	0	0	0	0	0	0	1.07889	0	0	1.330334	0	0	0	NA	0.160793	NA	0.184979	NA	
AT2G13510	AT2G13510	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT2G13520	AT2G13520	2.377808	3.568492	0	0	2.649869	0	0	0	0	0	0	0	-0.29504	NA	-0.71843	NA	-0.70447	NA	
AT2G13530	AT2G13530	1.188904	0	0	0	0	0	0.889303	0	0	0	0	0	-0.20902	NA	-0.03919	NA	-0.19148	NA	
AT2G13540	AH1	470.806	417.5136	419.7753	355.0898	320.6342	365.8406	394.8507	391.637	260.6577	405.8836	397.7699	402.9676	-0.32506	0.069715	-0.31652	0.093671	-0.11563	0.744238	
AT2G13542	AT2G13542	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT2G13547	AT2G13547	0	0	0	0	0	0.996841	0	0	0.976246	0	0	0	0.133781	NA	0.142196	NA	0	NA	
AT2G13550	AT2G13550	52.31177	35.68492	45.0679	32.16841	39.08557	35.88627	23.21189	23.73558	18.23118	19.95501	38.32854	-0.30947	0.389786	-0.8649	0.1013074	-0.74449	0.13032	0.075062	
AT2G13560	NAD-ME1	1209.115	1282.873	1130.561	1204.666	1096.383	1259.01	1047.6	1197.568	1172.471	916.3565	838.1104	1094.953	-0.02427	0.895174	-0.08236	0.637767	-0.33958	0.075062	
AT2G13570	NYF87	5.94452	1.784246	6.438272	1.649662	2.649869	0	4.446517	2.15778	0	7.676285	5.321336	4.143626	-0.95104	0.150343	-0.65041	0.375941	0.174659	NA	
AT2G13580	AT2G13580	9.511232	12.48972	6.438272	6.598649	6.624673	5.981045	7.114428	5.39445	8.786214	6.635821	6.65167	8.287252	-0.42074	0.470685	-0.29851	0.651047	-0.17719	NA	
AT2G13590	AT2G13590	0	1.784246	0	0	0.662467	0	0	0	0	0	0	0	-0.12017	NA	-0.24312	NA	-0.23848	NA	
AT2G13600	PCMP-E76	38.04493	42.8219	51.50617	40.41673	36.4357	42.86415	35.57214	46.39227	44.90732	35.50282	19.95501	32.1131	-0.13905	0.699009	-0.0609	0.88444	-0.53214	0.278295	
AT2G13610	ABC65	162.8798	173.0719	177.6963	95.68041	93.40789	114.6367	109.3843	117.599	129.8407	149.6876	175.6041	161.6014	-0.75501	1.06E-05	-0.51405	0.005517	-0.07839	0.84833	
AT2G13620	CHX15	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	NA	0.16673	NA	0	NA	
AT2G13623	AT2G13623	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT2G13630	AT2G13630	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA	
AT2G13640	AT2G13640	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT2G13650	GONST1	146.2352	132.0342	173.8333	225.1789	231.2011	247.2165	196.5361	194.2002	174.748	105.5489	143.6761	96.33931	0.614713	0.000684	0.308287	0.1411399	-0.39795	0.181158	
AT2G13660	AT2G13660	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.098893	NA	0	NA	0.150283	NA	
AT2G13665	AT2G13665	2.377808	0	0	2.886909	2.649869	4.984204	1.778607	3.23667	2.928738	3.838143	0	4.143626	0.820639	0.227829	0.582022	0.439233	0.630005	NA	
AT2G13680	CALL5	15.45575	5.352738	6.438272	2.062078	5.962205	2.990522	5.335821	1.07889	2.928738	16.31211	10.64267	10.35907	-1.00383	0.085841	-1.06818	0.084341	0.35292	NA	
AT2G13690	PR11-IFG	92.73451	78.50683	82.40988	70.52306	60.28452	62.80097	56.91542	61.49673	69.31347	94.03449	87.80204	80.80071	-0.37526	0.103121	-0.42848	0.081791	0.043059	0.940043	
AT2G13700	AT2G13700	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT2G13705	AT2G13705	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT2G13706	AT2G13706	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT2G13710	AT2G13710	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT2G13720	AT2G13720	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT2G13730	AT2G13730	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT2G13740	AT2G13740	0	1.784246	0	0	0	0	0	0	0.959536	1.330334	0	0	-0.3228	NA	-0.28766	NA	0.130533	NA	
AT2G13750	AT2G13750	0	0	0	0	0.662467	0	0.889303	2.15778	0	0.959536	0	0	0.080684	NA	0.481986	NA	0.164505	NA	
AT2G13760	AT2G13760	1.188904	1.784246	0	5.361402	3.312336	1.993682	0	1.07889	1.952492	0.959536	0	0	0.97033	0.137837	-0.00092	0.999026	-0.31204	NA	
AT2G13770	AT2G13770	1.188904	0	1.287654	0.412416	0	0.996841	0	0	0	0	1.330334	0	-0.20118	NA	-0.48194	NA	-0.22811	NA	
AT2G13790	SERK4	422.0609	519.2156	437.8025	819.4667	732.6888	971.9198	562.0398	641.9395	489.0992	325.2826	280.7005	299.377	0.859408	4.23E-08	0.294051	0.109496	-0.58855	0.005202	
AT2G13800	SERK5	217.5694	246.226	263.9691	447.4709	389.5308	418.6731	281.9092	292.3792	303.6125	154.4852	162.3007	175.0682	0.78191	1.35E-08	0.268685	0.10242	-0.55341	0.004319	
AT2G13810	ALD1	14.26685	16.05821	23.17778	52.37678	41.07297	49.84204	182.3072	141.3346	129.8407	10.55489	13.30334	14.50269	1.294262	3.84E-05	2.898098	2.00E-23	-0.43239	0.526159	
AT2G13820	AT2G13820	123.646	51.74313	104.3	54.02644	51.67245	39.87365	26.6791	30.20892	61.5035	103.6298	111.7481	89.08766	-0.15789	0.007741	-0.17897	0.000558	0.097478	0.89957	
AT2G13830	AT2G13830	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT2G13840	AT2G13840	74.90095	92.78079	70.82099	80.00862	87.44568	75.7599	76.4801	76.60119	72.2422	70.0461	66.5167	75.62118	0.047007	0.868168	-0.06421	0.834742	-0.14454	0.757425	
AT2G13850	AT2G13850	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT2G13851	AT2G13851	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT2G13860	AT2G13860	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA	
AT2G13865	AT2G13865	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT2G13870	AT2G13870	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA	
AT2G13890	AT2G13890	0	0	0	0	0	0.889303	1.07889	0	0	0	0	0	0	NA	0.3225	NA	0	NA	
AT2G13895	AT2G13895	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT2G13900	AT2G13900	0	1.784246	0	0.412416	0.662467	0	0	0	0	0	0	1.035907	-0.04598	NA	-0.28771	NA	-0.07023	NA	
AT2G13910	AT2G13910	0	0	0	0.412416	1.987402	0	0.889303	1.07889	0	0	0	1.035907	0.425012	NA	0.321097	NA	0.16824	NA	
AT2G13920	AT2G13920	1.188904	0	0	0	0	0.889303	0	0	0	0	0	0	-0.20902	NA	-0.03919	NA	-0.19148	NA	
AT2G13930	AT2G13930	0	0	0	0	0.662467	0	0.889303	2.15778	0	0	2.660668	0	0.061635	NA	0.445724	NA	0.360852	NA	
AT2G13940	AT2G13940	0	1.784246	0	0	0	0.996841	0	0	0										

AT2G15890	MEE14	1891.546	2738.818	2388.599	3656.476	4724.717	4451.891	8914.378	8421.815	10854.88	2680.943	3081.053	2864.282	0.854505	1.61E-07	1.969036	1.15E-36	0.292491	0.283289
AT2G15900	AT2G15900	316.2484	289.0479	311.6124	195.8974	202.715	282.1059	352.1642	346.3237	191.3442	286.9012	264.7365	255.8689	-0.42332	0.08154	-0.04291	0.895829	-0.17753	0.69981
AT2G15910	AT2G15910	205.6804	196.2671	231.7778	446.2337	436.5659	348.8943	299.6953	296.6947	482.2655	257.1555	309.9678	252.7612	0.930244	6.8E-06	0.740781	0.000592	0.353865	0.314301
AT2G15920	AT2G15920	0	1.784246	0	0	0	0	0.889303	3.23667	0	0	0	2.071813	-0.33034	NA	0.34173	NA	0.082421	NA
AT2G15930	AT2G15930	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G15940	AT2G15940	2.377808	3.568492	1.287654	3.71174	3.974804	7.974726	1.778607	1.07889	0.976246	0.959536	1.330334	2.071813	0.753882	0.268447	-0.40283	0.613095	-0.32169	NA
AT2G15950	AT2G15950	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G15960	AT2G15960	706.2089	620.9176	745.5519	1308.595	1427.617	1117.459	1904.888	1360.48	3249.923	882.7728	1532.545	1199.58	0.847815	0.001858	1.56789	1.41E-09	0.758984	0.037456
AT2G15970	COR413PM1	1712.022	1721.797	1703.567	1279.726	1413.043	1132.411	1408.657	1262.301	1850.962	1994.875	2435.841	1779.687	-0.41623	0.019494	-0.18019	0.387991	0.267626	0.347575
AT2G15980	AT2G15980	73.71204	42.8219	39.91728	46.19054	42.39791	23.92418	33.79353	37.76115	47.83605	30.70514	35.91902	38.32854	-0.42436	0.232327	-0.37653	0.331923	-0.5486	0.310396
AT2G15990	AT2G15990	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G16000	AT2G16000	0	0	0	0	0	0	0	1.07889	0	0	1.330334	0	0	NA	0.160793	NA	0.184979	NA
AT2G16005	AT2G16005	0	0	1.287654	0	0	0	0	0	0	1.919071	0	0	-0.2242	NA	-0.20522	NA	0.102493	NA
AT2G16010	AT2G16010	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G16015	AT2G16015	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G16016	AT2G16016	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G16018	AT2G16018	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G16019	AT2G16019	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G16020	AT2G16020	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G16030	AT2G16030	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT2G16040	AT2G16040	0	0	0	0	0	0	0	0	0.976246	0	0	0	0	0	0.16673	NA	0	NA
AT2G16050	AT2G16050	52.31177	39.25341	38.62963	71.76031	72.20893	48.8452	55.13682	40.99782	51.74104	51.81492	63.85603	44.54398	0.545043	0.060515	0.165006	0.659701	0.259373	0.639672
AT2G16060	AHB1	29.7226	48.17464	50.21852	97.33008	94.73282	105.6651	34.68284	29.13003	35.14486	29.7456	27.93701	55.93895	1.169734	3.46E-05	-0.33018	0.380359	-0.13792	0.849161
AT2G16070	PDV2	326.9486	303.3218	325.7765	259.8218	261.0121	234.2576	160.9639	194.2002	257.7289	327.2016	364.5115	332.526	-0.33224	0.070439	-0.63147	0.000409	0.093944	0.805282
AT2G16080	AT2G16080	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT2G16090	ARI2	148.613	121.3287	123.6148	124.1371	106.6572	113.6398	124.5025	104.6523	119.102	114.1847	119.7301	121.2011	-0.1896	0.365393	-0.17663	0.443356	-0.15347	0.684244
AT2G16100	AT2G16100	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT2G16110	AT2G16110	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G16120	PLT1	0	0	0	0	0	0	0	0	1.07889	0	0	0	0	NA	0.16673	NA	0	NA
AT2G16130	PLT2	1.188904	0	0	0	0	0	0	0	0	0	1.330334	0	-0.22006	NA	-0.20393	NA	0.001199	NA
AT2G16140	AT2G16140	7.133424	7.136984	5.150617	3.71174	5.962205	2.990522	8.893035	2.15778	1.952492	10.55489	7.982004	9.323159	-0.43572	0.508451	-0.37385	0.605117	0.419373	NA
AT2G16145	MIR416	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT2G16150	AT2G16150	0	0	1.287654	0.412416	0	0	0	0	0.976246	1.919071	3.991002	0	-0.22046	NA	-0.08101	NA	0.590175	NA
AT2G16160	AT2G16160	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G16170	AT2G16170	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G16180	AT2G16180	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G16190	AT2G16190	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT2G16200	AT2G16200	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G16210	AT2G16210	10.70014	7.136984	2.575309	0.824831	1.324935	1.993682	6.225124	7.55223	1.952492	8.635821	6.65167	9.323159	-1.485	0.012953	-0.2696	0.725114	0.225797	NA
AT2G16220	AT2G16220	1.188904	1.784246	0	0	0	0	0	0	0	0	0	0	-0.52101	NA	-0.48526	NA	-0.26349	NA
AT2G16225	AT2G16225	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G16230	AT2G16230	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT2G16240	AT2G16240	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G16245	AT2G16245	0	0	2.575309	0.412416	1.324935	0	1.07889	0.976246	0	1.330334	0	0	-0.12641	NA	-0.09115	NA	-0.22444	NA
AT2G16250	AT2G16250	116.5126	132.0342	99.14938	52.37678	47.03518	88.71883	81.81592	96.0212	40.02609	108.4275	89.13238	83.90843	-0.8444	0.006564	-0.62766	0.061056	-0.27856	0.635812
AT2G16260	GR-RBP1	0	0	0	0.412416	0	0	0	0	0.959536	1.330334	0	0	0.073643	NA	0	NA	0.380623	NA
AT2G16270	AT2G16270	91.5456	82.07532	77.25926	108.0529	87.44568	119.6209	97.82338	110.0468	67.36097	104.5894	115.7391	108.7702	0.308438	0.22281	0.122714	0.692185	0.371393	0.332992
AT2G16280	KCS9	1185.337	1295.363	1250.312	871.0217	948.6531	1133.408	950.6654	1007.683	1060.203	1084.275	1136.105	1204.759	-0.33674	0.010106	-0.30161	0.028014	-0.12116	0.621889
AT2G16290	AT2G16290	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT2G16300	AT2G16300	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160793	NA	0	NA
AT2G16310	AT2G16310	0	1.784246	0	0	0	0	1.778607	1.07889	1.952492	0	2.660668	0	-0.39819	NA	0.499255	NA	0.137219	NA
AT2G16320	AT2G16320	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.137906	NA	0.15538	NA
AT2G16330	AT2G16330	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G16340	AT2G16340	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	NA	0.16673	NA	0.463036	NA
AT2G16360	AT2G16360	26.15589	46.3904	46.35556	116.3012	88.77061	56.81992	25.7898	35.60337	39.04984	68.12703	133.0334	18.64632	0.887881	0.112957	-0.18151	0.804086	0.676876	0.463036
AT2G16365	AT2G16365	386.3938	485.3149	401.7482	770.3923	840.671	842.3305	1334.845	1180.306	1027.987	543.0972	585.3469	526.2405	0.937132	9.66E-12	1.462384	1.48E-27	0.376487	0.070669
AT2G16367	AT2G16367	3.566712	1.784246	1.287654	2.886909	3.974804	2.990522	9.782338	7.55223	15.61994	1.919071	3.991002	6.215439	0.217203	0.776609	1.548014	0.009938	0.431953	NA
AT2G16370	THY-1	342.4043	244.4417	281.9963	328.2828	345.8079	312.0112	360.1679	332.2981	265.5389	275.3867	284.6915	289.0179	0.172479	0.5386817	0.130601	0.5386817	-0.04126	0.924232
AT2G16380	SFH7	297.226	405.0238	364.4062	248.6866	256.3748	292.0743	381.5112	440.1871	410.9996	293.6179	395.1092	336.6696	-0.41143	0.017466	0.210461	0.283273	-0.05405	0.894073
AT2G16385	AT2G16385	0	0	0	0.2062078	0.662467	0	2.66791	1.07889	0.976246	0	0	0	0.522115	NA	0.737454	NA	0	NA
AT2G16390	DRD1	159.3131	123.113	121.0395	91.14384	69.55906	98.68724	77.3694	126.2301	79.07593	110.3466	107.7571	110.842	-0.62347	0.009392	-0.50592	0.05045	-0.28821	0.50127
AT2G16400	BLH7	435.1388	378.2602	392.7346	396.3314	350.4452	415.6826	439.3159	460.686	430.5245	424.1147	462.9562	391.5727	-0.05848	0.734966	0.1357	0.41029	0.076842	0.794533
AT2G16405	AT2G16405	259.1811	262.2842	229.2025	252.8107	250.4126	300.0491	346.8284	283.7481	212.8216	269.6295	290.0128	268.2998	0.092091	0.697627	0.167115	0.473536	0.138115	0.721811
AT2G16410	AT2G16410	0																	

AT2G16760	AT2G16760	0	0	3.862963	0.824831	0	1.993682	2.66791	2.15778	0.976246	4.797678	5.321336	3.10772	-0.30967	0.688107	0.202182	0.813158	0.870279	NA
AT2G16770	b2IP23	72.52314	78.50683	93.99877	104.7536	102.02	87.72199	74.70149	80.91675	72.2422	82.52006	75.82904	92.19568	0.268524	0.248177	-0.10449	0.722681	0.034876	0.953003
AT2G16800	MSI2	171.2022	174.8561	194.4358	204.1457	184.1659	196.3776	128.0597	176.938	160.1043	187.51094	182.2558	151.2424	0.112052	0.060085	-0.2178	0.308872	-0.05501	0.899711
AT2G16790	AT2G16790	29.7226	37.46917	32.19136	61.03751	65.58426	40.87047	74.70149	42.07671	82.98091	40.3005	59.86503	70.44164	0.713048	0.036258	0.941247	0.005658	0.7175	0.150432
AT2G16800	AT2G16800	304.3594	294.4006	258.8185	219.8175	222.589	239.2418	224.1045	261.0914	332.8999	245.6411	242.1208	236.1867	-0.32744	0.06813	-0.06701	0.757265	-0.23875	0.424113
AT2G16810	FBX8	2.377808	0	0	0	0	0	0	0	0	0	0	0	-0.32938	NA	-0.31889	NA	-0.31551	NA
AT2G16820	AT2G16820	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G16830	AT2G16830	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G16832	AT2G16832	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT2G16835	AT2G16835	0	0	0	0	0	0	0	0.976246	0	0	0	0	0	NA	0.16673	NA	0	NA
AT2G16840	AT2G16840	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0	0.172362
AT2G16850	PIP2-8	97.49012	82.07532	88.84815	100.6294	72.8714	84.73147	84.48383	93.86342	85.90965	111.3061	99.77505	96.33931	-0.05041	0.858373	-0.03176	0.919498	0.184542	0.663474
AT2G16860	AT2G16860	423.2498	462.1197	511.1988	568.3087	560.4473	499.4172	496.2313	507.0783	635.5361	489.3632	502.8662	483.7683	0.221628	0.157279	0.227928	0.166896	0.078519	0.80625
AT2G16870	AT2G16870	53.50068	49.95889	60.51975	88.25693	82.80841	99.68408	88.93035	55.02339	56.62227	28.78607	37.24935	45.57989	0.682183	0.011508	0.277874	0.400395	-0.53028	0.246344
AT2G16880	AT2G16880	164.0687	135.6027	141.642	124.9619	139.7806	133.5767	149.403	151.0446	109.3396	148.7286	163.6311	177.14	-0.15454	0.048109	-0.11123	0.657201	0.13849	0.721879
AT2G16881	AT2G16881	0	0	0	0	0	0	0	0	0	0	0	1.330334	0	NA	0	NA	0	0.172362
AT2G16890	UGT90A1	27.34479	16.05821	18.02716	21.44561	18.54908	26.9147	11.56095	14.02557	14.64369	16.31211	14.63367	17.61041	0.078306	0.874995	-0.56661	0.215225	-0.31807	0.685051
AT2G16895	AT2G16895	1.188904	0	0	0.412416	0.662467	0.996841	0.889303	0	2.928738	1.919071	1.330334	0	0.067663	0.930634	-0.384668	0.580067	0.289982	NA
AT2G16900	AT2G16900	174.7689	157.0137	153.2309	170.74	169.5916	172.4535	210.7649	184.4902	227.4653	185.1904	222.1658	171.9605	0.074289	0.732248	0.352073	0.058104	0.241039	0.418112
AT2G16905	AT2G16905	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0	NA	0	0
AT2G16910	AMS	7.133244	12.48972	14.1642	8.248311	5.299738	1.993682	2.66791	0	5.875476	26.867	18.62468	12.43088	-0.76758	0.1819	-1.32763	0.023111	0.675153	0
AT2G16920	UBC23	271.0701	283.6951	225.3395	150.9441	147.0677	157.5008	188.5323	201.7524	137.6507	223.5718	226.1568	236.1867	-0.75881	8.63E-06	-0.5489	0.002488	-0.17776	0.590987
AT2G16930	AT2G16930	172.3911	251.5787	236.9284	362.5133	386.8809	329.9543	351.2749	318.2725	425.6433	268.67	271.3881	236.1867	0.702935	7.18E-05	0.721818	6.14E-05	0.233834	0.47565
AT2G16940	AT2G16940	1167.504	1079.469	1059.74	881.7445	830.734	875.2262	929.3221	896.5575	1072.894	1020.946	932.5641	1084.594	-0.35119	0.00334	-0.18873	0.162075	-0.12054	0.591221
AT2G16950	TRN1	848.8774	658.3688	648.9778	477.5772	476.314	548.2624	554.0361	618.2039	452.0019	581.4786	569.3829	531.42	-0.51755	0.001338	-0.404473	0.0017875	-0.35445	0.721879
AT2G16955	AT2G16955	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G16960	AT2G16960	0	0	0	0	0	0	1.07889	0	0.959536	1.330334	0	0	0	NA	0	NA	0.376568	NA
AT2G16970	MEE15	0	0	0	0.412416	0	1.993682	0	0	0	0	0	0	0.374519	NA	0	NA	0	NA
AT2G16980	AT2G16980	0	0	1.287654	0.412416	1.324935	0.996841	4.446517	2.15778	0.976246	2.878607	2.660668	1.035907	0.108241	0.895397	0.827351	0.23153	0.68951	NA
AT2G16990	AT2G16990	71.33244	74.93833	97.86173	37.94223	37.70663	34.88943	48.02239	36.68226	22.45366	106.5085	67.84703	77.69299	-0.17568	0.000122	-1.11257	0.00015	0.052197	0.943411
AT2G17000	MSL7	0	0	0	0	0.662467	0	0	0	0	0.959536	1.330334	0	0.109173	NA	0	NA	0.37189	NA
AT2G17010	AT2G17010	4.755616	0	1.287654	1.237247	0.662467	1.993682	3.557214	1.07889	1.952492	0.959536	2.660668	0	-0.35147	0.643091	0.036553	0.967223	-0.37446	NA
AT2G17020	FB110	219.9472	240.8732	230.4901	239.6134	208.6772	245.2228	244.5585	264.328	234.299	222.6123	214.1838	223.7558	0.00677	0.973664	0.105455	0.576792	-0.05958	0.866179
AT2G17030	SKIP23	84.41218	80.29107	91.42346	100.1217	121.2315	115.6335	116.9498	90.62675	121.0545	84.43914	75.82904	90.12387	0.372797	0.026057	0.346306	0.148149	-0.03156	0.958266
AT2G17033	AT2G17033	520.7399	472.8252	485.4457	371.5864	349.7827	431.6321	498.0099	453.1338	405.1421	485.525	492.2236	486.8761	-0.36253	0.00936	-0.12461	0.462659	-0.0162	0.965707
AT2G17036	AT2G17036	27.34479	24.97944	34.76667	10.31039	14.57428	17.94313	25.7898	21.5778	19.52492	21.10978	25.27635	27.96948	-0.99311	0.006176	-0.35085	0.417048	-0.21955	0.771203
AT2G17040	anac036	219.9472	287.2636	278.1333	1428.6038	1312.348	1337.76	1202.338	1040.05	1085.5896	149.6786	155.6491	153.3142	2.356828	1.6E-77	2.065706	7.15E-59	-0.75373	1.58E-05
AT2G17043	AT2G17043	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	0	0	NA	0	NA
AT2G17050	AT2G17050	3.566712	0	1.287654	2.886909	3.974804	0.996841	2.66791	2.15778	0.976246	0.959536	3.991002	0	0.321653	0.676557	0.058253	0.948171	-0.08461	NA
AT2G17055	AT2G17055	0	0	0	0.412416	0	0	0	0	0.976246	0.959536	0	0	0.06603	NA	0.157107	NA	0.160871	NA
AT2G17060	AT2G17060	0	0	1.287654	0.824831	1.324935	0	2.66791	1.07889	0.976246	0.959536	0	1.035907	0.132017	0.860066	0.521386	0.444425	0.108316	NA
AT2G17064	AT2G17064	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G17070	AT2G17070	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G17080	AT2G17080	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	NA	0.157605	NA	0.157555	NA
AT2G17090	SSP	0	0	0	0	0	0	0.889303	0	0	0	0	0	0.160764	NA	0	NA	0	0.26862
AT2G17110	AT2G17110	149.8019	133.8185	123.6148	144.7579	102.6824	137.564	158.296	169.3857	151.3181	97.87263	111.7481	106.6984	-0.07875	0.753946	0.22554	0.332124	-0.36053	0.26862
AT2G17115	AT2G17115	1.188904	0	0	0	0.662467	0	0	0	0	0	0	0	-0.10611	NA	-0.20843	NA	0.250504	NA
AT2G17120	LYM2	450.5946	385.3971	418.4877	590.1667	700.8904	549.2593	506.903	494.1316	496.9092	291.6988	311.2981	303.5202	0.544132	4.99E-05	0.24869	0.107521	-0.46772	0.010526
AT2G17130	IDH2	271.0701	278.3424	244.6543	468.0917	513.4121	472.5025	385.0684	408.8993	488.123	228.3695	223.4961	235.1508	0.863618	3.23E-10	0.683522	1.73E-06	-0.20224	0.451792
AT2G17140	AT2G17140	41.61164	35.68492	29.61605	23.9201	20.53649	30.90206	28.45771	33.44559	23.4299	37.42189	23.94601	24.86176	-0.49149	0.164296	-0.30601	0.452663	-0.27404	0.679892
AT2G17150	NLP1	181.9023	132.0342	133.9161	121.2502	116.5942	124.6051	128.0597	125.1512	76.14719	122.8206	147.6671	129.4883	-0.30364	0.212842	-0.43543	0.078829	-0.16908	0.710197
AT2G17160	AT2G17160	0	0	0	0	0	0	0	0	0.959536	0	0	0	0	NA	0	NA	0.171512	NA
AT2G17170	AT2G17170	0	1.784246	0	0.412416	0	0.996841	0	0	0	0.959536	0	0	-0.01273	NA	-0.28675	NA	-0.07784	NA
AT2G17180	ZAT2	0	0	0	0.662467	0	0	0	0	0.976246	0	0	0	0.097788	NA	0.140077	NA	0	0.033162
AT2G17190	DSK2A	422.0609	387.1814	430.0766	424.3756	354.42	413.6889	371.7289	450.976	350.4273	325.2826	222.1658	315.9515	-0.05585	0.806651	-0.08067	0.732204	-0.50596	0.033162
AT2G17200	SK2B	586.1296	545.9793	511.1988	694.5078	596.2205	760.5895	538.9179	621.4406	534.0066	475.9297	428.3675	433.0089	0.31337	0.031079	0.041905	0.833581	-0.29238	0.182669
AT2G17210	PCMP-E77	23.77808	7.136984	12.87654	11.96005	5.962205	16.94629	15.11816	19.42002	8.786214	18.23118	11.97301	9.323159	-0.33243	0.561978	-0.05208	0.940589	-0.148	

AT2G19480	NAP1	1939.102	1671.839	1760.223	1583.676	1771.437	1604.914	1656.772	1739.171	2414.256	1819.28	1862.468	1735.143	-0.11385	0.539595	0.110779	0.572543	0.011129	0.981052	
AT2G19490	AT2G19490	58.25629	51.74313	60.51975	75.88447	90.75802	76.75674	72.92289	64.7334	53.69353	75.80331	71.83803	60.08258	0.485666	0.048932	0.152336	0.633271	0.263462	0.563955	
AT2G19500	CKX2	0	0	0	7.42348	3.312336	0.996841	3.557214	5.39445	0.976246	0	0	0	1.425507	0.020713	1.173049	0.070015	0	NA	
AT2G19510	LBD8	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	0.160764	NA	0	NA	
AT2G19520	MSI4	685.9976	699.4244	670.8679	659.8649	663.7922	701.7759	595.8333	685.0951	628.7024	678.3917	641.221	594.6103	-0.0226	0.883273	-0.10631	0.451574	-0.10119	0.652681	
AT2G19530	AT2G19530	23.77808	14.27397	28.3284	46.60296	56.97219	33.89259	38.24005	33.44559	58.57476	27.82653	19.95501	27.78994	0.942748	0.00763	-0.855213	0.022577	0.054844	0.957023	
AT2G19540	AT2G19540	498.1508	533.4896	585.8827	733.2747	722.0893	709.7506	687.4316	687.2529	594.5338	562.2879	591.9986	557.3177	0.417827	0.000434	0.281243	0.02983	0.079766	0.757199	
AT2G19550	AT2G19550	3.566712	16.05821	3.862963	7.011065	9.937009	4.984204	7.114428	5.39445	3.904984	2.878607	9.312338	3.10772	0.028372	0.970604	-0.2892	0.699357	-0.40021	NA	
AT2G19560	EER5	121.2682	146.3082	113.3136	136.0971	164.9544	197.3745	185.8644	138.0979	131.7932	156.4043	156.9794	130.5242	0.372229	0.106742	0.262012	0.310586	0.220488	0.595343	
AT2G19570	CD1	7.133424	1.784246	5.150617	6.598649	11.92441	3.987363	8.003731	4.31556	14.64369	1.919071	3.991002	8.287252	0.437232	0.51679	0.615826	0.367341	-0.04406	NA	
AT2G19572	AT2G19572	1.188904	1.784246	1.287654	0.824831	0	0.996841	1.778607	1.07889	0.976246	2.878607	0	1.035907	-0.42134	0.555759	-0.02922	0.972664	0.010496	NA	
AT2G19580	TET2	34.47821	26.76369	20.60247	7.42348	15.23675	11.96209	8.893035	9.710009	6.833722	23.98839	18.62468	15.5386	-1.13401	0.005569	-1.45344	0.000821	-0.43702	0.558736	
AT2G19582	AT2G19582	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT2G19590	ACO1	57.06739	69.5856	66.95803	32.99325	37.09817	33.89259	22.23259	28.05114	21.47741	65.24842	62.5257	81.83662	-0.85048	0.000951	-1.34676	1.09E-06	0.125649	0.826501	
AT2G19600	KEA4	183.0912	230.1627	185.4222	178.1635	170.9166	173.4503	143.1779	183.4113	145.4607	178.4736	168.9524	186.4632	-0.18058	0.344639	-0.32979	0.082458	-0.14929	0.655993	
AT2G19610	AT2G19610	0	0	0	1.287654	0.412416	0.662467	0	0.889303	1.07889	0.976246	1.919071	0	-0.09593	NA	0.267243	NA	0.292791	NA	
AT2G19620	NDL3	149.8019	98.13353	131.3407	114.6515	96.05775	162.485	116.4988	128.3879	107.3871	141.0517	163.6311	110.842	-0.04687	0.887012	-0.11482	0.728375	0.110391	0.845546	
AT2G19630	AT2G19630	0	1.784246	0	0	0	0	0	0	0	0	2.660668	1.035907	-0.33099	NA	-0.2826	NA	0.307069	NA	
AT2G19640	ASHR2	95.11232	94.56504	99.14938	76.29688	73.53387	84.73147	80.92662	85.23231	80.05217	76.76285	93.12338	81.83662	-0.30186	0.164235	-0.22592	0.35823	-0.20174	0.606829	
AT2G19650	AT2G19650	126.0238	135.6027	117.1765	47.01538	60.94699	63.79781	36.46144	21.5778	18.54867	110.3466	123.7111	93.23159	-0.11309	1.39E-06	-2.16235	1.65E-17	-0.20306	0.657308	
AT2G19660	AT2G19660	9.511232	10.70548	10.30123	2.062078	1.324935	0.996841	2.66791	0	2.928738	9.593536	7.982004	5.179533	-1.84871	0.001104	-1.61649	0.006768	-0.31617	NA	
AT2G19670	PRMT12	84.41218	107.0548	108.1363	89.08176	101.3575	85.72833	56.91542	70.12785	51.74104	92.11542	93.12338	89.0796	-0.10254	0.694214	-0.71678	0.001569	-0.11579	0.805717	
AT2G19680	AT2G19680	194.9802	212.3253	243.3667	315.0855	351.7701	291.0775	271.2376	238.4347	316.3037	243.722	234.1388	236.1867	0.55075	0.000764	0.338907	0.063014	0.132015	0.69795	
AT2G19690	PLA2-BETA	40.42273	55.31163	46.35556	85.78244	92.08295	80.7441	59.58333	62.57562	61.5035	65.24842	62.5257	81.83662	0.853098	0.000289	0.368611	0.197343	0.558268	0.128698	
AT2G19700	AT2G19700	0	0	0	0	0	0.996841	0	0	0.995936	0	0	0	0.134417	NA	0	NA	0.144669	NA	
AT2G19710	AT2G19710	140.2907	98.13353	96.57408	127.024	124.5438	164.4787	151.1816	168.3068	123.9832	85.39867	93.12338	95.3034	0.281701	0.243197	0.38016	0.12076	-0.29289	0.468917	
AT2G19720	RPS15AB	40.42273	35.68492	46.35556	56.91335	50.34751	35.88627	38.24005	42.07671	56.62227	37.42189	26.60668	64.2262	0.219768	0.57823	-0.139583	0.758125	-0.066434	0.939653	
AT2G19730	RPL28A	1415.985	1382.791	1352.037	1769.263	1693.929	1335.767	1133.862	1120.967	1723.074	1600.505	1438.091	1598.404	0.20595	0.314945	-0.06005	0.81254	0.156588	0.656746	
AT2G19740	RPL13A	425.6276	469.2567	453.2543	900.7156	800.9229	625.0192	555.8214	503.8416	110.968	337.7565	355.1992	532.456	0.748446	0.007379	0.651973	0.02556	-0.12941	0.837597	
AT2G19750	RPS30C	399.4717	351.4965	433.9395	541.0892	679.6914	456.5531	360.1679	299.9314	588.6763	382.8547	409.7429	520.0251	0.481062	0.059804	0.071295	0.835109	0.140107	0.789372	
AT2G19755	AT2G19755	0	0	0	0.824831	0.662467	0	0	0	0	0	0	0	0.256538	NA	0	NA	0	NA	
AT2G19760	PRO1	498.1508	444.2773	535.6642	537.7899	450.4777	400.73	386.847	358.1915	775.1393	531.5827	470.9382	706.4883	-0.08459	0.808108	0.037705	0.921536	0.199199	0.71013	
AT2G19770	PRO4	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	0.160764	NA	0	NA	
AT2G19780	AT2G19780	122.4571	105.2705	117.1765	42.06639	44.38531	58.81361	56.02612	56.10228	46.85981	110.3466	78.4897	119.1293	-1.23464	3.37E-08	-1.07969	4.16E-06	-0.15216	0.748754	
AT2G19790	AT2G19790	381.6382	483.5307	552.4037	734.9246	750.5754	564.2119	467.7736	450.976	733.1607	601.6288	944.5371	440.2603	0.50715	0.075698	0.21004	0.534258	0.460836	0.28843	
AT2G19796	AT2G19796	0	0	0	0	0	0.996841	0	0	0	0	0	0	0.15625	NA	0	NA	0	NA	
AT2G19800	MIOX2	20.21137	19.62671	23.17778	20.20836	18.54908	22.92734	28.45771	15.10446	17.52743	19.19071	22.61568	30.04129	-0.04374	0.932687	-0.03086	0.955414	0.165937	0.850046	
AT2G19802	AT2G19802	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT2G19803	AT2G19803	0	0	0	0	0	0.996841	0	0	1.952492	0	1.330334	0	0.116153	NA	0.280653	NA	0.173584	NA	
AT2G19806	AT2G19806	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA	
AT2G19810	AT2G19810	180.7134	190.9143	162.2444	155.4807	121.2315	176.4408	155.6281	225.488	221.6078	160.2424	148.9974	165.745	-0.2327	0.312417	0.170603	0.501001	-0.15854	0.704722	
AT2G19820	LBD9	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	0	NA	0	0.262302	NA
AT2G19825	AT2G19825	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.160764	NA	0	NA	
AT2G19830	VP53.1	916.6449	992.0408	995.3568	858.6492	1024.174	874.2294	993.352	858.7964	1210.545	1162.957	1259.826	1120.851	-0.07332	0.696782	0.0767	0.69829	0.282944	0.224063	
AT2G19840	AT2G19840	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA	
AT2G19850	AT2G19850	0	0	0	0	0.662467	1.993682	1.778607	0	0	0	0	0	0.369855	NA	0.274272	NA	0.153339	NA	
AT2G19860	HKK2	196.1692	155.2294	139.0667	77.12171	82.80841	79.74726	90.70896	77.68008	117.1495	155.4448	192.8984	165.745	-1.0091	6.56E-07	-0.75894	0.000395	0.057495	0.906873	
AT2G19870	AT2G19870	321.0041	290.8321	285.8591	208.2699	206.6898	220.3018	244.5585	231.9613	263.5864	259.0746	236.7994	280.7307	-0.49816	0.000399	-0.27636	0.080351	-0.20511	0.406818	
AT2G19880	AT2G19880	296.0371	324.7328	314.1877	235.9017	225.9013	301.0459	267.6803	311.7992	235.2753	245.6411	216.8444	278.6589	-0.29367	0.117843	-0.19384	0.385728	-0.32262	0.253002	
AT2G19890	AT2G19890	0	0	0	0.412416	1.324935	0	0	2.15778	0.976246	0	0	0	0.319616	NA	0.500214	NA	0	NA	
AT2G19893	AT2G19893	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT2G19900	NADP-ME1	0	1.784246	1.287654	4.948987	3.974804	7.974726	10.67164	5.39445	5.857476	2.878607	2.660668	1.035907	1.238352	0.047754	1.550717	0.013578	0.386461	NA	
AT2G19910	RDR3	45.17835	46.3904	55.36914	28.86909	25.17376	26.9147	27.56841	31.28781	16.59618	72.92471	70.5077	62.15439	-0.80788	0.004974	-0.90589	0.003227	0.463764	0.295584	
AT2G19920	RDR4	19.02246	12.48972	18.02716	25.15735	17.88662	11.96209	25.7898	21.5778	12.6912	51.81492	39.91002	41.43626	0.145512	0.773508	0.215916	0.679675	1.268077	0.008255	
AT2G19930	RDR5	67.76752	69.5856	61.80741	36.70499	35.77323	48.8452	65.80846	52.86561	43.93107	74.84378	95								

AT2G20440	AT2G20440	99.86793	117.7602	95.28642	94.85558	80.15854	79.74726	99.60199	86.3112	61.5035	109.3871	86.47171	101.5188	-0.2681	0.28679	-0.31562	0.235328	-0.05539	0.92373	
AT2G20450	RP14A	444.6501	405.0238	480.2951	618.6234	626.694	481.4741	354.8321	350.6392	601.3675	558.4497	452.3135	498.271	0.365869	0.110821	-0.02605	0.933751	0.176192	0.680022	
AT2G20453	AT2G20453	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT2G20460	AT2G20460	0	0	0	0.412416	0.662467	0	0.889303	0	0.976246	0	0	0	0.222449	NA	0.350665	NA	0	NA	
AT2G20463	AT2G20463	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT2G20465	AT2G20465	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT2G20470	AT2G20470	4.755616	3.568492	0	3.71174	2.649869	4.984204	5.335821	4.31556	8.786214	6.716749	5.321336	5.179533	0.206711	0.786505	0.737082	0.281395	0.061452	NA	
AT2G20480	AT2G20480	2.377808	1.784246	5.150617	3.71174	7.28714	3.987363	3.557214	3.23667	10.73871	5.757214	7.982004	6.215439	0.379465	0.589096	0.547511	0.443356	0.669477	NA	
AT2G20490	NOP10	78.46766	78.50683	87.5605	115.0639	125.8688	82.73778	75.5908	58.26006	176.7005	71.00564	97.11438	108.7702	0.375914	0.325286	0.316235	0.446953	0.160597	0.836699	
AT2G20495	AT2G20495	68.95643	49.95889	95.28642	91.14384	82.14594	69.77885	86.26244	69.04896	58.57476	80.60099	94.45371	80.80071	0.168149	0.58359	-0.01761	0.962974	0.22145	0.660786	
AT2G20500	AT2G20500	21.40027	17.84246	30.9037	35.88015	31.13596	31.8989	29.34701	26.97225	29.28738	23.02886	34.58868	22.78894	0.448222	0.21595	0.244187	0.572191	0.138533	0.864774	
AT2G20510	ATTIM44-1	3.566712	1.784246	1.287654						0.976246	2.878607	2.660668		-1.13467	0.05763	-0.81259	0.206807	-0.11114	NA	
AT2G20515	AT2G20515	17.83356	17.84246	18.02716	25.15735	25.83622	21.9305	16.00746	18.34113	20.50117	21.10978	15.96401	24.86176	0.412541	0.308747	0.020519	0.970378	0.196586	0.813511	
AT2G20520	FLA6	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA	
AT2G20530	PHB6	248.4809	233.7362	283.284	342.3049	337.8583	276.1249	253.4515	260.0125	299.7075	277.3058	284.6915	284.8743	0.319134	0.047535	0.081049	0.697196	0.138485	0.652663	
AT2G20540	PCMP-E78	15.45575	24.97944	16.73951	17.32145	17.22415	10.96525	13.33955	21.5778	16.59618	15.35257	27.93701	13.46678	-0.23341	0.639315	-0.11333	0.845772	-0.00884	0.993544	
AT2G20550	AT2G20550	86.78999	53.27338	79.83457	50.72712	47.03518	26.9147	46.24378	44.23449	47.83605	60.45074	34.58868	65.26211	-0.7539	0.013715	-0.64187	0.051105	-0.42891	0.40809	
AT2G20555	AT2G20555	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0	NA	0	NA	
AT2G20560	AT2G20560	41.61164	21.41095	32.19136	54.43886	52.33491	43.86099	48.02239	45.31338	53.69353	36.46235	27.93701	29.00538	0.602208	0.046794	0.554317	0.090819	-0.05335	0.949285	
AT2G20562	AT2G20562	8.322328	1.784246	5.150617	9.485558	14.57428	12.95893	10.67164	9.710009	12.6912	6.176749	9.312338	5.179533	0.91299	0.085797	0.784566	0.177101	0.246171	NA	
AT2G20570	GLK1	1708.455	2264.208	1985.563	1376.231	922.1544	1168.297	717.6679	909.5042	613.0825	1831.754	1326.343	1466.844	-0.75834	0.000146	-1.37152	1.04E-11	-0.35397	0.274581	
AT2G20580	RPN1A	1284.016	1206.15	1170.478	948.5558	814.1723	1053.661	987.1269	1113.414	709.7308	1193.662	1069.589	97.7162	-0.37162	0.043989	-0.37401	0.050693	-0.17414	0.605891	
AT2G20585	NFD6	46.36725	55.31163	36.05432	70.93548	65.58426	41.86731	51.5796	37.76115	55.64602	23.98839	27.93701	53.86714	0.376718	0.307113	0.083027	0.861199	-0.33229	0.608724	
AT2G20590	RTLNB17	36.85602	33.90067	29.61605	43.30364	61.60946	34.88943	40.90796	18.34113	48.8123	29.7456	29.26735	40.40035	0.446213	0.250225	0.103485	0.837286	-0.0109	0.991988	
AT2G20595	AT2G20595	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA	
AT2G20597	AT2G20597	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT2G20600	AT2G20600	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	NA	0.16673	NA	0	NA	
AT2G20605	AT2G20605	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT2G20610	SUR1	1405.284	1050.921	1090.643	1083.416	979.7891	975.9071	974.6766	999.0521	1141.232	1185.026	1036.33	1078.379	-0.22102	0.157191	-0.18713	0.265027	-0.10428	0.722849	
AT2G20613	AT2G20613	0	0	0	0	0	0	0	0.976246	0	0	0	0	0	NA	0.16673	NA	0	NA	
AT2G20616	AT2G20616	0	1.784246	0	0	0.662467	0	0	0	0	0	0	0	-0.12017	NA	-0.24312	NA	-0.23848	NA	
AT2G20618	AT2G20618	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0	1.72362	NA
AT2G20619	AT2G20619	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT2G20620	AT2G20620	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT2G20625	AT2G20625	0	0	0	1.237247	0.662467	0.996841	0.889303	0	0	0	0	0	0.561354	NA	0.161554	NA	0	NA	
AT2G20630	PPC3-1.2	919.0228	1099.096	1018.535	1393.965	1393.831	1213.155	1291.269	1174.911	1521.968	991.2003	1323.682	1003.793	0.393599	0.016499	0.388243	0.021986	0.125539	0.696012	
AT2G20635	BUB1	54.68958	53.52738	55.36914	63.09958	54.32232	53.8294	58.62403	33.44559	28.31113	65.24842	57.20436	61.11849	0.071429	0.844574	-0.40551	0.223193	0.160547	0.7912	
AT2G20650	AT2G20650	68.95643	83.89556	88.84815	79.59621	76.8462	91.70935	62.25124	93.86342	67.36097	84.43914	86.47171	75.62118	0.033854	0.914031	-0.1112	0.724478	0.031154	0.961402	
AT2G20660	RALFL14	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT2G20670	AT2G20670	469.6171	620.9176	498.3222	332.8194	284.8609	497.4235	284.5771	371.1381	291.8976	502.7967	460.2956	550.0664	-0.49847	0.023394	-0.7207	0.000896	-0.06426	0.900246	
AT2G20680	MAN2	70.14533	57.09587	43.78025	28.04426	39.08557	30.90206	31.12562	34.52448	38.07359	55.65307	46.56169	75.62118	-0.76591	0.009992	-0.68138	0.033605	0.06035	0.935289	
AT2G20690	AT2G20690	317.4374	296.1848	279.421	244.5624	229.2137	226.2829	244.5585	319.3514	446.1444	253.3174	274.0488	318.0233	-0.34008	0.128426	0.171228	0.506304	-0.07729	0.87529	
AT2G20700	LLG2	8.322328	1.736984	9.01358	0.824831	0.662467	0.996841	2.66791	1.07889	1.952492	11.51443	11.97301	11.39497	-2.04177	0.000346	-1.39874	0.021512	0.452864	NA	
AT2G20710	AT2G20710	42.80054	28.54794	32.19136	31.756	31.79843	23.92418	14.22886	18.34113	22.45366	33.58375	35.91902	27.96948	-0.85641	0.017715	-0.85641	0.017715	-0.1021	0.895904	
AT2G20720	AT2G20720	21.40027	48.17464	33.47901	71.76031	76.24673	72.76938	80.92662	96.0212	53.69353	42.21957	51.88302	43.50807	1.001699	0.000769	1.122031	0.000202	0.41218	0.454015	
AT2G20721	AT2G20721	15.45575	1.784246	11.58889	8.660727	14.57428	11.96209	18.67537	7.55223	11.71945	15.35257	11.97301	8.28752	0.148088	0.81846	0.266173	0.682329	0.180864	NA	
AT2G20722	AT2G20722	7.133424	1.736984	12.87654	6.186234	9.937009	10.96525	10.67164	7.55223	7.809968	12.47396	13.30334	11.39497	-0.06526	0.921475	-0.05651	0.936669	0.359367	NA	
AT2G20723	AT2G20723	11.88904	10.70548	16.73951	12.78488	14.57428	8.971567	11.56095	8.63112	5.857346	24.94793	41.24035	19.68222	-0.09447	0.871888	-0.49657	0.368305	0.962896	NA	
AT2G20724	AT2G20724	49.93397	49.95889	39.91728	58.97543	60.28452	36.88811	60.42604	55.02339	163.0331	64.28889	81.15037	96.33931	0.150403	0.753878	0.898755	0.021231	0.710136	0.217892	
AT2G20725	AT2G20725	332.8931	390.7499	390.1593	298.5888	308.7097	293.0712	273.9051	295.6158	310.4462	394.3691	320.6105	362.5673	-0.29835	0.04155	-0.33256	0.029368	-0.03897	0.911978	
AT2G20740	TOM2AHS	328.1375	363.9862	348.9543	361.6885	373.6315	371.8216	444.6517	394.8737	466.6456	381.8952	352.5385	419.5421	0.089799	0.578943	0.328007	0.021231	0.152713	0.540577	
AT2G20750	EXPB1	102.2457	98.13353	117.1765	11.54764	9.937009	12.95893	4.446517	2.15778	5.857476	67.16749	58.53469	64.2262	-3.0474	1.85E-29	-0.05187	8.81E-31	-0.71714	0.029602	
AT2G20760	AT2G20760	609.9077	599.5067	591.0333	690.3831	659.1549	690.8107	614.5087	632.2295	688.2534	625.6172	574.7043	585.2872	0.17876	0.12686	0.102643	0.448941	-0.10055	0.973485	
AT2G20770	GCL2	40.42273	57.09587	55.36914	40.41673	49.68505	49.84204	22.23259	30.20892	27.34889	26.867	29.26735	42.47217	-0.11645	0.749847	-0.87072	0.006169	-0.57731	0.222706	
AT2G20780	PLT4	185.469	212.3253	176.4086	324.1586	317.9843	299.0522	208.9863	290.2214	323.1374	176.5546	180.9254	151.2424	0.704649	0.000118	0.509145	0.009562	-0.16674	0.65	

AT2G22088	AT2G22088	5.94452	0	3.862963	2.886909	5.299738	1.993682	3.572124	4.31556	4.88123	0	1.330334	2.071813	0.002108	0.998498	0.186748	0.827088	-0.76405	NA
AT2G22090	UBA1A	99.86793	83.85956	84.98519	116.3012	104.0074	123.6083	115.6095	113.2834	113.2445	95.95356	82.48071	98.41112	0.334952	0.106693	0.331735	0.137821	0.040191	0.940148
AT2G22100	UBA1B	95.11232	80.29107	91.42346	84.13278	90.09555	68.78201	72.92289	80.91675	106.4108	66.20796	90.46271	95.3034	-0.12671	0.066386	-0.04281	0.900041	-0.09259	0.86931
AT2G22110	AT2G22110													#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G22120	AT2G22120	127.2127	115.976	81.12222	164.1414	121.894	128.5925	126.2811	112.2046	100.5533	97.87263	138.3547	87.01615	0.350616	0.179813	0.064066	0.853096	-0.01347	0.985661
AT2G22121	LCR35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.171512	NA
AT2G22122	AT2G22122	20.21137	10.70548	25.75309	14.02213	11.92441	11.96209	17.78607	11.86779	26.35864	19.19071	41.24035	21.75404	-0.52351	0.268308	-0.03809	0.950676	-0.421752	0.591092
AT2G22125	CS1	1981.903	1375.654	1068.753	388.4955	329.9087	588.1361	543.3664	741.1974	391.4746	984.4836	1128.123	955.1508	-1.33207	0.676-11	-1.33207	0.696-07	-0.50383	0.231985
AT2G22140	EME1B	16.64466	12.48972	15.45185	18.97112	20.53649	16.94629	23.12189	15.10446	23.4239	22.06932	10.64267	10.35907	0.289886	0.548896	0.401922	0.420899	-0.0372	0.976106
AT2G22145	AT2G22145	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G22150	AT2G22150	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G22155	AT2G22155	0	0	0	0	0	0	0	0	0	0	2.660668	0	0	NA	0	NA	0.322821	NA
AT2G22160	AT2G22160	0	0	0	0	0	0	0	0	0	0.959536	0	0	0	NA	0	NA	0.171512	NA
AT2G22170	AT2G22170	180.7134	157.0137	198.2988	81.24587	101.3575	83.73463	63.14055	65.81229	126.912	165.0401	160.9704	153.3142	-0.97281	5.02E-05	-1.02553	3.25E-05	-0.15841	0.756813
AT2G22180	AT2G22180	0	0	0	0.412416	0	0	0	0	0	0	1.330334	0	0.067751	NA	0	NA	0.08065	NA
AT2G22190	TPPE	177.1467	148.0924	173.8333	131.5606	129.8436	110.6493	136.9527	93.86342	71.26596	193.8262	151.6581	183.3555	-0.4079	0.088902	-0.69755	0.00332	0.080518	0.879636
AT2G22200	ERF056	9.511232	16.05821	11.58889	11.96005	15.23675	13.95577	19.56468	6.47334	12.6912	16.31211	17.29434	19.68222	0.137044	0.810529	0.094292	0.883269	0.473177	NA
AT2G22201	AT2G22201	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G22210	AT2G22210	0	0	0	0	0	0	0	1.07889	0.976246	0	0	2.071813	0	NA	0.325048	NA	0.334927	NA
AT2G22220	AT2G22220	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G22230	AT2G22230	257.9922	297.9691	309.037	200.0216	223.9139	174.4471	167.1891	148.8868	214.7741	388.6119	536.1246	341.8492	-0.51102	0.016985	-0.68024	0.001588	0.533342	0.063201
AT2G22240	IP52	413.7386	390.7499	401.7482	182.7001	137.7932	128.5925	137.842	129.4668	94.69586	360.7854	375.1542	389.5009	-1.88009	1.98E-16	-1.69562	1.5E-22	-0.09876	0.794445
AT2G22241	AT2G22241													#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G22250	PAT	209.2471	183.7773	172.5457	166.2035	169.5916	161.4882	134.2848	154.2813	121.0545	155.4448	155.6491	135.7038	-0.18325	0.333855	-0.46196	0.010922	-0.33793	0.210277
AT2G22260	ALKBH2	38.04493	21.41095	29.61605	37.1174	37.09817	15.94945	32.90423	22.65669	30.26363	31.66468	49.22236	31.0772	0.028889	0.954608	-0.06544	0.901599	0.263461	0.725809
AT2G22270	AT2G22270	98.67903	87.42806	135.2037	105.5784	97.38269	83.73463	109.3843	96.0212	98.60085	105.5489	110.4177	96.33931	-0.1573	0.530479	-0.08606	0.769164	-0.05307	0.921991
AT2G22280	AT2G22280	0	0	0	0	0	0	0	0	0.976246	0	0	0	0	NA	0.16673	NA	0	NA
AT2G22290	RABH1D	0	0	0	1.649662	0.662467	0.996841	1.778607	1.07889	0.976246	0.959536	0	1.035907	0.606094	NA	0.648533	NA	0.354518	NA
AT2G22300	CMTA3	803.6991	695.856	687.6074	815.758	830.734	1064.626	1160.541	1318.404	1318.404	654.4033	602.6413	672.3033	0.300133	0.08831	0.632147	0.000123	-0.178	0.565684
AT2G22310	UBP4	90.3567	132.0342	106.8753	149.2944	196.7528	149.5261	149.403	127.309	124.9595	129.5373	121.0604	124.3088	0.590415	0.004108	0.296053	0.219252	0.198838	0.622405
AT2G22320	AT2G22320	0	0	0	0.412416	0.662467	0	0	0	0	0	0	0	0.196313	NA	0	NA	0	NA
AT2G22330	CYP79B3	451.7835	396.1026	536.9519	410.3535	323.9465	440.6036	438.4266	452.0549	443.2157	532.5423	528.1426	455.7989	-0.23927	0.18126	-0.05754	0.801429	0.124186	0.70827
AT2G22335	AT2G22335	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT2G22340	AT2G22340	1.188904	0	1.287654	0.662467	1.993682	0	0	0	0.959536	0	0	0	-0.00131	NA	-0.4606	NA	-0.24719	NA
AT2G22345	AT2G22345	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G22350	AT2G22350	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT2G22360	AT2G22360	284.148	305.1061	276.8457	317.56	246.4378	283.1028	330.8209	389.4793	364.1398	301.2942	278.0398	292.1256	-0.02416	0.90765	0.321127	0.050466	0.013601	0.975917
AT2G22370	MED18	61.82301	110.6233	109.4506	133.2102	135.1433	135.5703	96.04478	99.25787	105.4346	101.7108	133.0334	98.41112	0.51758	0.025742	0.105025	0.736731	0.239641	0.580581
AT2G22380	AT2G22380	0	0	0	0	0	0	0	0	0	0.976246	0.959536	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G22390	ATRA84A4	22.58917	19.62671	24.46543	44.12847	33.12336	20.93366	19.56468	30.20892	18.54867	22.06932	38.57969	32.1131	0.530208	0.189172	0.00959	0.986154	0.401648	0.567719
AT2G22400	AT2G22400	683.6198	651.2498	592.321	508.096	445.178	599.1013	705.2177	682.9373	477.3843	614.1028	625.257	641.2261	-0.30862	0.09709	-0.04582	0.852951	-0.03458	0.939653
AT2G22410	PCMP-E28	30.9115	24.97944	36.05432	23.09527	22.52389	23.92418	30.23632	21.5778	19.52492	22.06932	26.60668	21.75404	-0.3891	0.289801	-0.34264	0.402822	-0.37677	0.551502
AT2G22420	PER17	48.74506	42.8219	48.93086	36.08852	52.33491	59.81045	69.36567	58.26006	81.02842	49.89585	35.91902	49.72351	0.23404	0.434216	0.540561	0.037694	-0.04432	0.915828
AT2G22425	AT2G22425	164.0687	162.3664	189.2852	300.7573	405.43	265.1596	191.2002	197.4369	469.5743	180.3927	279.3701	224.7911	0.684566	0.003678	0.684566	0.033067	0.376537	0.493509
AT2G22426	AT2G22426	0	0	0	0	0	0.996841	0.889303	0	0	0	0	0	0.133397	NA	0.133015	NA	0	NA
AT2G22430	ATHB-6	3147.029	3306.208	3324.724	3397.067	3703.855	3282.597	3775.093	3812.797	5301.992	2987.034	2665.989	3190.592	0.085603	0.647829	0.032739	0.013045	-0.14224	0.621889
AT2G22440	AT2G22440	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT2G22450	RIBA2	175.9578	228.3835	242.079	346.8415	365.0195	410.6984	527.357	604.1784	621.8687	237.0053	190.2378	242.4021	0.781021	2.13E-06	1.417434	3.2E-19	0.059577	0.887
AT2G22460	AT2G22460	0	0	0.412416	0.662467	0.996841	0.889303	0	0	0.976246	0.959536	0	0	0.38311	NA	0.352588	NA	0.182041	NA
AT2G22470	AGP2	10.70014	19.62671	18.02716	94.44317	101.3575	102.6746	97.82338	96.0212	81.02842	23.02886	22.61568	21.75404	2.471566	2.62E-18	2.356139	3.06E-16	0.429858	0.481893
AT2G22475	GEM	131.9683	165.9349	148.0802	246.0037	219.2767	220.3018	192.9789	187.7268	131.7936	157.3638	198.2198	148.1346	0.572081	0.0036	0.202799	0.401357	0.17159	0.662311
AT2G22480	PKF5	387.5827	258.7157	364.4062	390.97	413.3796	418.6731	385.9577	358.1915	222.5841	305.1323	268.7275	324.2387	0.260169	0.275541	-0.06796	0.820664	-0.16945	0.694775
AT2G22482	AT2G22482	19.02246	14.27397	15.45185	16.08421	21.86142	19.93682	20.45398	9.710009	23.4299	23.98839	21.28534	12.43088	0.1903	0.711162	0.115597	0.844336	0.196362	0.836955
AT2G22490	CYCD2-1	205.6804	233.7362	193.1482	167.4407	158.3297	186.4092	207.2077	179.0957	143.5082	229.329	210.1928	199.93	-0.29748	0.119899	-0.24227	0.248371	0.022589	0.963148
AT2G22496	MIR79A	1.188904	0	0	0.412416	0.662467	0	0.889303	0	0.959536	1.330334	2.071813	0	-0.07265	NA	-0.09375	NA	0.488518	NA
AT2G22500	PUMP7P5	149.8019	130.25	146.7926	456.0695	491.5507	691.8075	594.0547	604.1784	911.8138	137.2136	118.3997	120.1652	1.864187	7.29E-19	1.223353	1.54E-26	-0.17955	0.706832
AT2G22510	AT2G22510	5.94452	5.327338	3.862963	9.073143	12.58688	7.974726	4.446517	3.23667	7.809968	3.838143	10.64267	4.143626						

AT2G23840	AT2G23840	512.4176	679.7977	614.2111	684.1974	673.7292	534.3067	552.2575	461.7649	568.1752	763.7904	711.7287	648.4775	0.073137	0.723094	-0.18315	0.347115	0.233578	0.398983
AT2G23850	AT2G23850	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G23860	AT2G23860	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G23870	AT2G23870	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G23880	AT2G23880	0	1.784246	0	0	1.324935	0	1.778607	0	0.976246	2.878607	0	0	-0.06146	NA	0.161463	NA	0.184671	NA
AT2G23900	AT2G23900	97.49012	101.702	155.8062	202.496	204.7024	170.4598	216.1007	196.358	160.1043	141.0517	143.6761	164.7091	0.679958	0.001306	0.662757	0.002451	0.323178	0.377481
AT2G23910	AT2G23910	2.377808	5.352738	6.438272	34.23049	33.12336	34.88943	89.81965	85.23231	133.7457	5.757214	14.63367	10.35907	0	NA	0.160764	NA	0.160764	NA
AT2G23920	AT2G23920	492.2062	545.9793	563.9926	842.9774	862.5324	638.9749	512.2388	462.8438	994.7947	635.2126	622.5963	586.3231	0.528279	0.039636	0.286112	0.328257	0.194644	0.693599
AT2G23940	AT2G23940	212.8138	251.5787	249.8049	321.2717	266.9743	299.0522	212.5435	221.1724	288.9688	263.8723	211.5231	236.1867	0.312568	0.094591	0.020012	0.93883	0.002562	0.996189
AT2G23945	AT2G23945	0	1.784246	1.287654	1.237247	1.324935	2.990522	0.889303	0	0.976246	0	0	0	0.398955	0.569429	-0.16249	0.837156	-0.30993	NA
AT2G23950	AT2G23950	180.7134	157.0137	195.7235	129.0861	98.04516	149.5261	136.0634	139.1768	92.74337	187.1094	121.0604	155.386	-0.49385	0.041774	-0.52013	0.04033	-0.19228	0.679803
AT2G23960	AT2G23960	1.188904	0	2.575309	0.412416	2.649869	0.996841	4.446517	0	0.976246	1.919071	2.660668	0	-0.01591	0.985107	0.184588	0.832125	0.05238	NA
AT2G23970	AT2G23970	0	0	0	1.649662	0.662467	0	2.66791	3.23667	0.976246	0	0	1.035907	0.42243	0.515389	0.984354	0.100835	0.153874	NA
AT2G23980	CNCG6	384.016	408.5923	350.242	410.7659	374.294	447.5815	467.7736	462.8438	362.1873	332.9589	368.5025	332.526	0.107768	0.554733	0.178066	0.325268	-0.14148	0.634064
AT2G23985	AT2G23985	73.71204	92.78079	77.25926	80.00862	89.43308	64.79465	90.70896	59.33895	103.4821	77.72239	158.3097	95.3034	-0.04116	0.918356	0.063895	0.878829	0.413018	0.4004134
AT2G23990	ENODL11	0	0	0	0	0	0	1.07889	0	0	0	0	0	0.16673	NA	0.16673	NA	-0.50221	NA
AT2G24000	SCPL2	0	3.568492	1.287654	0.412416	0	0	0.889303	1.07889	0	0.959536	0	0	-0.66838	NA	-0.33487	NA	-0.50221	NA
AT2G24010	scpl23	9.511232	8.92123	11.58889	4.948987	6.624673	4.984204	3.557214	7.52223	2.928738	5.953536	9.312338	5.179533	-0.68054	0.228686	-0.85496	0.152836	-0.25846	NA
AT2G24020	AT2G24020	1068.825	1250.576	1359.763	1372.107	1164.617	1128.424	1368.638	1163.043	1426.295	1729.083	1866.459	1524.854	-0.00328	0.988118	0.104752	0.583657	0.698299	0.014729
AT2G24030	AT2G24030	3.566712	5.352738	6.438272	4.124156	6.624673	8.971567	8.782338	8.63112	4.88123	4.97678	7.982004	16.5745	0.193043	0.786238	0.429264	0.534097	0.687237	NA
AT2G24040	AT2G24040	24.96698	32.11643	29.61605	70.11065	76.8462	45.85468	46.24378	31.28781	52.71728	41.26003	54.54369	31.0772	1.095149	0.000611	0.549869	0.141265	0.496075	0.380469
AT2G24050	EIF(SO)462	351.9156	321.1643	309.037	255.2852	223.2515	224.2892	156.5361	255.6969	252.8477	308.9705	292.6735	308.7001	-0.47116	0.002207	-0.47522	0.003027	-0.10796	0.736006
AT2G24060	AT2G24060	1065.258	1273.952	1206.532	824.4187	1063.922	941.0177	1261.922	1157.649	1323.79	1466.17	1573.785	1404.689	-0.32151	0.021582	-0.07934	0.654011	0.352359	0.095529
AT2G24070	QWR4F	8.322328	1.784246	9.01358	2.474493	0.662467	2.990522	9.782338	3.23667	1.952492	3.838143	7.982004	10.35907	-1.07033	0.089636	-0.25304	0.750912	0.115027	NA
AT2G24080	AT2G24080	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT2G24090	AT2G24090	1045.047	1225.777	1212.97	993.5091	1025.499	737.6622	806.5983	857.7175	1409.699	1256.992	1842.513	1436.802	-0.32415	0.193976	-0.17378	0.542484	0.367451	0.319262
AT2G24100	AT2G24100	158.1242	123.113	163.5321	137.7468	128.5187	138.5609	124.5025	106.8101	87.86214	138.1731	175.6041	133.6319	-0.14264	0.547232	-0.07306	0.030369	-0.00923	0.987749
AT2G24103	MIR831A	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT2G24110	AT2G24110	4.755616	10.70548	9.01358	10.31039	8.612075	8.971567	9.782338	6.47334	11.71495	11.51443	10.64267	10.35907	0.191961	0.755925	0.191138	0.777398	0.365501	NA
AT2G24120	RPOT3	596.8298	494.2362	498.3222	448.2957	502.8127	450.572	177.6679	698.0418	451.0256	500.8776	552.0886	562.4972	-0.17925	0.398439	0.225056	0.295225	0.020459	0.968387
AT2G24130	AT2G24130	0	0	0	0	0	1.993682	0	0	0	0	1.330334	0	0.258238	NA	0	NA	0.168094	NA
AT2G24140	AT2G24140	10.70014	5.352738	3.862963	3.71174	9.274542	7.974726	7.114428	11.86779	8.786214	12.47396	25.27635	14.50269	-0.04552	0.950326	0.318736	0.636295	1.065641	NA
AT2G24150	HPH3	527.8734	576.3115	571.7185	741.9988	335.8709	339.9227	239.2226	229.8036	227.4653	503.7562	443.0012	437.1526	-0.66463	3.43E-08	-1.24929	3.56E-24	-0.26929	0.1573
AT2G24160	AT2G24160	256.8033	258.7157	218.9012	454.482	430.6037	643.9591	332.5959	336.6137	198.1779	100.7512	126.3817	137.7756	1.01937	0.672E-06	0.232144	0.417904	-0.96674	0.000789
AT2G24165	AT2G24165	0	1.784246	1.287654	6.598649	7.28714	10.96525	4.446517	0	3.904984	0.959536	0	3.10772	1.661802	0.007216	0.59969	0.423897	0.130554	NA
AT2G24170	TMN10	111.757	78.50683	99.14938	65.16166	52.99738	79.74726	46.24378	44.23449	52.71728	79.64146	67.84703	75.62118	-0.55592	0.02	-0.98555	5.53E-05	-0.36962	0.348362
AT2G24180	CPY1186	318.6263	310.4588	298.7358	507.6836	473.6641	472.5025	650.0808	598.7839	554.5077	288.8202	316.6195	262.0814	0.948089	7.13E-07	-0.948089	7.13E-07	-0.10003	0.729271
AT2G24190	SDR2B	30.9115	26.76369	28.3284	16.90904	19.21155	13.95577	29.34701	28.05114	30.26363	29.7456	18.62468	35.22082	-0.70855	0.046768	0.02222	0.963668	-0.02306	0.982596
AT2G24200	PM25	1839.234	1609.39	1569.651	1581.614	1581.972	1614.882	1856.866	2052.409	2372.278	1632.17	1485.983	1668.845	-0.07099	0.650713	0.319443	0.061156	-0.06756	0.805754
AT2G24205	AT2G24205	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G24210	TPS10	8.322328	1.784246	5.150617	0	0	0	0.889303	0	0	0	0	0	-2.08348	0.000671	-1.64639	0.010181	0.809629	NA
AT2G24220	PUP5	74.90095	55.31163	48.93086	32.58083	35.11077	35.88627	37.35075	30.20892	41.00233	70.0461	43.90102	68.36983	-0.76422	0.007208	-0.68549	0.025332	0.031376	0.967712
AT2G24230	AT2G24230	235.403	101.702	150.6556	66.39891	68.23413	78.50474	95.15547	90.62675	62.47974	130.4968	163.6311	141.9192	-1.15239	1.39E-05	-0.93721	0.000713	-0.16989	0.766458
AT2G24240	AT2G24240	95.11232	130.25	99.14938	198.7843	222.589	221.2987	208.097	223.3302	246.014	88.27728	105.0964	85.98024	0.978101	2.61E-08	0.529664	2.28E-09	-0.20097	0.594257
AT2G24250	AT2G24250	34.47821	37.46917	47.64321	40.00431	24.51129	34.88943	31.12562	36.68226	28.31113	35.50282	21.28534	32.1131	-0.23826	0.524227	-0.2969	0.455215	-0.37849	0.52736
AT2G24255	AT2G24255	0	0	0	0.412416	0	0	0	0	0.976246	0	0	0	0.065752	NA	0.143461	NA	0	NA
AT2G24260	BHLH66	26.15589	26.76369	19.31482	33.81808	37.70663	31.8989	26.6791	32.3667	26.35864	17.27164	17.29434	11.39497	0.499847	0.159953	0.226971	0.604002	-0.58116	0.336936
AT2G24270	ALDH11A3	2938.971	2922.595	2913.962	2544.192	2268.288	2537.957	1766.157	2144.833	2044.285	2467.359	2059.357	2785.553	-0.2524	0.088612	-0.55247	6.52E-05	-0.22423	0.3243
AT2G24280	AT2G24280	1039.102	954.5716	983.7679	684.1974	624.0442	723.7064	808.3769	827.5086	508.8664	1192.703	1211.934	1090.81	-0.54476	0.000261	-0.42013	0.007537	0.226968	0.366371
AT2G24285	AT2G24285	0	0	0	1.649662	3.24935	0	4.446517	3.23667	5.857476	0	0	0	0.526528	0.438353	1.635039	0.006801	0	NA
AT2G24290	AT2G24290	140.2907	167.7191	144.2173	164.1414	190.7906	147.5324	130.7276	133.7824	191.3442	142.9708	162.3007	205.1095	0.156718	0.542902	0.016911	0.957787	0.174975	0.686833
AT2G24300	CBP60E	38.04493	28.54794	37.34198	23.50769	25.17376	20.93366	23.21189	22.65669	21.47741	33.58375	29.26735	44.54398	-0.54504	0.104163	-0.5955	0.10087	0.039748	0.963091
AT2G24310	AT2G24310	7.133424	1.784246	7.725926	2.886909	3.312336	7.974726	7.114428	2.15778	2.928738	3.838143	0	3.10772	-0.32043	0.7631	-0.30418	0.700683	-0.7294	NA

AT2G24696	AT2G24696	0	0	0	0	0	0	0	0	0	0.959536	1.330334	3.10772	0	NA	0	NA	0.889186	NA
AT2G24700	REM10	45.17835	28.54794	36.05432	56.08852	65.58426	59.81045	55.13682	58.26006	45.88356	59.49121	47.89202	67.33392	0.656808	0.017475	0.477834	0.123697	0.616264	0.134038
AT2G24710	GLR2.3	1.188904	0	0	0.412416	0	0	0	0.889303	0	0	0	0	-0.12978	NA	-0.04528	NA	-0.2092	NA
AT2G24720	GLR2.2	1.188904	0	0	0	0	0	0	0.889303	1.07889	0.976246	0	0	-0.32553	NA	0.31243	NA	-0.26389	NA
AT2G24730	AT2G24730	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G24735	AT2G24735	1.188904	0	1.287654	0.824831	0.662467	0.996841	1.778607	0	0.976246	0.959536	0	1.035907	-0.03591	NA	0.035325	NA	-0.09176	NA
AT2G24740	SUVH8	0	0	0	0	0	0	0.996841	0	0.976246	0	0	0	0.133781	NA	0.142196	NA	0	NA
AT2G24748	AT2G24748	0	0	0	0	0	0	0.996841	0	0	0	0	0	0.15625	NA	0	NA	0	NA
AT2G24750	AT2G24750	45.17835	24.97944	34.76667	24.74493	23.18635	21.9305	27.56841	25.89336	22.45366	42.21957	49.22236	29.00538	-0.56101	0.104752	-0.45526	0.236151	0.151126	0.837597
AT2G24755	AT2G24755	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G24760	AT2G24760	10.70014	8.92123	6.438272	4.948987	4.637271	3.987363	4.446517	4.31556	4.88123	4.797678	2.660668	12.43088	-0.68849	0.25245	-0.68156	0.292134	-0.26704	NA
AT2G24761	AT2G24761	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G24762	GDU4	161.6909	112.4075	136.4914	82.0707	88.10815	50.83888	42.68657	36.68226	94.69586	169.8378	143.6761	187.4991	-0.82819	0.007941	-1.15484	0.00023	0.267573	0.64949
AT2G24765	ARF3	535.2709	365.7704	360.5432	493.249	551.1728	410.6984	403.7438	332.2981	531.0778	422.1957	481.5809	454.763	0.448245	0.019332	0.251292	0.247812	0.347348	0.238883
AT2G24780	AT2G24780	0	0	0	0	0	0	0	0	0	1.330334	0	0	0	NA	0	NA	0.172362	NA
AT2G24790	COL3	2223.25	2701.348	2625.527	2948.771	2677.03	2766.233	2063.184	2163.174	2342.014	2552.365	2370.655	2229.271	0.152601	0.246814	-0.19812	0.137256	-0.07612	0.761028
AT2G24791	AT2G24791	1.188904	0	0	0	0	0	0.996841	0	0	0	1.330334	0	-0.06709	NA	-0.21623	NA	-0.00394	NA
AT2G24800	PER18	0	1.784246	0	0.412416	0.662467	0	0	0	0.976246	1.919071	0	2.071813	-0.09946	NA	-0.11182	NA	0.401943	NA
AT2G24810	AT2G24810	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT2G24820	TIC55	612.2855	702.9929	676.0185	481.7014	384.8935	502.4078	576.2687	722.8563	595.5101	592.0335	580.0256	619.4721	-0.5321	0.000325	-0.06999	0.727523	-0.14781	0.600891
AT2G24830	AT2G24830	159.3131	169.5034	149.3679	139.8089	160.9795	177.4377	164.5211	154.2813	161.0806	158.3234	162.3007	170.9246	-0.0094	0.968159	0.010592	0.966065	0.043475	0.920357
AT2G24834	AT2G24834	0	0	0	0	0	0	0	0.889303	0	0	0	1.035907	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G24840	AGL61	82.03437	103.4863	63.09506	780.7027	713.4773	881.2072	462.4378	476.8694	450.0494	42.21957	43.90102	45.57989	3.209444	1.94E-81	2.446432	2.44E-46	-0.84959	0.001828
AT2G24850	TAT3	228.2696	306.8903	301.3111	242.0879	281.5486	236.2513	267.6803	257.8547	401.2371	289.7798	313.9588	313.9588	-0.12987	0.592907	0.148751	0.55537	0.130472	0.757199
AT2G24870	AT2G24870	2.377808	0	0	0.412416	0	0	0.889303	0	0.959536	2.660668	3.10772	0	-0.45155	0.480133	-0.29587	0.669578	0.53532	NA
AT2G24880	AT2G24880	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G24890	AT2G24890	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT2G24900	AT2G24900	0	0	0	0	0	0	0.889303	0	0	0	0	1.035907	0	NA	0.137906	NA	0.15538	NA
AT2G24910	AT2G24910	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G24915	AT2G24915	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT2G24920	AT2G24920	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G24930	AT2G24930	0	0	0	0	0	0	0.996841	0.889303	0	0	0	0	0.133397	NA	0.133015	NA	0	NA
AT2G24940	MP3	0	0	0.412416	0.662467	0	0	0	0	0	0	0	0	0.196313	NA	0	NA	0	NA
AT2G24945	AT2G24945	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G24950	AT2G24950	0	0	0	0	0	0	0	0	0.976246	0	0	0	0	NA	0.16673	NA	0	NA
AT2G24960	AT2G24960	91.5456	78.50683	101.7247	100.6294	109.9696	115.6335	99.60199	80.91675	82.00466	121.861	135.6941	108.7702	0.236921	0.298485	-0.05569	0.852179	0.402826	0.209174
AT2G24970	AT2G24970	33.28931	33.90067	30.9037	63.512	54.98478	40.87047	32.90423	25.89336	48.8123	73.88424	71.83803	51.79533	0.673957	0.035302	0.12403	0.77986	0.941623	0.020617
AT2G24980	AT2G24980	0	0	0	0.662467	0	0	0.959536	0	0	0	0	0	0.098211	NA	0.0	NA	0.141904	NA
AT2G24990	AT2G24990	168.8244	162.3664	175.121	209.9195	208.0147	192.3903	178.75	163.9913	217.7029	165.0401	135.6941	167.8169	0.266095	0.150437	0.142327	0.51332	-0.10545	0.782654
AT2G25000	WRKY60	53.50068	60.66437	64.38272	392.6196	441.8657	415.6826	261.1703	291.6915	262.1703	275.3014	49.89585	51.88302	2.747933	1.28E-56	1.236603	5.62E-34	-0.28808	0.472467
AT2G25010	AT2G25010	206.8693	180.2088	176.4086	200.8464	213.9769	208.3397	196.5361	236.2769	234.299	208.2192	208.8624	190.6068	0.136346	0.459989	0.232383	0.203616	0.101439	0.768066
AT2G25011	MIR836A	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G25015	AT2G25015	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT2G25020	AT2G25020	0	0	0	0	0	0	0.889303	0	0.976246	0	0	1.035907	0	NA	0.330786	NA	0.182304	NA
AT2G25025	AT2G25025	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G25030	AT2G25030	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G25040	AT2G25040	0	0	0	0	0	0	0	0	0.976246	0	0	0	0	NA	0.16673	NA	0	NA
AT2G25050	FH18	340.0265	221.2465	239.5037	95.68041	88.77061	108.6556	121.8346	132.7035	80.05217	229.329	239.4601	218.5763	-1.41557	9.62E-12	-1.22524	9.48E-09	-0.2208	0.585344
AT2G25052	AT2G25052	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G25060	ENOD114	204.4915	169.5034	167.3951	251.1611	314.672	216.3144	200.9826	167.2279	230.3941	173.6759	172.9434	216.5045	0.516395	0.012137	0.13806	0.599613	0.0524	0.920201
AT2G25070	PPC-2	687.1865	660.171	703.0593	546.0382	755.8752	648.9433	753.24	653.8073	842.5003	706.2182	717.05	671.2674	-0.07379	0.70334	0.131461	0.489288	0.029069	0.943134
AT2G25080	GPX1	5707.928	7365.368	6851.609	2542.542	2717.441	2759.255	3746.636	3621.834	3745.856	8250.087	8087.1	7236.843	-1.30039	1.2E-31	-0.83349	1.93E-13	0.240924	0.188182
AT2G25090	CIPK16	3.566712	7.136984	6.438272	25.98218	20.53649	26.9147	13.33955	19.42002	19.52492	3.838143	6.65167	3.10772	1.783428	8.56E-05	1.316004	0.007713	-0.25759	NA
AT2G25095	MIR156A	1.188904	0	1.287654	0.412416	0.662467	0	1.778607	0	0.959536	2.660668	0	0	-0.28056	NA	-0.11958	NA	0.121363	NA
AT2G25100	AT2G25100	129.5905	96.34929	135.2037	231.3651	262.9995	171.4566	173.4142	144.5713	194.273	166.9592	175.6041	149.1705	0.850688	4.87E-05	0.476598	0.042186	0.415669	0.224951
AT2G25110	SDF2	411.3608	463.904	497.0346	1535.423	1377.932	1316.827	954.2226	950.502	1041.654	490.3227	522.8213	473.4093	1.610803	9.76E-44	1.091739	5.7E-20	0.1135	0.657308
AT2G25120	AT2G25120	0	0	0	0.662467	0	0	0.889303	0	0.976246	0	0	1.035907	0.128567	NA	0	NA	0	NA
AT2G25130	AT2G25130	4.755616	5.352738	6.438272	7.835896	11.26194	6.977885	3.557214	2.15778	4.88123	4.797678	14.63367	6.215499	0.514504	0.408205	-0.43195	0.542942	0.430933	NA
AT2G25140	CLP84	181.9023	169.5034	128.7654	133.2102	153.6924	143.5451	113.8308	141.3346	117.1495	129.5373	158.3097	151.2424	-0.35549	0.490778	-0.15929	0.06991	-0.12862	0.752829
AT2G25150	SCT	2.377808	7.136984	9.01358	0.824831	2.649869	3.987363	0.889303	2.15778	1.952492	7.676285	10.64267	12.43088	-0.9491	0.131109	-1.10719	0.092129	0.606791	NA
AT2G25160	CYP82F1	0	0	0	0.662467	0	0.889303	0	0	0	0	0	0	0.097058	NA	0.130384	NA	0	NA
AT2G25169	AT2G25169	0	0	1.287654	0	0</													

AT2G25490	EBF1	1011.757	581.6642	516.3494	445.8212	480.2888	487.4551	470.4415	539.445	508.6242	304.1728	341.8958	396.7522	-0.56194	0.13808	-0.46164	0.056549	-0.98461	0.000138
AT2G25500	AT2G25500	4.755616	5.352738	2.575309	7385896	8.612075	6.977885	1.778607	5.39445	9.76246	7.676285	1.330334	6.215439	0.643144	0.313667	0.268042	0.729777	0.209549	0.000000
AT2G25510	AT2G25510	323.385	2997.533	3587.405	11849.94	11085.73	5978.054	3867.581	2767.353	6821.031	2021.742	3136.928	3069.391	1.406795	0.001099	0.408511	0.354104	-0.22946	0.769053
AT2G25520	AT2G25520	942.8008	961.7086	921.9605	962.578	1118.907	1195.212	933.7687	1000.131	912.79	544.0567	458.9652	689.9137	0.208473	0.227967	0.010285	0.963799	-0.72375	0.00006
AT2G25530	AT2G25530	30.91115	35.68492	38.62963	35.46774	31.79843	33.89259	20.41119	19.42002	26.35864	47.97678	34.58868	27.96948	-0.04364	0.91858	-0.5382	0.144846	0.079712	0.920242
AT2G25540	CEA10	0	3.568492	0	0.412416	0.662467	0	0.557214	1.07889	0.976246	0.995936	1.330334	1.035907	-0.39169	0.575414	0.37877	0.611902	0.392024	NA
AT2G25550	AT2G25550	0	0	0	0	0	0.996841	1.778607	2.15778	0.972646	0	1.330334	0	0.0815	NA	0.793587	NA	0.197642	NA
AT2G25560	AT2G25560	112.9459	115.976	95.28642	97.74249	98.04516	138.5609	126.2811	120.8357	113.2445	95.95356	119.7301	120.1652	0.027638	0.925177	0.152578	0.57425	0.048487	0.930587
AT2G25565	AT2G25565	1.188904	0	0	0.412416	0.662467	0	0.889303	0	0	0	1.330334	0	-0.02395	NA	-0.06483	NA	-0.01578	NA
AT2G25570	AT2G25570	84.41218	57.09587	86.27284	111.3522	95.39529	77.75358	79.14801	74.44341	102.5058	89.23681	87.80204	81.83662	0.306983	0.241419	0.144066	0.648029	0.157735	0.757455
AT2G25580	PCMP-H55	92.73451	82.07532	91.42346	65.57408	70.884	65.79149	88.93035	102.4945	102.09968	92.11542	86.47171	99.44703	-0.39298	0.075637	0.007672	0.980049	0.057764	0.912499
AT2G25590	AT2G25590	253.2365	226.5992	222.7642	280.855	288.1733	319.9859	270.3483	224.4091	153.2706	255.2365	278.0398	221.684	0.326157	0.130733	-0.11381	0.670578	0.096732	0.836113
AT2G25600	AKT6	0	1.784246	1.287654	0	0	0	1.07889	0	0	0.995936	1.330334	0	-0.58865	NA	-0.30109	NA	-0.08036	NA
AT2G25605	AT2G25605	196.1692	292.6163	274.2704	216.5182	235.8383	211.3302	256.1194	242.7502	280.1826	256.196	231.4781	241.3662	-0.18686	0.333292	0.039674	0.871211	-0.05287	0.898539
AT2G25610	VHA-c"2	309.115	333.654	386.2963	368.6995	421.9917	308.0238	441.0945	330.1403	509.6004	411.6408	461.6259	430.9371	0.094989	0.6894	0.309244	0.147743	0.332194	0.274712
AT2G25620	AtDBP1	74.90095	66.0171	66.95803	117.126	104.0074	123.6083	85.37131	106.8101	79.07593	89.23681	67.84703	80.80071	0.698284	0.001349	0.359405	0.159668	0.190112	0.677439
AT2G25625	AT2G25625	28.53369	30.33218	28.3284	60.21267	60.28452	51.83572	47.57711	31.28781	29.28738	36.46235	34.58868	27.96948	0.948715	0.00083	0.025967	0.953822	0.171645	0.796726
AT2G25630	BGLU14	0	0	0	0	0	0.996841	1.778607	0	0.972646	0	1.330334	1.035907	0.098196	NA	0.471843	NA	0.37452	NA
AT2G25640	AT2G25640	92.73451	83.85956	88.84815	49.90228	40.4105	51.83572	54.24751	40.99782	42.95482	78.68192	70.5077	91.15977	-0.87554	0.000126	-0.90167	0.000199	-0.1359	0.784009
AT2G25650	AT2G25650	227.0807	244.4417	195.7235	279.2053	281.5486	254.1944	230.3296	253.5391	372.926	198.6239	199.5501	199.93	0.287398	0.157056	0.355009	0.101323	-0.14999	0.710538
AT2G25660	emb2410	73.11759	681.582	567.8556	302.3006	272.9365	368.8311	40.7229	489.816	300.6838	539.259	553.4189	545.9227	-1.04674	1.23E-08	-0.68136	0.00048	-0.26676	0.417269
AT2G25670	AT2G25670	95.07677	893.3073	981.1926	1130.019	1274.587	1044.689	957.4778	1050.839	1594.21	936.7612	913.9394	893.9873	0.277891	0.163995	0.338666	0.09452	-0.0605	0.89016
AT2G25680	MOT1	27.34479	26.76369	27.04074	25.56977	18.54908	19.93682	22.23259	17.26224	39.04984	21.10978	29.26735	20.71813	-0.29189	0.496742	-0.03807	0.943277	-0.18613	0.824654
AT2G25685	SCRL17	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G25687	AT2G25687	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G25690	AT2G25690	51.12287	67.80135	57.94445	45.77813	49.68505	53.8294	37.35075	48.55005	40.02609	56.6126	45.23135	62.15439	-0.23103	0.432932	-0.45815	0.121369	-0.07862	0.900046
AT2G25697	AT2G25697	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G25700	ASK3	1.188904	0	1.287654	2.062708	0	0.996841	1.778607	0	0.972646	1.919071	0	1.035907	0.087251	0.911286	0.022622	0.97784	0.063521	NA
AT2G25710	HCS1	117.7015	215.8938	145.5049	181.4629	182.1785	176.4408	207.2077	178.0168	150.3419	162.1615	114.4087	200.9659	0.180775	0.537003	0.169378	0.589984	0.015816	0.983524
AT2G25720	AT2G25720	64.20081	67.80135	69.53333	113.0019	113.2819	73.76622	91.59826	75.5223	153.2706	84.43914	115.7391	72.51346	0.549586	0.077207	0.629267	0.048609	0.40034	0.441758
AT2G25730	AT2G25730	574.2406	496.0204	513.7741	505.2091	444.5155	709.7506	1028.035	1251.512	630.6549	522.9469	544.1066	563.5332	0.060467	0.846423	0.843777	0.000339	0.039008	0.951161
AT2G25735	AT2G25735	30.9115	55.31163	46.35556	201.6712	226.5638	258.1818	279.2413	250.3025	486.1705	33.58375	61.19536	53.86714	2.228878	4.04E-15	2.770422	5.31E-23	0.147564	0.841345
AT2G25737	AT2G25737	58.25629	89.2123	72.10864	77.53413	70.22153	88.71883	54.24751	64.7334	59.55101	75.80331	69.17737	72.51346	0.116297	0.688228	-0.26989	0.344319	0.011181	0.987638
AT2G25740	AT2G25740	128.4016	105.2705	144.2173	135.2723	138.4557	165.4756	155.2621	172.6224	115.197	112.2657	150.3277	107.7343	0.193607	0.483855	0.122991	0.428986	-0.04592	0.936834
AT2G25760	AT2G25760	511.2287	504.9416	422.3506	413.2404	308.7097	374.8121	416.194	442.3449	377.8072	433.7101	456.3046	404.0035	-0.38137	0.016893	-0.21418	0.236044	-0.15017	0.612836
AT2G25770	AT2G25770	1.188904	1.784246	0	2.886909	5.962205	0.996841	3.557214	5.39445	11.71495	0	0	1.035907	0.784334	0.255222	1.46075	0.02481	-0.31661	NA
AT2G25780	AT2G25780	1.188904	1.784246	0	2.062708	1.987402	0.993682	5.57214	2.15778	6.83372	0.995936	0	0	0.492919	0.561695	1.060769	0.119391	-0.32778	NA
AT2G25790	AT2G25790	97.49012	49.95889	42.49259	43.30364	34.4483	61.80413	96.34048	100.3368	88.83389	50.85539	38.57969	68.29802	-0.44647	0.205364	0.538468	0.126749	-0.27162	0.672425
AT2G25800	AT2G25800	458.9169	413.9451	339.9407	211.1568	186.1533	251.2023	243.6692	299.9314	215.7504	288.8202	299.3251	308.7001	-0.88986	3.36E-07	-0.66273	0.000282	-0.46264	0.1045
AT2G25810	TP4-1	7.133424	5.352738	3.862963	9.073143	5.299738	6.977885	4.446517	6.47334	7.809968	1.919071	6.51672	5.179533	0.309367	0.644382	0.12907	0.87085	-0.21393	NA
AT2G25820	ERF04	5.94452	3.568492	7.725926	2.886909	7.28714	0.996841	0.889303	2.15778	0.809968	4.797678	7.982004	8.287522	-0.40541	0.568438	-0.44299	0.554668	0.180179	NA
AT2G25830	AT2G25830	321.0041	392.5341	366.9815	285.3916	241.8006	275.1281	287.245	318.2725	345.5911	379.9761	403.0912	369.8186	-0.41678	0.004897	-0.17705	0.308872	0.096233	0.754476
AT2G25840	OVA4	380.4493	381.8287	360.5432	266.8329	259.6872	252.2007	359.2786	266.4858	313.275	493.2013	501.5359	458.9662	-0.51767	0.000621	-0.24989	0.120784	0.368601	0.061365
AT2G25850	PAP5	387.5827	333.654	319.3383	383.1341	376.9439	416.6794	50.8769	461.7649	356.2227	346.3924	409.7429	333.5619	0.169308	0.336707	0.496367	0.001694	0.058955	0.874312
AT2G25870	AT2G25870	695.5088	708.3457	749.4148	48.1894	398.8053	528.3256	576.2687	613.8884	592.5313	748.4378	831.4587	821.4739	-0.67799	2.04E-07	-0.26972	0.068562	0.154504	0.528979
AT2G25880	AtAUER	57.06739	42.8219	50.21852	87.34452	104.6698	86.72515	51.3682	63.65451	68.3372	71.96517	66.5167	70.44164	0.824745	0.000238	0.282485	0.334254	0.441751	0.258363
AT2G25890	AT2G25890	0	0	0	0.412416	1.324935	0	0	0	0	0	0	0	0.293846	NA	0	NA	0	NA
AT2G25900	ATCTH	1839.234	2216.034	2002.303	1055.784	1063.922	1140.386	975.5659	1017.393	937.1962	1698.378	1902.378	1513.459	-0.88431	4.74E-14	-1.03556	1.23E-18	-0.24128	0.210848
AT2G25910	AT2G25910	511.2287	479.9622	522.7877	652.029	671.0793	607.076	518.4639	600.9417	652.1323	554.6116	445.6619	433.0089	0.345223	0.02136	0.200841	0.18735	-0.07723	0.813188
AT2G25920	AT2G25920	99.86793	121.3287	114.6012	132.7978	128.5187	124.6051	124.5025	140.2557	113.2445	104.5894	123.7211	98.41112	0.208472	0.326318	0.172784	0.425877	-0.03816	0.940821
AT2G25930	ELF3	310.3039	317.5958	329.6395	458.1937	437.2284	532.313	780.8085	940.792	461.7644	335.8375	407.0822	335.6337	0.554271	0.016696				

AT2G27340	AT2G27340	120.0793	87.42806	109.4506	108.8777	96.72022	118.6241	123.6132	83.07453	64.43224	111.3061	110.4177	94.26749	0.01797	0.958316	-0.22076	0.472	-0.0154	0.983686
AT2G27350	AT2G27350	374.5047	399.6711	472.5691	456.544	386.8809	460.5404	492.6741	477.9482	344.6148	390.531	387.1272	397.7881	0.062625	0.776918	0.075281	0.745072	-0.0836	0.831469
AT2G27360	AT2G27360	109.3792	90.99655	130.0531	110.5274	113.2819	104.6683	80.92662	67.97007	60.52725	119.942	99.77505	112.9138	-0.01594	0.955072	-0.64496	0.003529	0.003717	0.995116
AT2G27370	CASP3	1.188904	0	0	0	0	0.662467	0.996841	0	0	0.976246	0.959536	0	0.044508	NA	-0.05633	NA	-0.04546	NA
AT2G27375	AT2G27375	0	0	0	0	0	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT2G27380	EPRI	2.377808	0	0	0	0	0	0	1.07889	0	0	0.959536	0	-0.47833	NA	-0.23024	NA	0.09385	NA
AT2G27385	AT2G27385	1508.719	1925.201	1861.948	1227.761	1163.293	1145.37	1498.476	1475.921	1681.096	2410.353	2865.539	2190.942	-0.57271	4.79E-05	-0.18205	0.278033	0.489573	0.006028
AT2G27389	AT2G27389	1.188904	0	1.287654	1.686234	2.649869	3.987363	3.557214	3.23667	4.88123	0	0	0	1.15061	0.076609	0.988637	0.153156	-0.51545	NA
AT2G27390	AT2G27390	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G27395	AT2G27395	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G27400	TAS1A	64.20081	60.66437	75.97161	124.5495	153.0299	105.6651	146.7351	92.78453	134.7219	70.0461	137.0244	84.94434	0.879864	0.001584	0.845629	0.003326	0.488122	0.286849
AT2G27402	AT2G27402	263.9367	256.9314	311.6124	14.84696	19.87402	23.92418	30.23632	20.49891	27.33489	262.9128	242.1208	283.8384	-3.75007	9.47E-71	-3.27754	7.6E-52	-0.07471	0.858701
AT2G27410	AT2G27410	0	0	0	0	0	0.662467	0	0	0.889303	0	0	0	0.097058	NA	0.130384	NA	0	NA
AT2G27420	AT2G27420	19.02246	19.62671	9.01358	1.649662	0.662467	0.996841	3.557214	1.07889	6.833722	22.06932	27.93701	17.61041	-2.56427	5.9E-07	-1.56416	0.003228	0.472084	NA
AT2G27430	AT2G27430	1.188904	5.352738	6.438272	6.186234	2.649869	4.984204	6.225124	2.15778	9.76246	2.878607	2.660668	4.143626	0.097897	0.903273	0.366227	0.631464	-0.22981	NA
AT2G27440	AT2G27440	2.377808	0	0	0	0	0.412416	0	0	0.889303	0	0	0	-0.33305	NA	-0.23237	NA	-0.18464	NA
AT2G27450	CPA	359.049	419.2978	445.5284	387.6706	355.7449	374.8121	310.3669	318.2725	341.6861	423.1552	399.1002	397.7881	-0.12469	0.416983	-0.32842	0.021994	-0.00069	0.998194
AT2G27460	AT2G27460	238.9697	192.6986	221.4765	209.9195	158.3297	226.2829	183.1965	185.5691	109.3396	205.3406	182.2558	191.6427	-0.1379	0.60551	-0.43978	0.070401	-0.17021	0.702132
AT2G27470	NF-YB1	82.03437	99.91778	96.57408	105.166	109.9696	64.79465	78.25871	91.70564	151.3181	87.31774	77.15937	102.5447	0.024333	0.951021	0.198598	0.579442	-0.04964	0.948618
AT2G27480	CMIL48	24.96698	24.97944	19.31482	30.51875	25.83622	30.90206	37.35075	34.52448	42.95482	29.7456	27.93701	30.04129	0.603708	0.407407	0.683262	0.05007	0.318615	0.613585
AT2G27490	COAE	93.92341	155.2294	118.4642	136.0971	131.1685	133.5767	125.3918	116.5201	168.8906	111.3061	98.44471	96.33931	0.140046	0.594852	0.174319	0.524979	-0.23471	0.575777
AT2G27500	AT2G27500	189.0357	248.0102	211.1753	226.0037	253.725	381.79	735.454	589.0739	473.4793	286.9012	259.4151	248.6176	0.390791	0.111399	1.427138	3.75E-11	0.288419	0.483114
AT2G27505	AT2G27505	1.188904	5.352738	0	2.474493	1.987402	1.993682	2.66791	2.15778	2.928738	0	1.330334	2.071813	0.090919	0.915186	0.217719	0.799175	-0.32865	NA
AT2G27510	FD3	93.92341	92.78079	114.6012	127.024	110.632	109.6525	121.8346	98.17898	178.653	107.468	122.3907	120.1652	0.198787	0.470513	0.387333	0.143503	0.20152	0.666446
AT2G27520	AT2G27520	0	0	0	0.412416	0	0	0.889303	0	0	0.976246	0	0	0.205489	NA	0.157461	NA	0.204051	NA
AT2G27530	RPL10AB	2812.947	3122.431	3490.831	3413.976	3747.577	3162.976	3001.399	2915.161	3561.345	2888.202	2507.68	3417.456	0.129613	0.475481	0.007882	0.971973	-0.09491	0.770545
AT2G27535	AT2G27535	0	0	0	0	0	0	0	0	0	0.976246	0	0	0.16673	NA	0.74584	NA	0	NA
AT2G27540	AT2G27540	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G27550	CEN	1.188904	1.784246	0	0	0	0	1.993682	0	0	0	0	0	-0.12191	NA	-0.43872	NA	-0.42869	NA
AT2G27560	AT2G27560	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G27570	SOT4	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G27580	SAP3	129.5905	99.91778	117.1765	136.922	146.4053	120.6177	106.7164	90.62675	202.0829	115.1443	125.0514	82.87252	0.206049	0.53781	0.188632	0.600912	-0.1052	0.875399
AT2G27590	AT2G27590	65.60108	76.72258	77.25926	138.984	115.2693	99.68408	93.37687	91.70564	76.14719	73.31774	71.83803	82.87252	0.558314	0.011906	0.115646	0.699428	0.015968	0.98194
AT2G27600	SKD1	1119.948	1009.883	911.6593	892.4673	885.0563	918.0044	813.7127	843.6919	663.8473	808.8885	828.7981	840.1202	-0.1732	0.229124	-0.38628	0.00424	-0.29305	0.130517
AT2G27610	PCMP-H60	19.02246	7.136984	11.58889	11.54764	13.24935	15.94945	8.003731	14.02557	12.6912	9.595356	6.65167	20.71813	0.038362	0.952704	-0.14567	0.826742	-0.04316	NA
AT2G27630	AT2G27630	2.377808	0	7.725926	2.869099	2.649869	0.996841	6.225124	4.31556	1.952492	4.797678	1.330334	3.10772	-0.36704	0.6251	0.154482	0.858513	-0.09004	NA
AT2G27650	AT2G27650	0	1.784246	0	0.412416	0	0	0	0	0.976246	0.959536	1.330334	0	-0.21423	NA	-0.09554	NA	0.123134	NA
AT2G27660	AT2G27660	3.566112	5.352738	2.575309	118.3633	100.0326	142.5482	59.58333	65.81229	57.59851	4.797678	3.991002	3.10772	4.237458	5.93E-28	3.282051	1.65E-16	-0.02699	0.98603
AT2G27670	AT2G27670	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0	NA	0	NA
AT2G27680	AT2G27680	1386.262	1580.842	1685.54	1360.971	1163.955	1173.282	1743.035	1700.331	1579.566	2075.476	1975.546	1861.524	-0.32544	0.009365	0.110137	0.46658	0.343126	0.037185
AT2G27690	CYP94C1	11.88904	12.48972	18.02716	45.36571	39.08557	61.80413	56.91542	48.55005	56.62227	10.55489	10.64267	6.215439	1.601511	3.35E-06	1.783236	4.12E-07	-0.53954	0.464795
AT2G27700	AT2G27700	1.188904	0	0	0	0	0	0.889303	1.07889	0	0	0	0	-0.26887	NA	0.130815	NA	-0.23129	NA
AT2G27710	RPB2B	939.2341	785.0683	909.084	1444.279	1346.133	843.3273	665.199	633.3084	1537.587	766.669	980.4561	1129.138	0.421265	0.301571	0.096476	0.850438	0.114706	0.403425
AT2G27720	RP22A	947.5564	765.4415	835.6877	1254.568	1216.29	800.4631	725.6716	617.125	1920.276	756.1141	686.4523	1017.26	0.315431	0.517909	0.311842	0.543252	-0.04482	0.969226
AT2G27730	AT2G27730	433.9499	529.9211	533.0889	937.833	1091.746	800.6431	637.6306	596.6261	1151.397	709.0968	787.5577	650.9439	0.886314	0.00012	0.648374	0.00772	0.500946	0.154855
AT2G27740	AT2G27740	27.34479	26.76369	39.91728	24.74493	23.84882	14.95261	16.00746	10.7889	37.34489	47.42189	42.57069	30.04129	-0.48923	0.217972	-0.7143	0.083311	0.197153	0.800512
AT2G27750	AT2G27750	0	0	1.287654	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT2G27760	IP2T	67.76752	57.09587	73.3963	72.17273	68.23413	63.79781	92.48756	73.36452	56.62227	70.0461	54.54369	74.58527	0.037576	0.912123	0.153124	0.6393	0.005372	0.99372
AT2G27770	AT2G27770	179.5245	208.7568	155.8062	132.7978	147.7302	131.583	183.1965	135.9401	142.5319	178.4736	258.0848	182.3195	-0.38223	0.080441	-0.21983	0.380542	0.180313	0.652681
AT2G27775	AT2G27775	43.98945	37.46917	42.49259	42.4788	54.98478	29.90522	41.79726	32.3667	56.62227	44.13864	50.55269	44.54398	0.045834	0.912123	0.068036	0.877723	0.144029	0.835858
AT2G27780	AT2G27780	0	0	0	0.412416	0	0	0.889303	0	0	0.976246	0	0	0.064654	NA	0.1330334	NA	0.193679	NA
AT2G27790	AT2G27790	16.64466	23.1952	23.17778	37.94223	43.06037	27.91154	27.56841	28.05114	51.74104	23.98839	18.62468	47.6517	0.716859	0.082329	0.684698	0.119072	0.471026	0.514465
AT2G27800	AT2G27800	47.55616	71.36984	68.24568	54.85127	46.37271	61.80413	66.69756	63.65451	65.40848	66.20796	67.84703	78.7289	0.180788	0.522161	0.079317	0.818148	0.952081	0.693477
AT2G27810	NAT12	336.4598	212.3253	218.9012	146.8199	136.4683	210.3334	143.1779	162.9124	153.2706	181.3522	248.7725	193.7145	-0.63048	0.007155	-0.72066	0.002582	-0.29903	0.466341
AT2G27820	ADT3	361.4268	319.38	312.9	204.5581	196.7528	207.3429	141.3993	145.6501	164.9856	290.7393								

AT2G28290	SYD	2073.448	1347.106	1142.149	560.8852	527.9864	741.6495	723.893	966.6854	571.1039	1171.593	1210.604	1069.056	-1.2692	3.07E-08	-0.97466	3.66E-05	-0.38832	0.31698
AT2G28305	LOG1	235.403	226.5992	251.0926	271.3664	237.1633	268.1502	252.5622	233.0402	308.4937	259.0746	296.6645	255.8689	0.118787	0.535966	0.15092	0.494968	0.177322	0.557232
AT2G28310	AT2G28310	277.0146	290.8321	336.0778	274.2564	225.9013	269.147	241.0012	223.3302	230.3941	290.7393	284.6915	295.2334	-0.22943	0.151566	-0.37375	0.019446	-0.05331	0.879935
AT2G28315	AT2G28315	22.58917	21.41095	21.89012	11.13522	4.637271	9.968408	7.114428	11.86779	16.59618	24.94793	27.93701	20.71813	-1.16224	0.00606	-0.7807	0.094435	0.142324	0.880174
AT2G28320	AT2G28320	215.1916	246.226	175.121	157.9552	147.7302	193.3871	165.4014	210.3835	107.3871	175.599	158.3097	205.1095	-0.3382	0.194277	-0.37977	0.161934	-0.22355	0.625371
AT2G28330	AT2G28330	27.34479	35.68492	24.45623	39.5919	37.76063	35.88627	38.24005	38.84004	45.88356	30.52886	30.59768	44.54398	0.371102	0.29278	0.47517	0.193165	0.169488	0.815889
AT2G28340	GATA13	1.188904	0	0	0.412416	1.324935	0	0.889303	0	0.972646	0	0	1.035907	0.09132	0	0.102133	0	-0.04711	NA
AT2G28350	ARF10	99.86793	105.2705	86.27284	134.0351	139.1181	130.5861	105.8271	101.4157	124.9595	98.83217	99.77505	111.8779	0.467524	0.015909	0.190734	0.425699	0.095977	0.833777
AT2G28355	LCR5	0	1.784246	0	0	0	0	0	0.889303	0	0	0	3.991002	-0.28795	0	-0.09526	NA	0.272547	NA
AT2G28360	AT2G28360	260.37	237.3047	252.3803	128.9927	128.6142	226.2829	291.6915	251.3814	171.8193	224.5313	247.4421	255.8689	-0.17527	0.426609	-0.06854	0.795758	-0.04562	0.925359
AT2G28370	AT2G28370	473.1838	567.3902	561.4173	527.4795	549.8478	509.3856	464.2164	502.7627	630.6549	553.6521	572.0436	423.6858	-0.01081	0.963282	-0.00202	0.993405	-0.04651	0.911596
AT2G28380	DRB2	417.3053	331.8698	306.4617	217.7554	270.9491	252.2007	220.5473	261.0914	205.9879	283.063	301.9858	292.1256	-0.50878	0.002889	-0.61155	0.000428	-0.26646	0.346812
AT2G28390	AT2G28390	306.7372	303.3218	280.7086	240.8507	235.1759	228.2765	238.3333	264.328	159.1281	314.7277	301.9858	286.9461	-0.32932	0.084464	-0.41994	0.031156	0.021271	0.96566
AT2G28400	AT2G28400	29.7226	30.33218	28.3284	81.24587	64.25933	87.72199	55.13682	49.62894	95.67211	20.15025	14.63367	18.64632	1.308291	2.26E-05	1.101336	0.000689	-0.63117	0.271055
AT2G28401	AT2G28401	0	0	0	0	0	0	0	0.889303	0	0	0	0	0	NA	0	NA	0	NA
AT2G28405	LCR32	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G28410	AT2G28410	118.8904	99.91778	136.4914	68.04857	70.884	70.7757	56.91542	50.70783	85.90965	162.1615	187.5771	126.3806	-0.74158	0.001888	-0.8457	0.000641	0.396719	0.292875
AT2G28420	AT2G28420	2.377808	8.92123	5.150617	8.248311	10.59948	16.94629	5.335821	8.63112	11.71495	15.35257	15.96401	9.323159	0.855206	0.118168	0.49579	0.440412	1.039431	NA
AT2G28425	AT2G28425	3.566712	1.7136984	3.862963	4.536571	9.274542	3.987363	4.446517	2.15778	3.904984	4.797678	6.65167	4.143626	0.262288	0.714242	-0.26746	0.732724	0.090132	NA
AT2G28430	AT2G28430	112.9459	119.5445	148.0802	190.1236	211.3271	127.5956	120.056	98.17898	294.8263	189.0285	186.2468	198.8941	0.441447	0.222788	0.396839	0.304347	0.54683	0.30483
AT2G28440	AT2G28440	2.377808	1.7136984	3.862963	5.737818	6.624673	9.968408	0.889303	7.55223	7.809968	7.676285	7.982004	9.323159	0.529352	0.412294	0.194306	0.806699	0.676255	NA
AT2G28450	AT2G28450	223.5139	239.2089	206.0247	150.5317	122.5564	155.5072	164.5211	207.1469	106.4108	169.8378	156.9794	182.3195	-0.61947	0.005723	-0.46788	0.052723	-0.37564	0.299162
AT2G28460	AT2G28460	20.21137	23.1952	14.1642	19.79595	20.53649	18.93997	18.67537	17.26224	18.54867	31.66468	14.63367	21.75404	0.055686	0.9145	-0.05451	0.922958	0.257946	0.748095
AT2G28470	BGAL8	1557.464	1259.678	1337.873	391.3824	355.7449	413.6889	339.7139	372.217	240.1565	1567.881	1603.052	1391.222	-1.80815	9.77E-32	-2.0865	1.07E-40	0.131326	0.687724
AT2G28480	AT2G28480	97.49012	110.6233	108.163	123.3123	135.8058	129.5893	141.3993	126.2301	149.3656	96.9131	106.4267	129.4883	0.292396	0.156964	0.395934	0.059845	0.076461	0.86931
AT2G28490	AT2G28490	0	0	0	0	0	0	1.778607	0	0.972646	0	0	1.035907	0	NA	0.463781	NA	0.176341	NA
AT2G28500	LB11	13.07794	3.568492	15.45185	14.43455	21.86142	21.9305	41.79726	44.23449	39.04984	7.676285	13.30334	7.251346	0.639221	0.15139	1.684871	2.23E-05	-0.25036	0.796296
AT2G28507	AT2G28507	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G28510	DOF1	105.8125	90.99655	100.437	144.7579	125.8688	133.5767	144.0672	128.3879	106.4108	77.72239	101.1054	107.7343	0.42818	0.045519	0.334365	0.158205	-0.06419	0.902029
AT2G28520	VHA-A1	331.7042	274.7739	276.8457	236.3141	233.8509	334.9385	297.0274	258.9336	194.273	243.722	240.7904	257.9407	-0.14105	0.560712	-0.23085	0.339472	-0.24591	0.50255
AT2G28540	AT2G28540	389.9605	367.5547	328.3519	255.6977	224.5764	269.147	319.2599	388.4004	243.0853	305.1323	315.2892	335.6337	-0.52524	0.003987	-0.18913	0.386568	-0.17962	0.598351
AT2G28550	RAP2-7	731.1759	806.4792	876.8928	755.9577	668.4295	805.4473	582.4938	516.7883	425.6433	701.4205	725.032	748.9604	-0.11372	0.51679	-0.65189	8.85E-06	-0.14789	0.595754
AT2G28560	RAD51B	8.322328	5.352738	3.862963	7.42348	2.649869	5.981045	4.446517	3.23667	0	2.878607	1.330334	9.323159	-0.06275	0.940292	-0.70353	0.325468	-0.22289	NA
AT2G28570	AT2G28570	22.58917	28.54794	34.76667	13.77468	184.1659	164.4787	196.5361	135.9401	225.5128	34.54328	29.26735	30.01429	2.355463	4.99E-19	2.551978	4.83E-22	0.112019	0.87895
AT2G28580	AT2G28580	26.15589	14.27397	20.60247	8.660727	3.12336	8.971567	8.893035	3.23667	6.833722	17.27164	22.61568	12.43088	-1.31478	0.004518	-1.37847	0.005012	-0.22114	NA
AT2G28590	AT2G28590	26.15589	26.76369	39.91728	36.70499	36.4357	46.85152	37.35073	33.44559	31.23987	32.62421	27.93701	35.22802	0.321459	0.348942	0.120031	0.780549	0.04035	0.963009
AT2G28600	AT2G28600	194.9802	155.2294	198.2988	154.6558	174.8914	164.4787	151.1816	151.0446	225.5128	165.9997	139.6851	198.8941	-0.15517	0.537157	-0.06064	0.83907	-0.1189	0.796296
AT2G28605	PPD2	476.7505	460.3345	477.7198	401.2804	446.5029	363.8469	486.449	416.4515	589.6526	646.727	752.969	592.5385	-0.21841	0.231136	0.075848	0.732436	0.482517	0.025385
AT2G28610	WOK3	2.377808	1.784246	0	2.062078	0.662467	3.987363	2.66791	3.23667	0	0.995936	5.321336	4.196262	0.236132	0.76761	0.179474	0.835055	0.584152	NA
AT2G28620	AT2G28620	203.2036	142.7397	191.8605	176.5139	174.2289	218.3081	230.3296	238.4347	114.2208	261.9532	271.3881	248.6176	0.065889	0.842629	0.103447	0.762414	0.509596	0.181089
AT2G28625	AT2G28625	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G28630	KCS12	426.8165	424.6506	357.9679	402.93	492.8757	512.3762	446.4303	386.2426	511.5529	256.196	327.2622	342.8851	0.212607	0.278703	0.151372	0.487909	-0.37761	0.161832
AT2G28640	ATEX070H5	0	0	0	0	0.662467	0	0.889303	0	0	0	0	0	0.097058	NA	0.130384	NA	0	NA
AT2G28650	ATEX070H8	16.64466	26.76369	11.58889	13.60971	25.83622	14.95261	17.78607	23.73558	28.31113	17.27164	30.59768	22.78994	0.009907	0.986753	0.332042	0.5165	0.33323	0.685108
AT2G28660	AT2G28660	80.84547	82.07532	81.12222	106.8156	98.70762	107.6588	146.7351	118.6779	103.4821	53.734	50.55269	63.86714	0.350472	0.122404	0.584064	0.008472	-0.59699	0.068271
AT2G28670	DIR10	4.755616	1.784246	3.862963	2.886909	2.649869	0.996841	1.778607	1.07889	0.972646	3.838143	2.660668	1.035907	-0.3516	0.638116	-0.7433	0.306639	-0.28417	NA
AT2G28671	AT2G28671	0	1.784246	0	2.062078	0	0	0.889303	3.23667	0	0	3.991002	1.035907	0.070018	0.925884	0.287133	0.681092	0.359017	NA
AT2G28680	AT2G28680	3.566712	3.568492	0	0.824831	0	0	0.889303	0	1.952492	8.635821	1.330334	10.35907	-0.91405	0.17258	-0.49452	0.516361	0.975035	NA
AT2G28690	AT2G28690	3.566712	5.352738	6.438272	2.062078	1.324935	1.993682	0	1.07889	2.928738	4.797678	6.65167	8.287252	-0.93259	0.150655	-1.07762	0.110333	0.926426	NA
AT2G28700	AGL4	0	0	0	0	0	2.990522	0	1.07889	1.952492	0.995936	0	0	0.369045	NA	0.403313	NA	0.133506	NA
AT2G28710	AT2G28710	7.133424	5.352738	6.438272	37.1174	36.4357	38.87679	18.67537	32.3667	45.88356	14.39303	17.29434	8.287252	2.111501	5.52E-07	0.1901858	1.28E-05	0.757975	0.319156
AT2G28720	AT2G28720	584.9407	685.1505	732.6753	864.8355	1022.187	678.8486	1203.228	819.9564										

AT2G29210	AT2G29210	535.0068	503.1574	506.0482	495.3111	416.6919	464.5278	406.4117	488.7371	430.5245	429.872	445.6619	411.2549	-0.16323	0.264977	-0.22069	0.139211	-0.26238	0.205441
AT2G29220	LECRK31	0	0	0	1.237247	0	1.993682	0.889303	0	0	0	1.330334	0	0.512019	NA	0.136416	NA	0.185664	NA
AT2G29230	AT2G29230	1.188904	0	1.287654	0	0	0	1.778607	0	0	0	2.660668	0	-0.46402	NA	-0.09432	NA	-0.01353	NA
AT2G29240	AT2G29240	0	0	0	0	0	0	0	0	0	0	1.035907	0	0	NA	0	NA	0.172362	NA
AT2G29250	LECRK32	0	0	0	0	0	0	0	2.15778	0	0	0	0	0	0	0.266481	NA	0	0.76911
AT2G29260	AT2G29260	8.322238	16.05821	14.1642	34.64291	37.09817	32.89575	33.79353	40.99782	40.02609	7.676285	9.312338	13.46678	1.334536	0.000254	1.44788	9.99E-05	-0.26204	0.76911
AT2G29263	AT2G29263	0	0	0	4.536571	3.132336	1.993682	0.889303	4.31556	4.88123	0.959536	1.330334	1.035907	1.294056	0.040633	1.228975	0.061458	0.458308	NA
AT2G29270	AT2G29270	2.377808	0	1.287654	12.78488	12.78488	3.987363	5.52714	6.47334	10.73871	0.959536	0	3.10772	1.487666	0.015736	1.251456	0.056403	-0.0248	NA
AT2G29280	AT2G29280	0	0	0	0.412416	0	0.996841	0	0	0	0.959536	0	0	0.245807	NA	0	NA	0.171544	NA
AT2G29290	AT2G29290	527.8734	613.7806	651.5531	254.4604	249.7502	233.2607	388.6256	416.4515	397.3321	742.6806	802.1914	772.7863	-1.26088	3.14E-26	-0.56914	5.01E-06	0.368016	0.023716
AT2G29300	AT2G29300	122.4571	124.8972	151.9432	34.23049	35.11077	29.90522	74.70149	63.65451	80.05217	203.4216	192.8984	202.0018	-1.93163	8.83E-23	-0.8464	2.03E-05	0.57309	0.017079
AT2G29310	AT2G29310	469.6171	467.4725	516.3494	283.3295	317.3218	258.1818	490.8955	391.637	479.3368	648.6461	557.4099	635.0933	-0.74497	4.58E-07	-0.09169	0.643882	0.383078	0.070998
AT2G29320	AT2G29320	234.2141	269.4212	251.0926	376.9478	412.7171	329.9543	353.9428	354.9548	371.9497	214.936	187.5771	232.0431	0.570174	0.000108	0.153343	0.000782	-0.132541	0.372688
AT2G29330	TRI	0	0	0	0.824831	0.662467	0	1.778607	1.07889	0	0	1.330334	0	0.276569	NA	0.478089	NA	0.1936	NA
AT2G29340	AT2G29340	196.1692	276.5581	212.463	566.2466	482.9386	353.8785	465.1057	377.6115	444.1919	219.7337	375.1542	272.4434	1.006582	8.66E-06	0.882232	0.000149	0.327595	0.4181
AT2G29350	SAG13	85.60108	87.42806	162.2444	2557.801	2520.026	2544.935	1630.983	1304.378	1071.918	84.43914	95.78405	71.47755	4.341737	1.02E-95	3.439909	4.98E-60	-0.407	0.311768
AT2G29360	SDR	656.275	817.1847	790.6198	828.1305	893.0059	717.7254	779.9192	573.9694	657.9898	788.7383	683.7917	895.0232	0.108798	0.59447	-0.16404	0.425767	0.066566	0.866158
AT2G29370	AT2G29370	1.188904	3.568492	1.287654	0.412416	0	0.662467	0	5.35821	9.710009	2.928738	0.959536	1.330334	3.10772	-0.83698	0.220639	-1.045825	0.127782	-0.03354
AT2G29380	HA13	0	0	0	1.237247	2.649869	5.981045	2.66791	1.07889	0.976246	0	0	2.078113	1.206703	0.049942	0.684902	0.314685	0.305709	NA
AT2G29390	SMO2-1	337.6487	283.0951	300.0235	263.946	245.1129	247.2165	235.6654	198.5157	247.9665	327.2016	320.6105	278.6589	-0.28269	0.075879	-0.42946	0.007261	0.002377	0.995969
AT2G29400	TOPP1	965.39	1052.705	999.2198	1467.375	1472.002	1671.702	1413.103	1497.499	1382.364	198.2318	197.9304	813.1866	0.606524	2.47E-08	0.505642	6.15E-06	-0.16867	0.391263
AT2G29410	MTPB	11.88904	3.568492	7.725926	7.011065	7.725926	7.725926	5.35821	5.39445	12.6912	9.676285	9.312338	12.43088	-0.10771	8.075081	-0.03708	0.9561278	0.22317	NA
AT2G29420	GSTU7	92.73451	103.4863	113.3136	143.933	164.9544	151.5198	147.6244	147.8079	300.6838	89.23681	85.14137	87.01615	0.544667	0.051474	0.901856	0.000821	-0.22935	0.675122
AT2G29430	AT2G29430	1.188904	0	0	0.412416	0.662467	0	0.889303	0	0	0	0	0	-0.00593	NA	-0.05489	NA	-0.23534	NA
AT2G29440	GSTU6	11.88904	10.70548	20.60247	11.13522	9.274542	6.977885	10.41119	10.7889	19.52492	14.39303	18.62468	13.46678	-0.54279	0.270892	-0.54279	0.605508	0.046614	NA
AT2G29450	GSTU5	738.3094	838.5956	861.4408	843.3899	872.4694	806.4442	1116.965	1126.361	1683.048	1136.09	1229.229	1094.953	0.048874	0.829124	0.674914	6.11E-05	0.495443	0.02743
AT2G29452	AT2G29452	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G29460	GSTU4	11.88904	14.27397	10.30123	230.9527	257.6998	254.1944	537.1393	477.9482	676.5385	13.4335	17.29434	7.251346	4.006924	6.2E-45	5.173371	2.68E-75	-0.0102	0.992665
AT2G29470	GSTU3	1.188904	1.784246	9.01358	50.3147	50.34751	51.83572	38.24005	31.28781	33.19236	0	1.330334	0	3.072246	3.53E-13	2.517321	9.1E-09	-1.14962	0.181799
AT2G29480	GSTU2	0	0	2.575309	10.7228	4.637271	7.97426	12.45025	5.39445	3.904984	0	1.330334	1.035907	1.615403	0.000858	1.505794	0.018615	-0.13942	NA
AT2G29490	GSTU1	8.322238	14.27397	23.17778	28.45667	42.39791	29.90522	44.46517	26.97225	43.93107	23.98839	26.60668	15.5386	1.00138	0.011284	1.186111	0.003022	0.441848	0.555797
AT2G29500	HSP17.6B	7.133424	7.136984	6.438272	6.186234	5.962205	1.993682	9.782338	10.7889	7.809968	18.23118	13.30334	7.251346	-0.37157	0.554069	0.350342	0.596668	0.729252	NA
AT2G29510	AT2G29510	665.7862	599.5067	569.1432	323.3338	335.2084	429.6384	440.2052	488.7371	307.5175	509.5134	457.6349	500.3429	-0.7422	0.000046	-0.55724	0.003639	-0.31418	0.296514
AT2G29520	AT2G29520	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G29525	IPCS3	79.65656	92.78079	119.7519	92.38109	82.14594	92.70619	106.7164	96.0212	73.21845	108.4275	117.0694	72.51346	-0.12434	0.684508	-0.07792	0.821796	0.021798	0.976106
AT2G29530	TIMR10	64.20081	85.64381	105.5877	185.994	183.5034	121.6146	133.3955	112.2046	156.1994	101.7108	91.79304	98.41112	0.920528	0.000107	0.630559	0.014606	0.18842	0.711499
AT2G29540	ATRPC14	42.80054	49.95889	38.62963	134.4475	88.10815	77.75358	55.13682	51.78672	95.57709	47.01725	58.53469	52.83123	1.163647	0.000212	0.611334	0.079549	0.248632	0.702132
AT2G29550	TUB87	1159.181	1054.489	1099.657	913.5005	1022.187	925.0682	909.7575	937.5554	992.8422	1028.622	1024.357	1154	-0.21185	0.069582	-0.22223	0.067135	-0.04766	0.85295
AT2G29560	EN03	307.9261	280.1266	275.558	288.61798	288.8357	308.0238	279.2413	244.908	313.375	316.6468	287.3521	273.4793	0.018412	0.928981	-0.04431	0.834032	0.021766	0.958253
AT2G29570	PCNA2	80.85369	269.4212	233.0654	249.5114	256.3478	247.2165	173.4142	194.2002	245.0377	266.7509	295.3341	303.5206	-0.06304	0.768445	-0.35674	0.052007	0.132541	0.691086
AT2G29580	AT2G29580	84.54347	85.64381	66.95803	79.18379	69.55906	74.76306	76.60119	58.57476	76.60119	84.43914	77.15937	78.7289	-0.04879	0.6867187	-0.19489	0.478128	0.051071	0.928827
AT2G29590	AT2G29590	59.4452	82.07532	36.05432	98.97974	100.695	63.79781	76.4801	66.89118	107.3871	69.08657	49.22236	71.47755	0.564621	0.078615	0.485769	0.16108	0.115717	0.874874
AT2G29600	AT2G29600	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT2G29605	AT2G29605	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G29610	AT2G29610	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.172362	NA
AT2G29620	AT2G29620	11.88904	7.136984	11.58889	9.485558	12.58688	8.971567	18.67537	7.55223	10.73871	12.47396	13.30334	17.61041	-0.01731	0.978744	0.213107	0.734392	0.394171	NA
AT2G29628	AT2G29628	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G29630	THIC	2966.315	3595.256	3159.904	2774.732	2482.265	3008.465	4726.648	5496.944	4686.957	3792.085	3323.174	3863.931	-0.23101	0.103995	0.610714	2.18E-06	0.147416	0.451852
AT2G29640	JOSL	55.87849	55.31163	70.82099	73.40997	77.50867	79.74726	68.47637	65.81229	51.74104	44.13864	66.5167	58.01077	0.319615	0.230799	0.025121	0.944733	-0.12477	0.83094
AT2G29650	ANTR1	1754.822	1943.044	1731.895	1067.744	1045.373	1046.683	1073.389	1031.419	754.6382	1639.846	1664.248	1868.775	-0.76913	3.26E-08	-0.91112	5.02E-11	-0.06793	0.837272
AT2G29654	AT2G29654	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G29660	AT2G29660	48.74506	33.90067	38.62963	30.10634	33.78583	36.88311	24.9005	30.20892	32.21612	28.78607	23.94601	38.32854	-0.28041	0.418392	-0.46167	0.195138	-0.38949	0.486687
AT2G29670	AT2G29670	2161.427	2842.304	2452.982	1875.254	1711.153	2063.46	2119.21	2068.232	1346.243	2553.324	2822.699	2570.084	-0.39112	0.038923	-0.41997	0.030287	-0.090376	0.824687
AT2G29679	AT2G29679	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT2G2																			

ATZG30160	ATZG30160	124.8349	87.42806	91.42346	126.6116	143.7554	106.662	102.2699	97.10009	116.1733	77.72239	111.7481	106.6984	0.297607	0.227127	0.042292	0.897427	-0.05458	0.926164	
ATZG30170	ATZG30170	355.4823	339.0067	404.3235	253.2232	292.8105	238.2449	387.7363	339.8503	429.5482	467.2939	389.7879	460.9784	-0.47902	0.002577	0.071874	0.735034	0.25854	0.311986	
ATZG30180	ATZG30180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ATZG30190	ATZG30190	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
ATZG30200	ATZG30200	532.629	520.9998	490.5963	367.4623	382.9061	387.7711	424.1978	46.9504	395.3796	600.6693	625.257	619.4721	-0.43903	8.81E-05	-0.29506	0.015357	0.254623	0.128698	
ATZG30210	LAC3	5.94452	1.784246	3.862963	4.948987	6.624673	5.981045	5.335821	5.39445	2.928738	3.838143	1.330334	1.035907	0.388483	0.577651	0.117718	0.889016	-0.52582	NA	
ATZG30220	ATZG30220	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
ATZG30230	ATZG30230	80.84547	96.34929	54.08148	145.5827	155.0173	106.662	124.5025	87.39009	181.5818	45.09817	77.15937	77.69299	0.779723	0.012151	0.728181	0.025087	-0.19326	0.77299	
ATZG30240	CHX13	0	0	0	0	0.662467	0	0	0	0.976246	0.995936	1.330334	0	0.093315	NA	0.163739	NA	0.371282	NA	
ATZG30250	WRKY25	272.259	353.2807	263.9691	1033.926	1012.912	1144.373	1000.466	878.2164	681.4197	173.6759	203.5411	172.9964	1.811897	3.77E-28	1.500701	2.54E-19	-0.67134	0.003832	
ATZG30260	UZB*	376.8826	383.6129	363.1185	400.8679	406.0924	357.8658	433.0908	395.9526	491.0517	309.93	375.1542	363.6032	0.055933	0.76154	0.23129	0.153595	-0.10043	0.740236	
ATZG30270	ATZG30270	130.7794	121.3287	178.984	196.3098	247.7628	180.4282	166.2998	133.7824	252.8477	94.03449	158.3097	128.4524	0.506538	0.072955	0.338069	0.282263	-0.1811	0.750218	
ATZG30280	RDM4	154.5575	149.8767	115.8889	159.1924	156.3423	176.4408	160.9639	144.5713	199.1542	171.7569	202.2108	166.784	0.219048	0.309935	0.261017	0.245888	0.352135	0.253376	
ATZG30290	VS2	0	0	0	0	1.324935	0	0.889303	0	0.976246	0.995936	0	0	0.214202	NA	0.301675	NA	0.157735	NA	
ATZG30300	ATZG30300	1.188904	0	0	0	0.662467	0	0	0	0.995936	1.330334	1.035907	0	-0.15495	NA	-0.28239	NA	0.341841	NA	
ATZG30310	ATZG30310	0	0	2.575309	0	0	0	0	0	0	0	1.330334	0	-0.40396	NA	-0.38147	NA	-0.17864	NA	
ATZG30320	ATZG30320	154.5575	155.2294	177.6963	113.4143	129.1811	123.6083	130.7276	104.6523	169.8668	195.7453	184.9164	195.7863	-0.40866	0.044091	-0.25851	0.259934	0.235966	0.498938	
ATZG30330	BLOS1	43.98945	64.23286	65.67037	61.86234	82.80841	53.8294	65.80846	45.31338	105.4346	66.20796	75.82904	74.58527	0.190484	0.609892	0.306632	0.413099	0.301463	0.606501	
ATZG30340	LB13	0	0	0	0	0	0	0	0	1.07889	0	1.919071	1.330334	0	NA	0.171591	NA	0.515566	NA	
ATZG30350	ATZG30350	104.6235	149.8767	131.3407	115.8888	147.0677	116.6304	150.2923	138.0979	127.8882	155.4448	204.8714	131.5601	-0.01234	0.967874	0.11768	0.685308	0.342379	0.345735	
ATZG30360	CIPK11	8.322328	1.784246	9.01358	15.67179	20.53649	13.95577	14.22886	18.34113	33.19236	5.757214	9.312338	8.287252	1.049813	0.034659	1.378805	0.005396	0.117944	NA	
ATZG30362	ATZG30362	0	0	0	0	0.662467	0	0	0	1.778607	1.07889	0	0	0.081389	NA	0.466291	NA	0.17166	NA	
ATZG30370	EPFL6	23.77808	10.70548	14.1642	22.68286	29.14856	22.92734	17.78607	15.10446	16.59618	23.02886	14.63367	16.5745	0.520923	0.21519	-0.01636	0.977807	0.113455	0.908715	
ATZG30380	ATZG30380	2.377808	1.784246	2.575309	2.886909	1.324935	1.993682	4.446517	5.39445	1.952492	2.878607	5.321336	8.287252	-0.1141	0.893317	0.436868	0.569731	0.767005	NA	
ATZG30390	FC2	856.0108	720.8354	779.0309	621.5103	574.3591	604.0855	973.7873	993.6576	955.7448	817.5244	889.9934	867.0538	-0.38834	0.000412	-0.304862	0.007721	0.122015	0.551888	
ATZG30395	OPF17	5.94452	3.568492	5.150617	4.124156	3.312336	4.984204	2.66791	6.47334	5.874766	6.716749	5.321336	8.287252	-0.22135	0.75848	-0.01644	0.984222	0.343901	NA	
ATZG30400	OPF2	9.511232	3.568492	3.862963	6.598649	7.949607	8.971567	14.22886	6.47334	14.64369	10.55489	3.991002	11.39497	0.270265	0.67895	0.780416	0.189857	0.433658	NA	
ATZG30410	TFC4	236.5919	237.3047	281.9963	346.0167	310.0347	272.1375	203.6505	156.439	373.9022	278.2653	259.4151	305.5924	0.284576	0.331702	-0.04059	0.91327	0.150372	0.787236	
ATZG30420	ETC2	10.70014	8.91213	15.45185	23.9201	23.84882	16.94229	26.6791	26.97225	34.16861	12.47396	14.63367	18.64632	0.768448	0.064598	1.147748	0.004979	0.293742	0.734237	
ATZG30424	TCL2	26.15589	26.72623	25.75309	13.73057	125.8688	111.96429	11.96429	73.81219	58.26006	79.07593	34.54328	43.90102	0.686876	0.122323	0.53E-17	0.136225	0.102E-06	0.265891	0.158004
ATZG30430	ATZG30430	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
ATZG30432	TCL1	14.26685	8.92123	7.725926	3.299325	4.637271	2.990522	7.114428	3.23667	6.833722	7.676285	21.28534	16.5745	-1.14781	0.034368	-0.64978	0.289405	0.440575	NA	
ATZG30440	TPP1	1322.061	1479.14	1337.873	1611.72	1770.113	1688.648	1992.04	1885.9	2116.501	1081.397	1233.22	1275.201	0.291635	0.011556	0.531797	1.34E-06	-0.20275	0.268099	
ATZG30450	ATZG30450	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
ATZG30460	ATZG30460	208.0582	223.0308	220.1889	166.6159	182.841	206.346	194.7575	145.6501	130.817	237.0053	186.2468	212.3608	-0.22955	0.273698	-0.44983	0.027756	-0.02782	0.957294	
ATZG30470	VAL1	374.5047	349.7122	285.8593	261.4715	262.337	262.1691	200.9826	264.328	331.9236	204.3811	264.7365	222.7199	-0.35201	0.092459	-0.33348	0.132674	-0.53508	0.050761	
ATZG30480	ATZG30480	40.42273	41.03766	37.34198	60.21267	42.39791	44.85784	48.02239	34.52448	30.26363	46.05771	54.54369	34.18492	0.313378	0.356695	-0.06205	0.889105	0.162022	0.810702	
ATZG30490	CYP7A5	110.4942	95.9424	106.1027	1194.768	1180.517	1215.149	1068.943	1056.233	1046.536	1010.391	1116.15	1032.799	0.195228	0.065646	0.017925	0.901941	0.010698	0.970744	
ATZG30500	NET48	391.1494	437.1403	385.0086	549.75	538.5859	659.9086	417.0833	435.8715	466.6456	451.9413	424.3765	433.0089	0.520098	8.24E-05	0.123235	0.467025	0.133564	0.697219	
ATZG30505	ATZG30505	9.511232	16.05821	14.1642	23.50769	24.51129	17.94313	20.45398	25.89336	19.52492	23.98839	19.95501	9.323159	0.673314	0.122643	0.647198	0.16865	0.377311	0.644673	
ATZG30520	RPT2	3828.271	3375.793	3284.806	1952.788	2123.208	2175.107	1568.731	1477	1217.379	2492.874	2285.514	3066.283	-0.73954	3.12E-07	-0.17364	6.5E-20	-0.4127	0.004017	
ATZG30530	ATZG30530	183.0912	183.7773	218.9012	270.5446	251.0751	280.1123	273.9055	284.8269	268.4676	199.5834	147.6671	188.535	0.440827	0.006677	0.486052	0.003536	-0.12019	0.727223	
ATZG30540	GRX59	19.02246	8.91213	21.89012	25.98218	28.48609	20.93366	34.62884	21.5778	40.02609	16.31211	13.30334	33.16901	0.491512	0.275341	0.80347	0.068582	0.259206	0.769037	
ATZG30550	ATZG30550	164.0687	239.089	207.3123	480.4641	388.2058	406.711	206.3184	270.8014	227.4653	183.2713	145.0064	160.5655	1.052991	3.26E-09	0.208927	0.36246	-0.29722	0.365146	
ATZG30560	ATZG30560	0	1.784246	1.287654	0	0	0	0	0	1.952492	0.995936	0	0	-0.56473	NA	-0.12498	NA	0.054462	NA	
ATZG30570	PSBW	31524.98	33418.93	34010.81	18614.79	20074.08	15461	18664.7	15637.43	32104.83	38083.97	39150.4	40723.57	-0.84119	0.000103	-0.55658	0.016146	0.239412	0.555713	
ATZG30575	GAU75	134.3461	137.3869	127.4778	124.5495	117.9192	120.6177	137.842	130.5457	94.69586	141.0517	139.6851	151.2674	-0.12982	0.565786	-0.13061	0.959539	0.114429	0.779832	
ATZG30580	DRIP2	93.92341	83.89596	110.7383	103.1039	102.02	115.6335	90.70896	89.54786	78.09968	77.72239	79.82004	94.2649	0.133114	0.584522	-0.16382	0.532539	-0.19825	0.625212	
ATZG30590	WRKY21	286.5259	249.7944	296.1605	388.9079	396.8179	452.5657	343.2711	374.3748	365.116	236.0458	271.3881	282.8025	0.554189	8.41E-05	0.366748	0.017293	-0.08267	0.799463	
ATZG30600	ATZG30600	1556.275	1787.815	1616.006	1193.531	1083.796	1785.342	1974.254	2099.52	980.151	1827.915	1738.746	1754.826	-0.27342	0.33361	0.026132	0.943233	0.097473	0.886624	
ATZG30610	ATZG30610	5.94452	5.352738	1.287654	2.062078	3.312336	3.987362	2.66791	4.31556	1.952492	2.878607	2.660668	6.125489	-0.29946	0.689319	-0.3007	0.707453	-0.03536	NA	
ATZG30620	ATZG30620	1188.904	1206.15	1214.258	1322.617	1198.403	1152.348	1375.572	1182.463	1822.651	1039.177	816.8251	1415.048	0.025278	0.930008	0.271873	0.252879	-0.13675	0.749335	
ATZG30630	ATZG30630	1.188904	3.568492																	

AT2G31060	AT2G31060	298.4149	278.3424	269.1198	495.7235	414.042	444.591	418.8619	452.0549	328.0187	218.7741	236.7994	250.6894	0.668856	2.29E-05	0.492396	0.003374	-0.25742	0.360375
AT2G31070	TCP10	403.0384	417.5136	390.1593	282.5047	210.6646	280.1123	241.0012	261.0914	212.8216	357.9068	424.3765	386.3931	-0.63454	0.000057	-0.74613	3.24E-06	-0.05119	0.894225
AT2G31080	AT2G31080	0	0	0	0	0	0	0	0	0	0.959536	0	1.035907	0	NA	0	NA	0.332992	NA
AT2G31081	CLE4	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT2G31082	CLE7	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G31083	CLE5	0	0	0	0	0	0	0.889303	0	0.976246	0	0	0	0	NA	0.309898	NA	0	NA
AT2G31085	CLE6	0	0	0	0	0.412416	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT2G31090	AT2G31090	36.85602	48.17464	30.9037	48.25262	76.18374	36.88311	48.91169	28.05114	86.88589	35.50282	30.59768	51.79533	0.442824	0.304125	0.458902	0.312779	0.036194	0.974568
AT2G31100	AT2G31100	1.188904	0	1.287654	4.536571	5.962205	3.987363	4.446517	5.39445	2.928738	0	6.65167	0	1.092975	0.095022	0.942591	0.177659	0.345024	NA
AT2G31110	TBL40	89.1678	101.702	81.12222	183.9373	178.2037	157.5008	88.93035	89.54786	98.60085	78.68192	77.15937	78.7289	0.933583	2.81E-07	0.035685	0.901599	-0.19612	0.620586
AT2G31130	AT2G31130	105.8125	110.6233	97.86173	125.3743	130.5061	153.5135	143.1779	120.8357	137.6507	106.5085	141.0154	116.0215	0.364179	0.075865	0.350873	0.110425	0.198173	0.600891
AT2G31140	AT2G31140	204.4915	289.0479	296.1605	275.0812	366.3444	307.027	301.4739	261.0914	241.1328	353.1091	365.8418	293.1615	0.261134	0.217754	0.030751	0.9121	0.352942	0.24807
AT2G31141	AT2G31141	1.188904	0	1.287654	0	0.662467	1.993682	0.889303	2.15778	1.952492	0	0	2.071813	-0.08079	0.918648	0.317072	0.668528	-0.08418	NA
AT2G31150	AT2G31150	493.3951	504.9416	524.0753	401.2804	426.6289	417.6763	557.5933	491.9738	412.9521	636.1721	641.221	644.3339	-0.28738	0.041808	-0.05609	0.762414	0.33215	0.083558
AT2G31160	LSH3	41.61164	42.8219	27.00474	32.58083	27.82363	17.94313	25.7898	30.20892	31.23987	40.3005	33.25835	40.40035	-0.4215	0.230629	-0.32098	0.417922	0.047709	0.956991
AT2G31170	SYCO ARTH	300.7927	301.5376	318.0506	254.048	222.589	227.2797	305.0311	252.4602	231.3703	305.1323	297.9948	358.4237	-0.37652	0.020987	-0.21703	0.241247	0.063318	0.865138
AT2G31180	ATMYB14	0	0	0	1.237247	1.987402	0	4.446517	2.15778	3.904984	1.919071	0	0	0.510513	0.453677	1.308786	0.03521	0.303088	NA
AT2G31190	RUS2	127.2127	135.6027	126.1901	122.075	110.632	129.5893	148.5137	110.0468	113.2445	152.5662	159.6401	180.2477	-0.10104	0.668639	-0.05528	0.83907	0.336162	0.271055
AT2G31200	ADF6	305.5483	306.8903	390.1593	704.8182	906.9177	641.9655	595.8333	430.4771	770.2581	480.7273	516.1696	408.1472	1.129196	1.07E-07	0.812167	0.000254	0.46732	0.165154
AT2G31210	BHLH91	2.377808	1.784246	1.287654	2.474493	3.312336	0.996841	4.446517	1.07889	1.952492	4.797678	2.660668	4.143626	0.149518	0.855138	0.220964	0.799599	0.598304	NA
AT2G31215	AT2G31215	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT2G31218	AT2G31218	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G31220	BHLH10	17.83356	16.05821	19.31482	3.299325	4.637271	3.987363	5.335821	3.23667	1.952492	15.35257	10.64267	13.46678	-1.79399	0.000135	-1.82748	0.000273	-0.36133	NA
AT2G31230	ERF15	68.67903	82.07532	81.12222	98.56732	131.1685	109.6525	109.3843	96.0212	249.919	75.80331	70.5077	98.41112	0.342349	0.342504	0.740774	0.02792	-0.09161	0.907588
AT2G31240	AT2G31240	135.535	133.8185	133.9161	153.0062	160.9795	154.5103	154.7388	154.2813	136.6744	109.3871	106.4267	124.3088	0.21166	0.259219	0.141071	0.512829	-0.23803	0.448796
AT2G31250	HEMA3	5.94452	1.784246	1.287654	0.824831	0.662467	1.993682	5.335821	1.07889	0	1.919071	1.330334	0	-0.65458	0.349088	-0.22634	0.788761	-0.61872	NA
AT2G31260	APG9	265.1256	230.1677	198.2988	175.689	182.841	207.3429	241.0012	250.3025	196.2254	199.5834	183.5861	225.8276	-0.29644	0.117949	-0.0145	0.955411	-0.18228	0.590246
AT2G31270	CDT1A	149.8019	110.6233	86.27284	83.72036	97.38269	114.6367	88.93035	89.54786	57.59851	120.9015	111.7481	130.5242	-0.23682	0.407174	-0.53528	0.050938	0.061987	0.920768
AT2G31271	AT2G31271	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G31280	BHLH155	307.9261	285.4794	303.8864	183.1125	154.3549	193.3871	240.1119	235.198	142.5319	263.8723	312.6285	287.982	-0.74077	0.00017	-0.52522	0.012675	-0.05573	0.909596
AT2G31290	AT2G31290	80.84547	87.42806	91.42346	61.86234	57.63465	58.81361	67.5706	67.97007	62.47974	83.4796	77.15937	74.58527	-0.51937	0.01635	-0.37651	0.120162	-0.13358	0.77005
AT2G31300	ARPC1B	63.01191	110.6233	115.8889	138.5716	127.8562	134.5735	120.5056	112.2046	82.98091	105.5489	141.0154	96.33931	0.463199	0.070729	0.12899	0.699889	0.236928	0.623916
AT2G31305	INH3	85.60108	80.29107	74.68395	176.1015	213.3145	129.5893	141.3993	116.5201	206.9642	110.3466	102.4357	107.7343	1.065082	1.74E-05	0.90601	0.000453	0.391796	0.372446
AT2G31310	LBD14	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G31320	PARP1	127.2127	114.1917	118.4642	97.74249	82.14594	111.6462	98.71269	88.46897	66.38473	129.5373	155.6491	125.3447	-0.3067	0.18408	-0.49057	0.036287	0.175714	0.678888
AT2G31335	AT2G31335	0	0	0	0.824831	0	0	0	0	0	0	0	0	0.173038	NA	0	NA	0	NA
AT2G31340	emb1381	82.03437	82.07532	103.0123	68.04857	78.17114	75.7599	70.25498	78.75897	63.45599	84.43914	87.80204	84.94434	-0.27152	0.246504	-0.32681	0.190159	-0.05866	0.913186
AT2G31345	AT2G31345	0	0	0	0.824831	0	1.993682	1.778607	1.07889	0	0	0	0	0.45493	NA	0.456618	NA	0	NA
AT2G31350	GLX2-5	325.7597	351.4965	396.5975	485.4131	459.0898	394.7489	465.1057	428.3193	398.3084	417.398	494.8842	360.4955	0.317284	0.064697	0.262168	0.157844	0.237158	0.398983
AT2G31360	AD52	1471.863	1725.366	1585.102	1711.937	1595.884	1600.926	1666.555	1633.439	1710.313	1696.459	1523.232	1744.467	0.040285	0.071524	0.068861	0.618881	0.05658	0.810294
AT2G31370	POSF17	561.1627	579.88	521.5	497.1605	400.7927	459.5436	322.4005	322.5881	236.2515	659.201	698.4253	571.8204	-0.3505	0.549431	-0.80818	3.53E-06	0.210807	0.498975
AT2G31380	BBX25	569.485	681.582	605.1975	328.2828	318.6468	304.0364	174.3035	152.1235	114.2208	602.5884	494.8842	578.0358	-0.94349	5.46E-10	-0.20822	2.48E-38	-0.13997	0.650475
AT2G31390	AT2G31390	323.3819	306.8903	300.0235	412.828	459.7523	406.711	306.8907	284.8269	343.6386	284.0225	333.9138	299.377	0.453857	0.001156	0.00727	0.972253	-0.0253	0.948561
AT2G31400	GUN1	2515.721	2453.338	2333.23	2074.863	1821.123	2406.374	231.857	2696.146	1869.511	2119.614	1863.798	201.7173	-0.20973	0.230243	-0.08463	0.682696	-0.27944	0.267717
AT2G31410	AT2G31410	315.0595	305.1061	337.3654	525.8299	549.8478	433.6257	345.0498	309.6414	664.8235	282.1035	279.3701	373.9623	0.628453	0.015964	0.441533	0.120312	-0.03229	0.963091
AT2G31420	AT2G31420	0	1.287654	0	2.062708	0.662467	3.987363	2.66791	0	0.972646	0	0	0	0.723168	0.249362	0.350302	0.621911	-0.2739	NA
AT2G31425	AT2G31425	0	0	0	2.474493	0.662467	1.993682	3.552124	2.15778	0	0	0	1.035907	0.774506	0.208302	0.810714	0.197876	0.140491	NA
AT2G31430	AT2G31430	0	0	0	0	0.662467	0	0	0	0.976246	0	0	0	0.097788	NA	0.140077	NA	0	NA
AT2G31432	AT2G31432	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G31440	AT2G31440	228.2696	305.1061	266.5444	238.3762	217.9517	203.3555	202.7612	209.3046	209.8929	200.5429	191.5681	216.5045	-0.25641	0.126624	-0.34771	0.003326	-0.37576	0.107851
AT2G31450	NTH1	80.84547	99.91778	119.7519	122.8998	131.831	123.6083	128.949	106.8101	81.02842	113.2252	109.0874	103.5907	0.324557	0.171892	0.078619	0.800769	0.115743	0.816445
AT2G31460	AT2G31460	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT2G31470	DOR	2.377808	0	0	0	0	0	0.889303	0	0	0	0	0	-0.37882	NA	-0.20351	NA	-0.35324	NA
AT2G31480	AT2G31480	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G31490	AT2G31490	357.8601	322.9485	414.6247	625.222	637.2935	506.3951	380.6219	353.8759	777.0918	490.3227	537.4549	585.2872	0.659564	0.011968	0.441591	0.12428	0.530818	0.174006
AT2G31500	CPK24	0	0	0	0.412416	1.													

AT2G31945	AT2G31945	2.377808	0	0	28.45667	35.77323	29.90522	73.81219	38.84004	65.40848	0	0	4.143626	3.177781	6.52E-11	4.038984	3.02E-17	0.040763	0.981748
AT2G31953	LCR76	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT2G31955	CNX2	218.7583	226.5992	216.3259	306.4248	321.9591	314.0048	333.4888	303.1681	309.47	212.0574	192.8984	200.9659	0.505139	0.000166	0.513013	0.000214	-0.12013	0.676709
AT2G31957	LCR75	0	0	0	0	0	0	0.889303	0	0	0.959536	0	0	0	NA	0.13694	0	0.147196	NA
AT2G31960	CALS2	1124.703	906.397	874.3173	462.7303	391.5182	522.3446	578.0473	703.4362	399.2846	741.721	646.5423	685.7701	-1.05054	7.01E-08	-0.76951	0.000143	-0.47323	1.06412
AT2G31970	RAD50	325.7597	308.6746	298.7358	264.3584	274.9239	257.1849	343.2711	294.537	216.7266	302.2537	232.8084	285.9102	-0.22342	0.274917	-0.76951	0.600454	-0.17691	0.163447
AT2G31980	CYS2	4.755616	7.136984	5.150617	5.773818	3.312336	1.993682	2.66791	4.31556	3.904984	6.716749	10.64267	6.215439	-0.35197	0.607207	-0.42921	0.551866	0.364371	NA
AT2G31981	AT2G31981	0	0	0	0	0	0	0	0	0.96246	0	0	0	0	NA	0.16673	NA	0	NA
AT2G31985	AT2G31985	0	0	0	0	0	0	0.996841	0	0	0	0	0	0	NA	0	NA	0	0.152581
AT2G31990	AT2G31990	29.7226	23.1952	28.3284	45.36571	51.67245	44.85784	57.80473	51.78672	68.33722	16.31211	27.93701	26.93357	0.737972	0.016414	1.049285	0.000557	-0.21193	0.761421
AT2G32000	AT2G32000	198.547	162.3664	173.8333	151.3565	141.1055	149.5261	154.7388	165.0702	123.007	152.5662	139.6851	133.6319	-0.2754	0.145803	-0.2745	0.178052	-0.32643	0.256531
AT2G32010	CVL1	347.16	405.0238	319.3383	211.1568	200.0651	227.2797	265.0124	261.0914	125.9357	342.5542	399.1002	376.0341	-0.71815	0.002239	-0.68704	0.004637	0.060604	0.917438
AT2G32020	AT2G32020	3.566712	0	0	4.948987	8.612075	2.990522	10.67164	8.63112	9.76246	2.878607	1.330334	0	1.091363	0.086507	1.681895	0.006522	-0.01919	NA
AT2G32030	AT2G32030	2.377808	3.568492	5.150617	32.99325	30.47349	49.84204	35.57214	28.05114	48.8123	1.919071	3.991002	2.071813	2.663169	2.96E-09	2.664068	4.4E-09	-0.33657	0.771203
AT2G32040	AT2G32040	330.5153	433.5718	387.584	387.6706	384.231	359.8595	381.5112	350.6392	350.6392	384.8779	384.4665	316.9874	-0.01617	0.94054	-0.14079	0.462474	-0.14671	0.622829
AT2G32050	AT2G32050	0	0	0	1.237247	1.324935	1.993682	1.778607	1.07889	0	0.995936	1.330334	2.071813	0.735946	0.24861	0.470063	0.497844	0.690345	NA
AT2G32060	RP512C	916.6449	942.0819	902.6457	1224.049	1422.317	906.1283	835.056	672.1484	1256.429	1001.755	846.0924	1077.343	0.352405	0.148527	0.001587	0.996207	0.081053	0.879283
AT2G32070	CAF1-7	334.082	403.2396	413.337	399.2183	464.3896	470.5088	452.6555	403.5048	415.8808	390.531	456.3046	399.8599	0.209621	0.188154	0.146986	0.410841	0.114365	0.699592
AT2G32080	PUR1A	1167.504	1375.654	1310.832	1271.477	1422.317	1331.779	1216.567	1110.178	1106.087	1321.281	1153.4	1224.442	0.063814	0.657133	-0.16301	0.224475	-0.05545	0.836113
AT2G32090	AT2G32090	275.8257	335.4383	319.3383	326.6331	384.8935	252.2007	354.8321	221.1724	393.4271	378.057	351.2082	398.824	0.054769	0.851935	0.061307	0.844736	0.271755	0.492524
AT2G32100	OPF16	271.0701	260.4999	195.7235	152.5938	158.9921	108.6556	107.6057	111.1257	126.912	229.329	313.9588	194.7504	-0.75292	0.000747	-1.03328	4.22E-06	0.017164	0.979097
AT2G32110	AT2G32110	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G32120	HSP70-8	26.15589	23.1952	23.17778	12.78488	17.22415	14.95261	15.11816	20.49891	15.61994	36.46235	34.58868	24.86176	-0.64787	0.090697	-0.46423	0.283046	0.36911	0.573276
AT2G32130	AT2G32130	1.188904	5.352738	1.287654	9.897974	15.89921	16.94629	24.01119	11.86779	31.23987	1.919071	0	2.071813	1.746355	0.00134	2.332979	1.12E-05	-0.36057	NA
AT2G32140	AT2G32140	27.34479	26.76369	30.9037	148.4696	139.1181	186.4092	249.8943	245.9869	245.0377	23.98839	26.60668	29.00538	2.347222	5.62E-24	2.990086	1.01E-38	-0.10695	0.878314
AT2G32150	AT2G32150	266.3145	351.4965	288.4346	274.6688	281.5486	325.9669	469.5522	411.0571	490.0755	357.9068	290.0128	350.1364	-0.03599	0.869125	0.596511	0.000225	0.148787	0.637513
AT2G32160	AT2G32160	833.4217	1022.373	999.2198	951.4427	916.1922	859.2768	559.3719	500.6049	451.0256	711.0159	601.311	752.0681	-0.06176	0.734859	-0.90231	6.53E-11	-0.45719	0.013452
AT2G32170	AT2G32170	386.3938	413.9451	442.9531	398.3934	433.2536	438.6099	472.2201	471.4749	354.3773	432.7506	456.3046	469.2657	0.028466	0.887792	0.061706	0.761899	0.125831	0.669318
AT2G32179	AT2G32179	11.88904	8.92123	9.01358	8.248311	11.92441	13.95577	9.782338	19.42002	7.809968	19.19071	7.98204	9.323159	0.109573	0.864776	0.225493	0.731039	0.245226	NA
AT2G32180	PTAC18	10.70014	10.70548	10.30123	9.485558	14.57428	9.968408	13.39955	11.86779	18.54867	10.55489	15.96401	14.50269	0.071432	0.966999	0.39505	0.47577	0.296627	NA
AT2G32190	AT2G32190	0	0	2.575309	16.90904	11.26194	16.94629	22.23259	8.63112	25.3824	2.878607	1.330334	1.035907	2.299983	0.29E-05	2.567009	3.13E-06	0.205577	NA
AT2G32200	AT2G32200	2.377808	0	1.287654	5.773818	7.28714	4.984204	12.45025	5.39445	6.833722	0.995936	1.330334	0	1.22306	0.05041	1.556837	0.012819	-0.31186	NA
AT2G32210	AT2G32210	1.188904	1.784246	1.287654	47.01538	49.02258	52.83256	35.57214	31.28781	69.31347	0.995936	1.330334	0	3.630292	1.8E-14	3.502116	2.44E-13	-0.349	0.7809
AT2G32220	RPL27A	22.58917	21.41095	30.9037	35.88015	26.49869	31.8989	32.01493	23.73558	34.18681	26.867	23.94601	22.78994	0.306725	0.421252	0.23751	0.580562	-0.03149	0.975618
AT2G32230	PRORP1	946.3675	947.4346	1004.37	733.6873	699.5654	761.5864	914.204	930.0031	920.6	1127.454	1410.154	1090.81	-0.39816	0.001632	-0.06771	0.68353	0.318226	0.07143
AT2G32235	AT2G32235	5.94452	12.48972	16.73951	10.31039	7.949607	7.97426	8.893035	5.39445	10.73871	15.35257	6.65167	14.50269	-0.31366	0.589552	-0.3724	0.547693	0.087063	NA
AT2G32240	AT2G32240	889.3002	665.5238	651.5531	354.6774	337.1958	553.2466	738.1219	945.1076	586.7238	604.5050	635.8996	676.447	-0.80334	0.000331	-0.07386	0.906609	-0.19733	0.652681
AT2G32250	FRS2	160.502	196.2671	194.4358	194.6602	183.5034	232.6239	252.5622	281.5903	183.5342	180.3927	227.4871	177.14	0.141413	0.56406	0.373424	0.097825	0.082345	0.86482
AT2G32260	CCT1	394.7161	403.2396	445.5284	496.6139	522.6867	489.4488	451.7662	481.1849	626.7499	442.3459	428.3675	387.429	0.273884	0.094331	0.320822	0.055592	0.015759	0.971556
AT2G32270	ZIP3	8.322328	7.136984	3.862963	1.649662	1.324935	2.990522	1.778607	1.07889	0	5.757214	1.330334	3.10772	-1.11205	0.083008	-1.4623	0.024259	-0.57537	NA
AT2G32273	MIR417	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G32275	AT2G32275	27.34479	26.76369	36.05432	64.74925	56.97219	54.82624	58.69403	52.86561	96.64835	33.58373	31.92802	35.22082	0.128567	NA	0	NA	0	NA
AT2G32280	AT2G32280	1.188904	5.352738	1.287654	9.897974	15.89921	16.94629	24.01119	11.86779	31.23987	1.919071	0	2.071813	0.903612	0.003285	1.121439	0.000271	0.13679	0.856582
AT2G32290	BAM6	51.12287	89.2123	70.82099	52.37678	45.04777	49.84204	29.61647	346.3237	251.8737	140.0922	111.7481	155.386	-0.4763	0.066899	2.040568	1.88E-21	0.93899	0.000851
AT2G32291	AT2G32291	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G32295	AT2G32295	111.757	108.839	118.4642	123.3123	100.695	97.6904	131.6169	119.7568	79.07593	118.9824	145.0064	94.26749	-0.06568	0.833675	-0.03639	0.915695	0.067831	0.908271
AT2G32300	UC1	2.377808	1.784246	1.287654	0.412416	1.324935	0	0	2.15778	0.976246	0	1.330334	0	-0.53646	0.424455	-0.30493	0.682843	-0.62011	NA
AT2G32310	AT2G32310	0	0	0	0	0	0	0	0	0	0.995936	1.330334	0	0	NA	0	NA	0.366448	NA
AT2G32315	AT2G32315	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G32320	THG2	198.547	253.3629	243.3667	207.445	247.1003	233.2607	344.1604	251.3814	185.4867	210.1383	208.8624	275.5511	-0.01364	0.965652	0.16756	0.557043	0.000449	0.99607
AT2G32340	AT2G32340	38.04493	46.3904	33.47901	26.80701	38.4231	42.86415	24.9005	29.13003	27.33489	40.3005	53.21336	43.50807	-0.1352	0.72344	-0.48624	0.176874	0.029879	0.739655
AT2G32350	AT2G32350	1.188904	5.352738	1.287654	0	0.662467	0	0	0	0	1.919071	0	2.071813	-1.00561	0.096528	-1.08229	0.070823	-0.3313	NA
AT2G32360	AT2G32360	1.188904	0	0	0	0	0	0	0	0.889303	1.07889	0	0	-0.26887	NA	0.130815	NA	-0.23129	NA

AT2G32830	PHT1-5	3.566712	5.352738	9.01358	4.536571	4.637271	7.974726	4.446517	4.31556	4.88123	4.797678	3.991002	4.143626	-0.07688	0.919406	-0.2773	0.712294	-0.32262	NA
AT2G32835	RALFL16	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	0	0	0	0
AT2G32840	AT2G32840	48.74506	58.88012	57.94445	69.28582	56.97219	43.86099	47.13308	33.44559	57.59851	46.05771	55.87403	49.72351	0.069813	0.847794	-0.23425	0.509542	-0.11926	0.858062
AT2G32850	AT2G32850	461.2947	442.493	453.2543	414.4777	435.241	487.4551	499.7886	496.2894	318.2562	460.5771	478.9202	454.763	-0.02444	0.919717	-0.04593	0.854259	0.037039	0.935116
AT2G32860	BGLU33	452.9724	390.7499	521.5	126.1992	112.6194	146.5356	166.2998	155.3602	137.6507	450.9817	377.8148	406.0754	-1.80315	1.81E-30	-1.54402	6.75E-22	-0.14388	0.656137
AT2G32870	AT2G32870	1262.616	1377.438	1587.678	364.5754	361.0447	374.8121	314.8134	258.9336	290.9213	1409.558	1359.601	1415.048	-1.92213	1.47E-61	-2.26033	2.65E-78	-0.04428	0.966706
AT2G32880	AT2G32880	4003.084	479.9622	526.6506	202.0469	313.347	337.929	281.0199	227.6458	214.7741	554.6116	508.1876	560.4254	-0.5284	0.000485	-0.94197	3.34E-10	0.203908	0.441758
AT2G32885	AT2G32885	1.188904	3.568492	1.287654	3.264678	3.974804	0	3.57214	2.15778	0.976246	4.797678	3.991002	2.071813	0.055574	0.949581	0.103559	0.906811	0.48707	NA
AT2G32890	RALFL17	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G32900	ZW10	244.9142	239.089	261.3938	219.8175	221.9265	266.1565	267.6803	283.7481	197.2017	217.8146	267.3971	205.1095	-0.08043	0.731317	0.00406	0.987793	-0.11459	0.772775
AT2G32905	AT2G32905	0	0	0	0.412416	0.662467	0	0	0	0	0.959536	0	0	0.209973	NA	0	NA	0.170506	NA
AT2G32910	AT2G32910	323.3819	297.9691	262.6815	253.2232	226.5638	262.1691	269.459	285.9058	268.4676	252.3579	242.1208	273.4793	-0.25178	0.104815	-0.10161	0.58815	-0.19869	0.444825
AT2G32920	PDIL-3	404.2273	388.9656	397.8852	1022.378	963.2274	997.8376	816.3806	830.7453	986.0085	414.5194	353.8688	411.2549	1.309358	7.51E-28	-0.130215	1.55E-20	-0.01175	0.976392
AT2G32930	ZFN2	105.8125	98.13353	83.69753	113.8267	121.894	140.5545	112.0522	111.1257	95.67211	97.87263	97.11438	83.90843	0.365775	0.082826	0.144032	0.581619	-0.04533	0.933316
AT2G32940	AGO6	24.96698	17.84246	34.76667	10.31039	9.937009	14.95261	13.33955	17.26224	3.904984	30.70514	33.25835	26.93357	-1.05042	0.011264	-1.03643	0.019426	-0.190259	0.832911
AT2G32950	COP1	39.07399	421.0821	368.2691	388.0831	337.1958	383.7837	441.9838	449.8971	257.7289	401.0859	375.1542	412.2908	-0.09326	0.710268	-0.04301	0.880211	0.004794	0.99299
AT2G32960	AT2G32960	20.21137	28.54794	18.02716	37.52982	22.52389	39.87363	24.01119	20.49891	15.61994	36.46235	34.58868	30.04229	0.551955	0.145982	-0.11209	0.830443	0.567692	0.337704
AT2G32970	AT2G32970	354.2934	363.9862	360.5432	251.1611	282.2111	281.1001	294.3559	306.4047	183.5342	355.0282	411.0732	39.295.2334	-0.39662	0.058081	-0.44755	0.037808	-0.02496	0.963348
AT2G32980	AT2G32980	159.3131	210.541	180.2716	222.292	213.3145	196.3776	232.1082	227.6458	243.0853	155.4448	250.1028	194.7504	0.207873	0.337305	0.353783	0.095456	0.121793	0.768141
AT2G32990	AlGH988	136.724	82.07532	96.57408	20.62078	19.87402	25.91786	24.9005	26.97225	13.66744	89.23681	69.17737	71.47755	-2.15227	2.27E-15	-2.13688	9.1E-14	-0.44209	0.318682
AT2G33000	AT2G33000	3.566712	0	0	0.824831	1.987402	0.996841	3.57214	3.23667	0.976246	0.959536	0	1.035907	-0.03437	0.967601	0.455915	0.546599	-0.26963	NA
AT2G33005	AT2G33005	0	0	0	0	0	0	0	0	0	1.919071	0	0	0	NA	0	NA	0.256851	NA
AT2G33010	AT2G33010	1.188904	0	1.287654	0	0	0	0.889303	0	0	1.919071	1.330334	1.035907	-0.61504	NA	-0.30971	NA	0.277823	NA
AT2G33020	AtRLP24	17.83356	5.352738	9.01358	42.89122	35.77323	50.83888	36.46144	31.28781	20.50117	3.838143	2.660668	5.179533	1.730897	1.25E-05	1.216614	0.004694	-1.07464	0.136895
AT2G33030	AtRLP25	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G33040	ATPC	2258.917	2405.164	2593.336	2382.112	2287.499	2269.806	1981.368	2089.81	1917.347	2523.579	2467.77	2392.944	-0.06355	0.581264	-0.27569	0.005218	0.025055	0.916471
AT2G33050	AtRLP26	32.10041	17.84246	15.45185	21.03319	25.17376	20.93366	28.45771	18.34113	30.26363	25.90746	26.60668	23.82585	0.007346	0.989025	0.197452	0.682076	0.174709	0.836577
AT2G33051	AT2G33051	0	0	0	0.824831	0	0	2.990522	0	1.07889	0.976246	3.838143	1.330334	0.512145	0.410224	0.28328	0.679085	0.707098	NA
AT2G33060	AtRLP27	89.1678	101.702	99.14938	95.268	89.43308	110.6493	102.2699	115.4412	90.79088	98.83217	97.11438	122.237	0.020476	0.943829	0.089375	0.753109	0.138148	0.75415
AT2G33070	NSP2	2.377808	0	1.287654	4.948987	7.949607	2.990522	2.66791	1.07889	1.952492	2.878607	1.330334	1.035907	1.136978	0.07968	0.185091	0.831167	0.14016	NA
AT2G33080	AtRLP28	2.377808	1.784246	0	42.06639	43.72284	36.88311	22.23259	28.05114	18.54867	0	0	1.035907	3.541273	1.31E-13	2.720618	4.93E-08	-0.50383	0.666652
AT2G33090	AT2G33090	0	0	0	0	0	0.996841	0	0	0	0	0	0	0.15625	NA	0	NA	0	NA
AT2G33100	CSLD1	2.377808	5.352738	1.287654	2.474493	1.987402	2.990522	2.66791	4.31556	0.976246	0.959536	0	1.035907	-0.0883	0.917913	-0.04465	0.960849	-0.79262	NA
AT2G33110	VAMP723	83.22328	110.6233	84.98519	165.7911	199.4026	141.5514	197.4254	18.6779	18.6779	180.6055	110.0564	106.4267	0.841317	0.007064	0.821396	0.001384	-0.11139	0.852822
AT2G33120	VAMP722	676.4863	688.719	719.7988	937.4206	1150.043	1056.651	1167.655	950.502	1425.319	647.6865	710.3983	704.4164	0.581403	0.00025	0.752438	1.52E-06	-0.01623	0.971789
AT2G33130	RALFL18	0	0	0	0.824831	1.987402	0	1.778607	0	1.952492	0	0	0	0.487892	NA	0.584903	NA	0	NA
AT2G33140	AT2G33140	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G33150	PED1	2269.618	2517.571	2241.806	2687.3	2616.746	2895.822	3227.282	3666.068	3004.885	2309.602	2434.511	1946.468	0.22018	0.112828	0.489025	0.000148	-0.07013	0.805161
AT2G33160	AT2G33160	0	0	0	1.649662	1.324935	0	2.66791	1.952492	0	0	0	0	0.564727	0.364346	1.013592	0.088581	0	NA
AT2G33170	AT2G33170	273.4479	83.7773	172.5457	211.9816	193.4404	271.1407	287.245	263.2491	157.1756	140.0922	131.7031	142.9551	0.09011	0.780186	0.157025	0.621134	-0.57921	0.119328
AT2G33175	AT2G33175	2.377808	8.92123	1.287654	14.848696	9.274542	14.95261	4.446517	5.39445	9.282738	2.878607	3.991002	4.143626	1.358358	0.051924	0.071833	0.931645	-0.06189	NA
AT2G33180	AT2G33180	228.2696	226.5992	256.2432	157.9552	204.7024	155.5072	175.1928	148.8868	259.6814	319.5254	268.7275	261.0484	-0.44285	0.050306	-0.27553	0.277985	0.249071	0.524843
AT2G33190	AT2G33190	0	0	0	0	0	0	1.778607	1.07889	0	0	0	0	0	NA	0.460477	NA	0	NA
AT2G33200	AT2G33200	0	1.784246	0	0	1.987402	0	0	0	0	0	0	0	0.081425	NA	-0.22536	NA	-0.21936	NA
AT2G33205	AT2G33205	5.94452	1.784246	7.725926	6.986499	5.299738	4.984204	7.114428	8.63112	4.88123	7.676285	6.65167	3.10772	0.056442	0.941698	0.251979	0.704392	0.070922	NA
AT2G33210	HSP60-2	45.53991	396.1026	383.721	358.8015	365.0195	364.8437	310.3669	333.377	372.926	356.9473	407.0822	383.2854	-0.18478	0.217625	-0.28235	0.063574	-0.11201	0.684126
AT2G33220	AT2G33220	387.5827	499.5889	482.8704	569.5459	554.4851	473.4994	409.9689	428.3193	824.9279	538.2995	480.2506	599.7899	0.215663	0.449009	0.270085	0.35153	0.232899	0.612836
AT2G33230	YUC7	0	0	0	0	0.662467	0.996841	0	0	0	0	1.330334	0	0.277017	NA	0	NA	0.200969	NA
AT2G33233	LCR49	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT2G33240	XI-D	23.77808	12.48972	14.1642	7.42348	7.949607	7.974726	13.39955	12.96668	11.71495	15.35257	11.97301	19.68222	-0.9879	0.026652	-0.37717	0.47749	-0.08864	NA
AT2G33250	AT2G33250	312.6817	312.2431	337.3654	195.485	192.778	173.4377	216.1007	241.6713	246.9902	289.7798	335.2442	305.5924	-0.75153	2.76E-08	-0.44609	0.002225	-0.05234	0.874874
AT2G33255	AT2G33255	197.3581	242.6575	266.5444	255.6977	260.3496	187.4061	168.9677	203.9102	277.2539	278.2653	295.3341	270.3716	0.002529	0.993564	-0.1154	0.682218	0.249908	0.518301
AT2G33260	AT2G33260	1.188904	0	2.575309	0	0.662467	1.993682	1.778607	3.23667	0	0.959536	0	0	-0.23151	0.750108	0.137662	0.862717	-0.4193	NA
AT2G33270	ACHT3	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT2G33280	AT																		

AT2G33720	AT2G33720	0	0	0	0	0.662467	0	0	1.07889	0.976246	0	1.330334	1.035907	0.077519	NA	0.354806	NA	0.390931	NA
AT2G33730	RH21	789.4322	719.0512	616.7864	696.9823	686.9786	690.8107	578.0473	735.8029	780.2025	554.6116	590.6683	579.0717	-0.03421	0.0861966	-0.02244	0.915824	-0.29802	0.192944
AT2G33735	AT2G33735	19.02246	33.90067	18.02716	49.48987	41.73544	25.91786	33.79353	29.13003	41.00233	41.26003	34.58868	34.18492	0.728695	0.041586	0.536101	0.181386	0.613969	0.278652
AT2G33740	CUTA	150.9908	201.6198	206.0247	310.5489	290.8231	241.2355	214.3221	254.618	316.3037	213.0169	234.1388	186.4632	0.587677	0.003816	0.48167	0.02576	0.178663	0.654955
AT2G33750	PUP2	9.511232	5.352738	6.438272	2.886909	3.312336	1.993682	5.335821	3.23667	2.928738	13.4435	10.64267	5.179533	-0.07602	0.100849	-0.63866	0.339607	0.355815	NA
AT2G33760	PCMP-H6	13.07794	14.27397	11.58889	11.54764	10.59948	19.93682	5.335821	12.94668	11.71495	17.63285	13.30334	7.251346	-0.13751	0.904702	-0.31751	0.060454	-0.39664	NA
AT2G33770	UBC24	2060.371	1682.544	1688.115	1142.391	969.1896	1338.757	1519.82	1810.377	960.6261	1541.974	1303.727	1342.535	-0.63552	0.003256	-0.33016	0.174645	-0.36342	0.29285
AT2G33775	RALFL19	1.188904	1.784246	0	0	0	0	0.889303	1.07889	0.976246	0.959536	0	2.071813	-0.6533	NA	0.042307	NA	0.073162	NA
AT2G33780	VQ13	0	0	0	0.412416	0	0	0	1.07889	0	0	0	0	0.064603	NA	0.150774	NA	0	NA
AT2G33790	AGP30	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G33793	AT2G33793	26.15589	21.41095	34.76667	66.39891	57.63465	67.78517	39.12935	46.39227	50.76479	38.38143	25.27635	38.32854	1.128804	8.13E-05	0.651821	0.046863	0.278897	0.646179
AT2G33796	AT2G33796	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G33800	RP55	4091.018	4462.399	4430.819	3513.368	3226.216	3404.211	3803.551	4071.731	4959.33	5174.776	5764.337	4518.624	-0.35142	0.012576	-0.01635	0.934765	0.248356	0.253568
AT2G33810	SPL3	0	0	1.287654	0.412416	0	0.996841	0.889303	1.07889	0	0	1.330334	0	-0.01646	NA	0.108172	NA	-0.03172	NA
AT2G33815	AT2G33815	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G33820	BAC1	73.71204	66.0171	78.54691	70.11065	74.8588	78.75042	64.91915	58.26006	41.97858	51.81492	86.47171	89.08796	0.023242	0.948943	-0.38678	0.206138	0.041062	0.953945
AT2G33830	AT2G33830	611.0966	954.5716	704.3469	3485.324	3315.649	3453.056	7098.42	8240.561	14943.4	609.3051	721.041	661.944	2.086409	9.94E-20	3.588251	2.21E-57	-0.17868	0.723515
AT2G33835	FES1	104.6235	155.2294	100.3437	96.50524	94.73282	92.70619	119.1667	146.729	92.74337	124.7396	109.0874	120.1652	-0.31254	0.204976	0.008705	0.978758	-0.00325	0.996489
AT2G33840	AT2G33840	236.5919	240.8732	270.4074	220.2299	237.8258	241.2355	242.7799	215.778	181.5818	300.3347	301.9858	257.9407	-0.10025	0.608177	-0.22007	0.246349	0.196272	0.499757
AT2G33845	AT2G33845	211.6249	203.404	222.7642	323.7462	337.8583	321.9796	176.0821	212.5413	241.1328	254.2769	248.7725	186.4632	0.611229	0.000362	-0.02237	0.931549	0.10603	0.781547
AT2G33847	AT2G33847	0	3.568492	0	3.71174	3.974804	4.984204	2.66791	3.23667	0.972462	0	2.666068	3.10772	0.978039	0.141111	0.433742	0.578961	0.291913	NA
AT2G33850	AT2G33850	184.2801	315.8115	249.8049	345.1918	281.5486	306.0301	216.99	236.2769	310.4642	320.4849	324.6015	304.5565	0.318599	0.151893	0.035412	0.905281	0.341004	0.310326
AT2G33855	AT2G33855	130.7794	149.8767	158.3815	137.3344	143.7554	117.6272	149.403	91.70564	239.1803	171.7569	180.9254	166.781	-0.12766	0.709465	0.12681	0.727692	0.231224	0.662311
AT2G33860	ARF3	275.8257	253.3629	233.0654	258.997	206.6898	225.286	216.99	202.8313	220.6316	240.8434	195.5591	228.9353	-0.13427	0.479178	-0.24691	0.187417	-0.18845	0.530711
AT2G33870	RABA1H	1.188904	0	0	0.412416	0	0	0	0	0	0	0	0	-0.10956	NA	-0.19607	NA	-0.18704	NA
AT2G33880	WOX9	14.26685	7.136984	0	0.412416	1.324935	0.996841	0.889303	0	5.757214	5.321336	4.143626	0	-1.5889	0.011909	-1.77801	0.005115	-0.31936	NA
AT2G33890	AT2G33890	0	0	0	0.412416	0	0	0	0	0	0	1.330334	0	0.067751	NA	0	NA	0.180865	NA
AT2G33900	AT2G33900	0	0	1.287654	0.412416	0	0.996841	0.889303	0	0	0	2.666068	1.035907	-0.02994	NA	-0.08852	NA	0.328161	NA
AT2G33910	AT2G33910	1.188904	0	0	1.237247	0	0	0	0	0	0	0	0	0.036838	NA	-0.17954	NA	-0.17515	NA
AT2G33920	AT2G33920	0	0	0	0	0	0	0	0	0.976246	0.959536	0	0	0	NA	0.146371	NA	0.148275	NA
AT2G33930	AT2G33930	0	1.784246	0	0	1.324935	0	0.889303	1.07889	0	0	0	0	-0.02577	NA	0.074347	NA	-0.26237	NA
AT2G33940	AT2G33940	1.188904	1.784246	0	0	0	0	0	0	0	0.959536	0	0	-0.5209	NA	-0.48545	NA	-0.27068	NA
AT2G33950	AT2G33950	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G33960	AT2G33960	0	0	0	0.662467	0	1.07889	0	0.959536	1.330334	0	0	0	0.092458	NA	0.172513	NA	0.370737	NA
AT2G33970	AT2G33970	0	0	0	0.412416	0	0	0	0	0.976246	0	0	0	0.065752	NA	0.143461	NA	0	NA
AT2G33980	NUDT22	58.25629	51.74313	69.53333	85.37002	78.17114	58.81361	101.3806	91.70564	73.21845	60.45074	62.5257	88.05205	0.301933	0.297342	0.534765	0.057811	0.21455	0.684666
AT2G33990	iqd9	241.3475	248.0102	265.2568	186.8243	193.4404	172.4535	173.4142	167.2279	197.2017	236.0458	247.4421	244.4739	-0.43814	0.002934	-0.48071	0.001786	-0.05235	0.880322
AT2G34000	AT2G34000	0	0	1.287654	0.824831	3.312336	0	2.66791	1.07889	2.928738	4.959862	2.666068	1.035907	0.394205	0.585681	0.693745	0.322085	0.418877	NA
AT2G34010	AT2G34010	40.42273	39.25341	45.0675	10.31039	15.23675	11.96209	15.56095	5.39445	8.786214	0.959817	34.58868	50.75942	-1.99972	1.28E-06	-1.99972	4.64E-08	0.07464	0.927039
AT2G34020	AT2G34020	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT2G34030	AT2G34030	4.755616	0	3.862963	1.237247	1.324935	1.993682	1.778607	0	2.928738	1.919071	3.991002	3.10772	-0.55384	0.445319	-0.46793	0.546827	-0.0209	NA
AT2G34040	AT2G34040	495.7729	474.6094	440.3778	634.7076	527.3239	616.0476	509.5709	578.285	526.1966	483.606	466.9472	502.4147	0.330599	0.012981	0.190677	0.207962	0.042782	0.893141
AT2G34050	AT2G34050	49.93397	66.0171	78.54691	65.16166	72.20893	66.78833	59.58333	45.31338	57.59851	56.6126	43.90102	81.83662	-0.071324	0.840347	-0.23681	0.489291	-0.0722	0.916999
AT2G34060	PER19	57.06739	57.09587	59.2321	21.85803	37.09817	19.93682	29.34701	47.47116	33.19236	68.12703	51.88302	55.93895	-0.15269	0.000392	-0.62429	0.05834	-0.02833	0.972983
AT2G34070	TLB37	144.6313	174.8561	157.0938	214.0437	210.0021	291.0775	169.857	201.7524	24.5366	129.5373	81.15037	134.6678	0.553625	0.012762	0.304354	0.231647	-0.4436	0.208473
AT2G34080	AT2G34080	5.94852	5.568492	3.862963	2.62078	15.23675	20.93366	20.01119	34.52448	29.28378	12.47396	13.30334	9.323159	1.581741	0.000526	2.149812	1.46E-06	0.956678	0.200179
AT2G34090	MEE18	101.0568	114.1917	86.27284	191.7732	192.778	195.3808	190.3109	208.2258	190.368	127.6182	139.6851	112.9138	0.933664	3.65E-08	0.954367	3.55E-08	0.330662	0.271055
AT2G34100	AT2G34100	0	0	1.287654	0	0	0	0	1.07889	0	0	0	1.035907	-0.25532	NA	-0.03893	NA	-0.0356	NA
AT2G34110	AT2G34110	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G34120	AT2G34120	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G34123	AT2G34123	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT2G34130	MEE19	1.188904	0	0	0	0	0	0	1.07889	0	0	2.666068	0	-0.24805	NA	-0.03605	NA	0.167713	NA
AT2G34135	AT2G34135	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G34140	CDF4	2.377808	5.352738	1.287654	6.598649	5.962205	9.968408	11.56095	14.02557	17.57243	1.919071	2.666068	9.323159	0.863344	0.152665	1.656617	0.003458	0.395412	NA
AT2G34150	SCAR1	129.5905	132.0342	153.2309	90.31901	82.80841	86.72515	65.80846	76.60119	37.09735	142.0113	162.3007	138.8115	-0.65178	0.003533	-1.16737	2.77E-07	0.088367	0.864614
AT2G34160	AT2G34160	187.8468	235.5205	213.7506	296.2568	356.4074	263.166	283.6878	261.0914	394.4034	319.5254	363.1812	240.3303	0.546331	0.017283	0.546331	0.017283	0.518868	0.09848
AT2G34170	AT2G34170	401.8495	394.3184	338.6531	128.6737	103.3449	150.523	144.0672	172.6224	113.2445	330.0803	372.4935							

AT2G34560	AT2G34560	751.3873	735.1094	788.0445	499.4353	440.5407	500.4141	525.5784	509.2361	414.9045	1074.68	1122.802	899.1669	-0.65119	2.63E-06	-0.64129	5.71E-06	0.438002	0.016586
AT2G34570	MEE21	65.38972	58.88012	66.95803	103.1039	107.3197	70.7757	85.37313	78.75897	92.74337	62.36982	49.22236	54.90305	0.547883	0.025026	0.403867	0.139021	-0.18946	0.71301
AT2G34580	AT2G34580	0	1.784246	1.287654	11.13522	7.28714	7.974726	4.446517	9.710009	7.809968	0	0	0	1.861213	0.001781	1.575796	0.012099	-0.53562	NA
AT2G34585	AT2G34585	177.1467	203.404	218.9012	306.8372	268.2992	189.3997	170.7463	159.6757	454.9306	220.6932	324.6015	254.833	0.310987	0.51363	0.343335	0.487774	0.365866	0.632297
AT2G34590	E1-BETA-2	649.1416	615.5649	643.8272	399.6307	395.493	409.7016	344.1604	417.5304	598.4388	531.5827	510.8482	581.1736	-0.64994	0.000329	-0.47902	0.012638	-0.22802	0.484078
AT2G34600	TIFY 5B	4.755616	1.784246	1.287654	14.43455	19.87402	20.93366	33.79615	33.69353	3.831143	15.96401	51.96401	51.14933	1.982129	0.000138	2.968129	3.26E-10	0.877647	0.380806
AT2G34610	AT2G34610	0	0	2.575309	18.5587	13.91181	15.09495	14.22886	10.7889	7.809968	0	1.330334	1.035970	2.534264	3.64E-06	2.0097	0.000493	-0.17525	NA
AT2G34620	AT2G34620	877.4111	858.2223	902.6457	295.2896	346.4704	504.9644	308.5883	294.537	287.9926	1141.847	1233.22	1058.696	-1.46711	1.15E-38	-1.5492	1.28E-40	0.375378	0.013285
AT2G34630	SPS3	243.7253	271.2054	257.5309	339.418	371.6441	311.0143	312.1455	303.1681	253.824	230.2886	274.0488	244.4739	0.404639	0.009243	0.171154	0.358791	-0.0451	0.907091
AT2G34640	PTAC12	640.8192	540.6265	576.8691	515.5195	510.7623	533.3098	554.0361	625.7562	715.5883	652.8482	730.3533	698.201	-0.17533	0.244892	0.102946	0.546827	0.235579	0.280199
AT2G34650	PID	61.82301	37.46917	46.35556	52.37678	60.94699	74.76306	46.24378	51.78672	50.76479	39.34096	53.21336	31.0772	0.312089	0.32084	0.006063	0.988286	-0.25939	0.651908
AT2G34655	AT2G34655	181.9023	158.7979	193.1482	143.933	143.7554	96.69356	58.69403	65.81229	106.4108	91.15588	55.87403	93.23159	-0.44488	0.107623	-1.15414	0.000011	-0.17732	0.000574
AT2G34660	ABCC2	575.4295	442.493	374.7074	261.4715	229.2137	317.9922	364.6144	429.3982	331.9236	427.9529	514.8392	459.9425	-0.77135	5.24E-05	-0.30185	0.171466	0.006708	0.990348
AT2G34670	AT2G34670	53.50068	46.3904	72.10864	36.29257	37.76063	37.87995	41.79726	44.23449	43.93107	53.734	53.21336	67.33392	-0.60875	0.023483	-0.39918	0.189414	0.009325	0.990348
AT2G34680	AIR9	1129.459	758.3046	779.0309	298.1765	294.1355	346.9006	316.592	376.5326	299.7075	793.536	788.888	800.7557	-1.48135	1.33E-19	-1.39993	2.92E-17	-0.16168	0.625212
AT2G34690	ACD11	224.7028	262.2842	301.3111	392.6196	390.8557	318.989	369.0609	357.1126	442.2394	244.6816	208.8624	290.0538	0.47875	0.009606	0.556642	0.002881	-0.07735	0.858201
AT2G34700	AT2G34700	0	0	0	0	0	0	0.889303	0	0	0.959536	0	0	0	0	0	0	0.147196	NA
AT2G34710	ATHB-14	618.2301	519.2156	481.5827	333.6442	284.1985	402.7237	382.4005	383.0059	247.9665	530.6232	446.9922	440.2603	-0.65231	0.001224	-0.65846	0.001419	-0.18621	0.628866
AT2G34720	NFYA	227.0807	271.2054	239.5037	279.6178	243.788	236.2513	145.8458	174.7802	136.6744	267.7104	276.7095	248.6171	0.055339	0.788464	-0.67369	0.73E-05	0.10781	0.749335
AT2G34730	WAP	243.7253	221.2465	199.5864	183.5249	198.7402	209.3366	207.1077	215.778	212.8216	185.1904	199.5501	220.6481	-0.17372	0.322252	-0.06479	0.763149	-0.13435	0.668334
AT2G34740	AT2G34740	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G34750	AT2G34750	861.9554	861.7908	804.784	677.5988	701.5528	780.5263	723.893	756.3018	637.4886	746.5187	734.3444	682.6624	-0.22824	0.071402	-0.25318	0.05303	-0.22236	0.244289
AT2G34760	AT2G34760	1.188904	0	0	0.412416	0.662467	0.996841	3.557214	0	0	0	5.321336	2.071813	0.043312	0.955848	0.305092	0.672371	0.658482	NA
AT2G34770	FAH1	445.839	528.1368	552.4037	450.3578	439.2158	570.1929	490.8955	536.2083	608.2013	426.9934	423.0462	463.0502	-0.06661	0.741677	0.099353	0.627741	-0.21105	0.449709
AT2G34780	MEE22	293.6593	248.0102	221.4765	158.0663	137.1307	162.485	169.857	158.5968	137.6507	219.7337	226.1568	216.5045	-0.73894	5.79E-06	-0.6993	3.78E-05	-0.20418	0.500683
AT2G34790	MEE23	20.21137	24.97944	15.45185	16.49662	13.91181	15.94945	10.67164	15.10446	14.64369	30.70514	19.95501	19.68222	-0.32374	0.473969	-0.50337	0.284064	0.228933	0.781547
AT2G34800	AT2G34800	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G34810	AT2G34810	206.8693	140.9554	194.4358	289.9281	320.6342	461.5373	514.0174	460.686	554.5077	313.7682	274.0488	225.8276	0.933372	0.000012	1.438323	3.49E-12	0.555124	0.075725
AT2G34820	BHLH53	0	0	0	0	0	0	0	1.07889	0.976246	0	0	0	0	0	0	0	0.333168	NA
AT2G34825	RALFL20	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G34830	WRKY35	9.511232	3.568492	2.575309	5.773818	7.28714	2.990522	2.66791	4.31556	3.904984	11.51443	3.991002	2.071813	0.02823	0.972088	-0.36728	0.632583	0.11055	NA
AT2G34835	AT2G34835	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G34840	AT2G34840	145.0463	149.8767	163.5321	202.9085	229.8761	178.4345	183.1965	138.0979	150.3419	147.7685	142.3457	147.0987	0.411531	0.026072	0.043415	0.863991	-0.06633	0.88006
AT2G34850	MEE25	17.83356	19.62671	24.46543	23.09527	17.88662	15.94945	12.34328	18.34113	18.54867	22.06932	19.91002	27.96948	-0.048424	0.862925	-0.07292	0.884074	0.468107	0.474444
AT2G34860	EDA3	1144.915	1250.756	1236.148	1199.717	1309.698	990.8597	1494.03	1363.717	1693.787	1799.129	2141.838	1550.752	-0.05042	0.811881	0.320725	0.067643	0.586004	0.002837
AT2G34870	MEE26	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	0	0	0.160764	NA
AT2G34880	JMJ15	0	0	0	0	0.662467	0	0	0	0	1.919071	2.660668	2.071813	0.057869	NA	0	NA	1.033471	NA
AT2G34890	AT2G34890	0	0	1.287654	0.662467	0	0	1.07889	0	0	0	0	0	-0.10214	NA	-0.03656	NA	-0.21558	NA
AT2G34900	GTE1	147.4421	178.4246	1.764086	202.9085	229.2137	201.3618	186.7537	188.8057	256.7527	192.8667	167.6221	182.3195	0.333188	0.085617	0.329904	0.108247	0.117732	0.767772
AT2G34910	AT2G34910	1.188904	0	0	0.662467	0	0	1.07889	0	0	0	0	0	-0.09359	NA	-0.02854	NA	-0.02699	NA
AT2G34920	EDA18	38.04493	41.03766	41.20494	25.15735	31.13596	29.90522	30.23632	45.31338	21.47741	47.01725	33.25835	40.40035	-0.45835	0.180805	-0.25935	0.454119	-0.109331	0.983797
AT2G34925	CLE42	22.58917	42.8219	23.17778	18.5587	33.12336	13.95577	16.00746	15.10446	18.54867	32.62421	59.86503	34.18492	-0.34375	0.452334	-0.69909	0.122348	0.48316	0.482633
AT2G34930	AT2G34930	279.3924	203.404	218.9012	79.59621	84.13334	153.1535	167.8191	162.9124	95.57709	233.1672	216.8444	191.6427	-1.1116	2.21E-06	-0.67629	0.016687	-0.1259	0.836577
AT2G34940	VSR5	26.15589	30.33218	28.3284	80.83345	72.8714	75.7599	26.6791	19.42002	18.54867	6.838211	13.30334	13.46678	1.391944	1.04E-06	-0.34474	0.388675	-0.12097	0.0176
AT2G34950	AT2G34950	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G34960	CAT5	24.96698	24.97944	19.31482	54.02644	52.33491	56.81992	60.47264	61.49673	43.93107	23.02886	22.61568	21.75404	1.159299	9.24E-05	1.181427	0.000113	-0.03722	0.968668
AT2G34970	AT2G34970	263.9367	244.4417	244.6543	203.7333	231.8635	188.4029	261.4552	267.5647	260.6577	215.8955	236.7994	283.8384	-0.26517	0.120773	0.065235	0.764953	-0.03337	0.936323
AT2G34980	SETH1	24.96698	10.70548	11.58889	10.7228	9.937009	14.95261	15.11816	8.63112	8.786214	13.4335	17.29434	12.43088	-0.40547	0.427446	-0.47284	0.385917	-0.15242	NA
AT2G34985	AT2G34985	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G34990	ATL38	0	0	1.237247	0.662467	0	0	0	0	0	1.330334	0	0	0.359185	NA	0.09386	NA	0.192946	NA
AT2G35000	ATL9	0	3.568492	2.575309	15.61719	9.274542	8.971567	4.446517	5.39445	10.73871	1.919071	1.330334	2.071813	1.724307	0.002916	1.08695	0.093686	-0.08199	NA
AT2G35010	ATP1	158.1242	133.8185	133.9161	217.7554	208.0147	212.3271	168.0784	155.3602	230.3941	154.4852	86.47171	166.781	0.559408	0.020059	0.361866	0.178602	-0.05331	0.931292
AT2G35020	SLCNA1PUB	248.4809	251.5787	224.0519	340.6553	263.662	293.0712	241.0012	253.5391	234.299	169.8378	178.2648	247.5817	0.308787	0.109039	0.101208	0.969451	-0.27163	0.389544
AT2G35030	PCMP-E15	35.66712	39.25341	33.47901	35.46774	35.11077	33.89259	29.3											

ATZG35480	ATZG35480	19.02246	19.62671	27.04074	42.06639	46.37271	43.86099	44.46517	31.28781	37.09735	20.15025	29.26735	17.61041	0.929005	0.004362	0.717071	0.04542	-0.00776	0.993315
ATZG35490	PAP3	787.0544	824.3217	727.5247	582.7432	596.2205	584.1487	715	844.7708	835.6666	805.0504	931.2338	771.7504	-0.40183	0.00159	0.034827	0.84609	0.099177	0.697022
ATZG35500	SKL2	537.3846	465.6882	527.9383	398.8059	381.5811	384.7805	476.6667	490.8949	492.028	729.2471	725.032	629.8312	-0.39343	0.00133	-0.07322	0.648618	0.435491	0.003567
ATZG35510	SRO1	557.596	583.4485	493.1716	490.7745	446.5029	619.0381	582.4938	655.9651	548.6502	449.0627	546.7673	456.8348	-0.07215	0.729288	0.127894	0.531551	-0.16775	0.587439
ATZG35520	DAD2	53.50068	80.29107	60.51975	127.8488	132.4935	102.6746	102.6699	86.3112	139.6302	77.72239	97.11438	131.6601	0.878648	0.000955	0.733598	0.009239	0.636569	0.106767
ATZG35530	bZ1P16	123.646	124.8972	118.4642	138.984	114.6068	123.6083	119.2169	110.3457	101.5296	88.27728	78.4897	104.6266	0.047181	0.855138	-0.06186	0.824246	-0.41493	0.188272
ATZG35540	ATZG35540	86.78999	55.31163	32.19136	63.09958	53.65985	57.81677	72.92289	79.83766	86.88599	59.49121	67.84703	48.68761	-0.00467	0.991042	0.42307	0.208245	-0.00234	0.99758
ATZG35550	BCP7	7.133424	12.48972	14.1642	9.485558	20.53649	4.984204	16.00746	11.76719	11.67719	17.2164	11.97301	8.28752	0.470383	0.916889	0.200103	0.766048	-0.18513	NA
ATZG35570	ATZG35570	0	3.568492	0	0.824831	1.987402	0.996841	6.225124	2.15778	2.928738	0	5.321336	5.179533	0.010089	0.990839	8.809582	0.255157	0.701957	NA
ATZG35580	ATZG35580	0	1.784246	0	0	0	0	0.889303	0	0	0	0	0	-0.26522	NA	-0.08117	NA	-0.24296	NA
ATZG35585	ATZG35585	2.377808	7.136984	3.862963	6.186234	2.649869	2.990522	8.003731	2.15778	3.904984	6.716749	3.991002	7.251346	-0.03991	0.961026	0.107043	0.89853	-0.34852	NA
ATZG35590	ATZG35590	4.755616	0	2.575309	2.474493	2.649869	2.990522	8.003731	2.15778	5.87476	2.878607	3.991002	5.179533	-0.0407	0.961219	0.644352	0.3713	0.33641	NA
ATZG35600	BRXL1	11.88904	8.92123	9.01358	6.186234	9.937009	8.971567	10.67164	17.26224	6.833722	5.757214	13.30334	9.323159	-0.24189	0.692491	0.163368	0.810756	-0.09493	NA
ATZG35605	ATZG35605	61.82301	41.03766	54.08148	91.55626	107.3197	77.75358	64.02985	48.55005	94.69586	38.38143	31.92802	43.50807	0.76612	0.007597	0.364585	0.282246	-0.44019	0.396087
ATZG35610	XEG113	193.7913	160.5821	202.1617	230.5403	187.4782	264.1628	183.1965	226.5669	143.5082	158.3234	110.4177	164.7091	0.275959	0.266523	-0.01537	0.962287	-0.34571	0.366129
ATZG35612	ATZG35612	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG35613	ATZG35613	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG35615	ATZG35615	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
ATZG35620	FEI2	321.0041	344.3595	320.6259	195.485	195.4278	215.3176	195.6468	193.1213	177.6768	288.8202	337.9048	322.1669	-0.69568	2.28E-07	-0.78531	1.6E-08	-0.05483	0.866496
ATZG35630	MOR1	1052.18	920.671	820.2358	538.6147	491.5507	645.9528	713.2214	809.1675	437.3582	992.1598	933.8944	864.982	-0.71704	0.000603	-0.49671	0.026319	-0.00119	0.99816
ATZG35635	RUB2	499.3397	549.5478	598.7593	810.3166	796.9481	790.4947	616.2873	592.3106	783.9255	647.6865	631.9086	576.9999	0.5351	0.000142	0.27119	0.087767	0.170194	0.517788
ATZG35637	ATZG35637	2.377808	1.784246	0	0.424616	0	0	1.07889	2.928738	0	1.330334	1.035907	0	-0.64391	0.29856	0.00599	0.99395	-0.25098	NA
ATZG35640	ATZG35640	1.188904	1.784246	0	0.824831	0	0	3.557214	1.07889	0.976246	3.838143	1.330334	0	-0.38419	0.582322	0.369405	0.620272	0.311719	NA
ATZG35650	CSLA7	290.0926	265.8527	348.8037	262.2963	205.3649	265.1596	207.2077	195.2791	191.3442	293.6179	344.5565	313.8797	-0.29604	0.09169	-0.59178	0.000521	0.072886	0.850046
ATZG35658	ATZG35658	0	3.568492	1.287654	14.02213	19.87402	13.95577	3.557214	3.23667	11.71495	2.878607	3.991002	4.143626	2.223461	6.45E-05	1.084536	0.092958	0.568437	NA
ATZG35660	CTF2A	177.1467	194.4828	202.1617	162.4917	119.9066	149.5261	172.5249	161.8335	135.6982	235.0862	248.7725	207.1813	-0.39492	0.038392	-0.2784	0.189983	0.26242	0.401013
ATZG35670	FIS2	0	0	0	0.824831	0	0	1.07889	0.976246	0.995936	0	0	0	0.151593	NA	0.330179	NA	0.164216	NA
ATZG35680	DSP8	1166.315	1138.349	1005.658	1012.48	947.3282	952.9798	885.7463	937.5554	1159.78	922.1137	975.1348	937.4954	-0.1812	0.213039	-0.14819	0.348631	-0.22127	0.30524
ATZG35690	ACX1.2	247.292	210.541	211.1753	137.7468	133.8184	149.5261	163.6318	198.5157	146.4369	199.5834	203.5411	187.4991	-0.66485	5.73E-05	-0.39552	0.029783	-0.18181	0.563955
ATZG35700	EROF38	10.70014	8.92123	12.87654	8.660727	11.92441	6.977885	6.872338	6.47334	8.786214	10.55489	14.63367	13.23159	-0.19726	0.739601	-0.31157	0.614207	0.045426	NA
ATZG35710	PGSIF9	23.77808	17.84246	23.17778	16.49662	15.89921	35.86277	16.89677	16.18335	21.47741	23.02886	17.29434	24.86176	0.002483	0.996775	-0.23172	0.659161	0.005102	0.996947
ATZG35720	ATJ13	129.5905	114.1917	131.3407	145.1703	116.5942	157.5008	135.1741	118.6779	134.7219	122.8206	97.11438	105.6625	0.1459	0.525584	0.045223	0.872482	-0.19815	0.602936
ATZG35730	ATZG35730	0	0	3.862963	4.536571	3.974804	4.984204	6.225124	3.23667	3.904984	0	0	1.035907	0.934688	0.160642	0.907134	0.196509	-0.48482	NA
ATZG35733	ATZG35733	1.188904	0	1.287654	1.237427	1.324935	1.993682	1.778607	1.07889	0.976246	0	1.330334	0	0.29505	0.690703	0.18726	0.817186	-0.27607	NA
ATZG35736	ATZG35736	11.88904	12.48972	23.17778	35.46774	33.78583	28.90838	21.34328	23.73558	22.45366	23.02886	23.94601	15.5386	0.947389	0.010316	0.427287	0.345113	0.321824	0.672536
ATZG35738	ATZG35738	2.377808	0	6.438272	7.31174	3.312336	0	2.66791	4.31556	1.952492	7.676285	7.982004	5.179533	-0.18806	0.813382	-0.05692	0.948902	0.749382	NA
ATZG35740	INT3	23.77808	19.62671	18.02716	17.32145	20.53649	16.94629	13.33995	16.18335	16.18335	10.70514	21.28534	24.86176	-0.15549	0.738458	-0.40861	0.374683	0.302653	0.678446
ATZG35742	ATZG35742	2.377808	0	1.287654	2.474493	3.312336	7.94726	3.57214	1.07889	3.904984	1.919071	0	4.143626	0.854642	0.206918	0.473114	0.540818	0.240918	NA
ATZG35743	ATZG35743	1.188904	0	2.575309	2.474493	1.324935	1.993682	0.889303	1.07889	0.976246	1.919071	0	3.10772	0.258016	0.742528	-0.17364	0.837928	0.159095	NA
ATZG35744	ATZG35744	21.40027	24.97944	23.17778	21.85803	23.84882	20.93366	24.01119	24.81447	17.57243	31.66468	35.91902	12.43088	-0.04708	0.928432	-0.05434	0.92197	0.175041	0.842398
ATZG35747	ATZG35747	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG35750	ATZG35750	22.58917	12.48972	18.02716	19.79595	15.23675	22.92734	22.23259	25.89336	21.47741	20.15025	19.95501	21.75404	0.064422	0.898798	0.31566	0.497095	0.164946	0.852376
ATZG35760	ATZG35760	48.74506	67.80135	70.82099	72.99756	63.59686	41.86731	38.24005	29.13003	36.1211	54.69353	51.88302	43.50807	-0.02813	0.942639	-0.78968	0.010145	-0.29342	0.587313
ATZG35765	ATZG35765	0	0	0	0	0	0	0	0	0.976246	0	0	0	0.134977	NA	0	NA	0.415583	NA
ATZG35770	SCPL28	0	0	1.287654	3.299325	0.662467	0.996841	0.889303	1.07889	1.952492	0.995936	0	0.2071813	0.575028	0.395781	0.3603	0.629573	0.253346	NA
ATZG35780	SCPL26	668.164	685.1505	638.6766	473.0407	477.6389	449.5752	414.5154	447.7393	422.7145	704.2992	605.302	647.4416	-0.50074	7.02E-06	-0.62653	0.827E-08	-0.0213	0.94456
ATZG35790	ATZG35790	20.92448	17.84246	20.73123	218.5803	257.6998	208.3397	152.9602	161.8335	258.7052	144.8899	166.2917	158.4937	0.214507	0.376669	-0.03548	0.903438	-0.31655	0.39034
ATZG35795	TIM14.1	91.5456	71.36984	93.99877	134.8599	141.768	85.72831	104.9378	72.28563	120.0783	110.3466	89.13238	108.7702	0.47737	0.077569	0.193937	0.554378	0.244844	0.623367
ATZG35800	ATZG35800	67.67552	626.2704	584.5951	325.8083	312.6846	325.9669	303.2525	388.4004	345.5911	550.7734	562.7313	491.0197	-0.95835	8.3E-14	-0.85704	7.34E-11	-0.23391	0.285592
ATZG35810	ATZG35810	156.9353	181.9931	157.0938	239.201	254.3874	191.3934	167.1891	165.0702	178.653	168.8783	147.6671	187.4991	0.471917	0.008236	0.048596	0.849768	0.034315	0.943411
ATZG35820	ATZG35820	11.88904	137.3869	155.8062	157.1303	131.1685	118.6241	129.8383	131.6246	164.0003	121.861	139.6851	133.6319	-0.00427	0.99316	0.046841	0.807116	-0.06027	0.901923
ATZG35830	ATZG35830	463.6725	565.606	583.3074	442.9343	453.7901	315.0017	477.556	427.2404	525.5522	612.1837	63							

ATZG36300	ATZG36300	155.7464	178.4246	207.3123	320.8593	341.8331	270.1439	221.4366	227.6458	295.8025	167.9187	224.8264	159.5296	0.768694	8.66E-05	0.447803	0.039327	0.02087	0.971473
ATZG36305	FACE2	45.17835	48.17464	50.21852	44.9533	67.57166	53.8294	50.6093	34.52448	38.07359	22.06932	19.95501	21.75404	0.200364	0.554318	-0.19654	0.602589	-0.17209	0.007611
ATZG36307	ZPR4	20.1137	5.352738	16.73951	19.38353	17.88662	19.93682	20.45938	9.710009	18.54867	21.10978	21.28534	27.96948	0.315983	0.513066	0.125651	0.831565	0.586443	0.005675
ATZG36310	URH1	317.4374	353.2807	334.7901	345.1918	268.2992	352.8816	325.4851	295.6158	323.1374	343.5138	275.3791	313.8797	-0.05462	0.790504	-0.08543	0.68488	-0.0996	0.770425
ATZG36320	SAP4	735.9315	760.0888	768.7296	878.8576	861.2075	757.599	834.1667	845.8497	1141.232	698.5419	699.7557	620.508	0.1413	0.419731	0.31256	0.055671	-0.1635	0.561641
ATZG36325	ATZG36325	0	0	0	0.412416	0	1.324935	2.990522	3.574212	0	1.952492	1.919071	0	0.627937	0.314413	0.762162	0.225475	0.291821	NA
ATZG36330	ATZG36330	115.3237	101.702	126.1901	142.2834	145.7428	144.5419	111.1629	126.2301	125.9545	135.2945	134.3637	96.33931	0.317173	0.122451	0.050402	0.857288	-0.078645	0.866158
ATZG36340	ATZG36340	99.86793	96.34929	78.54691	82.80841	84.58159	69.77885	81.81592	84.15342	121.0357	83.4796	85.14137	104.6266	-0.19302	0.487643	0.086174	0.783251	-0.00399	0.959545
ATZG36350	ATZG36350	330.5153	248.0102	221.4765	105.9908	109.9696	107.6588	121.8346	114.3623	91.76712	272.5081	308.6375	248.6176	-1.27797	3.49E-12	-1.2556	3.37E-11	0.044699	0.92594
ATZG36355	ATZG36355	5.94452	3.568492	6.438272	2.062078	5.299738	3.987363	3.557214	3.23667	11.71495	14.39303	11.97301	15.5386	-0.43951	0.505386	0.12104	0.879013	1.064344	NA
ATZG36360	ATZG36360	168.8244	173.0719	146.7926	234.252	217.9517	240.2386	154.7388	188.8057	151.3181	143.9303	114.4087	162.6373	0.495523	0.005934	0.017831	0.946796	-0.19848	0.5675
ATZG36370	FBL11	68.95643	89.2123	72.10864	74.64722	70.884	73.76622	91.59826	79.83786	66.38473	96.9131	83.81104	88.05205	-0.05305	0.856077	0.062588	0.843652	0.235412	0.571787
ATZG36380	ABC34	221.1361	255.1472	230.4901	291.5778	236.5008	407.7079	503.3458	621.4406	300.6838	215.8955	256.7545	225.8276	0.383703	0.171429	0.968685	0.000135	-0.01627	0.98358
ATZG36390	SBE2.1	715.7202	813.6162	851.1395	912.6757	820.1345	988.8661	1394.428	1529.866	1142.208	1034.379	1106.838	1012.081	0.19005	0.242047	0.762406	5.49E-08	0.400108	0.044048
ATZG36400	GRF3	177.1467	167.7191	155.8062	212.8064	208.0147	239.2418	176.9714	185.5691	149.8668	146.809	166.2917	147.0987	0.385786	0.017226	0.085342	0.692245	-0.12534	0.71153
ATZG36402	ATZG36402	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	0	0	0	0
ATZG36410	ATZG36410	249.6698	335.4383	260.1062	390.5575	406.0924	422.6605	385.9577	413.2148	667.7523	280.1844	263.4061	319.0592	0.516696	0.01945	0.77641	0.003311	0.035049	0.952456
ATZG36420	ATZG36420	97.49012	83.85956	88.84815	131.973	106.6572	95.69671	75.5908	115.4412	171.8193	89.23681	86.47171	100.4829	0.2966174	0.339103	0.369995	0.207423	0.026843	0.972955
ATZG36430	ATZG36430	194.9802	249.7944	222.7642	101.0418	97.38269	110.6493	141.7201	162.9124	130.817	204.3811	204.8714	180.2477	-1.08436	5.54E-10	-0.69601	0.000186	-0.1687	0.626348
ATZG36440	ATZG36440	0	0	0	1.237247	0	0.662467	0.996841	0	0.928738	0	0	0	0.486857	NA	0.495901	NA	0	NA
ATZG36450	ERF024	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG36460	ATZG36460	974.9012	1029.51	955.4395	1147.753	1277.237	1134.405	1249.471	1168.438	1801.174	933.6282	955.1798	870.1615	0.261993	0.144919	0.50289	0.003097	-0.09923	0.781222
ATZG36470	ATZG36470	84.41218	90.99655	78.54691	142.6958	146.4053	139.5577	182.3072	147.8079	184.5105	61.41028	71.83803	54.90305	0.743955	0.000114	1.003443	1.49E-07	-0.42163	0.214384
ATZG36480	ATZG36480	250.8587	201.6198	181.5593	124.9619	144.4179	140.5545	146.7351	180.1746	114.2208	170.7973	156.9794	168.8258	-0.62077	0.001879	-0.51557	0.01522	-0.34447	0.289901
ATZG36485	ATZG36485	19.02246	24.97944	28.3284	28.04426	26.49869	18.93997	16.89677	22.65669	24.40615	24.94793	22.61568	31.0772	0.056643	0.905029	-0.16025	0.743158	0.124666	0.882392
ATZG36490	ROS1	770.4098	708.3457	646.4025	327.8704	287.5108	396.7426	420.6405	435.8715	291.8976	555.5711	533.4639	538.6714	-1.05241	5.64E-10	-0.86959	5.75E-07	-0.37662	1.159404
ATZG36500	CBS8PSB2	21.40027	24.97944	23.17778	27.63184	33.12336	35.88627	37.35075	28.05114	29.28738	25.90746	9.312338	19.68222	0.428245	0.268698	0.419827	0.315665	-0.26173	0.734531
ATZG36510	ATZG36510	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG36520	ATZG36520	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG36530	ENO2	3294.453	3140.273	3220.424	3331.081	3625.683	3375.303	2947.152	3123.386	3774.167	3067.635	2672.641	3072.499	0.096531	0.511315	0.027471	0.876677	-0.13007	0.570796
ATZG36540	ATZG36540	2.377808	0	6.438272	2.474493	1.987402	2.990522	2.66791	3.23667	1.952492	2.878607	2.660668	5.179533	-0.21005	0.791165	-0.1475	0.865715	0.130015	NA
ATZG36550	ATZG36550	0	0	1.287654	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
ATZG36560	ATZG36560	0	0	0	1.324935	0	0	0	0	0	0	0	0	0.183593	NA	0	0	0	0
ATZG36570	PXC1	430.3832	181.9931	206.0247	79.59621	73.53387	65.79149	69.36567	87.39009	93.71962	227.4099	184.9164	217.5404	-1.79878	1.86E-11	-1.62206	2.88E-09	-0.36389	0.456482
ATZG36571	ATZG36571	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG36580	ATZG36580	426.8165	371.1232	355.3926	496.5484	528.6489	547.2656	546.0323	589.0739	416.857	358.8663	271.3881	285.9102	0.435325	0.013252	0.417589	0.022528	-0.32329	0.244959
ATZG36590	PROT3	28.53369	33.90067	16.73951	26.80701	17.22415	19.93682	32.90423	23.73558	19.52492	26.867	27.93701	47.6517	-0.24133	0.596986	-0.02692	0.961461	0.359823	0.612836
ATZG36600	ATZG36600	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG36610	A7H-22	1.188904	0	0	3.299325	1.987402	1.993682	0.889303	2.15778	0.976246	0.959536	1.330334	2.071813	0.866674	0.191133	0.370364	0.632583	0.429587	NA
ATZG36620	RPL24A	822.7215	965.2771	1018.535	1175.384	1099.696	917.0935	695.4353	678.6218	1056.298	945.1426	752.969	1161.251	0.182018	0.462331	-0.20082	0.435708	0.027701	0.961629
ATZG36630	ATZG36630	470.806	467.4725	468.7062	440.8722	478.3014	441.6005	418.8619	327.9825	205.0117	409.7217	391.1182	418.5062	-0.04654	0.686178	-0.04598	0.012254	-0.20004	0.610726
ATZG36632	ATZG36632	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG36640	ATECP63	1.188904	0	0	0.824831	0	1.993682	0	0	0	0	0	0	0.255864	NA	-0.23343	NA	-0.2236	NA
ATZG36650	ATZG36650	7.133424	7.136984	3.862963	2.886909	6.624673	6.977885	5.335821	6.47334	12.6912	12.47396	3.991002	5.179533	-0.15197	0.835843	0.325499	0.652885	0.217828	NA
ATZG36660	PAB7	11.88904	8.92123	9.01358	5.773818	9.92205	1.993682	4.446517	5.39445	4.88123	17.27164	15.96401	18.66432	-0.8351	0.113942	-0.8012	0.165298	0.693358	NA
ATZG36670	ATZG36670	126.0238	103.4863	133.9161	186.8243	190.1281	167.4693	196.5361	194.2002	166.9381	73.88424	111.7481	96.33931	0.563548	0.003941	0.952448	0.00228	-0.37909	0.242778
ATZG36680	VP537-2	200.9248	194.4828	230.4901	403.3424	394.8305	354.8753	408.1903	352.797	359.2585	246.6007	290.0128	281.7666	0.868167	1.21E-09	0.824034	1.65E-08	0.372377	0.094851
ATZG36690	ATZG36690	0	0	0	6.598649	3.312336	2.990522	6.225124	4.31556	3.904984	0.959536	1.330334	1.035907	1.584535	0.012714	1.588107	0.012644	0.436286	NA
ATZG36695	ATZG36695	0	0	0	0.824831	0.662467	0	0	0	0	0	0	0	0.256538	NA	0	0	0	0
ATZG36700	PME14	0	0	0	0	0	0	2.66791	0	0	0	0	0	0	0	0	0	0	0
ATZG36710	PME15	0	0	0	0.824831	0	0	0	0	0	0	0	0	0.136071	NA	0	0	0	0
ATZG36720	ATZG36720	418.4942	381.8287	410.7617	320.8593	315.9969	344.9069	422.4192	347.4026	246.014	332.9589	332.5835	366.7109	-0.29935	0.128894	-0.24818	0.24502	-0.2264	0.493509
ATZG36724	ATZG36724	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG36730	PCMP-E44	22.58917	35.68492	37.34198	48.25262	46.37271	43.86099	46.24378	53.9445	64.43224	43.1791	39.91002	38.32854	0.523777	0.086638	0.751867	0.013849	0.381155	0.540218
ATZG36740	SWC2	147.4241	178.4246	229.2025	235.48														

AT2G37150	AT2G37150	120.0793	114.1917	106.8753	138.984	123.2189	147.5324	164.5211	153.2024	121.0545	107.468	106.4267	109.8061	0.253601	0.2287	0.354598	0.097126	-0.07413	0.875031
AT2G37160	AT2G37160	172.3911	151.6609	172.5457	199.1967	141.1055	216.3144	168.9677	167.2279	129.6112	138.7131	91.79304	149.1705	0.15326	0.576107	-0.10065	0.747111	-0.36945	0.336105
AT2G37170	PIP2-2	890.4891	868.9278	865.3037	808.7469	737.9885	704.7664	498.8993	555.6283	594.5338	782.0215	607.9626	726.1705	-0.21631	0.132406	-0.66331	4.52E-07	-0.3042	0.123406
AT2G37180	PIP2-3	240.1586	214.1095	230.4901	302.713	227.8887	272.1375	160.9639	183.4113	170.843	272.5081	223.4961	217.5404	0.22514	0.234032	-0.40735	0.031466	0.057801	0.889374
AT2G37190	RP12A	377.94	1527.315	1634.033	1817.103	2076.172	1467.35	1354.409	1177.069	2129.193	1705.905	1579.106	1688.528	0.236673	0.324637	0.037225	0.901066	0.127992	0.773406
AT2G37195	AT2G37195	23.7708	21.41095	20.60247	36.70499	33.12336	37.87995	21.34328	31.28781	44.90732	23.98839	19.95501	16.5745	0.646972	0.07839	0.506792	0.216023	-0.11064	0.920352
AT2G37200	AT2G37200	175.9578	130.25	206.0247	145.1703	147.0677	133.5767	97.4254	154.2813	189.3917	146.809	126.3817	129.4883	-0.269	0.204208	0.067556	0.801855	-0.34731	0.274581
AT2G37210	LOG3	3.566712	0	1.287654	5.361402	0.937009	1.993682	6.225124	7.55223	11.71495	1.919071	1.330334	3.10772	0.975885	0.128433	1.394935	0.034479	-0.87714	NA
AT2G37220	CP9B	5065.92	4910.245	4412.791	3774.427	3228.865	3195.872	4314.011	5170.041	5170.041	7722.106	4582.742	4545.751	0.48404	0.013352	0.251701	0.255894	-0.10757	0.794002
AT2G37230	AT2G37230	233.0252	173.0719	195.7235	129.9109	149.0551	152.5166	142.2886	153.2024	180.6055	165.9997	194.2288	184.3914	0.48717	0.007496	-0.34066	0.089618	-0.15355	0.666652
AT2G37240	AT2G37240	172.3911	153.4452	177.6963	226.0037	219.9391	147.5324	198.3147	165.0702	208.9166	279.2249	218.1748	253.7971	0.176259	0.295975	0.176259	0.487078	0.560454	0.041138
AT2G37250	ADK	341.2154	347.928	406.8988	488.3	527.9864	523.3414	496.2313	482.2638	481.2893	366.5426	300.6555	420.5781	0.480307	0.011157	0.406056	0.009129	-0.00759	0.987026
AT2G37260	WRKY44	41.61164	39.25341	48.93086	57.73818	56.97219	63.79781	61.36194	59.33895	52.71728	50.55539	50.55269	59.04667	0.423252	0.113821	0.390652	0.182572	0.284502	0.556992
AT2G37270	RP55A	1055.747	1097.311	1229.71	1164.249	1203.041	986.8724	839.5025	830.7453	1011.391	1170.633	1157.391	1123.599	-0.01025	0.956111	-0.33129	0.018989	0.028633	0.933388
AT2G37280	ABC33	29.7226	35.68492	16.73951	14.43455	9.937009	16.94629	19.56468	28.05114	15.61994	23.98839	39.91002	23.82585	-0.87621	0.030014	-0.32387	0.502806	0.089837	0.922709
AT2G37290	AT2G37290	4.755616	1.784246	5.150617	2.886909	3.974804	1.993682	7.114428	4.31556	4.88123	5.757214	2.660668	8.287252	-0.30646	0.673606	0.299144	0.696501	0.336188	NA
AT2G37300	AT2G37300	64.20081	41.03766	57.94445	85.78244	89.43308	63.79781	63.14055	53.9445	103.4821	53.734	66.5167	85.98024	0.509196	0.109079	0.391009	0.265162	0.297056	0.604225
AT2G37310	PCMP-E49	43.98945	23.1952	37.34198	44.54088	43.72284	43.86099	56.02612	56.10228	66.62227	43.1791	54.54369	34.18492	0.281832	0.388803	0.617413	0.045196	0.264558	0.641615
AT2G37320	PCMP-E50	21.40027	12.48972	23.17778	29.28151	25.83622	35.88627	29.34701	29.13003	37.09735	21.10978	26.60668	21.75404	0.562619	0.128247	0.642649	0.09731	0.205861	0.793159
AT2G37330	ALS3	45.17835	51.74313	38.62963	30.93117	24.51129	25.91786	21.34328	15.10446	27.33489	42.21957	35.91902	41.43626	-0.66318	0.032294	-0.9899	0.002423	-0.15081	0.823895
AT2G37340	RSZ23	657.4639	745.8148	733.963	824.8311	735.3387	758.5958	614.5087	744.4341	840.5478	719.6517	711.7287	558.3536	0.118075	0.530126	0.041373	0.853346	-0.10082	0.764118
AT2G37360	ABC62	0	0	0	0	0.824831	0.662467	0	0	2.15778	0	0	1.330334	0.257712	NA	0.32082	NA	0.183948	NA
AT2G37362	AT2G37362	1.188904	0	0	0.412416	0.662467	0	0	0	1.952492	0	0	1.035907	-0.03438	NA	0.108499	NA	-0.03977	NA
AT2G37370	AT2G37370	2.377808	3.568492	0	0.824831	0.324935	0.996841	1.778607	0	1.952492	1.919071	0	0	-0.92326	0.663423	-0.21129	0.795866	-0.47155	NA
AT2G37380	MAKR3	36.85602	35.68492	38.62963	22.27044	21.9305	32.90423	20.49891	35.14486	45.09817	43.90102	47.6517	-0.49253	0.143407	-0.2985	0.443949	0.280435	0.637328	0.381492
AT2G37390	NAKR2	38.04493	26.76369	29.61605	48.25262	49.02258	46.85152	48.02239	35.60337	42.95482	40.3005	46.56169	45.57989	0.557724	0.058909	0.381892	0.259515	0.432368	0.381492
AT2G37400	AT2G37400	240.1586	228.3835	275.558	248.6866	239.1507	227.2797	202.7612	199.5946	313.375	187.1094	212.8534	226.8635	-0.05595	0.829453	-0.05687	0.838038	-0.24469	0.493509
AT2G37410	TIM17-2	471.9949	492.4519	408.1864	520.056	485.5885	444.591	408.1903	433.7138	504.7192	384.7738	411.0732	437.1526	0.084996	0.628633	-0.02495	0.904422	-0.15041	0.582485
AT2G37420	AT2G37420	152.1797	80.29107	110.7383	133.2102	110.632	138.5609	153.8495	141.3346	109.3396	113.2252	174.2738	152.2783	0.130709	0.674031	0.210892	0.497559	0.319713	0.471543
AT2G37430	ZAT11	1.188904	3.568492	3.862963	7.835896	10.59948	13.95577	9.782338	17.26224	25.33824	0.995936	5.321336	0	1.28827	0.025286	1.884131	0.000782	-0.30614	NA
AT2G37435	AT2G37435	0	0	0	0	0	0	0	0	0	0.995936	0	0	0	NA	0	NA	0.171512	NA
AT2G37440	AT2G37440	1.188904	0	0	2.474493	6.624673	4.984204	5.335821	3.23667	4.88123	0	0	1.035907	1.360044	0.032042	1.30946	0.047166	-0.11914	NA
AT2G37450	AT2G37450	323.8931	353.2807	353.3926	265.1832	264.3244	251.2039	358.3893	343.087	246.902	368.4617	429.6979	392.6086	-0.40582	0.104933	-0.1313	0.250609	0.188728	0.523418
AT2G37460	AT2G37460	350.7267	317.5958	369.5568	292.8151	252.4	225.286	86.26244	90.62675	81.02842	348.3114	267.3971	281.7666	-0.41565	0.015318	-1.9634	0.76E-30	-0.20463	0.501183
AT2G37470	AT2G37470	312.6817	297.9691	327.0642	411.5907	407.4174	290.0807	267.6803	248.1447	441.2632	435.6292	502.8662	442.3321	0.237115	0.348429	0.027553	0.932533	0.537697	0.089198
AT2G37478	CPuORF52	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G37480	AT2G37480	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G37500	AT2G37500	321.0041	337.2225	320.6259	286.2164	255.0499	268.1502	289.0236	297.7736	256.7527	411.6408	469.6079	389.5009	-0.26581	0.074838	-0.21024	0.19941	0.370561	0.055991
AT2G37510	AT2G37510	13.070794	17.136984	11.58889	22.62866	19.87402	21.9305	13.33955	18.34113	23.4299	17.27164	19.95501	20.71813	0.848126	0.044089	0.629312	0.18609	0.695566	0.30711
AT2G37520	AT2G37520	330.5153	369.3389	333.5025	308.4868	318.6468	381.79	441.9838	516.7883	308.4937	302.2537	284.6915	308.7001	-0.03581	0.890232	0.288848	0.18232	-0.1979	0.584037
AT2G37530	AT2G37530	5.94452	1.784246	4.150617	16.08421	11.92441	10.96525	20.45398	15.10446	15.61994	3.838143	0	1.43626	1.200815	0.021981	1.512309	0.003971	-0.42612	NA
AT2G37540	AT2G37540	143.8574	219.4623	187.9975	316.7352	340.5082	357.8658	434.8694	448.8182	367.0685	174.6355	162.3007	150.2064	0.873265	2.05E-07	1.1719	1.49E-12	-0.16024	0.654834
AT2G37550	AGD7	387.5827	305.1061	307.7494	342.7134	374.9565	309.0206	275.6841	266.4858	356.3298	258.1151	204.8714	299.377	0.035373	0.890243	-0.15454	0.514422	-0.38132	0.196967
AT2G37555	AT2G37555	2.377808	0	0	0.412416	0	0	1.778607	0	0.976246	0	0	0	-0.41315	0.521514	0.302736	0.669828	0.198901	NA
AT2G37560	ORC2	32.10041	48.17464	38.62963	26.80701	35.77323	27.91154	19.56468	22.65669	18.54867	41.26003	57.20436	31.0772	-0.34892	0.330571	-0.87146	0.104256	0.12138	0.871042
AT2G37570	SLT1	414.9275	410.3766	385.0086	363.7505	368.3318	425.651	333.4888	343.087	350.4723	373.2594	271.3881	304.5555	-0.06728	0.722437	-0.23307	0.174768	-0.33886	0.133104
AT2G37580	ATL33	24.96698	32.11643	20.60247	52.37678	51.67245	29.90522	43.57587	35.60337	53.69533	29.7456	29.26735	23.82585	0.771441	0.023166	0.733941	0.04199	0.09733	0.910125
AT2G37585	AT2G37585	136.724	123.113	130.0531	103.9287	95.39529	114.6367	88.9305	91.70564	88.83839	147.7685	133.0334	150.2064	-0.31834	0.095712	-0.52589	0.007089	0.141382	0.697022
AT2G37590	DOF2.4	29.7226	32.11643	38.62963	18.97112	23.18635	27.91154	22.23259	22.65669	14.64369	34.54328	22.61568	25.89766	-0.51	0.158377	-0.69047	0.070456	-0.23798	0.736164
AT2G37600	RPL36A	20.27741	255.1472	272.9827	269.3074	213.3344	201.3618	194.7575	151.0446	329.9711	256.196	286.0218	339.7773	0.092433	0.788076	-0.11755	0.744017	0.247332	0.625041
AT2G37610	AT2G37610	2.377808																	

ATZG38130	MAK3	121.2682	148.0924	155.8062	275.906	233.1885	178.4345	174.3035	185.5691	210.8691	125.6992	142.3457	167.8169	0.687999	0.001006	0.414789	0.075572	0.037362	0.949258
ATZG38140	RPS31	1.04148	972.4141	1022.398	1047.536	1015.562	675.858	779.0299	638.7028	1248.619	1194.622	1835.861	1110.492	-0.14072	0.662237	-0.17889	0.586919	0.026369	0.309162
ATZG38150	ATZG38150	1.188904	0	0	0	0	1.987402	0	0.889303	1.07889	0.976246	0.99536	0	0.106425	NA	0.249336	NA	-0.45511	NA
ATZG38152	ATZG38152	0	1.784246	1.287654	2.474493	1.987402	2.990522	2.66791	3.23667	0.976246	2.878607	2.660668	3.10772	0.553578	0.442256	0.485017	0.528009	0.677733	NA
ATZG38160	ATZG38160	24.96698	14.27397	32.19136	43.71605	31.79843	17.94313	37.35075	32.3667	18.54867	36.46235	41.24035	35.22082	0.352659	0.426123	0.24294	0.629487	0.588041	0.392441
ATZG38170	CAX1	3088.772	3768.328	3184.369	1962.686	1857.558	1854.124	1841.748	1945.239	1728.932	2256.828	2084.633	2443.704	-0.82459	0.356123	-0.85518	2.57E-14	-0.55848	2.89E-05
ATZG38180	ATZG38180	123.646	165.9249	148.0802	143.1082	179.5286	91.70935	73.81219	78.75897	102.5058	129.5373	126.3817	107.7343	-0.05736	0.862057	-0.73782	0.00515	-0.24976	0.579277
ATZG38185	ATZG38185	46.36725	42.9319	55.36194	44.54088	51.00998	50.83888	63.14025	42.07671	32.21612	54.69353	50.55269	51.79533	-0.001506	0.99751	-0.06831	0.868241	0.107789	0.874304
ATZG38195	ATZG38195	0	0	0	0	0	0	1.778607	0	0	0	0	0	0	NA	0	NA	0	NA
ATZG38210	PDX114	135.535	173.0719	127.4778	86.19486	80.15854	90.71251	110.2736	139.1768	209.8929	156.4043	122.3907	103.5907	-0.72347	0.005135	0.07884	0.823152	-0.1709	0.748154
ATZG38220	ATZG38220	0	0	0	0.662467	0	0.889303	3.23667	0	0	0	0	1.035907	0.067745	NA	0.605577	NA	0.164045	NA
ATZG38230	PDX11	1278.072	1331.048	1183.354	878.8576	895.6558	1010.797	1540.274	1852.454	2443.544	1408.598	1509.929	1072.163	-0.43561	0.023893	0.680811	0.001258	0.071622	0.86931
ATZG38240	ATZG38240	1.188904	0	2.575309	30.51875	30.47349	68.78201	85.37313	69.04896	67.36097	6.716749	17.29434	7.251346	3.207905	8.5E-12	3.948979	1.54E-17	1.401932	0.051388
ATZG38250	GT-3B	7.133424	3.568492	7.725926	44.12847	51.67245	43.86099	59.58333	59.33895	71.26596	8.635821	6.65167	7.251346	2.461132	6.03E-11	2.883239	1.21E-14	0.131104	0.906639
ATZG38255	ATZG38255	5.94452	3.568492	6.438272	2.886099	5.299738	6.977885	8.003731	7.55223	4.88123	4.976778	5.321336	5.179533	-0.14871	0.838488	0.245084	0.743158	-0.0717	NA
ATZG38260	ATZG38260	206.8693	164.1506	235.6407	183.5249	183.5034	183.4187	192.0896	181.2535	155.2231	177.5141	151.6581	206.1454	-0.14672	0.496336	-0.20324	0.359249	-0.18069	0.607892
ATZG38270	GRX516	671.7307	363.6916	685.0321	627.2841	737.3261	611.0634	815.4913	717.4618	951.8398	768.588	810.1734	756.2119	-0.01244	0.950326	0.314083	0.038178	0.224188	0.335661
ATZG38280	AMPD	77.9308	369.3389	365.6938	311.7862	310.0347	386.7742	406.4117	412.136	305.565	304.1728	254.0938	382.2495	-0.13454	0.547682	0.022903	0.933143	-0.22457	0.509742
ATZG38290	AMT2	112.9459	98.13353	97.86173	284.5667	255.7124	265.1596	230.2296	261.0914	298.7313	80.60099	50.55269	63.1903	1.346946	1.06E-13	1.31567	8.77E-13	-0.63138	0.028479
ATZG38300	ATZG38300	38.04493	57.09587	65.67037	34.64291	31.79843	26.9147	48.02239	39.91893	38.07359	58.63167	49.22236	53.86714	-0.7119	0.013009	-0.31818	0.346025	0.024056	0.976518
ATZG38304	ATZG38304	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
ATZG38310	PYL4	242.5364	194.4828	166.1074	367.0499	365.6819	327.9606	210.7649	222.2513	303.6125	142.9708	141.0154	187.4991	0.792197	6.59E-05	0.276735	0.245973	-0.34525	0.314594
ATZG38320	TBL34	23.77808	30.33218	15.45185	14.43455	16.56168	12.95893	13.33955	6.47334	8.786214	18.23118	38.57969	15.5386	-0.54953	0.235053	-1.04802	0.025518	0.046544	0.968315
ATZG38325	MRX90A	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
ATZG38330	DTX44	425.6276	442.493	497.0346	364.9878	321.9591	352.8816	522.0211	457.4493	417.8333	525.8255	569.3829	440.2603	-0.38642	0.013563	0.033603	0.878466	0.164565	0.561641
ATZG38340	DREB2E	3.566712	1.784246	1.287654	2.200836	17.22415	23.92418	40.01866	42.07671	59.55101	3.88143	6.65167	3.10772	2.2076	3.57E-06	3.342986	2.76E-13	0.416061	0.702755
ATZG38350	ATZG38350	0	0	0	1.237247	0	1.324935	0	0.889303	1.07889	0	0	0	0.492017	NA	0.331678	NA	0	NA
ATZG38360	PR4184	117.7015	87.42806	105.5877	110.115	133.1559	96.69356	88.93035	113.2834	139.6032	100.7512	114.4087	75.62118	0.119956	0.689401	0.120209	0.709838	-0.10775	0.850178
ATZG38365	ATZG38365	0	0	0	0.412416	0	0	0	0	0	1.919701	0	0	0.060903	NA	0	NA	0.281656	NA
ATZG38370	ATZG38370	122.4571	119.5445	109.4506	117.5384	149.7176	108.6556	145.8458	134.8612	205.9879	93.07496	107.7571	110.842	0.097407	0.729768	0.45643	0.056922	-0.1695	0.71428
ATZG38380	PER22	11.88904	12.48972	18.02716	41.24156	35.11077	39.87363	27.56841	23.73558	29.28738	15.35257	15.96401	16.5745	1.321866	0.000156	0.818191	0.039624	0.13316	0.885735
ATZG38390	PER23	5.94452	3.568492	5.150617	56.91335	51.67245	38.87679	11.56805	10.7889	9.76246	3.88143	2.660668	7.251346	2.844117	2.62E-11	0.797811	0.144378	-0.10498	0.937455
ATZG38400	AGT3	178.3356	199.8356	156.6961	269.7198	283.536	329.733	409.9689	460.686	452.0019	240.8434	224.8264	200.9659	0.693233	7.4E-06	1.28381	4.74E-18	-0.311089	0.226969
ATZG38410	ATZG38410	203.3026	183.7773	175.6291	199.1967	182.1785	190.3966	201.8719	194.2002	209.8929	158.3234	156.9794	142.9551	0.034137	0.86925	0.104137	0.565275	-0.28032	0.278963
ATZG38420	ATZG38420	79.65656	60.66437	68.24568	77.94654	94.73282	63.79781	78.25871	67.97007	83.95716	60.45074	78.4897	68.36983	0.173113	0.541735	0.126947	0.691883	-0.02939	0.95656
ATZG38430	ATZG38430	27.34479	16.05821	19.31482	15.67179	14.57428	12.95893	8.003731	15.10446	24.40615	23.02886	23.94601	16.5745	-0.47946	0.294602	-0.37712	0.4613	-0.00601	0.996123
ATZG38440	SCAR2	90.95138	881.4117	745.75549	487.0628	353.0951	531.3161	642.9664	684.0162	333.8781	715.8136	683.7917	675.4111	-0.86032	0.000246	-0.59902	0.017293	-0.28996	0.948655
ATZG38450	ATZG38450	110.5681	112.4075	150.6556	165.7911	196.7528	131.583	150.2923	108.9679	234.299	135.2945	87.80204	175.0682	0.379727	0.251058	0.375757	0.281176	0.08904	0.902388
ATZG38460	IREG1	124.8349	123.113	158.3815	70.52306	68.23413	67.78517	88.93035	95.25787	93.71962	175.295	174.2738	209.2531	-0.95336	3.25E-07	-0.52105	0.010576	0.449072	0.091202
ATZG38465	ATZG38465	11.88904	0.7136984	7.725926	16.90904	17.88662	16.94629	37.35075	45.31338	94.6586	21.10978	34.58868	20.71813	0.7049	0.140551	2.308824	2.36E-08	-1.8593	0.015699
ATZG38470	WRKY33	267.5034	399.6711	302.5988	1416.235	1157.33	1879.045	2534.515	2462.027	1741.623	203.4126	242.1208	216.5045	2.131406	1.62E-25	2.712442	5.02E-41	-0.52624	0.102621
ATZG38480	ATZG38480	91.5456	112.4075	139.0667	49.48987	65.58426	49.84204	51.5796	49.62894	51.74104	160.2424	187.5771	120.1652	-1.01221	2.37E-05	-1.11011	8.69E-06	0.431037	0.25109
ATZG38490	CPK22	3.566712	1.736984	7.725926	11.13522	17.22415	10.96525	15.11816	7.55223	6.833722	1.919071	9.312338	14.23626	0.880657	0.135443	0.536675	0.404612	-0.22326	NA
ATZG38500	ATZG38500	16.64466	14.27397	21.89012	27.63184	23.18635	18.93997	19.56468	29.13003	11.71495	26.867	27.93701	21.78994	0.365016	0.409806	0.142707	0.794626	0.474412	0.499012
ATZG38510	ATZG38510	0	0	0	0	0	0	0	0	0.976246	0	0	0	0	NA	0.16673	NA	0	NA
ATZG38520	ATZG38520	1.188904	5.352738	1.287654	0	0	0	0	0	0	0	0	1.035907	-1.19249	NA	-1.11421	NA	-0.86483	NA
ATZG38530	LTP2	26.15589	5.352738	30.9037	165.7911	131.1685	166.4724	77.3694	78.75897	120.0783	30.70514	21.28534	20.71813	2.611648	9.87E-18	1.895946	2.26E-09	0.125664	0.88141
ATZG38540	LTP1	4192.075	4879.913	4549.283	5509.872	4894.308	4137.886	2655.46	2851.506	3603.324	6742.657	7697.312	4622.215	0.092445	0.712812	-0.56481	0.005663	0.472259	0.094676
ATZG38544	ATZG38544	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG38550	FAX3	300.7927	289.0479	300.0235	396.3314	336.5334	376.8058	445.0871	441.2664	538.8878	315.6872	288.6825	372.9264	0.312675	0.061865	0.6467	3.95E-05	0.134074	0.676985
ATZG38560	PHI5	284.148	265.9314	265.2568	260.2342	265.6494	330.9511	299.6953	330.6414	323.1374	287.8607	275.3791	314.9156	0.072836	0.701673	0.202966	0.250444	-0.10958	0.697022
ATZG38570	ATZG38570	43.98945	39.25341	43.78025	42.06639	35.77323</													

AT2G39090	APC7	153.3686	180.2088	148.0802	170.74	143.0929	123.6083	135.1741	143.4924	87.86214	166.9592	174.2738	134.6678	-0.11766	0.668122	-0.37583	0.136223	-0.01311	0.984212
AT2G39100	AT2G39100	78.46766	98.13353	99.14938	145.5827	147.0677	125.6019	158.296	148.8868	134.7219	83.4796	78.4897	84.9434	0.60309	0.00175	0.672939	0.000648	-0.14378	0.739037
AT2G39110	AT2G39110	9.511232	8.92123	10.30123	24.33252	17.88662	12.95893	25.7988	15.10446	15.52492	12.47396	14.63367	11.39497	0.825981	0.07055	0.907291	0.056603	0.31905	NA
AT2G39120	AT2G39120	33.28931	28.54794	14.1642	23.09527	29.14856	16.94629	21.34328	17.26224	20.50117	27.82653	23.94601	32.1131	-0.10075	0.833565	-0.31771	0.496004	0.14112	0.870038
AT2G39130	AT2G39130	165.2576	146.3082	142.9296	136.922	139.1181	135.7053	136.6304	147.8079	104.4583	96.9131	131.7031	126.3806	-0.14165	0.538727	-0.22566	0.336154	-0.3575	0.283475
AT2G39140	SVR1	296.0371	324.7328	265.2568	275.906	272.274	262.1691	394.0567	31.0359	343.6386	282.1035	294.0038	340.8132	-0.12008	0.509927	0.253228	0.142389	0.054102	0.682054
AT2G39160	AT2G39160	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT2G39170	AT2G39170	115.3237	103.4863	99.14938	150.5317	161.642	118.6241	148.5137	115.4412	145.4607	88.27728	119.7301	140.8833	0.429152	0.067117	0.35198	0.196049	0.122303	0.806773
AT2G39175	MIR160A	0	0	0	0.412416	0.662467	0	0	0	0	0	0	0	0.196313	NA	0	NA	0	NA
AT2G39180	CCR2	51.12287	46.3904	48.93086	12.37247	18.54908	22.92734	20.45398	31.28781	29.28738	39.34096	39.91002	45.57989	-1.40743	0.000004	-0.80979	0.013884	-0.21744	0.726314
AT2G39190	ATATH8	1191.282	1231.13	1182.067	735.7494	816.1597	864.261	1043.153	1152.254	783.9255	1140.888	1089.544	1069.056	-0.57018	0.000109	-0.27073	0.103131	-0.12505	0.672425
AT2G39200	ML012	3.566712	8.92123	10.30123	62.27475	34.4483	50.83888	41.79726	47.47116	20.50117	6.716749	2.660668	8.287252	2.306472	7.26E-08	1.898435	2.05E-05	-0.23445	0.836955
AT2G39210	AT2G39210	135.535	162.3664	153.2039	697.8072	545.2106	694.798	350.3856	372.217	274.3251	49.89585	51.88302	78.7289	2.056822	9.1E-29	1.117412	9.77E-09	-1.25344	0.326E-07
AT2G39220	PLP6	111.757	101.702	106.8753	126.9912	126.5312	114.6367	96.04478	152.1235	133.7457	118.0229	109.0874	79.7648	0.19169	0.462003	0.236379	0.382629	-0.06433	0.909153
AT2G39230	LOJ	26.15589	19.62671	18.02716	22.27044	24.51129	18.93997	28.45771	30.20892	13.66744	13.4335	7.982004	15.5386	0.042722	0.937071	0.154147	0.773716	-0.66636	0.326542
AT2G39240	AT2G39240	15.45575	16.05821	9.01358	8.660727	10.59948	8.971567	10.67164	15.10446	11.71495	18.23118	19.95501	15.5386	-0.44555	0.365641	-0.09149	0.883546	0.366783	NA
AT2G39250	SNZ	297.226	346.1437	385.0086	339.418	337.8583	309.0206	385.9577	315.0359	294.8263	387.6524	545.4369	339.7773	-0.05611	0.82998	-0.04308	0.879519	0.296518	0.368587
AT2G39260	UPF2	650.3305	483.5307	383.721	398.8059	342.4956	390.7616	433.0908	536.2083	442.2394	418.3575	349.8778	438.1885	-0.41379	0.042743	-0.10459	0.684548	-0.32237	0.314184
AT2G39270	AT2G39270	166.4466	155.2294	132.6284	265.1832	264.2344	235.2544	187.643	166.1491	210.8691	119.942	123.7211	134.6768	0.742873	6.85E-06	0.308879	0.113641	-0.25795	0.410066
AT2G39280	AT2G39280	342.4043	383.6129	390.1593	288.6909	216.6268	326.9638	257.0087	264.328	181.5818	409.7217	385.7969	399.8599	-0.41561	0.035052	-0.64952	0.000847	0.098793	0.812937
AT2G39290	PGP51	20.6006	196.2671	203.9449	183.5249	179.5286	131.583	186.5737	162.9124	176.7005	192.8667	171.6131	176.1041	-0.27178	0.147032	-0.19741	0.347763	-0.15896	0.646155
AT2G39300	AT2G39300	53.50068	28.54794	46.35556	23.09527	23.18635	31.8899	55.2714	37.76115	28.31113	38.38143	41.24035	42.47217	-0.72388	0.019561	-0.34493	0.337117	-0.09716	0.894073
AT2G39310	JAL22	17.83356	19.62671	23.17778	41.65397	34.4483	45.85468	43.57587	63.65451	87.86214	23.98839	14.63367	29.00538	0.899647	0.013062	1.536178	8.94E-06	0.148426	0.866179
AT2G39320	AT2G39320	0	0	0.1287654	0.412416	0	0	0.778607	1.10289	3.904984	0	0	0.1035907	-0.25895	NA	0.782293	NA	-0.06737	NA
AT2G39330	JAL23	181.9023	123.113	163.5321	154.6558	110.632	90.71251	109.3843	111.1257	144.4844	332.9589	344.5565	268.2998	-0.35616	0.141294	-0.35616	0.190158	0.9686	0.000323
AT2G39340	AT2G39340	739.4883	672.6608	646.4025	41.11783	531.7701	477.867	505.1244	573.9694	318.2562	596.8312	589.3379	59.6626	-0.7129	0.000459	-0.54415	0.01126	-0.27243	0.447105
AT2G39350	ABC61	27.34479	26.76369	23.17778	65.16166	73.53387	91.70935	90.92796	75.4144	97.7222	821.3625	433.6889	398.824	1.467865	8.1E-07	0.937171	0.004235	-0.36582	0.573823
AT2G39360	AT2G39360	218.7583	194.4828	178.984	173.3897	181.516	202.3587	192.0896	194.2002	199.1542	151.6066	176.9344	147.0987	-0.09991	0.612489	-0.01882	0.937233	-0.31911	0.225288
AT2G39370	MAKR4	1.188904	1.784246	1.287654	1.237247	0	0	0	0	0.952492	0.995936	0	0	-0.8936	NA	-0.29065	NA	-0.44374	NA
AT2G39380	ATEX07H2	40.42272	51.74313	56.65679	56.50093	59.62205	56.81992	63.14055	48.55005	52.71728	40.3005	41.24035	41.43626	0.216176	0.465551	0.150851	0.656589	-0.25444	0.622741
AT2G39390	RPL35B	589.6964	529.9211	727.5247	1003.407	1020.2	715.371	835.2607	501.6838	977.2222	821.3625	980.4561	686.806	0.543803	0.03914	0.118219	0.728552	0.409143	0.312328
AT2G39400	AT2G39400	294.8482	435.3569	375.9954	720.9024	737.9885	662.8991	525.3736	754.1441	914.7425	612.6003	433.6889	398.824	0.193469	0.12E-10	1.163269	1.51E-15	-0.17484	0.550684
AT2G39410	AT2G39410	3.566712	1.784246	3.862963	29.69392	42.39791	33.89259	23.12189	18.34113	21.47741	1.919071	0	0.1035907	2.795185	1.21E-09	2.082827	1.91E-05	-0.70129	NA
AT2G39415	AT2G39415	0	0	0	0.412416	0	0	0.889303	0	0	0	0	0	0.066991	NA	0.136991	NA	0	NA
AT2G39420	AT2G39420	170.0133	194.4828	151.9432	440.0474	463.7271	408.7047	368.1716	361.4281	503.7429	168.8783	179.5951	164.7091	1.326376	1.99E-15	1.23633	3.02E-13	-0.00462	0.992945
AT2G39430	DIR9	9.511232	3.568492	6.438272	1.649662	0.662467	0	0.889303	2.15778	1.952492	4.797678	3.991002	3.10772	-1.65309	0.007379	-1.23713	0.061266	-0.51611	NA
AT2G39435	AT2G39435	65.38972	78.50683	68.24568	40.41673	38.4231	46.85152	58.69403	65.81229	51.74104	82.52006	59.86503	108.7702	-0.72337	0.006484	-0.24829	0.43994	0.254382	0.599666
AT2G39440	AT2G39440	57.06739	35.68492	74.68395	49.48987	62.93439	50.83888	38.24005	29.13003	62.47974	35.50282	46.56169	73.54963	-0.04847	0.918109	-0.34824	0.408623	-0.11177	0.892499
AT2G39445	AT2G39445	36.85602	33.90067	47.64321	50.72712	43.06037	41.86731	32.90423	44.23449	36.1211	37.42189	30.59768	36.25236	0.191632	0.57032	-0.07747	0.851683	-0.17369	0.785928
AT2G39450	MTP11	732.3648	888.5545	793.1951	568.3087	529.9738	554.2435	568.2649	563.1805	623.8121	759.5922	831.4587	660.9084	-0.53661	0.000034	-0.45094	0.000821	-0.09736	0.71872
AT2G39460	RPL23AA	1863.012	1973.376	2365.421	2985.064	3054.637	2083.397	2281.063	1738.092	2731.536	2153.198	2723.194	2885	0.378805	0.083842	0.118882	0.658582	0.314036	0.360146
AT2G39470	PNSL1	1096.169	1459.513	1438.31	944.0193	1037.424	842.3305	1324.173	1336.745	1552.231	1535.257	1452.725	1562.147	-0.48993	0.000837	0.07778	0.687129	0.187544	0.470585
AT2G39480	ABC86	527.8734	431.7875	399.1728	293.6399	268.9617	351.8848	388.2656	458.5282	391.4746	309.93	309.9678	357.3878	-0.56903	0.000545	-0.13461	0.514422	-0.46817	0.038423
AT2G39490	AT2G39490	0	0	0	0.1237247	0	0	0.1324935	0.996841	0.889303	0	0	0.2071813	0.611607	NA	0.153037	NA	0.347265	NA
AT2G39500	AT2G39500	28.53369	21.41095	23.17778	44.54088	49.68505	23.92418	30.23632	26.97225	76.14719	41.26003	42.57069	49.72351	0.611133	0.152508	0.750974	0.084739	0.75182	0.225684
AT2G39510	AT2G39510	2.377808	8.92123	2.575309	1.649662	3.312336	0.996841	0	0.107889	0	4.797678	6.56167	5.72951	-0.64625	0.354152	-1.38379	0.036011	0.268729	NA
AT2G39518	AT2G39518	2.377808	3.568492	1.287654	26.3946	31.13596	26.9147	21.34328	33.44559	20.50117	2.878607	7.982004	1.035907	2.647017	3.3E-08	2.47156	4.62E-07	0.269047	NA
AT2G39520	AT2G39520	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT2G39530	AT2G39530	0	0	0	13.60971	9.937009	17.94313	5.335821	2.15778	3.904984	0	0	0	2.872303	6.01E-07	1.357593	0.037336	0	NA
AT2G39540	AT2G39540	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0.136991	NA	0	NA
AT2G39550	GGB	150.9908	162.3664	151.9432	264.3584	248.4252	235.2544	202.7612	182.3324	166.9381	182.3118	174.2738	167.8169	0.683517	9.09E-06	0.247375	0.187417	0.17	

ATZG39990	TIF3F1	603.9632	588.8012	598.7593	606.6633	654.5177	682.8359	598.5012	604.1784	680.4435	558.4497	468.2776	571.8204	0.113209	0.445269	0.070538	0.673736	-0.15975	0.489046
ATZG40000	HSRPO2	752.5762	981.3353	784.1815	2649.77	2698.892	5142.702	5019.229	4792.429	5500.17	578.6	602.6413	625.6875	1.986056	1.34E-20	2.514019	1.11E-32	-0.4592	0.196396
ATZG40004	ATZG40004	0	0	0	0.412416	0.662467	1.93682	0	0	0	0	0	0	0.557527	NA	0	NA	0	NA
ATZG40008	ATZG40008	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0	NA	0	NA
ATZG40010	RPP0A	55.87849	0.03766	33.47901	39.17948	43.72284	31.8989	24.9005	20.49891	25.3824	49.89585	49.22236	38.32854	-0.16688	0.643942	-0.82204	0.01302	0.061672	0.936502
ATZG40020	ATZG40020	219.9472	248.0102	220.1889	221.8796	267.6368	173.4503	173.4142	180.1746	198.1779	379.9761	351.2082	292.1256	-0.04172	0.869237	-0.30741	0.158293	0.563414	0.022287
ATZG40030	NRPE1	150.9908	87.42806	109.4506	54.85127	47.69764	75.7599	79.14801	86.3112	59.5101	103.6298	87.80204	131.5601	-0.94725	0.000346	-0.61139	0.037175	-0.10913	0.860324
ATZG40050	ATZG40050	1.188904	0	5.150617	2.062078	0	0.996841	1.778600	0	0.976246	0	2.660668	3.10772	-0.38279	0.597764	-0.41983	0.572792	-0.08591	NA
ATZG40060	CLC2	802.5102	808.2635	776.4556	764.6185	818.8095	719.719	768.3582	785.4319	982.1035	877.0156	923.2518	803.8635	-0.04965	0.775301	0.086441	0.618181	0.123416	0.63088
ATZG40070	ATZG40070	331.7042	319.38	262.6815	196.7222	167.6042	225.286	208.097	309.6414	196.2254	291.6988	315.2892	281.7666	-0.61865	0.002178	-0.34861	0.121819	-0.03914	0.940496
ATZG40080	ELF4	40.42273	58.8012	66.95803	225.5913	235.1759	259.1786	1001.356	1070.259	1928.086	83.4796	158.3097	64.2262	1.844722	1.17E-06	4.085436	1.02E-29	0.745714	0.227753
ATZG40081	ATZG40081	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG40085	ATZG40085	3.566712	5.352738	3.862963	9.897974	7.28714	0.996841	6.225124	6.47334	17.57243	3.838143	9.312338	8.287252	0.383428	0.580808	0.858885	0.188542	0.470067	NA
ATZG40090	ATATH9	129.5905	108.839	113.3136	139.8089	154.3549	176.4408	177.8607	180.1746	121.0545	141.0517	162.3007	105.6625	0.392735	0.09978	0.4247	0.087616	0.198448	0.655065
ATZG40095	ATZG40095	19.02246	26.76369	30.9037	121.2502	138.4557	135.5703	121.8346	105.7312	125.9357	14.39033	13.30334	16.5745	2.264703	1.12E-19	2.110321	1.16E-16	-0.68557	0.177994
ATZG40100	LHC84.3	228.2696	169.5034	213.7506	107.228	99.37009	88.71883	128.0597	173.7013	214.7741	252.3579	224.8264	243.438	-1.01733	5.24E-07	-0.24653	0.315828	0.224995	0.553904
ATZG40110	ATZG40110	59.4452	55.31163	77.25926	183.9733	237.1633	186.4092	204.5398	157.5179	232.3465	77.72239	78.4897	62.15439	1.59096	3.69E-13	1.561122	0.20E-12	0.160715	0.759001
ATZG40113	ATZG40113	3.566712	1.784246	0	2.474493	2.649869	8.971567	8.003731	4.31556	2.928738	0	1.330334	0	0.705923	0.309072	0.829333	0.244488	-0.59723	NA
ATZG40116	PLC6	0	0	0	0.662467	0	0.889303	0	0	1.919071	0	1.035907	0	0.082217	NA	0.147923	NA	0.489613	NA
ATZG40120	ATZG40120	85.60108	64.23286	72.10864	53.20161	38.4231	41.86731	66.69776	59.33895	47.83605	57.7214	51.88302	99.44703	-0.68658	0.020278	-0.33856	0.322719	-0.08304	0.905142
ATZG40130	ATZG40130	233.0252	183.7773	181.5593	82.0029	68.9666	59.81045	101.3806	107.889	88.83839	225.4909	183.5861	238.2585	-1.62838	8E-19	-0.98688	1.83E-07	0.111451	0.779682
ATZG40140	CFZ1	410.4236	265.8272	202.7642	79.4249	75.5.2127	1185.244	1407.767	1496.42	1247.642	180.3927	230.1478	175.0682	1.871391	1.7E-21	2.499481	0.95E-38	-0.2469	0.538161
ATZG40150	TBL28	87.97889	73.15409	95.28642	58.97543	59.62205	55.82308	36.46144	42.07671	33.19236	100.7512	109.0874	102.5547	-0.54519	0.013956	-1.1649	5.43E-07	0.264401	0.491558
ATZG40160	TBL30	51.12287	32.11643	38.62963	48.25262	50.34751	34.88943	43.57587	40.99782	38.31113	47.01725	38.57969	40.40035	0.122811	0.743426	-0.12326	0.766566	0.030508	0.971681
ATZG40170	EM6	0	0	0	11.96005	5.299738	11.96209	4.446517	2.15778	3.904984	0	1.035907	0	2.413065	4.49E-05	1.266662	0.055503	0.076618	NA
ATZG40180	PP2C5	1.188904	1.784246	6.438272	20.20836	17.22415	14.95261	7.114428	9.710009	6.833722	4.797678	2.660668	2.071813	1.884077	0.000303	0.858389	0.168212	-0.03096	NA
ATZG40190	ALG11	124.8349	94.56504	168.6827	135.2723	164.2919	160.4914	160.0746	148.8868	131.7932	129.5373	113.0784	131.5601	0.218088	0.364634	0.164537	0.539444	-0.06162	0.907542
ATZG40200	BHLLH51	11.88904	14.27397	12.87654	26.3946	46.37271	29.90522	31.12562	20.49891	18.54867	16.31211	14.63367	8.287252	1.238236	0.002299	0.741529	0.109864	0.002347	0.998194
ATZG40205	RPL41E	4.755616	3.568492	12.87654	15.67179	20.53649	5.981045	16.89677	8.63112	38.07359	7.676285	18.62468	37.29264	0.662353	0.281937	1.100748	0.065278	1.094644	NA
ATZG40210	AGL48	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG40220	AB14	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG40230	ATZG40230	45.17835	49.95889	45.0679	21.44561	16.56168	14.95261	18.67537	19.42002	24.40615	43.1791	19.95501	37.29264	-1.25937	0.000105	-1.06833	0.002032	-0.41726	0.471105
ATZG40233	ATZG40233	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG40240	ATZG40240	27.34479	26.76369	20.60247	18.97112	19.21155	10.96525	16.89677	18.34113	33.19236	13.4335	19.95501	22.78994	-0.50048	0.244528	-0.10738	0.845094	-0.36742	0.629251
ATZG40250	ATZG40250	1.188904	1.784246	2.575309	0	0	0	0	0	0.995936	3.991002	2.071813	0	-1.07132	0.073814	-0.94806	0.122945	0.196477	NA
ATZG40260	ATZG40260	30.9115	44.60615	60.51975	37.94223	50.34751	32.89575	48.02239	37.76115	37.09735	47.01725	71.83803	54.92005	-0.14578	0.706487	-0.12917	0.761952	0.323954	0.570796
ATZG40270	ATZG40270	768.0319	744.0306	748.1272	888.3431	1033.449	1058.645	950.6654	761.6963	657.0136	526.7851	484.2416	526.3043	0.391118	0.0122	0.067616	0.745265	-0.54618	0.004634
ATZG40280	ATZG40280	313.8706	293.1952	269.1198	178.9884	169.5916	186.4092	173.4142	230.8824	136.6744	207.2597	207.5321	258.9766	-0.59715	0.003811	-0.58286	0.006659	-0.27096	0.453336
ATZG40290	ATZG40290	573.0517	592.3697	567.8556	561.2976	519.3743	570.1929	421.5299	520.025	517.4104	515.2706	454.9742	530.3841	-0.06892	0.674666	-0.24641	0.094157	-0.20192	0.366371
ATZG40300	FER4	469.6171	501.3731	553.6914	761.7316	688.966	659.9086	816.3806	754.1441	918.6475	658.2414	751.6387	661.9443	0.46593	0.000586	0.698848	1.19E-07	0.434803	0.014066
ATZG40310	ATZG40310	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
ATZG40316	ATZG40316	217.5694	239.089	226.6272	218.1678	254.3874	230.2702	200.0933	152.1235	202.0829	245.6411	198.2198	226.8635	0.041633	0.851249	-0.28909	0.134166	-0.01805	0.970574
ATZG40320	TBL33	48.74506	35.68492	45.0679	20.62078	21.19895	21.9305	21.34828	20.49891	19.52492	57.57214	70.5077	42.47217	-0.97683	0.001427	-1.01055	0.002014	0.355208	0.502444
ATZG40330	PYL6	8.322328	1.784246	5.150617	27.63184	27.82363	14.95261	13.39455	5.39445	12.6912	6.716749	1.330334	4.143626	1.73365	0.000549	1.713059	0.240398	-0.24192	NA
ATZG40340	DREB2C	3.566712	0	6.438272	77.94654	67.57166	90.71251	160.446	128.3879	122.3007	1.919071	2.660668	0	3.655054	1.19E-20	4.435575	2.71E-30	-0.63572	0.50721
ATZG40350	DREB2H	0	0	0	1.649662	0.662467	2.990522	7.114428	11.86779	14.64369	0	0	0	0.703517	0.305185	2.653317	7.21E-06	0	NA
ATZG40360	ATZG40360	664.5973	635.1916	674.7309	675.9491	630.0064	744.6401	688.3209	700.1996	591.6051	580.5191	558.7403	644.3339	0.050337	0.760839	0.002628	0.988746	-0.14509	0.544146
ATZG40370	LAC5	3.566712	0	3.862963	4.124156	1.987402	1.993682	3.557214	3.23667	1.952492	3.838143	1.330334	3.10772	0.049811	0.953725	0.072877	0.934866	0.049604	NA
ATZG40380	PRA182	185.469	140.9554	163.5321	161.6669	174.8914	159.4945	131.6169	128.3879	217.7029	140.0922	148.9974	131.5601	0.011014	0.971072	-0.04192	0.984872	-0.22162	0.597783
ATZG40390	ATZG40390	23.77808	26.76369	16.73951	30.93117	31.79843	32.89575	43.57587	40.99782	27.33489	22.06932	22.61568	22.78994	0.476473	0.19012	0.693573	0.057533	0.0149	0.988889
ATZG40400	ATZG40400	781.1099	724.4039	694.0457	369.5244	366.3444	390.7616	336.1567	359.2703	269.4439	827.1197	984.4471	763.6431	-0.965307	1.78E-11	-1.17156	3E-16	0.2219	0.37122
ATZG40410	CAN2	227.0807	248.0102	238.2161	351.7905	331.2336	341.9164	263.2338	266.4858	311.4225	196.7048	148.9974	261.0484	0.514116	0.006528	0.232424	0.290283	-0.2181	0.5

ATZG40880	CYS3	584.9407	749.3833	804.784	1068.981	1150.043	803.4537	844.8383	704.5151	1305.241	777.2239	955.1798	940.6031	0.482876	0.043989	0.402323	0.115595	0.310093	0.437917
ATZG40900	CYP98A3	405.4162	397.8869	390.1593	379.0099	325.9339	375.809	349.4963	379.7693	440.2869	324.323	266.0668	349.1005	-0.14092	0.430757	-0.02934	0.894642	-0.33504	0.15423
ATZG40900	ATZG40900	54.68958	46.3904	48.93086	30.10634	32.4609	25.91786	16.00746	19.42002	16.59618	42.21957	38.57969	56.97486	-0.7127	0.015039	-1.4245	5.14E-06	-0.11349	0.866179
ATZG40910	ATZG40910	0	1.784246	0	0	0.662467	0	1.778607	2.15778	0	0	0	1.035907	-0.19574	NA	0.357643	NA	-0.08154	NA
ATZG40920	ATZG40920	160.502	149.8767	163.5321	132.3854	119.2441	116.6304	128.949	128.3879	117	127.6182	139.6851	156.4219	-0.35171	0.052018	-0.34365	0.077946	-0.16264	0.632192
ATZG40925	ATZG40925	0	0	0	0.412416	0	0	1.778607	0	0.976246	0	0	0	0.06212	NA	0.46701	NA	0	NA
ATZG40930	URP5	263.9367	265.8527	243.3667	229.3031	192.1155	265.1596	242.7799	280.5114	153.2706	213.9764	212.8534	175.0862	-0.16851	0.516741	-0.18664	0.493582	-0.34936	0.337418
ATZG40935	PCR10	52.31177	57.09587	43.78025	74.6722	68.23413	72.76938	84.48383	97.10009	68.33722	49.89585	59.86503	74.58527	0.480663	0.061744	0.681305	0.010122	0.259714	0.59788
ATZG40940	ERS1	586.1296	587.0169	566.5679	594.2908	589.5959	677.8517	633.1841	631.1506	397.3321	450.0222	477.5899	444.4039	0.094434	0.667975	-0.06467	0.792814	-0.33578	0.227791
ATZG40950	BZIP17	196.1692	171.2876	163.5321	281.2674	291.4856	284.0996	249.8943	261.0914	187.9342	165.9997	176.9344	168.8528	0.673964	4.61E-05	0.383021	0.03901	-0.05789	0.891191
ATZG40955	ATZG40955	0	0	0	0	0	0	1.778607	1.07889	0.976246	0	0	0	0.035907	0	0.682983	NA	0.193216	NA
ATZG40960	ATZG40960	357.8601	388.9656	418.4877	329.9325	327.9213	338.9259	330.8209	239.5136	192.3205	503.7562	565.3919	450.0395	-0.21947	0.33049	-0.59199	0.004343	0.329379	0.30711
ATZG40970	MVBC1	66.57862	73.15409	73.3963	58.1506	74.19633	50.83888	49.80099	52.86561	58.57476	48.93632	59.86503	72.51346	-0.19754	0.49902	-0.38231	0.190664	-0.22192	0.65505
ATZG40980	ATZG40980	253.2365	205.1883	229.2025	132.3854	153.0299	164.4787	169.857	193.1213	158.1519	209.1788	190.2378	197.8581	-0.62007	0.000165	-0.40142	0.025715	-0.20396	0.502394
ATZG40990	PAT02	0	0	0	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA	NA	NA
ATZG40995	ATZG40995	0	0	0	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA	NA	NA
ATZG41000	ATJ72	49.93397	66.0171	50.21852	73.40997	79.49607	56.81992	79.14801	67.97007	66.38473	54.69353	57.20436	32.1131	0.348514	0.235116	0.36202	0.246565	-0.18799	0.747719
ATZG41010	CAMBP25	47.55616	46.3904	48.93086	82.0707	72.8714	125.6019	97.82338	111.1257	105.4346	47.01725	50.55269	34.18492	0.903165	0.000704	1.078435	5.58E-05	-0.12118	0.856796
ATZG41020	ATZG41020	82.03437	76.72258	87.5605	125.7868	90.75802	96.69356	88.93035	87.39009	99.57709	80.60099	105.0964	95.3034	0.344876	0.147929	0.15286	0.598525	0.170524	0.712267
ATZG41040	ATZG41040	118.8904	115.976	123.6148	92.7935	84.79581	103.6714	126.2811	124.0723	119.102	118.0229	131.7031	142.9551	-0.3537	0.071239	0.040894	0.878829	0.124776	0.749819
ATZG41050	ATZG41050	47.55616	42.8219	46.38272	35.46774	27.82363	16.94629	35.57214	32.3667	27.33489	52.77446	50.55269	62.15439	-0.84449	0.006147	-0.66027	0.049317	0.086831	0.950542
ATZG41060	UBA2B	199.7359	203.404	224.0519	204.9705	157.0047	200.365	232.9975	222.2513	103.4821	208.2192	195.5591	246.5458	-0.15074	0.632825	-0.15945	0.633984	0.050897	0.939653
ATZG41070	DPBF4	45.17835	30.33218	28.3284	64.33683	82.80841	48.8452	32.01493	56.10228	68.33722	32.62421	51.88302	43.50807	0.839929	0.014193	0.521307	0.179848	0.248722	0.726018
ATZG41080	PCMP-H29	96.30122	123.113	103.0123	105.166	109.9696	101.6778	86.26244	99.25787	67.36097	113.2252	86.47171	97.37521	-0.01041	0.971382	-0.33091	0.180793	-0.09488	0.850046
ATZG41082	ATZG41082	3.566712	5.352738	1.287654	9.073143	7.28714	2.990522	3.557214	4.31556	6.833722	0	1.330334	3.10772	0.719614	0.277585	0.363643	0.640794	-0.56374	NA
ATZG41090	CML10	3089.961	3830.776	4000.742	7013.539	6937.357	5937.184	2931.144	2673.489	3469.578	2360.458	1841.182	3084.93	0.844025	6.32E-06	-0.26038	0.242103	-0.5684	0.024565
ATZG41100	CML12	1255.483	1960.886	1503.98	7949.31	6960.544	9227.755	8820.112	9027.072	9314.363	804.0909	971.1438	1108.42	2.30372	1.01E-02	2.470459	3.87E-49	-0.69231	0.00191
ATZG41110	CAM2	212.8138	231.952	215.0383	533.6658	616.0946	477.4867	305.0311	322.5881	548.6502	189.0285	246.1118	187.4991	1.260252	7.02E-09	0.805337	0.000479	-0.08333	0.879636
ATZG41120	ATZG41120	121.2682	137.3869	142.9296	105.166	125.8688	125.6019	144.9655	131.6246	159.1322	147.6671	166.781	166.781	-0.17577	0.405607	0.032057	0.903974	0.306895	0.304362
ATZG41130	BHLH106	54.68958	49.95889	56.65679	48.25262	49.68505	49.68505	50.02339	52.71728	59.49121	62.5257	62.5257	62.54539	-0.26753	0.356067	-0.05713	0.877723	0.175906	0.742031
ATZG41140	CRK1	40.79141	339.0067	347.6667	283.7419	287.5108	250.207	318.706	276.1958	337.7811	272.5081	266.0668	338.7414	-0.40641	0.012333	-0.22968	0.212361	-0.31519	0.208313
ATZG41150	ATZG41150	20.21137	16.05821	30.9037	26.80701	19.21155	10.96525	32.01493	19.42002	28.11113	34.54328	22.61568	30.04129	-0.18173	0.711279	0.209876	0.681539	-0.32975	0.665137
ATZG41160	ATZG41160	164.0687	173.0719	194.4358	251.9859	290.1607	275.1281	258.7873	256.7758	187.4392	183.2173	174.2738	149.1705	0.604837	0.000729	0.393647	0.046339	-0.06848	0.878139
ATZG41170	ATZG41170	167.6355	210.541	207.3123	151.2626	119.2441	149.5261	42.68657	61.49673	69.31347	165.9997	146.3367	147.0987	-0.57461	0.003968	-1.69749	8.32E-17	-0.33276	0.30711
ATZG41178	ATZG41178	0	0	0	1.237247	1.987402	0.996841	0	0	1.952492	0	0	0	0.70932	NA	0.322285	NA	0	NA
ATZG41180	SIB2	46.36725	89.2123	65.67037	127.4364	136.4683	147.5324	181.4179	204.9891	250.8952	63.32935	58.53469	76.65708	1.01368	1.16E-05	1.631258	2.59E-13	0.012465	0.987026
ATZG41190	ATZG41190	48.74506	78.50683	63.09506	60.62509	51.67245	83.73463	53.35821	50.70783	29.28738	82.52006	38.57969	48.68761	0.042566	0.925108	-0.04598	0.232914	-0.12564	0.871288
ATZG41200	ATZG41200	27.34479	33.90067	38.62963	28.45667	25.17376	27.91154	28.45771	17.26224	41.00233	54.69353	29.26735	37.29264	-0.26381	0.523936	-0.17483	0.711075	0.277311	0.689625
ATZG41210	PIP5K5	126.0238	149.8767	135.2037	99.80457	95.39529	97.6904	116.4998	103.5734	101.5296	154.4852	102.4357	184.3914	-0.46699	0.039827	-0.33509	0.180761	0.11592	0.806773
ATZG41220	GLU2	552.8403	438.9245	404.3235	429.737	363.6945	422.6605	328.153	468.2382	281.1588	427.9529	316.6195	370.8545	-0.19486	0.421021	-0.36618	0.116362	-0.31338	0.372189
ATZG41225	ATZG41225	0	0	0	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA	NA	NA
ATZG41230	ORS1	1.188904	1.784246	5.150617	0.824831	2.649869	0	0	2.15778	0.976246	3.838143	1.330334	1.035907	-0.52328	0.469712	-0.58712	0.428007	-0.16516	NA
ATZG41231	ATZG41231	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
ATZG41233	ATZG41233	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
ATZG41240	BHLH100	0	7.136984	2.575309	0.412416	0	0	1.07889	0	1.919071	2.660668	2.071813	-1.2155	0.051017	-0.10182	0.120882	-0.19716	0	NA
ATZG41250	ATZG41250	8508.509	544.195	491.884	1408.399	1324.272	1011.793	508.6816	466.0805	492.028	51.41325	469.6079	517.9533	1.264362	5.84E-20	-0.07155	0.726233	-0.03988	0.916924
ATZG41260	M17	0	0	1.287654	9.897974	11.92441	11.96209	10.67164	29.13003	4.88123	0.959536	0	2.071813	2.082422	0.000404	2.381493	5.15E-05	0.13667	NA
ATZG41270	ATZG41270	0	0	0	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA	NA	NA
ATZG41280	M10	0	0	1.237247	0.662467	0	0	1.07889	0	0	0	0	0	0.354932	NA	0.164413	NA	0	NA
ATZG41290	SSL2	47.55616	64.23286	61.80741	23.9201	15.89921	28.90838	27.56841	24.81447	24.40615	59.49121	38.57969	66.29802	-1.25661	2.85E-05	-1.08309	0.000674	-0.04857	0.951828
ATZG41300	SSL1	9.511232	10.70548	12.87654	7.42348	3.974804	3.987363	6.225124	4.67334	4.88123	7.676285	5.321336	8.287252	-0.8183	0.130811	-0.71539	0.228837	-0.48848	NA
ATZG41310	ARR8	19.02246	265.8527	391.4469	193.4229	168.9292	162.485	165.4104	147.8079	121.0545	369.4212	460.2956	398.824	-0.93508	2.34E-07	-1.20445	5.51E-11	0.255301	0.424257
ATZG41312	ATZG41312	91.42648	1.784246	12.87654	4.124156	5.299738	6.977885	5.335821	3.23667	6									

AT2G41750	AT2G41750	57.06739	64.23286	68.24568	30.93117	28.48609	42.86415	35.57214	26.97225	35.14486	76.76285	70.5077	58.01077	-0.87401	0.001026	-0.89513	0.001617	0.115927	0.849161
AT2G41760	AT2G41760	180.7134	157.0137	203.4494	130.3233	159.6546	179.4313	137.842	116.5201	168.8906	177.5141	171.6131	168.8528	-0.21879	0.034964	-0.3492	0.118603	-0.06718	0.887188
AT2G41770	AT2G41770	347.16	265.8527	278.1333	183.5249	211.3271	227.2797	202.7612	187.7268	178.6563	306.0919	323.2712	241.3662	-0.52091	0.002374	-0.63475	0.000024	-0.04047	0.928400
AT2G41780	AT2G41780	26.15589	10.70548	18.02716	26.80701	13.91181	16.94629	12.45025	21.5778	27.33489	13.4335	9.312338	4.143626	0.061599	0.919901	0.106802	0.867503	-0.85245	0.256107
AT2G41790	PXM16	992.7348	983.1196	861.4408	867.7224	798.9355	1004.816	1035.149	1087.521	707.7783	875.0965	884.6721	866.0179	-0.08628	0.68839	-0.0032	0.989471	-0.10925	0.764095
AT2G41800	AT2G41800	5.94452	1.784246	6.438272	6.598649	3.974804	5.981045	2.23259	23.73558	29.7778	4.979678	0	0	0.091226	0.901523	1.937347	0.000159	-0.83647	NA
AT2G41810	AT2G41810	1.188904	0	2.575309	2.062078	2.649869	0.996841	2.66791	2.15778	3.904984	0.959536	2.660668	0	0.23102	0.177188	0.538512	0.477878	-0.10643	NA
AT2G41820	PXC3	650.3305	372.9074	418.4877	148.5057	148.3927	199.3827	174.3035	219.3857	133.7457	354.0686	363.1812	427.8294	-0.15102	1.12-112	-1.54369	5.42E-13	-0.3258	0.381641
AT2G41830	AT2G41830	129.5905	119.5445	96.57408	53.61402	43.06037	92.70619	72.03358	73.36452	38.07359	100.5712	91.79304	90.12387	-0.83906	0.005807	-0.85672	0.005844	-0.27124	0.631994
AT2G41835	SAP11	67.76752	66.0171	56.65679	134.4475	129.8436	138.5609	129.8383	125.1512	136.6744	53.734	65.18636	55.93895	1.051857	6.93E-08	1.013043	4.83E-07	-0.12848	0.792895
AT2G41840	RP52C	4547.558	4464.184	4703.801	4694.939	4665.757	4827.7	3637.251	3931.475	4763.104	4591.378	3889.897	4274.15	0.048191	0.765396	-0.15204	0.289196	-0.10337	0.675466
AT2G41850	ADP2G	0	0	9.01358	55.26369	55.64725	36.88311	14.22886	4.31556	3.904984	0.959536	0	1.035907	3.0922	1.71E-09	0.784043	0.227433	-0.798	NA
AT2G41860	CPK14	0	0	0	0	0.662467	0	0	0	0	0.1919071	1.330334	0	0.095991	NA	0	NA	0.511024	NA
AT2G41870	AT2G41870	277.0146	381.8287	334.7901	273.4315	227.8887	212.3271	146.7351	135.9401	180.6055	287.8607	247.4421	367.7468	-0.45319	0.029236	-1.06285	9.52E-08	-0.12573	0.768547
AT2G41880	GK-1	108.1903	108.839	77.25926	124.9619	125.8688	150.523	104.0485	116.5201	149.3656	90.19635	67.84703	93.23159	0.431088	0.067841	-0.32278	0.21843	-0.20495	0.654266
AT2G41890	SD31	159.3131	167.7191	163.5321	105.166	89.43308	143.5451	142.8856	154.2813	105.4346	130.4968	131.7031	147.0987	-0.53463	0.014808	-0.27776	0.269882	-0.25069	0.52541
AT2G41900	AT2G41900	959.4455	943.8662	874.3173	659.0041	613.4447	814.4189	758.5759	856.6386	483.2418	815.6053	657.185	776.9299	-0.40295	0.058081	-0.39366	0.075635	-0.29453	0.390087
AT2G41905	AT2G41905	7.133424	1.28972	11.58889	31.34358	27.82363	26.9147	41.79726	31.28781	72.2422	23.98839	18.62468	20.71813	1.264732	0.001938	0.956096	6.24E-07	0.862744	0.181131
AT2G41910	AT2G41910	0	0	0	0.412416	0	0	0.889303	0	0	0	0	0	0.066991	NA	0.136991	NA	0	NA
AT2G41920	AT2G41920	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G41930	AT2G41930	0	0	0	0	0	0	0	0	0.959536	2.660668	0	0	0.008588	0.975625	-0.69309	0.000772	-0.544752	NA
AT2G41940	ZFP8	316.2484	317.5958	217.6136	314.2607	290.8231	246.2197	179.6393	184.4902	154.2469	190.9476	274.0488	219.6122	0.008588	0.975625	-0.69309	0.000772	-0.544752	NA
AT2G41945	AT2G41945	46.36725	74.93833	65.67037	144.7579	142.4305	110.6493	93.37687	94.94231	120.0783	67.16749	65.18636	52.83123	1.079484	2.82E-06	0.711371	0.004704	0.003131	0.996482
AT2G41950	AT2G41950	184.2801	217.678	197.0111	149.7069	164.9544	137.564	138.7313	117.599	156.1994	263.8723	227.4871	257.9407	-0.38674	0.028411	-0.51767	0.004274	0.327672	0.21385
AT2G41960	AT2G41960	590.8853	501.3731	436.5148	317.9724	337.8583	339.9227	385.0684	449.8971	330.7559	456.5887	518.8302	404.0035	-0.61141	9.24E-05	-0.32278	0.059157	-0.17098	0.565333
AT2G41970	AT2G41970	0	0	0	0	0	0	0	1.07889	0	0.959536	2.660668	0	0	NA	0.171049	NA	0	0.543664
AT2G41980	SINAT1	192.6024	249.7944	218.9012	189.2987	172.2415	186.4092	218.7687	226.5669	168.8906	246.6007	235.4691	199.93	-0.25709	0.183867	-0.05663	0.681109	0.051458	0.905663
AT2G41990	AT2G41990	21.40027	8.92123	19.31482	12.37247	9.274542	18.93997	11.56095	16.18335	20.50117	27.82653	22.61568	23.82855	-0.3374	0.488644	-0.08222	0.890464	0.482846	0.512425
AT2G41997	LCR51	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G42000	AT2G42000	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G42005	AT2G42005	0	0	1.287654	0.412416	1.987402	0	0.889303	1.07889	2.928738	3.838143	0	3.10772	0.104346	0.89624	0.46693	0.517345	0.720738	NA
AT2G42010	PLDBETA1	235.403	185.5616	198.2588	160.0172	151.705	159.4945	188.5323	234.1191	164.0093	160.2424	190.2378	169.8887	-0.39236	0.036694	-0.08572	0.725426	-0.2565	0.418001
AT2G42020	AT2G42020	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G42030	AT2G42030	260.37	251.5787	207.3123	194.2477	187.4782	209.3366	175.1928	213.6202	228.4416	210.1383	222.1658	203.0377	-0.28018	0.110698	-0.21733	0.2628	-0.17592	0.571787
AT2G42040	AT2G42040	215.1916	253.3629	220.1889	159.1924	135.8058	149.5261	98.71269	122.9935	188.4155	231.2481	214.1838	233.079	-0.60625	0.00517	-0.72148	0.001093	-0.01521	0.981084
AT2G42050	AT2G42050	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	NA	0.16673	NA	0	NA
AT2G42060	AT2G42060	0	0	0	1.649662	1.987402	0	0	1.07889	0.976246	0	1.330334	0	0.629119	NA	0.316823	NA	0.181785	NA
AT2G42070	NUD23	319.8152	365.7704	329.6395	249.5114	289.4982	268.1502	298.806	263.2491	324.1137	274.4272	266.0668	369.8186	-0.32312	0.070254	-0.18768	0.356536	-0.14829	0.654834
AT2G42080	AT2G42080	71.33424	74.93833	100.437	130.3233	121.2315	111.6462	103.1592	94.94231	104.5833	102.6703	77.15937	118.0933	0.543198	0.014931	0.280456	0.28555	0.267956	0.512425
AT2G42090	ACT9	1.188904	0	0	0.412416	0.662467	0.996841	0.889303	1.07889	0	1.330334	1.035907	0	0.10758	NA	0.10638	NA	0.157337	NA
AT2G42100	ACT5	0	0	1.287654	0.412416	0	0	0.889303	0	0.976246	0	1.330334	1.035907	-0.21466	NA	0.102878	NA	0.157479	NA
AT2G42110	AT2G42110	4.755616	1.784246	12.87654	14.02213	13.24935	10.96525	11.56095	11.86779	10.73871	3.838143	5.321336	11.39497	0.738887	0.177591	0.579276	0.342475	0.00735	NA
AT2G42120	POLD2	104.6235	66.0171	103.0123	104.7536	90.75802	102.6746	90.78086	74.44341	71.26596	89.23689	89.13238	104.6266	0.100254	0.718129	-0.22149	0.423351	0.027428	0.964915
AT2G42130	PAP13	634.8747	270.8354	754.5654	700.6941	753.8878	687.8201	956.8905	796.2208	922.5528	912.5184	945.8675	895.3202	0.023456	0.889557	0.31565	0.008174	0.380849	0.018268
AT2G42140	VQ17	0	0	1.287654	0.649662	0.662467	1.993682	0	2.15778	1.952492	0	0	1.035907	0.455088	0.495216	-0.394668	0.572286	-0.07407	NA
AT2G42150	AT2G42150	5.94452	5.352738	3.862963	2.474493	1.987402	2.990522	0.889303	2.15778	1.952492	4.797678	3.991002	7.251346	-0.68479	0.302598	-0.95601	0.163836	-0.09093	NA
AT2G42160	BRIZ1	206.8693	198.0513	199.5864	260.6466	205.3649	231.2671	241.0012	240.5925	227.4653	214.936	222.1658	225.8276	0.206822	0.226538	0.2247	0.21459	0.128555	0.685051
AT2G42170	AT2G42170	95.11232	133.8185	106.8753	38.35465	44.38531	46.85152	57.80473	87.39009	77.12343	143.9303	110.4177	135.7038	-1.32331	5.23E-09	-0.56642	0.022414	0.230607	0.587462
AT2G42180	AT2G42180	0	1.784246	0	0	0.662467	0	0	0	0	0	0	0	-0.12017	NA	-0.24312	NA	-0.23848	NA
AT2G42190	AT2G42190	689.5643	633.4073	616.7864	630.9958	929.4416	605.0824	585.1617	474.7116	1057.274	753.2355	1011.054	804.8994	0.151238	0.64155	0.120146	0.713736	0.385192	0.38553
AT2G42200	SPL9	141.4796	130.25	132.6284	76.7093	83.47088	66.78833	76.4801	78.75897	54.66978	133.3755	126.3817	150.2064	-0.80391	4.39E-05	-0.92121	7.79E-06	0.020433	0.971051
AT2G42210	OE1P6	689.5643	713.6984	75.1679	962.9904	942.0285	790.4947	749.6828	611.7306	1033.845	863.5812	925.9124	932.3159	0.30184	0.124488	0.134157	0.165179	0.136675	0.286759
AT2G42220	STR9	4331.177	5044.064	5245.904	2586.258	2956.591	2703.432	2909.864	2107.072	1979.827	5411.781	5152.383	5184.712	-0.18188	5.67E-14	-1.18563			

AT2G42700	MIP3	150.9908	180.2088	130.0531	155.8931	133.8184	183.4187	190.3109	201.7524	103.4821	157.3638	160.9704	134.6678	0.036834	0.913943	0.10473	0.756893	-0.02	0.978296
AT2G42710	AT2G42710	249.6698	180.2088	230.4901	237.9638	248.4252	278.1186	222.3259	250.3025	262.6102	247.5629	283.3611	219.1221	0.19076	0.526057	0.13969	0.520357	0.165819	0.618027
AT2G42720	AT2G42720	2.377808	1.784246	5.150617	0.824831	0.662467	0.996841	1.778899	0	6.716749	2.660668	9.323159	-0.95105	0.316623	-0.78482	0.276724	0.710783	NA	NA
AT2G42730	AT2G42730	86.78999	58.88012	82.40988	65.98649	51.67245	42.86415	61.36194	52.86561	48.8123	74.84378	89.13238	73.54936	-0.47375	0.073203	-0.47626	0.093686	0.034141	0.960703
AT2G42740	RP11A	181.9023	153.4452	243.3667	181.4629	202.715	165.4756	107.6057	121.9146	167.9143	199.5834	199.5501	192.6786	-0.07649	0.780329	-0.53349	0.019732	0.023798	0.968213
AT2G42750	AT2G42750	1803.567	2412.301	2110.465	1094.551	1123.544	1047.68	1098.29	1091.837	904.0038	2390.203	2568.875	1947.504	-0.93703	1.8E-10	-1.0139	5.49E-12	0.126519	0.861525
AT2G42760	AT2G42760	153.3686	92.78079	114.6012	132.3854	131.1685	158.4977	111.1629	108.9679	238.204	112.2657	86.47171	113.9497	0.200978	0.570746	0.316644	0.37089	-0.0181	0.750853
AT2G42770	AT2G42770	454.1613	472.8252	488.021	435.0984	476.9764	458.5468	514.0174	441.266	564.2702	522.9469	538.7853	386.3931	-0.04594	0.828401	0.10233	0.612538	0.193173	0.940496
AT2G42780	AT2G42780	36.85602	39.25341	55.36914	47.42779	43.06037	63.79781	47.13308	53.9445	38.07359	49.89585	25.27635	40.40035	0.196575	0.592168	0.069511	0.875381	-0.15709	0.825918
AT2G42790	CSY3	424.4387	549.5478	585.8827	798.0241	903.6054	796.4758	803.041	918.1353	773.1868	492.2418	436.3495	448.5475	0.67234	4.42E-06	0.669298	6.43E-06	-0.17265	0.54288
AT2G42800	AIRLP29	80.84547	55.31163	52.79383	32.16841	35.77323	37.87995	25.7898	25.89336	28.31113	63.23935	42.57069	69.40574	-0.81542	0.003906	-1.17333	7.59E-05	-0.09953	0.879636
AT2G42810	PAPP5	441.0834	474.6094	485.4457	397.5686	393.5056	457.5499	465.1057	496.2894	404.1658	337.7565	321.9408	304.8132	-0.16787	0.263999	-0.036	0.851217	-0.47706	0.005903
AT2G42820	HVA227	2.377808	5.352738	9.01358	8.248311	10.59948	7.94726	12.45025	5.39445	5.857476	13.37355	7.982004	6.215439	0.506888	0.406555	0.375274	0.583657	0.545186	NA
AT2G42830	AGL5	0	0	1.287654	0.824831	0	1.993682	0	0	2.878607	0	0	1.035907	0.210637	NA	-0.27293	NA	0.390706	NA
AT2G42835	AT2G42835	0	0	0	0	0	0	0.889303	0	0.976246	0	0	1.035907	0	NA	0.330786	NA	0.182304	NA
AT2G42840	PDF1	880.9778	758.3046	777.7432	1160.537	1192.441	1248.045	880.4104	927.8453	836.6428	892.3681	856.7351	728.2423	0.566189	2.05E-06	0.125875	0.404985	0.032482	0.917771
AT2G42850	CYP718	10.70014	5.352738	9.01358	4.124156	1.987402	4.984204	2.66791	0	1.952492	0.995936	1.330334	2.071813	-0.85786	0.176836	-1.51788	0.016171	-1.55471	NA
AT2G42860	AT2G42860	14.26685	7.136984	9.01358	7.835896	8.612075	4.984204	7.114428	6.47334	15.61994	9.595356	6.65167	6.215439	-0.40185	0.496336	-0.06645	0.927468	-0.35688	NA
AT2G42870	PAR1	29.72226	19.62671	33.47901	27.63184	19.87402	13.95577	18.67537	14.02557	47.83605	23.02886	21.28534	95.93865	-0.35341	0.510338	-0.0438	0.946928	0.229103	0.81941
AT2G42880	MPK20	1154.426	1088.39	999.2198	635.5324	527.3239	741.6495	708.7749	730.4085	419.7858	1037.258	1306.388	950.9622	-0.74488	0.000506	-0.77721	0.000338	0.021662	0.971556
AT2G42885	AT2G42885	1.188904	0	0	0	0	0	1.07889	0	0	0	0	2.071813	-0.24397	NA	-0.03439	NA	0.124938	NA
AT2G42890	ML2	315.0595	274.7739	254.9556	212.8064	191.453	272.1375	281.0199	257.8547	223.5603	168.8783	179.5951	178.1759	-0.32512	0.08452	-0.14579	0.512653	-0.66943	0.002872
AT2G42900	AT2G42900	24.96698	33.90067	28.3284	12.78488	11.26194	14.95261	23.12189	20.49891	37.09735	40.3005	35.91902	33.14901	-1.05458	0.003202	-0.08162	0.868338	0.325444	0.612836
AT2G42910	PRS4	363.8046	308.6746	352.8173	251.5735	269.6242	294.068	23.8868	272.9592	323.1374	296.4965	247.4421	289.0179	-0.33431	0.051116	-0.30491	0.095684	-0.2948	0.26805
AT2G42920	PCMP-75	174.8574	114.1917	106.8753	44.54088	30.47349	78.75042	80.92662	77.68008	46.85981	146.809	129.0424	130.5242	-1.20046	4.39E-05	-0.77947	0.1013352	0.146092	0.825753
AT2G42930	AT2G42930	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G42940	AHL16	0	0	0	0.412416	0	0.996841	0.889303	0	0	0.959536	0	3.10772	0.203616	NA	0.139625	NA	0.647709	NA
AT2G42950	AT2G42950	84.41218	76.72258	87.5605	144.7579	136.4683	141.5514	141.3993	138.0979	98.60085	85.39867	86.47171	78.7289	0.739228	0.000257	0.579932	0.007782	0.001539	0.997839
AT2G42955	AT2G42955	4.755616	40.70648	3.862963	3.71174	3.974804	1.993682	3.53821	5.5223	5.857476	1.919071	3.991002	5.179533	-0.61476	0.339971	0.028606	0.972196	-0.50685	NA
AT2G42960	AT2G42960	58.25629	44.60515	30.9037	28.86999	32.4609	29.90522	42.68657	36.68226	28.31113	40.3005	31.92802	60.08258	-0.51949	0.132885	-0.2912	0.467849	-0.00726	0.993182
AT2G42970	AT2G42970	0	0	0	0	0	0	1.07889	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G42975	AT2G42975	122.4571	164.1506	130.0531	75.05963	64.92179	47.84836	54.24751	40.99782	49.78855	171.7569	204.8714	120.1652	-1.0692	1.31E-05	-1.43423	1.5E-08	0.24938	0.589724
AT2G42980	AT2G42980	14.26685	16.05821	15.45185	5.361402	7.949607	9.968408	10.61764	6.47334	6.837722	22.06932	14.63367	8.28752	-0.85659	0.082226	-0.74862	0.165223	-0.00111	NA
AT2G42990	AT2G42990	17.83356	21.41905	16.39861	11.13522	1.993682	8.003731	7.55223	9.228738	34.54328	34.54328	27.93701	22.78994	-1.23046	0.007708	-1.25802	0.014563	0.55385	NA
AT2G43000	JUB1	5.94452	8.92123	6.438272	83.30795	72.20893	77.75358	74.70149	80.91675	53.69353	6.716749	1.330334	3.10772	3.084288	2.38E-17	2.92106	2.57E-15	-0.56411	0.519392
AT2G43010	PIF4	2073.448	2237.445	2219.916	1137.855	942.0285	1160.323	1121.412	1190.016	818.094	2364.296	2387.949	1992.048	-0.99371	8.64E-11	-1.04272	1.1E-11	0.045765	0.907091
AT2G43018	CPuORF17	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G43020	PAO2	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G43030	RPL3A	3636.857	3896.793	4048.385	2474.493	2714.791	2612.72	3254.851	3472.947	4213.478	4125.044	3558.643	4426.429	-0.56323	1.95E-05	-0.08104	0.644368	0.064085	0.836113
AT2G43040	NP61	36.85602	35.68492	30.9037	30.10634	30.47349	29.90522	23.12189	22.65669	27.34849	35.50282	39.91002	41.43626	-0.17884	0.620132	-0.46403	0.194551	0.165721	0.799703
AT2G43050	PME16	1.188904	0	1.287654	2.474493	3.312336	0.996841	1.07889	0	0	1.330334	1.035907	0	0.558996	0.430873	0.514242	0.491043	-0.09057	NA
AT2G43060	IBH1	68.95643	94.56504	88.84815	85.78244	94.07035	88.71883	79.14801	60.41784	83.95716	94.99403	85.14137	66.29802	0.097337	0.738538	-0.15247	0.616201	-0.02084	0.975875
AT2G43070	SP13	388.7716	378.2602	369.5568	386.4334	412.7171	380.7932	442.8731	406.7415	330.9474	353.1091	304.6465	412.2908	0.05335	0.796758	0.054209	0.808584	-0.08231	0.818544
AT2G43080	PAH1	91.5456	112.4075	176.4086	272.1943	253.0625	217.3113	224.1045	227.6458	195.2492	150.6471	107.7571	151.2424	0.932246	3.83E-05	0.734821	0.002059	0.105835	0.848956
AT2G43090	AT2G43090	1039.102	90.2565	991.4938	1095.788	1269.287	990.8597	996.9092	972.0798	1377.483	996.9755	1172.024	96.4239	0.149474	0.445084	0.144713	0.438311	0.053993	0.900371
AT2G43100	IPM12	613.4744	388.9656	432.4519	295.9392	284.8609	249.2102	216.1007	226.5669	283.1113	672.6345	703.7467	523.1328	-0.76803	0.001004	-0.96068	1.28E-11	0.388861	0.903131
AT2G43110	AT2G43110	91.5456	83.85956	108.163	116.3012	103.3449	90.71251	94.26617	80.91675	125.9357	111.3061	94.45371	109.8061	0.130878	0.63218	0.078657	0.803773	0.146721	0.760003
AT2G43120	AT2G43120	79.6556	66.0171	77.25926	89.9418	100.695	90.71251	125.9319	118.6779	183.524	114.847	97.11438	96.33931	0.308331	0.227492	0.897804	8.33E-05	0.439538	0.233965
AT2G43130	RABA5C	148.613	167.7191	173.8333	216.1058	221.2641	169.4629	220.5473	180.1746	159.1281	146.809	106.4267	179.2118	0.307114	0.192662	0.189467	0.831692	-0.1648	0.713306
AT2G43137	AT2G43137	1.188904	0	1.287654	0	0	1.07889	0.976246	0	0	0	0	3.10772	-0.51555	NA	-0.08075	NA	0.091648	NA
AT2G43138	AT2G43138	0	1.784246	0	0.412416	2.649869	0	0	0	0	1.919071	1.330334	1.035907	0.270704	NA	-0.31874	NA	0.407811	NA
AT2G43139	AT2G43139	1.188904	1.784246	0	0.412416	1.987402	0	0.889303	1.07889	0	0.959536	1.330334							

ATZG43590	ATZG43590	13.07794	30.33218	14.1642	42.4788	37.09817	41.86731	102.2699	112.2046	142.5319	7.676285	5.321336	15.5386	1.038332	0.00243	2.522573	6.05E-16	-0.76412	0.219079
ATZG43600	ATZG43600	0	0	0	0.412164	0.662467	0	0.889303	0	0	0	0	0	0.208167	NA	0.156588	NA	0	NA
ATZG43610	ATZG43610	5.94452	3.568492	9.01358	15.25938	11.26194	8.971567	10.67164	11.86779	11.71495	6.716749	9.312338	9.323159	0.746689	0.155688	0.65501	0.255829	0.28848	NA
ATZG43620	ATZG43620	17.83356	7.136984	10.30123	87.01969	64.25933	77.75358	43.57587	56.10228	41.00233	8.635821	6.65167	14.50269	2.410443	1.18E-12	1.722902	1.67E-06	-0.24425	0.78583
ATZG43630	ATZG43630	299.6038	305.1061	339.9407	359.6264	340.5082	329.9543	391.2935	330.1403	416.857	363.664	375.1542	433.0089	0.124743	0.473814	0.265581	0.107917	0.305811	0.178439
ATZG43640	SRP14	146.2352	181.9931	187.9975	269.3074	307.3848	225.286	211.6542	208.2258	326.0662	194.7857	220.8354	187.4991	0.622814	0.004204	0.517647	0.0042826	0.217614	0.597926
ATZG43650	EMB2777	393.5272	306.8903	309.037	339.418	314.672	277.1217	335.2674	334.4559	370.9735	284.9821	258.0848	313.8797	-0.1133	0.552157	0.0382	0.866696	-0.23452	0.39353
ATZG43660	ATZG43660	1.188904	1.784246	1.287654	0.824831	0	0	0.889303	0	0.904984	2.878607	1.330334	2.071813	-0.59407	0.384484	0.0973	0.908949	0.278745	NA
ATZG43670	ATZG43670	0	3.568492	1.287654	1.237247	1.324935	2.990522	1.778607	3.23667	2.928738	0.99536	1.330334	2.071813	0.095567	0.910396	0.416695	0.596051	-0.01034	NA
ATZG43680	IQD14	2453.898	2071.51	1823.319	1492.12	1297.773	1493.267	1523.377	1894.531	1292.55	1658.078	1813.245	1477.203	-0.55707	0.001149	-0.42288	0.019532	-0.3532	0.175409
ATZG43690	LECRK53	17.83356	19.62671	14.1642	6.598649	6.624673	7.974726	8.003731	9.710009	9.76246	9.59536	19.95501	16.5745	-1.10096	0.014823	-0.766	0.126187	-0.1483	NA
ATZG43700	LECRK54	19.02246	23.1952	19.31482	15.67179	15.23675	18.93997	18.67537	16.18335	18.54867	17.27164	18.62468	20.71813	-0.27935	0.521701	-0.16602	0.744944	-0.09446	0.920768
ATZG43710	FAB2	1663.277	1381.006	1400.968	937.4206	946.6657	804.4505	991.5734	836.1397	836.6428	1303.409	1599.061	1282.452	-0.71439	0.431E-07	-0.72832	3.23E-07	-0.08832	0.777751
ATZG43720	ATZG43720	29.7226	12.48972	24.46543	42.89122	41.07297	31.8989	41.79726	29.13003	51.74104	39.34096	39.91002	45.57989	0.697238	0.044081	0.761465	0.035148	0.780148	0.115581
ATZG43730	JAL24	0	0	0	0.412164	0.662467	0	0.889303	0	0.976246	0	0	0	0.222449	NA	0.350665	NA	0	NA
ATZG43740	JAL25	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG43750	ATZG43745	3.566712	3.568492	0	1.237247	1.987402	0.996841	0	1.07889	3.904984	1.919071	5.321336	2.071813	-0.33498	0.663587	-0.22425	0.97286	0.201686	NA
ATZG43760	OASB	1907.002	1989.434	1975.262	857.8244	775.7492	929.0556	992.4627	1139.308	1190.044	2126.331	1818.567	1938.181	-1.18563	2.12E-25	-0.81389	2.65E-12	0.003927	0.990831
ATZG43770	MOC52	378.0715	451.4142	486.7333	583.9805	683.0038	575.1771	584.2714	566.4172	644.3224	490.3227	524.1516	429.912	0.480422	0.001271	0.443141	0.004151	0.132142	0.654464
ATZG43780	ATZG43770	279.3924	287.2636	298.7358	230.9527	255.0499	266.1565	273.0162	292.3792	249.919	275.3867	309.9678	229.9712	-0.2047	0.235321	-0.08524	0.680703	-0.08896	0.794731
ATZG43790	ATZG43780	40.42273	44.60615	54.08148	94.44317	84.79581	68.78201	40.90796	47.47116	113.2445	31.66468	41.24035	47.6517	0.772356	0.031464	0.486772	0.228945	-0.19112	0.80822
ATZG43790	MPK6	825.0993	810.0477	780.3185	609.1378	730.7014	671.8707	743.5577	808.0886	742.9232	713.8945	788.888	701.3087	-0.26361	0.033333	-0.07399	0.634443	-0.13261	0.506552
ATZG43795	ATZG43795	0	0	0	0	0	0	0	0	0.976246	0	0	0	0	NA	0.16673	NA	0	NA
ATZG43800	FH2	442.2723	206.9725	247.2296	129.0861	157.0047	141.5514	147.6244	182.3324	123.9832	282.1035	313.9588	251.7253	-1.0294	3.89E-05	-0.9426	0.000237	-0.08542	0.88731
ATZG43810	LSM6B	279.3924	335.4383	305.1741	493.6614	437.8909	430.6352	345.9391	304.247	354.3773	358.8663	365.8418	285.9102	0.566364	0.000175	0.131122	0.499506	0.13653	0.654861
ATZG43820	UGT74F2	300.7927	351.4965	275.558	360.4512	435.9035	478.4836	445.5041	371.1381	418.8095	56.77104	316.6195	295.2334	0.449956	0.007224	0.41264	0.018708	-0.0728	0.852822
ATZG43830	ATZG43830	4.755616	10.70548	6.438272	7.701165	13.91181	4.984204	8.893033	3.23667	4.984204	5.672114	18.62468	10.35907	0.227138	0.741069	-0.21738	0.773716	0.512752	NA
ATZG43840	UGT74F1	10.70014	12.48972	9.01358	9.485558	5.962205	4.984204	8.003731	8.63112	11.71495	3.838143	10.64267	6.215439	-0.46368	0.418024	-0.13105	0.852179	-0.52489	NA
ATZG43850	ATZG43850	134.3461	128.4657	146.7926	379.0099	353.0951	375.809	305.2074	270.8014	246.9902	106.5085	107.7571	154.3501	1.402306	7.85E-17	0.98217	2.47E-08	-0.14888	0.702132
ATZG43860	ATZG43860	0	0	0	0	0	0	0	1.778607	0	0	0.99536	0	0	NA	0.262373	NA	0.143228	NA
ATZG43865	ATZG43865	0	0	1.287654	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
ATZG43870	ATZG43870	1.188904	5.352738	2.575309	2.474493	0.662467	2.990522	6.225124	4.31556	2.928738	7.676285	2.660668	5.179533	-0.32575	0.667012	0.408007	0.597041	0.564183	NA
ATZG43871	ATZG43871	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG43880	ATZG43880	0	0	0	0	0.662467	0	0.889303	0	0	0	0	0	0.097058	NA	0.130384	NA	0	NA
ATZG43890	ATZG43890	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
ATZG43900	5PTASE12	275.8257	299.7533	279.421	176.5139	153.6924	182.4219	166.2998	195.2791	146.4369	262.9128	268.7275	272.4434	-0.72515	1.47E-06	-0.73811	2.26E-06	-0.08402	0.805161
ATZG43910	HOL1	727.6092	902.8285	767.442	1184.87	1134.806	1067.616	770.1368	706.6729	780.0205	949.9403	1037.66	773.8222	0.496186	0.000489	-0.08256	0.66359	0.202677	0.414558
ATZG43920	HOL2	65.38972	69.58526	96.57408	43.30364	42.39791	38.87679	31.12562	56.10228	58.57476	71.96517	77.15937	64.2262	-0.84565	0.001815	-0.64493	0.028264	-0.11809	0.850178
ATZG43930	ATZG43930	2.377808	5.352738	3.862963	5.773818	5.962205	3.987363	8.893033	4.31556	8.86214	6.716749	5.321336	12.43089	0.673997	0.305442	0.314685	0.647341	0.794123	NA
ATZG43932	ATZG43932	0	3.568492	0	1.237247	0.662467	1.993682	0	0	2.878607	2.660668	1.035907	0	0.12657	0.871888	-0.57403	0.396674	0.462914	NA
ATZG43940	HOL3	60.6341	62.44861	57.94445	117.5384	117.2567	97.6904	65.80846	57.18117	77.12343	26.867	41.24035	32.1131	0.863763	0.000167	0.144258	0.652906	-0.82322	0.018523
ATZG43945	ATZG43945	1179.393	1243.619	1277.353	804.6228	859.2201	850.3052	1247.693	958.0543	784.9018	1677.268	1754.711	1553.86	-0.54831	0.000647	-0.30087	0.091736	0.422853	0.056721
ATZG43950	PEP37	261.5589	235.5205	233.0654	263.946	307.3848	283.1028	277.4627	261.0914	265.5389	254.2769	282.0308	249.6535	0.217532	0.162575	0.134719	0.454217	0.097866	0.751681
ATZG43960	ATZG43960	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG43970	LARP6B	8236.727	8328.86	7964.142	7437.915	6914.171	7434.439	6548.831	7108.806	5251.227	7422.008	8218.803	6516.888	-0.1689	0.275388	-0.37073	0.010061	-0.14501	0.571167
ATZG43980	ITPK4	126.0238	133.8185	124.9025	206.2078	192.778	202.3587	208.097	201.7524	280.6055	142.9708	179.5951	172.9964	0.636123	0.000126	0.60928	0.000424	0.352425	0.188033
ATZG43990	ATZG43990	47.55616	32.11643	42.49259	28.45667	31.79843	44.85784	42.68657	51.78672	41.97858	47.97678	47.89202	47.6517	-0.26558	0.427619	0.12655	0.746643	0.199334	0.74103
ATZG44000	ATZG44000	1.188904	1.784246	1.287654	0.262078	1.993682	1.778607	1.07889	0	2.878607	1.330334	1.035907	0	0.267603	0.733478	-0.20531	0.808526	0.154195	NA
ATZG44010	ATZG44010	2.377808	0	0	4.124156	8.612075	4.984204	5.572124	2.15778	5.857476	0	0	0	1.418266	0.024999	0.954794	0.170539	-0.50082	NA
ATZG44020	ATZG44020	103.4346	99.91778	91.42346	76.29688	92.08295	97.6904	88.04104	97.10009	116.1733	94.99403	94.45371	95.3034	-0.15984	0.515537	0.02983	0.921712	-0.04776	0.930472
ATZG44030	ATZG44030	0	0	0	0	0	0	0	0	0	1.330334	1.035907	0	0	NA	0.91121	NA	0.375122	NA
ATZG44040	DAPB1	222.325	169.5034	176.4086	127.024	133.8184	137.564	152.0709	170.4646	217.3209	189.9881	184.9164	208.2172	-0.51193	0.002723	-0.07948	0.755986	0.03066	0.951963
ATZG44050	COS1	529.0623	529.9211	525.363	452.8323	493.5381	379.7963	393.0721	302.0892	560.3652	554.6116	565.3919	499.3069						

ATZG44510	ATZG44510	93.92341	69.5856	91.42346	113.8267	135.1433	75.7599	96.04478	92.78453	93.71962	81.56053	54.54369	70.44164	0.337596	0.218259	0.130737	0.696756	-0.29006	0.545084
ATZG44520	COX10	139.7913	194.4828	189.2852	200.8464	192.1155	201.3618	183.1965	236.2769	154.2469	183.2719	214.1838	174.0323	0.040741	0.866909	-0.01242	0.963111	-0.01915	0.970941
ATZG44525	ATZG44525	159.3131	194.4828	184.1346	244.5624	277.5738	252.2007	274.7948	201.7524	241.1328	239.8839	266.0668	217.5404	0.520341	0.002801	0.461693	0.052836	0.421309	0.907269
ATZG44530	PRS5	334.082	330.0855	345.0914	332.407	358.3948	357.8658	397.5187	362.507	388.5459	333.9184	339.2352	314.9156	0.050017	0.755925	0.1848	0.202343	-0.03254	0.920201
ATZG44540	ATGH989	0	0	0	0	0	0	0	0	1.07889	0	0	0	0	NA	0.16673	NA	0	NA
ATZG44550	ATGH9810	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG44560	ATGH9811	0	0	0	0	0	0	0	0	1.07889	0.976246	0	0	0	1.035907	0.348621	NA	0	NA
ATZG44570	ATGH9812	5.94452	5.352738	3.862963	5.773818	6.624673	4.984204	4.446517	0.976246	1.919071	2.660668	5.179533	0.184056	0.805537	-0.51091	0.483644	-0.40595	NA	NA
ATZG44578	ATZG44578	2.377808	0	0	2.886909	3.312336	2.995022	3.557214	2.15778	1.952492	1.919071	1.330334	1.035907	0.790737	0.247284	0.614899	0.409006	0.200395	NA
ATZG44580	ATZG44580	78.46766	80.29107	65.67037	48.66504	64.92179	67.78517	56.91542	35.60337	47.83605	87.31774	59.86503	101.5188	-0.30525	0.310011	-0.629	0.034283	0.156589	0.785334
ATZG44581	ATZG44581	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG44590	DRP1D	3.566712	3.568492	5.150617	0.824831	2.649869	0.996841	1.778607	4.31556	0	5.757214	2.660668	2.071813	-0.81132	0.235175	-0.57541	0.446343	-0.11264	NA
ATZG44600	ATZG44600	39.23383	28.54794	47.64321	40.41673	42.39791	30.90206	53.35821	50.70783	51.74104	32.62421	26.60668	35.22082	-0.02376	0.95262	0.390355	0.237964	-0.28212	0.62574
ATZG44610	RABH1B	720.4758	901.0442	925.8235	1332.102	1309.035	1164.31	989.7948	1095.073	945.9824	960.4952	1161.382	781.0735	0.570777	0.000579	0.247087	0.197332	0.184609	0.550696
ATZG44620	MTACP1	558.7849	533.4896	600.0469	753.0708	1025.499	666.8865	618.9552	461.7649	461.7649	1290.035	787.7787	1290.424	0.501243	0.098436	0.297847	0.384446	0.667481	0.102486
ATZG44630	ATZG44630	9.511232	8.92123	15.45185	7.011065	9.937009	9.968408	1.778607	12.94668	8.786214	10.55489	6.65167	8.287252	-0.29032	0.683779	-0.44595	0.483632	-0.31659	NA
ATZG44640	ATZG44640	487.4506	451.4142	494.4593	330.7573	329.2462	329.9543	375.2861	364.6648	347.5436	554.6116	456.3046	512.7737	-0.53115	1.52E-05	-0.39655	0.002403	0.088397	0.734164
ATZG44650	CHL-CP610	420.872	371.1232	412.0944	540.6768	516.7245	463.531	490.0062	441.266	976.246	448.1031	380.4755	800.7557	0.316011	0.348493	0.627281	0.050935	0.409757	0.419797
ATZG44660	ATZG44660	76.08985	94.56504	69.53333	103.5163	102.14594	110.6493	89.81965	94.94231	54.66978	88.27728	58.53469	62.15439	0.297761	0.31471	0.005073	0.98928	-0.17107	0.767369
ATZG44670	ATZG44670	336.4598	306.8903	387.584	481.289	555.1476	449.5752	350.3856	243.8291	413.9283	275.3867	292.6735	326.3106	0.512856	0.010123	-0.03237	0.909163	-0.20235	0.589491
ATZG44680	CKB4	273.4479	251.5787	298.7358	353.0277	443.8531	389.7647	338.2466	349.5603	350.4723	292.6584	268.7275	274.5152	0.512037	0.000381	0.324694	0.041704	0.017696	0.965712
ATZG44690	ARAC9	9.511232	14.27397	21.89012	14.02213	10.96525	9.274542	10.96525	15.18166	6.47334	13.66744	9.595356	7.982004	-0.3258	0.546679	-0.294891	0.619291	-0.53032	NA
ATZG44700	ATZG44700	7.133424	12.48972	12.87654	6.598649	6.624673	6.977885	11.56095	8.63112	8.786214	5.757214	9.312338	14.50269	-0.5457	0.319505	-0.10641	0.878966	-0.09333	NA
ATZG44710	ATZG44710	369.7491	308.6746	289.7222	299.0013	245.7754	344.9069	291.6915	347.4026	239.1803	326.2421	259.4151	263.1203	-0.12444	0.601976	-0.14032	0.575384	-0.18447	0.625691
ATZG44720	ATZG44720	215.1916	199.8356	191.8605	211.9816	196.0903	200.365	175.1926	192.8313	270.4201	177.5141	183.5861	204.0736	0.004289	0.987247	0.090977	0.173733	-0.10135	0.805437
ATZG44730	ATZG44730	5.94452	7.136984	10.30123	6.186234	5.299738	7.974726	7.114428	11.86779	5.857476	10.55489	14.63367	27.21346	-0.24223	0.705071	0.053925	0.942458	0.360523	NA
ATZG44740	CYCUA1	225.8917	301.5376	301.3111	168.2656	204.0399	145.5388	101.3806	115.4412	123.007	334.8779	415.0642	299.377	-0.65121	0.001006	-1.2452	2.62E-10	0.33817	0.29285
ATZG44750	WRKY12	17.83356	14.27397	19.31482	15.67179	16.56168	12.95893	10.67164	9.710009	5.857476	23.98839	17.29434	17.61041	-0.16024	0.754318	-0.83618	0.076652	0.175033	NA
ATZG44755	TPK2	43.98945	55.31163	54.08128	65.16166	55.64725	50.83888	70.25498	95.33895	52.71728	49.89585	51.88302	55.93895	0.182422	0.545852	0.251243	0.423802	0.047312	0.946773
ATZG44760	ATZG44760	361.4268	335.4833	330.9272	372.3616	392.8431	323.9733	397.5187	384.0848	450.0494	412.6003	428.3675	449.5834	0.086956	0.606032	0.256261	0.0957	0.322211	0.113213
ATZG44770	ATZG44770	249.6698	235.5205	212.463	198.3719	186.1533	211.3302	166.2998	203.9102	211.8454	187.1094	147.6671	213.3967	-0.22543	0.253462	-0.25803	0.213237	-0.3332	0.246344
ATZG44780	ATZG44780	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG44790	UC2	22.58917	16.05821	27.04074	33.81808	34.4483	44.85784	30.23632	24.81447	26.35864	7.676285	15.96401	8.287252	0.693944	0.054491	0.265513	0.557043	-0.9588	0.094676
ATZG44798	ATZG44798	7.133424	5.352738	3.862963	4.948987	5.962205	0.996841	4.446517	4.31556	3.904984	3.838143	3.991002	10.35907	-0.26448	0.176825	-0.25222	0.748791	-0.179196	NA
ATZG44800	ATZG44800	0	0	0	0	0	0	1.778607	1.07889	0	0	1.330334	0	0	NA	0	NA	0	NA
ATZG44810	DAD1	0	0	0	0	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
ATZG44820	ATZG44820	131.9683	158.7979	166.1074	239.6134	231.2011	195.3808	184.0858	175.8591	275.3014	173.6759	215.5141	203.0377	0.536195	0.012432	0.46444	0.041824	0.362381	0.29385
ATZG44830	ATZG44830	149.8019	105.2705	124.9025	83.72036	63.59686	79.74726	78.25871	99.25787	63.45599	139.1327	107.7571	112.9138	-0.72403	0.001072	-0.64706	0.008164	-0.08078	0.881338
ATZG44840	ERF413	5.94452	3.568492	2.575309	27.63184	29.81103	30.90206	48.02239	51.78672	91.76712	1.919071	1.330334	5.179533	2.229026	6.51E-07	3.273106	0.01E-14	-0.33959	0.764564
ATZG44850	ATZG44850	67.76752	101.702	69.53333	66.81132	70.884	73.76622	73.81219	76.60119	75.11894	84.43914	83.81104	77.69299	-0.15349	0.560971	-0.05603	0.860316	0.064683	0.905719
ATZG44860	ATZG44860	448.2168	549.5478	529.2523	694.6174	693.0032	550.2561	626.6697	470.396	691.1702	547.8948	650.5333	625.6875	0.334538	0.071927	0.226061	0.272538	0.252296	0.403554
ATZG44870	ATZG44870	731.1759	913.534	761.0037	760.0819	798.9355	695.7949	808.3769	816.7197	888.3839	749.3973	798.2004	780.0376	-0.08587	0.569183	0.067285	0.683461	-0.0431	0.884875
ATZG44880	PCMP-EP9	4.755616	17.84246	2.575309	4.124156	4.637271	3.987363	8.003731	7.55223	4.88123	5.757214	10.64267	9.323159	-0.64023	0.298649	-0.13766	0.859351	0.097745	NA
ATZG44890	CYP70A1	5.94452	5.352738	5.150617	18.97112	17.22415	13.95577	11.56095	6.47334	8.786214	4.797678	7.982004	5.179533	0.528385	0.390982	0.528385	0.390982	0.044385	NA
ATZG44900	FBX5	305.5483	326.517	318.0506	216.1058	168.2667	287.0091	281.1099	257.8457	183.3422	328.6112	275.3791	278.6895	-0.49183	0.026933	-0.38134	0.112478	-0.10101	0.837272
ATZG44910	ATHB-4	10.70014	16.05821	15.45185	21.03319	16.56168	12.95893	10.67164	14.02557	14.64369	9.595356	6.65167	16.5745	0.280653	0.586348	-0.07618	0.904452	-0.26922	NA
ATZG44920	ATZG44920	101.7702	113.2112	115.1099	847.514	966.5398	787.5042	1068.943	1068.101	1565.899	1297.292	1234.55	1407.797	-0.31973	0.074133	0.179297	0.376716	0.267314	0.33416
ATZG44925	ATZG44925	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG44930	ATZG44930	17.83356	10.70548	33.47901	5.361402	6.624673	9.968408	8.893035	9.710009	4.88123	20.15025	21.28534	26.93357	-1.34478	0.002881	-1.19428	0.013337	0.107131	NA
ATZG44940	ERF034	230.6474	265.8527	172.5457	108.5163	86.78321	79.74726	35.57214	49.62894	48.8123	163.1211	121.0604	160.5655	-1.24752	3.25E-09	-2.22428	5.54E-23	-0.58817	0.07143
ATZG44950	HUB1	298.4149	310.4588	276.8457	235.0668	235.8383	266.1565	297.9167	299.9314	250.8953	335.8375	276.7095	312.8438	-0.27935	0.001631	-0.05813	0.782112	0.069079	0.844779
ATZG44970	ATZG44970	281.7702	255.1472	300.0235	401.2804	377.6063</													

ATZG45420	LBD18	2.377808	1.784246	1.287654	0.824831	3.312336	2.990522	0.889303	1.07889	0	0	2.660668	1.035907	0.19826	0.805092	-0.50684	0.495552	-0.26149	NA
ATZG45430	AHL22	0	1.784246	0	0	1.324935	0.996841	0	1.07889	0.976246	0.959536	0	0	0.112517	NA	0.077291	NA	-0.08951	NA
ATZG45434	ATZG45434	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG45440	DHDP52	247.292	185.5616	253.6679	224.3541	200.0651	216.3144	229.4403	269.7225	266.5152	251.3983	226.1568	217.5404	-0.10775	0.589531	0.141693	0.490061	0.008034	0.987481
ATZG45450	ZPR1	128.4016	82.07532	88.84815	160.4299	191.453	145.5388	147.6244	102.4945	152.2944	113.2252	163.6311	114.9856	0.69352	0.060477	0.398807	0.152331	0.350587	0.410006
ATZG45460	ATZG45460	97.49012	80.29107	88.84815	160.4299	166.12075	114.6367	111.6249	107.889	98.60085	70.0661	115.7391	91.15977	0.15521	0.566688	0.23618	0.391386	0.030003	0.962539
ATZG45470	FLA8	1332.761	604.8594	677.3062	196.3098	196.0903	219.305	215.2114	292.3792	277.2539	581.4786	528.1426	55.241	-2.00927	1.9E-17	-1.66512	3.62E-12	-0.62755	0.075056
ATZG45480	AGFR9	19.02246	8.92123	25.75309	41.24156	36.4357	38.87679	31.12562	38.84004	39.04984	21.10978	25.27635	25.89766	0.978699	0.004039	0.875702	0.016052	0.323892	0.641459
ATZG45490	AUR3	10.70014	23.1952	21.89012	33.40566	41.73544	45.85468	35.57214	34.52448	19.52492	32.62421	39.91002	18.64632	1.0109	0.008171	0.624024	0.152331	0.633386	0.317253
ATZG45500	ATZG45500	91.5456	130.25	123.6148	293.9638	245.1129	234.2576	262.3445	197.4369	188.4155	141.5588	167.6221	118.0933	1.02484	5.72E-06	0.884128	0.000158	0.115411	0.834421
ATZG45510	CYP704A2	199.7359	208.7568	175.121	466.0296	485.5885	471.5057	392.1828	340.9292	261.6339	144.8889	155.6491	146.0628	1.265331	5.92E-15	0.758008	1.13E-05	-0.37557	0.184231
ATZG45520	ATZG45520	227.0807	297.9691	292.2975	316.3227	356.4074	274.1312	278.352	224.4091	395.3796	250.4388	260.7455	271.4075	0.212108	0.383485	0.13663	0.619388	-0.05733	0.914481
ATZG45530	ATZG45530	150.9908	174.8561	124.9025	117.126	97.38269	112.643	123.6132	100.3368	155.2231	118.0229	122.3907	143.991	-0.43844	0.407882	-0.23082	0.369301	-0.21334	0.598084
ATZG45540	ATZG45540	1429.063	995.6093	923.2482	562.9473	506.125	729.6874	579.8259	746.5918	473.4793	804.0909	759.6207	756.2118	-0.87233	3.05E-05	-0.86964	4.04E-05	-0.514	0.092865
ATZG45550	CYP76C4	1.188904	0	0	0	1.987402	0.996841	0.889303	1.07889	0	0	0	0	0.235428	NA	0.377975	NA	-0.23292	NA
ATZG45560	CYP76C1	564.7294	633.4073	593.6087	342.3049	318.6468	407.7079	520.2425	532.9716	470.5506	690.8657	667.8277	665.052	-0.74166	4.59E-09	-0.22862	0.121819	0.176837	0.439946
ATZG45570	CYP76C2	2.377808	5.352738	9.01358	72.99756	66.24673	100.6809	110.2736	102.4945	53.69265	5.757214	3.991002	4.143626	3.224845	9.67E-16	3.371766	5.23E-17	-0.20652	0.858201
ATZG45580	CYP76C3	0	1.784246	2.575309	2.886909	2.649869	5.981045	2.66791	3.23667	0.972464	0	0	2.071813	0.737835	0.285854	0.300719	0.713767	-0.3139	NA
ATZG45590	ATZG45590	639.6303	585.2327	521.5	447.8833	467.0394	391.7584	293.4701	343.087	466.6456	445.2245	368.5025	480.6606	-0.40673	0.037001	-0.64769	0.000685	-0.41983	0.132158
ATZG45600	CX8	98.67903	124.8972	99.14938	58.97543	68.23413	47.84836	43.57587	43.1556	56.62227	96.9131	85.14137	88.05205	-0.82689	0.000183	-1.11353	1.54E-06	-0.23246	0.581757
ATZG45610	CX9	3.566712	1.784246	1.287654	0.412416	1.324935	0	0.889303	1.07889	0.976246	1.919071	1.330334	0	-0.72883	0.2795	-0.4865	0.510717	-0.43369	NA
ATZG45620	ATZG45620	668.164	699.4244	624.5124	472.6282	422.6541	544.2751	581.6045	603.0995	497.8855	555.5711	565.3919	564.5691	-0.66552	0.000662	-0.23925	0.120697	-0.23663	0.289901
ATZG45630	ATZG45630	93.92341	69.5856	66.95803	84.95761	88.77061	59.81045	76.4801	75.5223	116.1733	69.08657	82.48071	77.69299	0.024169	0.947318	0.200609	0.537459	-0.0203	0.979097
ATZG45640	SAP18	246.1031	239.089	319.3383	421.9011	460.4148	358.8627	375.2861	367.9015	570.1277	300.3347	194.2288	339.7773	0.601178	0.01302	0.678009	0.005638	0.052281	0.932511
ATZG45650	AGL6	5.94452	7.136984	3.862963	3.71174	1.324935	0	3.57214	0	0.976246	1.427396	11.97301	3.10772	-0.90254	0.127893	-0.97232	0.159496	0.524865	NA
ATZG45660	SOC1	156.8164	1853.832	1700.991	1452.515	1685.317	1299.88	1847.083	1494.263	1700.621	2064.921	2471.761	1836.662	-0.20222	2.5047	-0.02132	0.926175	0.31007	0.202816
ATZG45670	LPEAT7	1231.704	1182.955	1133.136	744.8225	684.9912	794.4821	879.5211	917.0564	603.32	1046.853	1077.571	1010.009	-0.66327	0.202E-05	-0.55471	0.000565	-0.17604	0.547995
ATZG45680	TCP9	9.511232	16.05821	5.150617	42.06639	36.4357	29.90522	19.56468	25.89336	47.83605	6.835821	7.982004	7.251346	1.627954	0.00012	1.406717	0.001564	-0.24988	0.810702
ATZG45685	ATZG45685	0	0	0	0	1.324935	0	0	0	0.976246	0.995936	1.330334	0	0.212427	NA	0.148648	NA	0.344709	NA
ATZG45690	PEX16	99.86793	117.7602	113.3136	139.8089	131.831	132.5798	109.3843	128.3879	108.3633	112.2657	75.82904	111.8779	0.290894	0.17686	0.066463	0.815144	-0.11765	0.792756
ATZG45695	URM1-1	34.47821	28.54794	23.17778	54.85127	62.27192	49.84204	40.90796	35.60337	70.28971	34.54328	38.57969	37.29264	0.885211	0.056063	0.70468	0.042481	0.314951	0.617173
ATZG45700	ATZG45700	286.5259	306.8903	300.0235	279.2053	258.3622	281.1091	319.2559	308.5625	219.6553	287.8607	262.0758	299.377	-0.12246	0.536368	-0.07282	0.748321	-0.06773	0.863358
ATZG45710	RPS27A	71.33424	83.85956	87.5605	171.5649	160.9795	116.6304	70.25498	69.04896	170.843	120.9015	117.0694	89.08796	0.83438	0.009203	0.328598	0.393219	0.398819	0.482582
ATZG45720	ATZG45720	121.2682	107.1602	103.2123	116.3012	107.9822	114.6367	122.7239	135.9401	146.4369	142.0113	122.3907	122.237	-0.0113	0.956234	0.238196	0.274438	0.177948	0.62176
ATZG45730	ATZG45730	253.2365	290.8321	330.9272	296.5268	321.2966	287.0901	299.6953	277.2747	232.3465	336.797	315.2892	329.4183	0.050251	0.806531	-0.10863	0.593914	0.165606	0.574689
ATZG45740	PEX11D	990.357	1179.387	1158.889	1028.152	1122.882	1101.509	1880.877	1803.904	2130.169	1390.367	1362.262	1309.386	-0.03221	0.838642	0.799688	9.31E-13	0.286558	0.094041
ATZG45750	ATZG45750	15.45575	8.92123	11.58889	2.062078	3.312336	2.990522	6.225124	3.23667	3.904984	10.55489	9.312338	5.179533	-1.163699	0.002053	-1.10677	0.504304	-0.44072	NA
ATZG45760	BAP2	2.377808	5.352738	2.575309	10.7228	12.58688	8.971567	8.003731	5.39445	9.67246	0	0	0	1.332682	0.020318	0.896266	0.165255	-1.24588	NA
ATZG45770	CPFT5Y	510.0398	567.3902	481.5827	467.2668	467.7019	397.7395	449.9876	438.0293	551.579	566.126	514.8392	508.6301	-0.21574	0.17217	-0.10983	0.594749	0.031904	0.932481
ATZG45780	ATZG45780	0	0	1.287654	2.474493	2.96125	0.996841	0	1.07889	0	0	2.660668	0	0.542958	0.385856	-0.08501	0.909292	0.14888	NA
ATZG45790	PMM	494.584	496.0204	565.2803	843.8899	993.2435	962.862	831.4988	731.4874	989.9134	450.0222	327.2622	578.0358	0.713079	0.000307	0.69496	0.000555	-0.19101	0.619558
ATZG45800	PLIM2A	11.88904	3.568492	6.438272	4.948987	9.274542	4.984204	8.003731	1.07889	3.904984	8.635821	14.63367	11.39497	-0.18586	0.790399	-0.54351	0.421083	0.466115	NA
ATZG45810	RH6	984.4125	915.3182	861.4408	661.5146	763.1623	768.5642	829.7201	829.6664	703.8734	881.8132	694.4343	798.6839	-0.33077	0.021299	-0.22203	0.16076	-0.21268	0.363972
ATZG45820	DBP	1654.954	185.8623	1849.072	1698.74	1918.505	1438.441	1702.127	1424.135	2609.506	1823.118	1885.083	2068.765	-0.07969	0.672768	0.096939	0.723354	0.106817	0.810994
ATZG45830	DTA2	26.15589	30.33218	45.0679	24.74493	17.22415	22.92734	34.68284	36.68226	34.16861	32.62421	34.58868	24.81876	-0.59476	0.085324	0.049321	0.915678	-0.13955	0.855952
ATZG45840	ATZG45840	2.377808	5.352738	1.287654	0.412416	1.324935	0	0	0	5.757214	2.660668	2.076116	0	-0.93487	0.160448	-1.237	0.056465	0.233369	NA
ATZG45850	AHL9	299.6038	371.1232	300.0235	400.4555	399.4678	438.6099	476.6667	460.686	479.3368	300.3347	290.0128	350.1364	0.352369	0.014388	0.547253	0.0001	-0.03439	0.926068
ATZG45860	ATZG45860	76.08985	51.74313	66.95803	116.3012	130.5061	65.9149	93.37687	58.26006	188.4155	61.41028	66.5167	108.7702	0.612234	0.125756	0.716313	0.079318	0.244083	0.757199
ATZG45870	ATZG45870	40.00423	35.68492	27.04074	22.27044	23.84882	27.91154	20.45398	19.42002	16.59618	39.34096	25.27635	31.0772	-0.46185	0.190231	-0.79426	0.029834	-0.0832	0.920201
ATZG45880	BAM7	155.7464	169.5034	140.3543	135.9847	125.8688	148.5293	133.9955	135.9401	97.6246	137.2136	137.0244	151.2424	-0.17817	0.407155	-0.32991	0.122116		

ATZG46410	CPC	5.94452	7.136984	9.01358	13.60971	7.949607	9.968408	9.782338	9.710009	19.52492	7.676285	9.312338	4.143626	0.426085	0.466128	0.657444	0.258526	-0.07092	NA
ATZG46420	ATZG46420	307.9261	265.8527	297.4482	452.8323	423.9791	511.3793	340.6032	294.537	235.2753	237.0053	300.6555	262.0844	0.653171	0.00012	-0.00413	0.98728	-0.12911	0.721971
ATZG46430	CNGC3	311.4928	388.9656	332.2148	1078.054	1169.917	1126.43	737.2326	740.1185	572.0802	153.5257	199.5501	200.9659	1.686103	5.53E-10	0.977313	2.53E-10	-0.87748	3.59E-06
ATZG46440	CNGC11	606.341	774.3628	655.4161	1107.748	1068.56	1176.272	638.5199	606.3361	478.3605	308.0109	393.7789	385.3572	0.711125	4.06E-06	-0.23281	0.208834	-0.88781	5.97E-07
ATZG46450	CNGC12	792.9999	835.0271	825.3864	1379.53	1274.587	1372.65	765.903	695.884	453.5944	497.8948	679.8007	669.1956	0.700092	0.000084	-0.34837	0.083228	-0.36354	0.197691
ATZG46455	ATZG46455	5.94452	7.136984	9.01358	13.60971	7.949607	9.968408	9.782338	9.710009	19.52492	7.676285	9.312338	4.143626	0.426085	0.466128	0.657444	0.258526	-0.07092	NA
ATZG46460	ATZG46460	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG46470	OXA11	205.6804	187.3458	194.4358	202.0836	241.1381	237.2481	170.7463	198.5157	257.7289	172.7164	183.5861	202.0018	0.19981	0.342812	0.08774	0.728552	-0.07471	0.866496
ATZG46480	GAUT2	1.188904	1.784246	1.287654	0.824831	0.662467	0	1.778607	0	0.976246	3.838143	0	2.071813	-0.4402	0.534019	-0.18707	0.818794	0.265382	NA
ATZG46490	ATZG46490	257.9922	235.5205	251.0926	300.2385	268.9617	219.305	196.5361	238.4347	437.3582	222.6123	171.6131	256.9048	0.081175	0.816845	0.215982	0.514684	-0.18227	0.743519
ATZG46493	ATZG46493	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0	NA	0	NA
ATZG46494	ATL21B	0	0	0	0.824831	0.662467	0.996841	1.778607	0	0	0	0	0	0.4504	NA	0.320562	NA	0	NA
ATZG46495	ATL21A	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG46500	PIAK64	444.6501	478.1779	424.9259	455.3068	448.4903	529.3225	515.796	621.4406	598.4388	401.0859	355.1992	378.1059	0.085761	0.609462	0.362017	0.012027	-0.24024	0.292075
ATZG46505	SDH4	450.5946	347.928	355.3926	283.3295	463.7271	298.0554	394.8507	234.1191	510.5767	314.7277	348.5475	379.1418	-0.13781	0.675599	-0.01767	0.963226	-0.14151	0.806231
ATZG46510	AIB	294.8482	244.4417	212.463	274.6688	240.4756	387.7711	488.2276	461.7649	402.2133	253.3174	256.7545	263.1203	0.24656	0.27118	0.822913	2.91E-05	0.036892	0.946092
ATZG46520	CAS	448.2168	297.9691	309.037	191.3660	210.6646	227.2797	253.4515	230.8824	200.5992	248.5197	287.3521	293.1615	-0.73982	5.63E-05	-0.60904	0.001548	-0.34759	0.241031
ATZG46530	ARF11	187.8468	205.1883	181.5593	92.38109	90.09555	102.9415	116.5201	99.57709	160.2424	190.2378	182.3139	-0.9821	2.44E-09	-0.78352	6.1E-06	-0.1059	0.769636	
ATZG46535	ATZG46535	45.17835	32.11643	34.76667	76.7093	76.18374	43.86099	37.35075	23.73558	73.21845	32.62421	49.22236	39.36445	0.740789	0.052314	0.226473	0.63915	0.081513	0.93307
ATZG46540	ATZG46540	97.49012	130.25	123.6148	211.5692	211.9895	155.5072	137.842	129.4668	220.6316	177.5141	190.2378	125.3447	0.700914	0.006201	0.458067	0.106004	0.469222	0.245146
ATZG46550	ATZG46550	909.5115	1138.349	1004.37	829.3677	778.399	838.3431	824.3843	947.2654	1041.654	1100.391	964.4921	1004.829	-0.31296	0.020713	-0.11373	0.484957	-0.03072	0.927039
ATZG46560	ATZG46560	928.534	843.9484	700.84	459.0185	378.2688	614.0539	594.1653	751.9863	416.857	675.5131	659.8456	632.9389	-0.74583	0.000588	-0.47307	0.051492	-0.31809	0.406722
ATZG46567	ATZG46567	3.566712	3.568492	5.150617	5.361402	7.28714	3.987363	5.335821	1.07889	2.928738	1.919071	5.321336	6.215439	0.323661	0.65157	-0.23601	0.772107	0.062369	NA
ATZG46570	LAC6	10.70014	1.784246	9.01358	3.71174	3.312336	5.981045	6.225124	4.31556	1.952492	7.676285	9.312338	9.323159	-0.62786	0.308614	-0.60178	0.368865	0.174742	NA
ATZG46572	ATZG46572	1.188904	1.784246	2.575309	1.237247	0	1.993682	0	1.07889	0	0	5.321336	0	-0.27106	0.710032	-0.58245	0.388559	-0.05438	NA
ATZG46580	POPX2	108.1903	117.7602	121.0395	202.9085	202.0525	184.4155	260.5659	157.5179	197.2017	156.4043	126.3817	190.6068	0.742252	0.007129	0.803515	0.000316	0.438301	0.210473
ATZG46590	DPFZ.5	228.2696	162.3664	180.8777	264.3584	241.1381	256.1881	276.5734	247.0658	175.7243	183.2713	254.0938	211.3249	0.396739	0.000784	0.276956	0.257484	0.165658	0.696082
ATZG46600	KIC	442.2723	604.8594	579.4445	1432.732	1503.801	1217.143	1186.331	1133.913	2303.941	576.6809	751.6387	530.3841	1.294284	1.22E-07	1.442069	3.05E-09	0.183376	0.725981
ATZG46610	RS31A	96.30122	103.4863	88.84815	117.126	104.6698	109.6525	87.15174	90.62675	90.79183	96.9131	83.81104	80.80071	0.206336	0.347446	-0.09589	0.723588	-0.12791	0.768192
ATZG46620	ATZG46620	91.5456	126.6815	115.8889	249.099	213.9769	308.0238	275.6841	309.6414	362.1873	97.87263	89.13238	103.5907	1.176516	2.34E-09	1.471989	4.54E-14	-0.18085	0.680453
ATZG46630	ATZG46630	189.0357	80.29107	97.86173	32.58083	35.77233	32.89259	29.34701	40.99782	31.23987	107.468	114.4087	80.80071	-1.74107	2.34E-09	-1.74544	6.97E-09	-0.28784	0.622275
ATZG46640	ATZG46640	92.73451	90.99655	103.0123	71.34789	78.83361	72.76938	48.91169	51.78672	59.55101	102.6703	81.15037	73.54936	-0.35507	0.125438	-0.81289	0.000444	-0.14739	0.749335
ATZG46650	CYTB5-C	431.5721	308.6746	394.0222	369.5244	298.7727	294.068	308.5883	236.2769	380.7359	490.3227	526.8123	513.8096	-0.23226	0.288564	-0.28956	0.197332	0.416236	0.153029
ATZG46660	CYP78A6	24.96968	23.1952	23.17778	10.31039	7.949607	8.971567	20.45398	9.710009	4.88123	22.06932	21.28534	20.71813	-1.19241	0.005091	-0.86992	0.060734	-0.13387	0.891689
ATZG46662	ATZG46662	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG46670	ATZG46670	161.6909	171.2876	167.3951	78.35896	80.82101	65.79149	40.90796	30.20892	26.35864	155.5257	178.2648	158.4937	-1.11006	1.22E-09	-2.52761	7.54E-27	-0.02945	0.953899
ATZG46680	ATHB-7	115.3237	99.91778	145.5049	356.3271	370.9817	334.9385	395.74	372.217	474.4556	156.4043	199.5501	155.386	1.510848	2.97E-18	1.731318	1.49E-23	0.468418	0.092225
ATZG46685	MIR166A	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
ATZG46690	SAUR32	154.5575	171.2876	164.8198	158.3676	206.0273	128.5925	197.4254	119.7568	264.5627	233.1672	224.8264	222.7199	0.011733	0.974006	0.238469	0.449602	0.453226	0.269516
ATZG46700	CRK3	72.52314	92.78079	83.69753	101.8666	103.3449	105.6651	123.6132	119.7568	97.6246	76.76285	81.15037	88.05205	0.321072	0.144785	0.453776	0.001458	-0.00596	0.992454
ATZG46710	ROPGAP3	499.3397	567.3902	544.6778	229.7155	245.1129	269.147	232.1082	233.0402	241.1328	392.4501	407.0822	492.0556	-1.10487	1.09E-16	-1.10772	1.11E-17	-0.31156	0.137316
ATZG46720	HIC	21.40027	10.70548	18.02716	10.31039	9.937009	7.974726	14.22886	9.710009	19.52492	10.55489	13.30334	14.50269	-0.72446	0.114919	-0.1992	0.729787	-0.36671	NA
ATZG46730	ATZG46730	23.77808	24.79944	30.9037	21.44561	14.57428	19.93682	18.67537	19.42002	11.71495	25.90746	34.58868	24.86176	-0.4585	0.244201	-0.61272	0.141979	0.07919	0.931292
ATZG46735	ATZG46735	60.6341	71.36984	66.95803	55.6761	64.92179	48.8451	52.86561	65.40848	76.76285	81.15037	61.11849	-0.20663	0.465073	-0.20399	0.508168	0.136575	0.795899	
ATZG46740	GULL05	2.377808	1.784246	9.01358	2.062078	0.662467	1.993682	3.557214	2.15778	2.928738	8.635821	6.65167	1.035907	-0.84418	0.210806	-0.36807	0.645338	0.190541	NA
ATZG46750	GULL02	1.188904	0	0	3.299325	2.649869	3.987363	4.446517	4.67334	0.976246	0	0	0	1.059446	0.103654	1.190939	0.072263	-0.30557	NA
ATZG46760	GULL06	13.07794	7.136984	11.58889	5.361402	6.624673	3.987363	8.893035	6.47334	2.928738	18.23118	17.29434	11.39497	-0.80398	0.130051	-0.64472	0.273446	0.455397	NA
ATZG46770	NAC043	1.188904	0	1.287654	0.824831	0	2.66791	3.23667	1.952492	1.919071	6.65167	6.65167	2.071813	-0.45033	0.534672	0.642791	0.379587	0.860605	NA
ATZG46780	ATZG46780	185.469	132.0342	131.3407	65.16166	64.25933	67.78517	74.70149	87.39009	57.59851	112.2657	151.6581	123.2729	-1.15662	8.73E-08	-1.00539	8.18E-06	-0.22107	0.595911
ATZG46787	ATZG46787	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATZG46790	APRR9	643.197	704.7772	642.5395	247.0369	264.3244	227.2797	113.8308	72.28563	57.59851	622.7386	638.5603	606.0053	-1.39746	1.5E-17	-2.93807	8.13E-62	-0.08894	0.815889
ATZG46800	MTP1	474.3727	483.5307	468.7062	473.4531	429.2788	482.4709	392.1828	491.9738	343.6386									

AT2G47310	AT2G47310	61.82301	55.31163	61.80741	59.38784	62.27192	56.81992	76.4801	73.36452	44.90732	67.16749	43.90102	70.44164	-0.00709	0.985107	0.111146	0.763149	0.027691	0.971473
AT2G47320	CYP21	617.0411	669.0923	697.9087	923.8109	1028.149	811.4284	715	610.6517	933.2912	828.0792	830.1284	797.648	0.470891	0.005643	0.184598	0.359014	0.302279	0.257545
AT2G47330	RH24	334.082	388.9656	332.2148	243.7376	274.2615	315.9985	297.9167	332.2981	217.7029	329.1207	258.0848	249.6535	-0.33542	0.017375	-0.30522	0.167627	-0.32014	0.314709
AT2G47340	AT2G47340	0	0	0	0	0.662467	0	0	1.07889	0	0	0	0	0.098648	NA	0.150881	NA	0	NA
AT2G47350	AT2G47350	108.1903	133.8185	141.642	122.4874	130.5061	145.5388	116.4988	132.7035	142.5319	155.4448	146.3367	150.2064	0.049095	0.840466	0.033102	0.902366	0.238752	0.473107
AT2G47360	AT2G47360	2.377808	1.784246	1.287654	2.062078	1.987402	1.993682	2.66791	1.07889	0.976246	6.835821	2.660668	6.215439	0.021289	0.980216	-0.11566	0.895871	1.041845	NA
AT2G47370	AT2G47370	55.87849	73.15409	42.49259	33.81808	33.78583	27.91514	28.51741	28.05114	24.40615	48.93632	47.89202	51.79533	-0.76346	0.060318	-0.99751	0.000752	0.17291	0.769636
AT2G47380	AT2G47380	93.92341	66.0171	90.1358	106.4032	127.1937	93.70303	89.81965	50.70783	240.1565	112.2657	105.0964	140.8833	0.319964	0.563032	0.502994	0.358666	-0.428993	0.623916
AT2G47390	GEP	1048.613	918.8867	858.8654	959.2786	751.9004	1086.556	1347.295	1574.1	1006.51	1008.472	889.9934	893.9873	-0.01606	0.952138	0.462641	0.021138	-0.01711	0.975777
AT2G47400	CP12	3295.642	3554.218	3241.026	3470.065	3300.412	2556.897	2579.869	2610.914	6922.56	3420.745	3897.879	3459.928	-0.10137	0.840551	0.236046	0.631457	0.085113	0.930699
AT2G47410	AT2G47410	539.7624	544.195	518.9247	317.9724	302.0851	441.6005	433.0908	505.9994	265.5389	528.7041	516.1696	465.122	-0.39895	0.010123	-0.39895	0.103685	-0.08306	0.873405
AT2G47420	AT2G47420	343.5932	392.5341	319.3383	319.2097	290.8231	300.0491	295.2488	274.038	347.5436	293.1979	296.6645	305.5924	-0.2026	0.206001	-0.19348	0.260165	-0.22717	0.360375
AT2G47430	CK11	1.188904	0	0	0.412416	0.662467	0.996841	0.889303	2.15778	0	0.916071	0	0	0.093366	NA	0.262627	NA	0.113049	NA
AT2G47440	AT2G47440	1087.847	986.6881	784.1815	453.2447	469.6893	489.4488	324.5958	541.6027	583.7951	711.0159	645.212	614.2926	-0.9892	6.26E-07	-0.95279	2.16E-06	-0.52127	0.070873
AT2G47450	CAO	3099.473	3825.423	2986.07	1961.036	1693.929	1719.55	937.3259	1242.881	1822.651	2786.491	2290.835	2542.115	-0.85669	3.49E-05	-1.26826	3.09E-10	-0.36736	0.276625
AT2G47460	MYB12	9.511232	7.136984	5.150617	4.536571	3.974804	0	1.778607	1.07889	0.976246	2.878607	3.991002	4.143626	-0.81979	0.206693	-1.43191	0.025802	-0.67829	NA
AT2G47470	PDIL2	1205.549	1265.03	1269.627	4311.805	3915.182	3973.407	2644.789	2781.378	2876.997	1302.09	1206.613	1189.221	1.696346	4.31E-81	1.143635	1.06E-36	-0.01512	0.956388
AT2G47480	AT2G47480	4.755616	3.568492	0	2.062078	0	4.637271	3.987363	1.778607	1.07889	7.809968	1.919071	2.660668	0.193558	0.810551	0.208449	0.808584	-0.27857	NA
AT2G47485	AT2G47485	8.323228	8.92123	9.01358	9.485558	12.58688	15.94945	8.003731	4.31556	8.786214	13.4335	18.62468	10.35907	0.410144	0.454591	-0.24216	0.714062	0.557866	NA
AT2G47490	NDT1	235.403	190.9143	204.737	216.9306	186.1533	196.3776	95.15547	87.39009	110.3158	213.9764	244.7815	216.5045	-0.07424	0.725225	-1.08755	2.24E-10	0.085766	0.819045
AT2G47500	AT2G47500	734.5047	248.0102	279.421	150.9441	133.1083	305.555	149.403	178.0168	106.4108	360.7854	328.5925	305.5924	-0.86853	0.000111	-1.02411	6.53E-06	0.132683	0.784151
AT2G47510	FUM1	842.9329	826.1059	788.0445	929.1731	1003.638	1059.642	1068.053	1146.86	1062.156	865.5011	887.3328	791.4326	-0.279381	0.012867	0.411766	0.000186	0.048978	0.850053
AT2G47520	ERF071	0	1.784246	0	0.824831	3.974804	0.996841	0	1.07889	2.928738	0	1.330334	1.035907	0.579114	0.384032	0.328765	0.656784	0.088181	NA
AT2G47530	AT2G47530	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G47540	AT2G47540	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	0.160764	NA	0	NA
AT2G47550	PME20	2.377808	1.784246	1.287654	4.124156	3.312336	4.984204	12.45025	3.23667	4.88123	0.959536	0	1.035907	0.643711	0.353761	1.182562	0.074522	-0.47743	NA
AT2G47560	ATL64	13.07794	3.568492	3.862963	3.299325	7.28714	1.993682	3.557214	4.31556	1.952492	7.67285	2.660668	4.143626	-0.49505	0.469448	-0.72503	0.295311	-0.34824	NA
AT2G47570	AT2G47570	0	0	1.287654	0.412416	0.662467	0	0	0	0	0	0	0	-0.00061	NA	-0.23664	NA	-0.23005	NA
AT2G47580	U1A	241.3475	248.0102	269.1198	348.4912	425.9665	325.9669	313.0348	302.0892	441.2632	301.2942	271.3881	325.2747	0.52526	0.005684	0.466233	0.01937	0.238856	0.481582
AT2G47585	MIR164A	0	0	0	0	0	0	0.889303	0	0	0	1.330334	0	0	NA	0.141773	NA	0.183636	NA
AT2G47590	PHR2	1351.784	1168.681	1079.054	709.7672	598.2079	678.8486	657.1953	803.773	951.8398	1188.865	1293.085	1032.799	-0.84149	1.81E-07	-0.56741	0.000813	-0.03496	0.935197
AT2G47600	MHX	344.7821	437.1403	405.6111	283.3295	255.0499	293.0712	335.2674	381.927	235.2753	380.9356	372.4935	335.6337	-0.49996	0.000803	-0.30832	0.140809	-0.11854	0.763186
AT2G47610	RPL7AA	1568.164	1614.743	1501.405	1704.514	1758.188	1610.895	1245.914	1325.956	1908.561	1277.142	1008.393	1739.646	0.112	0.663451	-0.06219	0.830884	-0.20788	0.594131
AT2G47620	SW13A	141.4796	117.7602	150.5877	138.5716	141.1055	164.4787	137.842	152.1235	138.6269	150.6471	115.7391	133.6319	0.262968	0.206871	0.219832	0.339697	-0.13174	0.746451
AT2G47630	AT2G47630	117.7015	185.5616	160.9568	179.8132	166.2793	167.4693	107.6057	133.7824	81.02842	200.5429	118.3997	156.4219	0.151795	0.606285	-0.49706	0.066027	0.049773	0.937332
AT2G47640	AT2G47640	145.0643	108.839	169.9704	324.1586	382.2436	261.1273	187.643	141.3346	374.8785	148.728	171.6131	168.8528	1.113422	0.000156	0.679398	0.034639	0.185319	0.773406
AT2G47650	UX54	319.8152	330.0835	325.7765	444.9964	409.4048	445.5878	447.0833	491.9738	443.2157	303.2133	251.4331	302.4847	0.409893	0.002807	0.646511	0.000855	-0.17809	0.48264
AT2G47660	AT2G47660	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	0	0	NA	0	NA
AT2G47670	AT2G47670	1.188904	3.568492	2.575309	1.649662	2.649869	1.993682	2.66791	3.23667	3.904984	3.838143	7.982004	3.10772	-0.14826	0.856714	0.263353	0.749876	0.64064	NA
AT2G47680	AT2G47680	89.1678	67.80135	70.82099	74.64722	67.57166	92.70619	73.81219	66.89118	43.93107	53.734	65.18636	44.54398	0.024657	0.946313	-0.29543	0.352666	-0.47267	0.277049
AT2G47690	AT2G47690	380.4493	326.517	408.1864	511.3953	572.3717	500.4114	316.592	283.7481	607.225	436.5887	513.5089	413.3267	0.484208	0.060301	1.082482	0.745072	0.274795	0.541828
AT2G47700	RFI2	505.2842	533.4896	459.6926	323.3338	320.6342	391.7584	378.8433	455.2916	347.5436	461.5366	484.2416	409.1831	-0.52817	0.00062	-0.33661	0.04571	-0.14216	0.635079
AT2G47710	AT2G47710	594.452	729.7566	695.3333	858.2368	794.9607	623.0255	710.5535	747.6707	1016.272	803.1313	850.0834	655.7288	0.172827	0.43241	0.287706	0.179791	0.189419	0.594257
AT2G47720	AT2G47720	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G47730	G5TF8	1125.892	1206.15	1075.191	1248.794	1291.811	1107.49	1107.183	1224.54	1699.644	856.8653	976.4651	884.6642	0.098403	0.630578	0.238889	0.211582	-0.31999	0.218983
AT2G47740	AT2G47740	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT2G47750	GH3.9	148.613	149.8767	145.5049	61.86234	43.72284	47.84836	31.12562	24.81447	16.59618	152.5662	155.6491	141.9192	-1.46158	1.02E-12	-2.47731	1.38E-25	0.02108	0.971473
AT2G47760	ALG3	190.2246	260.4999	251.0926	256.1101	306.0599	310.0175	258.7873	268.6436	224.5366	203.4216	204.8714	170.9246	0.30987	0.095616	0.104649	0.651829	-0.26513	0.386949
AT2G47770	TPO	1.188904	0	0	2.886909	1.987402	6.977885	6.225124	1.07889	6.977885	0.995936	1.330334	0	1.087746	0.096019	1.351351	0.039567	0.07021	NA
AT2G47780	AT2G47780	20.21137	21.41095	20.60247	5.361402	3.312336	3.987363	4.446517	5.39445	5.874746	31.66468	19.95501	13.46678	-1.8564	4.18E-05	-1.62145	0.000733	0.083649	NA
AT2G47790	AT2G47790	155.7464	178.4246	168.6827	173.2145	181.516	143.5451	184.0858	168.3068	172.7955	156.4043	150.3277	160.5655	0.003149	0.898928	0.068792	0.765004	-0.0963	0.794965
AT2G47800	ABCC4	187.8468	101.702	104.3	223.1168	196.0903	237.2481	257.0087	381.927	242.109	93.07496	86.47171	81.83662						

AT3G01142	AT3G01142	10.70014	7.136984	10.30123	6.598649	3.974804	7.974726	6.225124	7.55223	5.857476	9.595356	5.321336	7.251346	-0.5118	0.374671	-0.42828	0.502628	-0.26756	NA
AT3G01150	PTB	297.226	299.7533	302.5988	284.9792	282.8735	310.0175	321.0386	283.7481	258.7052	274.4272	260.7455	273.4793	-0.03862	0.833614	-0.05642	0.771151	-0.14998	0.573168
AT3G01160	AT3G01160	296.0371	233.7362	225.3395	220.2299	272.24	238.2449	210.6633	223.0402	227.6403	234.1267	214.1838	221.6684	-0.0545	0.788325	-0.17352	0.388176	-0.17298	0.581939
AT3G01170	AT3G01170	193.7913	256.9314	234.3531	311.7862	355.7449	343.9101	419.7512	403.5048	348.5198	196.7048	296.6645	197.8581	0.552857	0.004	0.762311	5.44E-05	0.010054	0.986597
AT3G01175	AT3G01175	0	1.784246	0	13.1973	7.949607	22.92734	45.35448	51.78672	25.3824	0.995936	2.660668	0	2.353083	1.62E-05	3.692491	1.71E-12	0.104801	0
AT3G01180	SS2	578.9962	380.0444	0.124094	251.5735	237.8258	273.1344	261.4552	298.8525	211.8454	480.7273	494.8842	422.6499	-0.83347	0.08E-06	-0.81245	5.3E-05	0.022123	0.965702
AT3G01185	AT3G01185	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G01190	PER27	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT3G01200	RP2	34.47821	33.90067	27.04074	47.42779	58.95959	53.8294	48.91169	35.60337	63.45599	17.27164	27.93701	23.82585	0.700561	0.026994	0.599507	0.081212	-0.44136	0.458434
AT3G01202	AT3G01202	1.188904	1.784246	2.575309	2.062078	1.324935	1.993682	2.66791	1.07889	0.976246	0.195596	0	0	0.027462	0.974551	-0.07364	0.933598	-0.67727	NA
AT3G01210	AT3G01210	148.613	158.7979	175.121	120.4253	109.9696	120.6177	96.93408	124.0723	130.817	165.9997	192.8984	137.7756	-0.44759	0.020497	-0.44708	0.034887	0.035408	0.945973
AT3G01220	ATHB-20	3.566712	3.568492	9.01358	3.299325	2.649869	3.987363	3.557214	3.23667	7.809968	7.676285	7.982004	6.215439	-0.52924	0.421913	-0.11507	0.887897	0.310994	NA
AT3G01230	AT3G01230	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT3G01240	AT3G01240	0	5.352738	0	0	0	0	0	0	0	0	0	1.035907	-0.65802	NA	-0.626	NA	-0.44134	NA
AT3G01250	AT3G01250	1.188904	1.784246	0	0	0	0	0	0	0	0	0	0	-0.49674	NA	-0.47297	NA	-0.46632	NA
AT3G01260	AT3G01260	0	0	0	1.324935	0	0	0	0	0	0	1.330334	0	0.198245	NA	0	NA	0.170125	NA
AT3G01270	AT3G01270	0	8.92123	0	0	0.996841	0	0	0	0	0	0	2.071813	-0.24029	0.502207	-0.27522	0.453298	-0.19844	NA
AT3G01280	VDA C1	1092.603	1134.78	1211.683	1466.962	1571.372	1394.58	1148.98	1229.935	1820.699	1061.246	908.6181	1081.486	0.359069	0.051152	0.282237	0.15476	-0.16815	0.615423
AT3G01290	H1R3	463.6725	772.5785	558.842	3307.573	3284.513	4010.29	3370.46	3693.04	3986.012	251.3983	343.2262	343.921	2.503407	6.2E-45	2.561821	4.16E-47	-0.90505	6.48E-05
AT3G01300	AT3G01300	129.5905	110.6233	124.9025	103.1039	87.44568	74.76306	82.70522	92.78453	103.4821	103.6298	87.80204	120.1652	-0.43431	0.047609	-0.38433	0.106753	-0.22106	0.582115
AT3G01310	AT3G01310	1580.053	1527.315	1362.338	1070.218	997.6757	1267.981	1863.98	1972.211	1274.001	1208.055	1423.457	1372.576	-0.41446	0.023564	0.189235	0.372928	-0.15576	0.651245
AT3G01311	AT3G01311	0	1.287654	0.824831	1.324935	0	0	0	0	0	0	0	0	0.189063	NA	-0.23856	NA	-0.2295	NA
AT3G01313	AT3G01313	0	0	0.412416	1.324935	1.993682	0.889303	0	0.976246	0	1.330334	0	0	0.627244	NA	0.32974	NA	0.195026	NA
AT3G01316	AT3G01316	0	0	1.287654	0.824831	0.662467	0.996841	1.778607	0	0.995936	0	1.035907	0	0.190861	NA	0.077885	NA	0.11754	NA
AT3G01319	AT3G01319	3.566712	0	2.575309	0.412416	0.662467	3.987363	1.778607	1.07889	0.976246	0.1919071	1.330334	2.071813	-0.325104	0.741069	-0.37837	0.686411	-0.12481	NA
AT3G01320	SNL1	558.7849	520.9998	500.8975	360.0388	392.1806	440.6036	510.4602	564.2594	311.4225	416.4385	425.7069	516.9174	-0.39782	0.066749	-0.18493	0.465705	-0.21161	0.584143
AT3G01322	AT3G01322	0	0	0	0.662467	0	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT3G01323	AT3G01323	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G01324	AT3G01324	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G01325	AT3G01325	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT3G01326	AT3G01326	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G01327	AT3G01327	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G01328	AT3G01328	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G01329	AT3G01329	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G01330	E2FF	24.96698	24.97944	28.3284	28.45667	27.16116	23.92418	27.56841	24.81447	27.33489	24.94793	25.27635	34.18492	0.032376	0.943467	0.023423	0.961588	0.101566	0.899616
AT3G01331	AT3G01331	0	0	0	0.662467	0	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT3G01340	SEC13A	546.8958	592.3697	554.979	628.5213	584.2961	575.1771	473.9988	518.9461	683.3722	552.6925	618.6053	544.8868	0.079541	0.679847	-0.01397	0.950674	0.018255	0.965702
AT3G01345	AT3G01345	2.377808	0	1.287654	8.660727	8.612075	0	3.57214	14.02557	3.904984	0.995936	0	1.035907	1.045733	0.113821	1.174652	0.082298	-0.26182	NA
AT3G01350	NPF5-9	15.45575	10.70548	9.01358	8.248311	9.01358	6.24673	9.968408	8.003731	9.710009	8.57476	24.94793	7.982004	-0.44036	0.429209	-0.47837	0.424089	0.413496	NA
AT3G01360	AT3G01360	86.78999	87.5605	98.15491	131.831	100.6809	108.495	96.0212	88.83839	60.45074	115.7391	100.4829	0	0.256168	0.365486	0.091563	0.793652	-0.00345	0.996198
AT3G01370	ATCFM2	1272.127	1172.25	1108.67	678.4236	689.6284	775.544	985.3483	1023.867	783.9255	1337.593	1501.947	1251.375	-0.72196	1.34E-07	-0.72196	0.023007	0.19946	0.410374
AT3G01380	AT3G01380	223.5139	224.815	213.7506	147.2324	180.1911	186.4092	160.0746	183.4113	128.8645	229.329	207.5321	223.7558	-0.36783	0.044753	-0.47804	0.011025	0.000294	0.99927
AT3G01390	VHA-G1	941.6119	961.7086	1117.684	1367.982	1583.959	1175.275	1156.984	1011.999	2228.77	1372.136	2127.204	1545.573	0.428632	0.131177	0.092874	0.678588	-0.35569	0.235234
AT3G01400	AT3G01400	135.535	153.4452	112.0259	149.7069	137.7932	135.5703	130.7276	118.6779	128.8645	108.4275	98.44471	101.5188	0.092874	0.678588	-0.05698	0.784758	-0.35569	0.235234
AT3G01410	AT3G01410	34.47821	48.17464	37.34198	41.65397	50.34751	46.85152	25.7798	36.68226	32.21612	39.34096	42.57069	34.18492	0.21467	0.520365	-0.3089	0.391843	-0.02998	0.971473
AT3G01420	DOX1	3.566712	1.784246	55.36914	238.7886	226.5638	337.929	135.1741	99.25787	59.55101	0	1.330334	2.071813	0.213694	0.000617	1.16025	0.887473	-0.85387	0.421683
AT3G01430	AT3G01430	16.64466	16.05821	28.3284	44.54088	32.4609	35.88627	27.56841	37.76115	63.45599	34.54328	11.97301	29.00538	0.774416	0.06415	0.934223	0.028014	0.272181	0.751022
AT3G01435	MED11	80.84547	78.50683	87.5605	105.9908	120.569	87.72199	90.70896	58.26006	125.9357	87.31774	115.7391	79.7648	0.334358	0.267187	1.48041	0.681303	0.175628	0.762813
AT3G01440	PNSL3	97.49012	110.6233	96.57408	51.55195	65.58426	52.83256	206.3184	201.7524	328.0187	118.0229	117.0694	147.0987	-0.80386	0.001156	1.234729	5.56E-08	0.32067	0.45099
AT3G01450	AT3G01450	97.49012	96.34929	127.4778	81.65828	74.19633	70.7757	75.5908	78.75897	70.28971	99.79171	107.7571	92.19568	-0.48426	0.021667	-0.50729	0.024020	-0.10649	0.817807
AT3G01460	MBD9	455.3502	374.6117	319.2	156.7179	147.0677	204.3524	207.2077	266.4858	140.5794	261.9532	280.7005	305.5924	-1.13512	3.57E-07	-0.86627	0.000186	-0.41606	0.255022
AT3G01470	HAT5	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G01472	CPuORF33	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G01480	CYP38	2696.434	2849.441	2794.21	1350.249	1262.663	1367.666	1738.588	1847.06	1882.202	2907.393	2929.395	2872.569	-1.06156	7.92E-40	-0.60576	1.99E-13	0.062752	0.721971
AT3G01490	AT3G01490	450.5946	558.469	515.0617	353.4401	391.5182	344.9069	276.5734	280.5114	425.6433	375.1784	441.6709	396.7522	-0.4696	0.012219	-0.61583	0.001024	-0.3203	0.278963
AT3G01500	BCA1	14580.72	13119.56	12298.39	3548.836	3175.868	3038.371	8374.571	9352.897	605.9189	12349.22	11583.22	12960.14	-0.21547	7.01E-80	-0.54437	1.47E-06	-0.1179	0.588611
AT3G01510	LSF1	231.8363	174.8561	164.8198</															

AT3G01960	AT3G01960	13.07794	7.136984	3.862963	8.248311	7.28714	6.977885	4.446517	5.39445	6.833722	6.716749	11.97301	15.5386	-0.08428	0.904232	-0.42076	0.524964	0.383178	NA
AT3G01961	AT3G01961	0	0	0	0	0	0	0	0	0	0	0	0	0.064603	NA	0.150774	NA	0.218881	0.764095
AT3G01970	WRKY45	9.511232	17.84246	24.46543	93.61824	78.83361	92.70619	130.7276	145.6501	158.1519	22.06932	21.28534	18.64632	2.197332	1.02E-14	2.887861	4.56E-25	0.218881	0.764095
AT3G01980	AT3G01980	234.2141	198.0513	180.2716	199.6091	183.5034	163.4819	149.403	169.3857	157.1756	211.0978	244.7815	219.6122	-0.15529	0.428058	-0.36241	0.053603	0.131245	0.700921
AT3G01990	ACR6	16.64466	23.1952	18.02716	13.1973	13.91181	20.93366	20.45398	20.49891	19.52492	14.39303	18.62468	13.46678	-0.26281	0.567565	-0.080595	0.884111	-0.27278	0.742107
AT3G02000	GRXC7	1.188904	7.136984	3.862963	5.361402	7.28714	4.984204	2.778607	2.15778	6.833722	2.878607	2.660668	4.143626	-0.447925	0.519931	-0.06097	0.943732	-0.14324	NA
AT3G02010	PCMP-H36	16.64466	23.1952	25.75309	31.34358	25.17376	16.94629	20.01119	40.99782	25.3824	19.19071	14.63367	19.68222	0.192266	0.679362	0.418553	0.351528	-0.24022	0.774553
AT3G02020	AK3	2054.426	1391.712	1621.157	992.7179	849.9455	975.9071	969.3408	1069.18	748.7807	257.7313	2415.886	1988.941	-0.82484	4.19E-06	-0.84406	3.24E-06	0.450711	0.085758
AT3G02030	AT3G02030	34.47821	23.1952	29.61605	22.27044	21.19895	26.9147	33.79353	29.13003	6.833722	48.93632	42.57069	43.50807	-0.30396	0.507232	-0.29839	0.54619	0.557473	0.388952
AT3G02040	GDDP1	32.10041	30.33218	38.62963	37.7468	113.9444	161.4882	92.48756	111.1257	81.02842	28.78067	31.92802	32.1131	1.924942	6.76E-15	1.403374	7.17E-08	-0.13145	0.849794
AT3G02050	POT4	458.9169	399.6711	408.1864	281.6798	240.4756	333.9417	330.8209	388.4004	229.4178	380.9356	312.6285	323.2028	-0.55519	0.066877	-0.40826	0.06522	-0.30811	0.364823
AT3G02060	AT3G02060	414.9275	376.4759	391.4469	296.5268	285.5234	331.948	426.8657	421.846	309.47	379.0166	367.1722	395.7163	-0.37215	0.02091	-0.03193	0.887113	-0.05121	0.891692
AT3G02065	RH41	126.0238	153.4452	162.2444	149.2944	149.7176	108.6556	120.056	126.2301	104.4583	160.2424	130.3727	120.1652	-0.09514	0.714589	-0.31958	0.182417	-0.09394	0.846712
AT3G02070	AT3G02070	92.73451	74.93833	81.12222	167.0283	147.0677	154.5103	170.7463	160.7546	113.2445	59.49121	97.11438	71.47755	0.875695	0.000112	0.799543	0.000693	-0.1449	0.782808
AT3G02080	RPS19A	1172.259	1199.013	1277.353	1676.057	1593.896	1427.476	1198.781	1200.805	1938.825	1166.795	800.8611	1416.084	0.352679	0.105602	0.241325	0.368558	-0.10394	0.838892
AT3G02090	MPPBETA	2075.826	1941.26	1926.331	1741.631	1591.909	1744.471	1506.48	1702.488	1547.35	1689.742	1756.041	1701.994	-0.22628	0.027049	-0.32057	0.001542	-0.20697	0.169389
AT3G02100	UGT83A1	0	0	0	0	0	0	0	0	0	0.976246	0	0.1035907	0	NA	0.14724	NA	0.156349	NA
AT3G02110	SCLP25	288.9037	297.9691	278.1333	221.4672	180.8536	220.3018	173.4142	215.778	179.6293	353.1091	309.9678	273.4793	-0.46423	0.005887	-0.59452	0.000525	0.11564	0.737047
AT3G02120	AT3G02120	41.61164	33.90067	59.2321	104.3411	123.8814	75.7599	65.80846	44.23449	104.4583	89.23681	67.84703	66.29802	1.081579	0.00069	0.604913	0.093318	0.660137	0.186769
AT3G02125	AT3G02125	3.566712	0	0	1.237247	0.662467	0.996841	0.889303	0	0.976246	1.919071	1.330334	2.071813	-0.1493	0.849649	-0.3129	0.681923	0.198114	NA
AT3G02130	RPK2	21.07101	272.9862	216.3259	157.1303	138.4557	175.444	189.2146	240.5925	141.5557	209.1788	195.5591	183.3555	-0.6737	0.000962	-0.40047	0.075412	-0.35739	0.821218
AT3G02140	AFP4	15.45755	7.136984	3.862963	15.230769	16.56168	36.88311	24.9005	18.34113	34.16681	10.55489	10.64267	9.323159	0.860728	0.002614	0.898789	0.054535	-0.26187	0.790575
AT3G02150	TCP13	97.49012	162.3664	131.3407	304.7751	252.4	294.068	224.9938	196.358	120.0783	134.335	113.0784	126.3806	1.091461	3.35E-06	0.46187	0.088304	-0.04826	0.941716
AT3G02160	AT3G02160	41.61164	44.2129	36.05432	37.94223	36.4357	43.86099	40.90796	37.76115	41.00233	33.58375	21.28534	22.78994	-0.02892	0.940708	-0.00111	0.998299	-0.56687	0.245429
AT3G02170	LN2	1119.948	1182.277	897.4951	715.1286	678.3665	847.3147	686.5423	903.0309	580.8664	376.0565	878.0204	815.25894	-0.48849	0.0069	-0.53263	0.003693	-0.29358	0.311054
AT3G02180	SP13	164.0687	215.8938	206.0247	306.4248	304.7349	205.3492	213.4328	182.3324	375.5447	243.722	224.8264	303.5206	0.462794	0.103344	0.380988	0.214198	0.492401	0.401914
AT3G02190	RPL39B	49.93397	53.52738	50.21852	200.434	166.9418	98.68724	72.92289	84.15342	156.1994	74.84378	87.80204	62.15439	1.495841	1.51E-06	0.469229	0.004839	0.387081	0.368268
AT3G02200	AT3G02200	1062.88	1049.137	1091.931	953.5048	1054.648	1101.509	1154.316	988.2632	98.7214	1007.512	951.1888	976.8599	-0.04542	0.767979	-0.05561	0.731039	-0.12482	0.580478
AT3G02210	COB11	47.55616	41.03766	39.91728	64.74925	51.00998	51.83572	49.00978	40.99782	38.07359	47.97678	49.22236	44.54398	0.37589	0.19415	0.000969	0.998157	0.125028	0.845772
AT3G02220	AT3G02220	294.8482	314.0273	370.8445	468.9165	497.5129	410.6984	391.2935	329.0614	490.0755	297.456	375.1542	341.8492	0.482183	0.009129	0.298499	0.1478	0.045521	0.921904
AT3G02230	RGP1	511.2287	401.4554	410.7617	440.8722	474.989	445.5878	342.3818	392.7159	338.7574	356.9473	352.5385	345.9928	0.035207	0.847794	-0.30428	0.046306	-0.32716	0.11624
AT3G02240	RGF7	0	0	1.287654	1.649622	0	2.990522	0.889303	2.15778	0.976246	0	0	0	0.485723	0.4549399	0.389619	0.564581	-0.2717	NA
AT3G02242	AT3G02242	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G02250	AT3G02250	479.1283	499.5889	508.6235	326.2207	312.0221	340.9195	278.352	321.5092	219.6553	463.4557	413.7339	536.5996	-0.59351	0.000199	-0.84545	1.11E-07	-0.06907	0.853811
AT3G02260	BIG	2314.796	1438.102	1103.52	533.2533	557.7974	659.9086	735.454	988.2632	731.2082	1021.905	1084.222	1032.799	-1.41992	1.4E-10	-0.94962	3.64E-05	-0.60781	0.058335
AT3G02270	AT3G02270	0	1.287654	1.649622	0.662467	0	0.889303	0	0	0	0	0	0	0.218902	NA	-0.06873	NA	-0.23341	NA
AT3G02280	ATR3	99.86793	117.7602	99.14938	106.8156	85.45828	128.5925	134.2848	110.0468	85.90965	68.12703	75.82904	76.65708	0.016696	0.95922	0.068356	0.835055	-0.49584	0.179491
AT3G02290	AT3G02290	128.4016	144.5239	155.8062	117.9509	158.9921	124.6051	104.9378	94.94231	147.4131	138.7131	138.3547	132.5976	-0.09112	0.736213	-0.29119	0.245845	-0.06385	0.902607
AT3G02300	AT3G02300	414.9275	390.7499	373.4198	406.6418	358.3948	398.7363	447.3197	415.3726	341.6861	363.664	331.2532	457.8706	-0.01884	0.93533	-0.02951	0.899772	-0.02992	0.946773
AT3G02310	SEP2	42.80054	46.3904	21.89012	15.25938	12.58688	4.984204	17.78607	19.42002	11.71495	64.28889	57.20436	37.29264	-1.46827	0.000145	-1.0359	0.01225	0.490185	0.449379
AT3G02315	AT3G02315	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G02320	AT3G02320	161.6909	167.7191	157.0938	183.9373	166.2793	161.4882	160.0746	171.5435	120.0783	154.4852	170.2827	131.5601	0.079268	0.738538	-0.10374	0.677123	-0.09272	0.83156
AT3G02330	PCMP-E90	17.83356	14.27397	19.31482	16.49662	16.56168	22.92734	23.12189	26.97225	21.47741	21.10978	14.63367	17.61041	0.060816	0.905552	0.411067	0.363605	0.044075	0.967712
AT3G02335	AT3G02335	0	0	0	0.662467	0	0	0	0	0	0	0	0	0.128567	NA	0.03660	0	0	NA
AT3G02340	AT3G02340	133.1572	117.7602	139.0667	121.2502	106.6572	133.5767	107.6057	148.8868	154.2629	87.31774	66.5167	104.6266	-0.11547	0.669056	0.06437	0.833998	-0.56729	0.076473
AT3G02350	GAU79	718.098	738.6779	637.3889	527.0671	516.7245	639.9718	544.2537	537.2872	525.2203	621.7791	679.8007	561.4616	-0.31412	0.026199	-0.37579	0.008927	-0.16692	0.500570
AT3G02360	AT3G02360	747.8206	702.9929	690.1827	753.4833	684.9912	754.6085	667.8669	783.2741	836.6428	631.3744	595.9896	624.6516	0.033353	0.839498	0.092923	0.555143	-0.20687	0.314709
AT3G02370	AT3G02370	41.61164	41.03766	24.46543	21.03319	18.54908	25.91786	36.4414	45.31338	16.59618	26.867	31.92802	51.79533	-0.64255	0.115428	-0.10671	0.841726	0.050938	0.960974
AT3G02380	COL2	480.3172	601.2909	512.4864	162.9042	160.9795	151.5198	121.8646	121.9146	64.43224	19.7678	465.6169	420.5781	-1.69558	1.5E-20	-2.29978	6.1E-34	-0.21429	0.543164
AT3G02390	AT3G02390	36.85602	12.48972	14.1642	30.10634	52.99738	41.86731	54.24751	31.28781	55.64022	35.50282	31.92802	33.14901	-0.18505	0.038392	0.990136	0.01302	0.541509	0.417269
AT3G02400	AT3G02400	112.9459	90.99655	66.95803	77.12171	84.13334	7												

AT3G02875	ILR1	68.95643	71.36984	70.82099	99.39215	96.72022	101.6778	105.8271	87.39009	83.95716	76.76285	71.83803	73.54936	0.481848	0.024953	0.385498	0.105196	0.07396	0.888347
AT3G02880	AT3G02880	305.5483	265.8527	233.0654	199.6091	202.0525	239.2414	193.8642	212.5413	209.8929	221.6527	206.2018	207.1813	-0.33304	0.044161	-0.38097	0.027232	-0.33567	0.175601
AT3G02885	GASAs	10.70014	1.784246	16.73951	29.28151	33.78583	20.93366	24.01119	19.42002	37.09735	18.23118	27.93701	18.64632	1.230885	0.004165	1.159348	0.010028	0.86065	0.205441
AT3G02890	AT3G02890	216.3805	198.0513	202.1617	117.5384	122.5564	128.5925	167.1891	153.2024	152.2944	207.2597	204.8714	200.9659	-0.74112	6.65E-07	-0.37887	0.022127	-0.01102	0.981084
AT3G02900	AT3G02900	259.1811	280.1266	320.6259	348.0787	335.8709	331.948	257.0087	264.328	442.2394	343.5138	347.6799	345.9928	0.233466	0.336609	0.15876	0.558008	0.375695	0.274581
AT3G02910	AT3G02910	108.1903	121.3287	97.86173	90.73143	109.3071	112.643	117.3881	140.2557	177.6758	139.1327	139.6851	99.44703	-0.06814	0.819595	0.402271	0.105005	0.204653	0.643032
AT3G02920	RPAB2	58.25629	67.80135	83.69753	89.80176	98.70762	92.70619	56.91542	75.5223	61.5035	64.28889	79.82004	80.80071	0.404917	0.094333	-0.11447	0.721373	0.091722	0.86391
AT3G02930	AT3G02930	234.2141	178.4246	137.779	84.13278	121.894	108.6565	117.3881	107.889	133.7457	212.0574	198.2198	184.3914	-0.79237	0.000346	-0.59475	0.011424	0.105767	0.835663
AT3G02940	MYB107	2.377808	0	0	0.824831	0.662467	0.996841	1.778607	0	0	0.959536	1.330334	0	-0.01265	NA	-0.11428	NA	-0.05412	NA
AT3G02950	THO7B	159.3131	214.1095	195.7235	214.8685	231.8635	196.3776	177.8607	152.1235	217.7029	196.7048	184.9164	184.3914	0.184764	0.375274	-0.04365	0.869431	0.002055	0.996883
AT3G02960	AT3G02960	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	NA	0	NA	0	NA
AT3G02970	EXL6	0	0	0	0	0	0	1.07889	0	0	0	0	0	0.16673	NA	0	NA	0	NA
AT3G02980	MCC1	23.77808	24.97944	20.60247	20.20836	23.18635	19.93682	28.45771	22.65669	17.57243	33.58375	29.26735	19.68222	-0.11523	0.804139	-0.00204	0.996893	0.235394	0.755937
AT3G02990	HSFA1E	32.10041	39.25341	23.17778	31.34358	48.36011	47.84836	69.36567	74.44341	68.33722	41.26003	58.53469	32.1131	0.389504	0.265237	1.107499	0.000373	0.44257	0.425471
AT3G03000	CML18	27.34479	48.17464	36.05432	75.47205	70.884	53.8294	49.80009	67.97007	96.64835	38.38143	27.93701	23.82585	0.820569	0.011576	0.897446	0.007056	-0.25118	0.717074
AT3G03010	AT3G03010	71.33424	62.44861	63.09506	131.1482	121.894	125.6019	128.949	118.6779	111.292	72.92471	115.7391	108.7702	0.90646	2.71E-05	0.829533	0.000233	0.553293	0.092865
AT3G03020	AT3G03020	179.5245	153.4452	154.5185	22.2292	290.8231	234.2576	226.7724	175.8591	288.9688	174.6355	211.5231	164.7091	0.593552	0.005709	0.4686851	0.033438	0.162234	0.711842
AT3G03030	AT3G03030	48.74506	37.46917	32.19136	49.07745	56.97219	44.85784	84.48383	58.26006	52.71728	46.05771	58.53469	44.54398	0.322533	0.322633	0.678405	0.027738	0.29159	0.620936
AT3G03040	AT3G03040	246.1031	206.9725	252.3803	249.9238	325.9339	285.0965	222.3259	215.778	282.1351	243.722	270.0578	208.2172	0.272723	0.169945	0.023828	0.929552	0.023697	0.963009
AT3G03050	C5LD3	280.5813	174.8561	154.5185	138.5716	123.2189	175.444	150.2923	167.2279	103.4821	146.809	171.6131	145.0269	-0.47155	0.07768	-0.51809	0.061347	-0.38722	0.362337
AT3G03060	AT3G03060	41.61164	30.33218	42.49259	58.56301	45.71024	67.78517	34.68284	33.44559	42.95482	44.13864	50.55269	63.1903	0.528767	0.078894	-0.06201	0.888952	0.417305	0.405476
AT3G03070	AT3G03070	537.3846	601.2909	643.8272	753.0708	787.0111	670.8738	648.3022	564.2594	756.9506	684.1489	863.3867	614.2926	0.306869	0.088817	0.142036	0.510151	0.171203	0.329673
AT3G03080	AT3G03080	0	0	0	0	0	0	0	0	0.976246	0.959536	0	0	0	NA	0	NA	0.146371	NA
AT3G03090	ATVG1	190.2246	183.7773	190.5728	119.1881	104.6698	152.5166	148.5137	151.0446	125.9357	189.9881	137.0244	161.6014	-0.58483	0.002883	-0.39885	0.063694	-0.197	0.595333
AT3G03100	AT3G03100	389.9605	449.63	484.158	89.49669	560.4473	594.1171	544.4341	479.0271	751.7094	445.2245	343.2262	443.368	0.436246	0.040373	0.3392	0.140456	-0.09776	0.836547
AT3G03110	XPO1B	174.7689	146.3082	220.1889	148.882	190.1281	230.2702	208.9863	220.0935	311.7932	168.8783	137.0244	165.745	0.055432	0.863961	0.04309	0.90156	-0.19294	0.694796
AT3G03120	ATARF81C	43.98945	69.5856	63.09506	68.8734	72.20893	63.79781	51.5796	53.9445	60.52725	66.46235	23.94601	45.57989	0.229634	0.450146	-0.06734	0.860557	-0.65655	0.112
AT3G03130	AT3G03130	85.60108	58.88012	70.82099	80.83345	104.6698	82.73778	67.58706	73.36452	89.81463	93.07496	95.78405	80.80071	0.28781	0.264999	0.077444	0.816219	0.292493	0.490699
AT3G03140	AT3G03140	111.75	85.64381	84.98519	87.84452	75.52127	101.6778	82.70522	108.9679	60.52725	76.76285	57.20436	99.44703	-0.09882	0.774213	-0.1648	0.637742	-0.25793	0.61817
AT3G03150	AT3G03150	680.0531	963.4429	834.4	707.7051	647.2305	544.2751	547.8109	644.0973	902.0513	1082.356	993.7595	887.7719	-0.3687	0.08831	-0.23422	0.3323	0.253675	0.481893
AT3G03160	AT3G03160	102.2457	96.34929	140.3543	199.6091	225.9013	153.5135	145.8458	133.7824	286.4041	145.8494	122.3907	126.3806	0.728915	0.011652	0.693121	0.021136	0.202954	0.732046
AT3G03170	AT3G03170	3.566712	7.136984	10.30123	17.32145	9.274542	13.95577	15.11816	15.10446	20.50117	10.55489	9.312338	9.323159	0.781954	0.123242	0.1042019	0.041704	0.365366	NA
AT3G03180	AT3G03180	19.02246	32.11643	39.91728	60.62509	51.00988	43.86099	42.68657	43.1556	48.8123	40.3005	61.19536	34.18492	0.742248	0.022915	0.528984	0.147827	0.521667	0.329846
AT3G03190	G5TF11	131.9683	87.42806	113.3116	76.29688	63.59686	60.80729	78.25781	79.83786	88.83839	217.8146	222.1658	145.0269	-0.70264	0.003091	-0.42736	0.106464	0.772747	0.009615
AT3G03200	NAC045	3.566712	3.568492	3.862963	1.237247	1.324935	4.984204	1.778607	4.31556	2.928738	5.757214	1.330334	2.071813	-0.40839	0.580675	-0.17458	0.839311	-0.11858	NA
AT3G03210	AT3G03210	61.82301	58.88012	63.09506	47.01538	37.09817	45.85468	58.69403	56.10228	76.14719	58.53167	47.89202	63.1903	-0.47975	0.017953	0.051638	0.886559	-0.10452	0.861927
AT3G03220	EXPA13	116.5126	123.113	114.6012	89.49418	93.40789	88.71883	55.16942	53.36452	91.76712	114.1847	107.7571	122.237	-0.36823	0.093465	-0.06624	0.002624	-0.03405	0.951963
AT3G03230	AT3G03230	0	1.784246	0	0.824831	2.649869	0.996841	0.889303	1.07889	0	0.959536	1.330334	0	0.480579	0.470264	0.054847	0.944643	0.103652	NA
AT3G03240	AT3G03240	0	1.287654	2.88609	1.987402	2.990522	7.114428	1.07889	0.976246	0.919071	3.991002	2.071813	0.769801	0.260413	0.908121	0.193151	0.746668	NA	NA
AT3G03250	UGP	814.3992	708.3457	562.7049	476.34	472.3392	470.5088	508.6816	523.2616	445.1682	554.6116	448.3225	622.5798	-0.5447	0.001356	-0.48838	0.005681	-0.35022	0.177996
AT3G03260	H0G8	1.188904	1.784246	1.287654	2.474493	0.662467	0	5.335821	5.39445	7.809968	1.919071	1.330334	1.413626	-0.16875	0.836521	1.226367	0.005843	0.362722	NA
AT3G03270	AT3G03270	63.01191	73.15409	87.5605	44.9533	47.69764	62.80097	51.5796	39.91893	78.09968	65.24842	58.53469	64.2262	-0.51721	0.073456	-0.37375	0.245226	-0.23315	0.669318
AT3G03272	AT3G03272	0	0	0	0	0	0	0	0	0.976246	0.959536	0	0	0	NA	0	NA	0.146371	NA
AT3G03280	AT3G03280	0	0	0	0	0	0	0	0	1.07889	0	0	0	0	NA	0	NA	0.16673	NA
AT3G03290	AT3G03290	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G03300	DCL2	353.1045	272.9896	298.7358	238.3762	219.2767	283.1028	345.9391	264.328	201.1067	321.4444	336.5745	295.2334	-0.31961	0.149304	-0.18562	0.436262	0.037627	0.945273
AT3G03305	AT3G03305	178.3356	158.7979	151.9432	110.9398	88.10815	139.5577	175.1928	160.7546	80.05217	143.9033	126.3817	140.8833	-0.5138	0.066098	-0.22279	0.498997	-0.23735	0.644822
AT3G03310	LCAT3	131.9683	105.2705	122.3272	176.9612	172.778	177.4377	209.8756	161.8335	188.4155	79.64146	99.77505	61.9192	0.578993	0.0085	0.613589	0.006674	-0.16512	0.720577
AT3G03320	AT3G03320	41.61164	44.60615	52.79383	79.18379	83.47088	59.81045	58.69403	49.62894	81.02842	53.734	71.83803	63.3392	0.655199	0.018127	0.42094	0.182903	0.436412	0.342868
AT3G03330	AT3G03330	228.2696	283.6951	272.9827	133.0234	297.4478	304.0634	265.0124	320.4303	386.5934	293.6179	271.3881	295.2334	0.222033	0.235131	0.30626	0.10428	0.136202	0.691045
AT3G03340	UNE6	139.1018	201.6198	172.5457	260.2342	206.6898	201.3618	245.4478	243.8291	234.299	138.1731								

AT3G03820	AT3G03820	79.65656	96.34929	100.437	40.82914	30.47349	21.9305	21.34328	23.73558	37.09735	105.5489	114.4087	123.2729	-1.43723	2.35E-08	-1.64476	1.74E-09	0.307263	0.502394
AT3G03826	AT3G03826	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G03828	AT3G03828	0	0	0	0	0	0	0	0	0	0.959536	0	0	0	NA	0	NA	0.175112	NA
AT3G03830	AT3G03830	21.40027	28.54794	19.31482	14.02213	12.58688	3.987363	3.557214	3.23667	10.73871	15.35257	23.94601	26.93357	-0.92179	0.049225	-1.57343	0.001195	-0.04072	NA
AT3G03840	AT3G03840	20.21137	23.1952	46.35556	27.63184	31.13596	9.968408	8.003731	8.63112	14.64369	33.58375	53.21336	50.75942	-0.3084	0.531072	-1.27858	0.004749	0.539826	0.450905
AT3G03845	AT3G03845	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.172362	NA
AT3G03847	AT3G03847	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.172362	NA
AT3G03850	AT3G03850	34.47821	24.97944	41.20494	33.40566	35.11077	21.9305	14.22886	7.55223	20.50117	25.90746	41.24035	44.54398	-0.13204	0.77364	-1.1113	0.005008	0.116123	0.892359
AT3G03852	AT3G03852	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G03855	AT3G03855	121.2682	87.42806	96.57408	152.1813	139.1181	159.4945	76.4801	79.83786	57.59851	56.6126	58.53469	77.69299	0.535437	0.014166	-0.50786	0.038062	-0.6446	0.039529
AT3G03860	APRL5	340.0265	308.6746	318.0506	240.4383	288.8357	235.2544	271.2376	248.1447	295.8025	284.0225	321.9408	303.5206	-0.33512	0.029781	-0.24383	0.152331	-0.09203	0.774608
AT3G03870	AT3G03870	663.4084	835.0271	721.0864	699.0444	775.7492	764.5769	980.0124	760.6174	813.2129	595.8716	729.023	642.262	0.01485	0.944242	0.203926	0.238839	-0.17021	0.538161
AT3G03880	AT3G03880	104.6235	99.91778	78.54691	156.3055	180.8536	149.5261	160.9639	121.9146	175.7243	87.31774	134.3637	110.842	0.758607	0.000645	0.675726	0.003746	0.213764	0.630253
AT3G03890	AT3G03890	450.5946	540.6265	503.4728	586.4549	656.5051	678.8486	899.9751	773.5641	675.5622	582.4381	505.5269	533.4919	0.357998	0.020007	0.646746	1.06E-05	0.120481	0.689662
AT3G03900	APK3	49.9337	59.95889	55.36914	56.91335	55.64725	57.81677	63.14055	46.39227	43.93107	75.80331	51.88302	62.15439	0.124234	0.700126	-0.01242	0.974261	0.286755	0.554396
AT3G03910	GSH3	11.88904	5.352738	6.438272	9.485558	9.937009	6.977885	9.782338	7.55223	18.54867	10.55489	9.312338	21.75404	0.089272	0.896351	0.438731	0.479437	0.622891	NA
AT3G03920	AT3G03920	334.082	353.2807	392.7346	470.1538	514.7371	448.5784	274.7948	318.2725	492.028	310.8895	288.6825	323.2028	0.398307	0.059941	0.005866	0.984334	-0.21972	0.561708
AT3G03930	AT3G03930	3.566712	0	2.575309	3.71174	1.324935	0.996841	0.889303	0	2.928738	0.959536	0	2.071813	0.020615	0.980861	0.1546	0.704493	-0.3921	NA
AT3G03940	AT3G03940	750.1984	688.719	633.5259	516.3443	426.6289	532.313	615.398	666.754	474.4556	588.4497	439.0102	565.605	-0.48175	0.005885	-0.23455	0.240066	-0.39661	0.118262
AT3G03950	ECT1	256.8033	321.1643	272.9827	427.2625	420.6667	424.6542	443.7624	456.3704	353.4041	289.7798	286.0218	270.3716	0.580252	7.86E-05	0.58044	0.000226	-0.00047	0.998659
AT3G03960	CCT8	880.9778	774.3628	806.0716	705.3046	637.2935	670.8738	573.6007	686.174	625.7737	677.7787	558.7403	738.6014	-0.28619	0.072603	-0.38101	0.017098	-0.2338	0.351413
AT3G03970	AT3G03970	71.33424	82.07532	75.97161	87.84452	65.58426	88.71883	73.81219	74.44341	48.8123	92.11542	62.5257	75.62118	0.080469	0.804485	-0.20409	0.523743	0.021455	0.976969
AT3G03980	AT3G03980	49.93397	51.74313	57.94445	77.12171	85.45828	72.76938	66.69776	81.99564	81.02842	52.77446	53.21336	61.11849	0.542145	0.024034	0.499397	0.053903	0.062279	0.920569
AT3G03990	D14	23.77601	440.7088	373.4198	639.6566	628.6814	682.8359	729.2289	699.1207	758.5431	329.1207	311.2981	296.2693	0.739948	8.76E-10	0.89899	4.6E-14	-0.31083	0.10692
AT3G04000	AT3G04000	23.77808	33.90067	36.05432	40.82914	47.69764	46.85152	68.47637	74.44341	64.43224	37.42189	67.84703	38.32854	0.43941	0.127771	1.1546	9.42E-05	0.556081	0.254453
AT3G04010	AT3G04010	10.70014	17.84246	24.46543	32.16841	41.07297	32.89575	35.57214	34.52448	26.35864	18.23118	23.94601	21.75404	0.918297	0.010724	0.786784	0.034366	0.231671	0.727938
AT3G04020	AT3G04020	49.93397	66.0171	63.09566	66.39891	62.93439	72.76938	80.92662	57.18117	54.66978	54.69353	59.86503	52.83123	0.173601	0.558061	0.120255	0.723433	-0.05859	0.889374
AT3G04030	AT3G04030	74.90095	67.80135	96.57408	44.9533	54.32232	61.80413	64.02985	55.02339	42.95482	73.88424	77.15937	76.65708	-0.57909	0.021719	-0.54397	0.045356	-0.07782	0.895203
AT3G04040	AT3G04040	15.45575	17.84246	25.75309	19.79595	15.89921	17.94313	17.78607	0.9710009	15.61994	26.867	15.96401	29.00538	-0.11876	0.814989	-0.3892	0.430038	0.270934	0.738247
AT3G04050	AT3G04050	3.566712	1.136984	0	1.237247	2.649869	1.993628	0.889303	4.31556	4.88123	2.878607	7.982004	9.323159	-0.47148	0.517189	-0.01357	0.98774	0.643664	NA
AT3G04060	anac046	15.45575	14.27397	10.30123	68.46099	52.99738	49.84204	72.92289	74.44341	64.43224	5.757214	15.96401	9.323159	1.926904	7.36E-09	2.198167	4E-11	-0.36358	0.646732
AT3G04070	anac047	27.34479	28.54794	12.87654	223.1168	244.4504	270.1439	220.5473	178.0168	138.6269	17.27164	33.25835	19.68222	3.226341	5.18E-32	2.785531	1.34E-23	-0.00761	0.993182
AT3G04080	APY1	165.2576	101.702	176.4088	137.7468	116.5942	149.5261	125.3918	147.8079	105.4346	119.942	90.46271	128.4524	-0.14641	0.604456	-0.23498	0.410709	-0.37989	0.329307
AT3G04090	SIP1-1	532.629	578.0957	499.6099	646.2552	665.1171	579.1645	499.8886	562.1017	616.0112	483.606	469.6079	407.1113	0.023816	0.114559	0.006564	0.709399	-0.23785	0.299464
AT3G04100	AGL57	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0	NA	0	NA
AT3G04110	GLR1-1	158.1242	194.4828	167.3951	196.3098	198.7402	200.365	191.2002	162.9124	95.67211	110.3466	117.0694	122.237	0.195151	0.455472	-0.19481	0.488197	-0.54658	0.100977
AT3G04120	GAPC1	2803.436	2389.105	2183.862	2689.362	2490.877	2428.304	1718.134	1917.187	2563.622	2118.655	1841.182	2237.558	0.043918	0.844353	-0.24655	0.205116	-0.24634	0.387801
AT3G04130	AT3G04130	60.6341	62.44861	70.82099	47.42779	54.98478	59.81045	50.6903	55.02339	40.02609	44.13864	50.55269	69.40574	-0.26163	0.374122	-0.39505	0.194207	-0.22929	0.657308
AT3G04140	AT3G04140	172.3911	162.3664	185.4222	34.64291	47.03518	30.90206	44.46517	28.05114	36.2111	115.1443	95.78405	139.8474	-1.2101	6.95E-29	-2.15659	2.19E-20	-0.54695	0.087743
AT3G04150	AT3G04150	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G04160	SNRNP48	158.1242	149.8767	158.3815	114.2391	117.2567	121.6146	141.3993	135.9401	72.2422	186.1499	174.2738	151.2424	-0.39162	0.106706	-0.40228	0.117448	0.128067	0.7943
AT3G04170	AT3G04170	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0	NA	0	NA
AT3G04180	AT3G04180	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0	NA	0	NA
AT3G04181	AT3G04181	0	0	7.725926	5.773818	7.949607	2.990522	0.889303	0	1.952492	4.797678	0	2.071813	0.622426	0.381167	-0.5377	0.47823	-0.07186	NA
AT3G04184	AT3G04184	8.322328	8.92123	9.01358	11.13522	11.92441	6.977885	3.557214	6.47334	11.71495	7.676285	6.65167	9.323159	0.195982	0.757517	-0.2187	0.753391	-0.10759	NA
AT3G04190	AT3G04190	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0	NA	0	NA
AT3G04200	AT3G04200	2.377808	1.136984	1.287654	6.598649	7.28714	1.993628	3.557214	8.63112	5.857476	0	2.660668	1.035907	0.482453	0.496321	0.541708	0.464057	-0.69934	NA
AT3G04210	AT3G04210	1543.197	1811.01	1568.363	2636.573	2419.33	2869.905	2537.183	2521.366	2285.392	888.53	965.8225	1104.276	0.680739	4.4E-08	0.572395	6.8E-06	-0.72428	3.4E-07
AT3G04220	AT3G04220	7.133424	21.41095	14.1642	79.59621	67.5166	100.6809	112.0522	113.2834	95.67211	2.878607	5.321336	7.251346	2.386815	1.15E-13	2.75355	8.06E-18	-1.054	0.091351
AT3G04230	RP516B	27.34479	21.41095	36.05432	58.1506	55.64725	37.87995	27.56841	50.70783	80.05217	32.62421	42.57069	35.22082	0.753639	0.047635	0.791261	0.054725	0.314169	0.670667
AT3G04240	SEC	838.1773	726.1881	719.7988	703.1686	659.1549	823.3905	861.7351	975.3165	528.1491	661.12	667.8277	684.7342	-0.06398	0.80929	-0.04779	0.868241	-0.1776	0.652037
AT3G04250	AT3G04250	0	0	0	0	0	0	0	0.972646	0	0	0	0	0	NA	0	NA	0	NA
AT3G04260	PTAC3	1292.339	1108.017	1178.204	904.4274	926.7917	936.0335	1020.031	1111.257	898.1463	1197.5	1568.464	1192.328	-0.36748	0.013876	-0.238			

AT3G04720	HEL	350.7267	444.2773	427.5012	1516.864	1315.66	1197.206	2386.891	2375.716	2969.74	234.1267	399.1002	284.8743	1.679272	5.61E-20	2.596104	4.58E-47	-0.405	0.191523	
AT3G04721	AT3G04721	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT3G04730	IAA16	2062.748	2212.465	2328.079	1579.552	1691.941	1661.734	1530.449	1351.849	1534.659	2257.787	2067.339	1905.032	-0.4174	0.000174	-0.57443	1.6E-07	-0.08268	0.719136	
AT3G04732	AT3G04732	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT3G04735	RALF11	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT3G04740	MED14	492.2062	380.0444	285.8593	169.9152	156.3423	239.2418	196.5361	274.038	158.1519	281.1439	284.6915	275.5511	-1.0006	2.88E-05	-0.84844	0.000609	-0.44369	0.251311	
AT3G04750	PCMP-E81	99.86793	112.4075	114.6012	69.28582	52.99738	80.7441	76.4801	80.91675	50.76479	79.64146	82.48071	95.3034	-0.66839	0.005201	-0.62364	0.014073	-0.3275	0.43165	
AT3G04760	AT3G04760	95.06777	947.4336	90.21852	27.63184	90.69989	699.8692	671.0793	784.5137	950.6654	873.7402	828.0792	959.1708	930.2441	-0.38717	0.001778	0.023423	0.894925	-0.05481	0.849275
AT3G04765	MIR167C	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT3G04770	RPSAB	74.90095	58.88012	64.38272	90.31901	74.19633	71.72254	64.7334	64.3347	69.31347	66.20796	74.4987	80.80071	0.24889	0.334198	0.062926	0.850318	0.140514	0.781547	
AT3G04780	AT3G04780	249.6698	217.678	309.037	398.3934	459.7523	389.7647	422.4192	353.8759	557.4365	260.0342	243.4511	282.8025	0.66228	0.000687	0.75601	0.000113	0.013654	0.982469	
AT3G04790	RP3	1067.636	1029.51	967.0284	632.6455	625.3691	552.2498	860.8458	1028.182	1607.877	1170.633	1392.86	956.1417	-0.73401	0.000689	0.184511	0.491513	0.192919	0.64448	
AT3G04800	TIM23-3	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT3G04810	NEK2	387.5827	301.5376	391.4469	300.651	311.3596	304.0364	307.699	322.5881	229.4178	408.7622	413.7339	394.6804	-0.24116	0.174147	-0.33125	0.065592	0.161827	0.597604	
AT3G04820	AT3G04820	115.3237	133.8185	146.7926	146.4075	139.7806	135.5703	128.949	155.3602	91.76712	105.5489	93.12338	99.44703	0.094904	0.721661	-0.07234	0.808627	-0.39006	0.626901	
AT3G04830	AT3G04830	373.3158	403.2396	422.3506	530.3664	489.5633	546.2687	457.9913	481.1849	429.5482	437.5482	484.2416	421.614	0.381633	0.002777	0.189549	0.199931	0.160687	0.489448	
AT3G04840	RPS3AA	2853.369	2829.814	3007.961	3169.826	3015.551	2768.227	1806.175	2223.592	3013.671	2889.162	2562.223	2674.711	0.04239	0.852259	-0.2976	0.118685	-0.09497	0.796731	
AT3G04850	TCX4	52.31177	37.46917	50.21852	27.63184	29.81103	34.88943	27.56841	23.73558	23.4299	53.734	66.5167	52.83123	-0.6079	0.036694	-0.86159	0.005159	0.026787	0.607892	
AT3G04854	AT3G04854	4.755616	0	5.150617	2.062078	0.662467	1.993682	2.66791	0	2.928738	0.959536	0	2.071813	-0.55924	0.439875	-0.4285	0.584396	-0.74492	NA	
AT3G04855	AT3G04855	0	0	0	0	0	0	0.889303	0	0	0	0	0	#N/A	#N/A	0.160764	NA	0	NA	
AT3G04860	AT3G04860	79.65566	60.66437	96.57408	45.36571	45.04777	60.80729	53.35821	67.97007	67.36097	65.24842	97.11438	82.87252	-0.65393	0.012458	-0.33112	0.27293	0.024467	0.973085	
AT3G04870	ZDS1	738.3094	758.3046	672.1556	668.3381	599.5329	613.0571	795.0373	863.112	696.0634	785.8597	1084.222	755.1759	-0.19943	0.275998	0.116788	0.573107	0.268928	0.310967	
AT3G04880	DRT102	256.8033	292.6163	244.6543	245.7997	264.3244	266.1565	218.7687	225.488	294.8263	242.7625	199.5501	216.5045	-0.02924	0.898054	-0.09636	0.66359	-0.25464	0.377356	
AT3G04890	AT3G04890	259.1811	324.7328	319.3383	262.7087	314.0095	275.1281	276.5734	301.0103	310.4462	379.9761	331.2532	316.9874	-0.07941	0.68418	-0.01976	0.931549	0.191005	0.499012	
AT3G04900	AT3G04900	0	0	0	0.412416	0	0	0	0	0.959536	0	0	0	0.066171	NA	0	NA	0.145274	NA	
AT3G04903	AT3G04903	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA	
AT3G04910	WNK1	2137.649	2148.232	2075.699	1166.311	1159.98	1485.293	1662.108	1834.113	1468.274	2260.666	2430.52	2162.973	-0.73228	2.51E-08	-0.35344	0.013986	0.106067	0.698495	
AT3G04920	RPS2AA	1062.88	1068.763	1270.915	1586.15	1627.682	1354.707	1171.213	1058.391	1697.692	833.8365	689.113	1523.819	0.405838	0.14877	0.197241	0.544784	-0.15132	0.785334	
AT3G04930	AT3G04930	426.8165	383.6129	361.8309	402.5176	342.4956	423.6573	428.6443	406.7415	416.857	358.8663	391.1182	355.3159	-0.00838	0.96543	0.092741	0.603788	-0.08778	0.760953	
AT3G04940	CYS01	451.7835	369.3389	440.3778	355.9194	353.0951	371.8216	314.8134	347.4026	415.8808	362.7045	336.5745	410.219	-0.22578	0.17835	-0.22871	0.197959	-0.18507	0.510598	
AT3G04943	LCR41	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT3G04945	LCR18	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT3G04950	AT3G04950	39.23383	30.33218	30.9037	42.89122	49.68505	36.88311	37.35075	23.73558	40.02609	39.34096	30.59768	41.43626	0.341701	0.315816	0.004313	0.992518	0.136888	0.850597	
AT3G04960	AT3G04960	52.31177	39.25341	43.78027	11.96005	21.86142	7.974726	14.22886	20.49891	18.54867	98.83217	111.7481	75.62118	-1.35857	2.54E-06	-1.24334	0.000328	0.171050	0.008653	
AT3G04970	PAT17	82.03437	119.5445	86.27284	158.78	180.8536	153.5135	146.7351	124.0723	149.3656	105.5489	117.0694	97.37521	0.779594	6.15E-05	0.55354	0.009024	0.163369	0.697022	
AT3G04980	AT3G04980	77.28776	41.03766	55.36914	29.28151	26.49869	27.91154	33.79353	30.20892	26.35864	60.45074	55.87403	54.90305	-1.01625	0.00027	-0.90956	0.002309	-0.04084	0.957164	
AT3G04990	AT3G04990	0	0	0	0	0	0	0.889303	0	0	0	0	0	0.128567	0	0	NA	0	NA	
AT3G04997	AT3G04997	0	0	0	0.662467	0	0	0	0	0	0	0	0	0.286892	0.18355	0.253101	0.27705	-0.01782	0.975875	
AT3G05000	AT3G05000	162.8798	199.8356	218.9012	240.8507	239.1507	231.2671	187.643	217.9358	289.9451	190.9476	166.2917	214.4327	0.587642	0.000148	0.476663	0.003877	0.034666	0.935197	
AT3G05010	AT3G05010	149.8019	185.5616	198.2988	252.8107	270.9491	283.1028	257.0087	239.5136	246.9902	190.9476	170.2827	182.3195	-0.17609	0.466892	-0.3737	0.110437	0.489216	0.905689	
AT3G05020	ACP1	161.6909	153.4452	157.0938	122.8998	162.3045	132.5798	112.0522	98.17898	151.3181	215.8955	256.7545	198.8941	-1.71188	6.89E-22	-1.18242	7.9E-11	0.019892	0.97028	
AT3G05030	NHX2	474.3727	356.8492	369.5568	108.0529	121.2315	129.5893	192.0896	193.1213	134.7219	458.658	380.4755	380.1777	-0.26371	0.369965	-0.12305	0.722604	-0.08906	0.883508	
AT3G05040	HST1	179.5245	139.1712	141.642	113.4144	109.3071	161.4882	170.6444	184.4902	90.79088	135.2945	164.9614	133.6191	0.118418	0.591034	0.091367	0.780898	-0.21584	0.524771	
AT3G05050	AT3G05050	260.37	256.9314	217.6136	270.5446	221.2641	309.0206	270.3284	296.6947	216.7262	201.5025	208.8624	219.6122	-0.27756	0.021765	-0.04792	0.831868	-0.07555	0.845503	
AT3G05060	NOPS-2	662.2195	549.5478	609.0605	468.5041	537.261	494.433	514.9067	525.4194	720.4695	526.7851	554.7493	647.4416	-0.27756	0.021765	-0.04792	0.831868	-0.07555	0.845503	
AT3G05070	AT3G05070	219.9472	312.2431	229.2025	375.2982	384.8935	336.9322	332.5995	317.1936	412.9521	292.6584	421.7159	303.5206	0.523806	0.109132	0.477262	0.002378	0.141416	0.173985	
AT3G05080	AT3G05080	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT3G05090	LRS1	392.3382	421.0821	333.5025	419.8391	375.6189	477.4867	461.5485	476.8694	328.9949	410.6812	446.9922	368.7827	0.147244	0.492421	0.143351	0.528166	0.095701	0.810892	
AT3G05100	AT3G05100	257.9922	249.7944	271.6951	235.4893	246.4378	255.1912	247.2264	245.9869	211.8454	242.7625	254.0938	233.079	-0.08613	0.617807	-0.14512	0.40834	-0.09777	0.746536	
AT3G05110	AT3G05110	2.377808	3.568492	2.975309	4.124156	3.974804	2.990522	4.446517	2.15778	0.972646	4.797678	5.321336	9.323159	0.25047	0.742089	-0.08708	0.920473	0.806967	0.917881	
AT3G05120	GID1A	191.4135	199.8356	200.8741	282.0923	309.3722	291.0775	369.6009	342.0081	375.5841	171.7569	208.8624	197.8581	0.865503	7.03E-05	-0.12305	0.722604	-0.08906	0.883508	
AT3G05130	AT3G05130	152.1797	146.3082	127.4778	109.2901	112.6194	118.6241	82.70522	74.44341	106.4108	94.03449	111.7481	110.842	-0.31813	0.123758	-0.67077	0.00103	-0.02015	0.165196	
AT3G05140	RBK2	22.58917	10.70548	33.47901	13.1973	17.22415	13.95577	12.40257	10.73871	15.35257	29.26735	23.82585	0	-0.55624	0.21072	-0.76566	0.100191	-0.46134	0.989317	
AT3G05150	AT3G05150	3.566712	1.784246	5.150617	2.474															

AT3G05570	AT3G05570	39.23383	58.88012	47.64321	112.177	104.0074	89.71567	96.04478	74.44341	134.7219	44.13864	51.88302	69.40574	1.03562	0.00017	1.025957	0.000291	0.184702	0.767369
AT3G05580	TOPP8	82.03437	115.976	95.28642	118.7757	145.0803	162.485	128.949	120.8357	140.5794	94.03449	62.5257	83.90843	0.525781	0.019414	0.414228	0.091809	-0.24894	0.562735
AT3G05590	RPL18P	2980.582	2990.396	3479.242	3471.302	3700.542	3355.366	2474.932	2506.261	3482.269	3291.207	2208.354	3339.763	0.152032	0.493949	-0.1555	0.503618	-0.09367	0.822682
AT3G05600	AT3G05600	42.80054	49.95889	64.38272	80.00862	71.54647	77.75358	62.25124	62.57562	75.17094	65.24842	54.54369	76.65708	0.524068	0.039789	0.330969	0.260307	0.314797	0.490609
AT3G05602	AT3G05602	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G05610	PME21	0	0	1.287654	0	0	0	0.889303	0	0	0	0	0	-0.21946	NA	-0.0473	NA	-0.20113	NA
AT3G05620	PME22	8.322328	7.136984	10.30123	3.71174	3.312336	7.974726	8.003731	2.15778	2.928738	7.676285	7.982004	8.287252	-0.66231	0.268348	-0.69675	0.276735	-0.08373	NA
AT3G05625	AT3G05625	71.33424	67.80135	75.97161	79.59621	69.55906	59.81045	90.70896	80.91675	114.2208	104.5894	66.5167	65.67508	-0.02937	0.932505	0.391546	0.161236	0.202609	0.684953
AT3G05630	PIDP2	30.9115	21.41095	20.60247	65.16166	52.99738	92.70619	58.69403	58.26006	23.4299	11.51443	13.30334	13.46678	1.37427	0.000158	0.836441	0.038808	-0.80111	0.209487
AT3G05640	AT3G05640	238.9697	269.4212	323.2012	181.4629	162.9669	176.4408	152.9602	163.9913	140.5794	347.3519	267.3971	283.8384	-0.66011	0.000112	-0.84438	1.24E-06	0.11425	0.752033
AT3G05650	ATRLP32	340.0265	240.8732	249.8049	341.8925	316.6594	374.8121	224.1045	203.9102	108.3633	204.3811	248.7725	202.0018	0.298783	0.262836	-0.60876	0.017617	-0.33519	0.422952
AT3G05660	ATRLP33	72.52314	69.5856	64.38272	58.97543	63.59686	70.7757	43.57587	45.31338	24.40615	42.21957	53.21336	52.83123	-0.09859	0.762866	-0.82259	0.003228	-0.46122	0.284968
AT3G05670	AT3G05670	448.2168	346.1347	355.3926	329.1076	355.7449	429.6384	393.9614	461.7649	426.6195	319.5254	317.9498	361.5314	-0.05569	0.793142	0.149036	0.459046	-0.2029	0.494715
AT3G05675	AT3G05675	96.30122	94.56504	92.71111	105.9908	109.3071	126.5988	141.3993	108.9679	100.5533	111.3061	82.48071	99.44703	0.251688	0.288834	0.30149	0.224156	0.055112	0.920455
AT3G05680	EMB2016	645.5748	547.7635	462.2679	252.8107	230.5386	294.068	345.9391	402.4259	209.8929	446.1841	391.1182	399.8599	-1.05804	7.51E-07	-0.76426	0.000627	-0.40633	0.242454
AT3G05685	AT3G05685	10.70014	7.136984	7.725926	11.13522	13.24935	7.974726	7.114428	7.55223	13.66744	9.595356	10.64267	7.251346	0.282528	0.629312	0.097393	0.890168	0.054732	NA
AT3G05690	DFY42	74.90095	99.91778	81.12222	214.0437	221.9265	185.4124	150.2923	105.7312	121.0545	62.36982	89.13238	95.33931	1.257278	2.89E-09	0.555317	0.022092	-0.03962	0.950436
AT3G05700	D19-3	129.5905	148.0924	140.3543	222.292	258.3622	213.3239	280.1306	201.7524	204.5888	154.4852	163.6311	185.4273	0.717695	0.000197	0.895038	3.1E-06	0.264438	0.456137
AT3G05710	SP43	191.4135	246.226	242.079	315.4979	296.1229	313.008	321.0386	293.4581	285.0638	248.5197	211.5231	253.7971	0.444672	0.004993	0.406158	0.012791	0.081391	0.81742
AT3G05720	IMPAT7	2.377808	1.784246	1.287654	1.649662	1.324935	0.996841	2.66791	1.07889	0.972646	3.881143	1.330334	1.035907	-0.20008	0.804864	-0.08411	0.925139	0.112488	NA
AT3G05725	AT3G05725	0	0	0	0	0	0	0.889303	0	0	0	0	0	#N/A	#N/A	0.160764	NA	0.20994	NA
AT3G05727	AT3G05727	38.04493	26.76369	37.34198	94.03075	82.80841	140.5545	37.35075	37.76115	72.2422	23.98839	13.30334	20.71813	1.498248	3.47E-06	0.466959	0.241247	-0.71714	0.209942
AT3G05730	AT3G05730	236.5919	403.2396	330.9272	478.8145	362.3696	310.0175	293.4701	228.7247	360.2348	351.19	294.0038	283.8384	0.247478	0.359162	-0.12552	0.688102	-0.05402	0.928827
AT3G05740	RECQ11	41.61164	28.54794	29.61605	17.73387	21.19895	29.90522	22.23259	12.96668	11.71495	40.3005	51.88302	48.68761	-0.54742	0.135185	-0.97957	0.009656	0.447535	0.442386
AT3G05741	AT3G05741	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G05746	AT3G05746	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G05750	AT3G05750	175.9578	178.4246	145.5049	139.3965	147.0677	147.5324	163.6318	170.4646	157.1756	165.9997	139.6851	164.7091	-0.19984	0.283943	-0.02112	0.931725	-0.07572	0.849248
AT3G05755	AT3G05755	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G05760	AT3G05760	140.2907	157.0137	122.3272	226.4162	219.9391	155.5072	149.403	170.4646	290.9213	117.0633	93.12338	153.3142	0.503621	0.080527	0.517493	0.084127	-0.18782	0.74448
AT3G05770	AT3G05770	0	0	0	0.824831	0	0	0.889303	1.07889	0.972646	0	0	0	0.173022	NA	0.517009	NA	0	NA
AT3G05780	LN03	1.188904	1.784246	0	0	0	0	0.889303	1.07889	0.972646	0	1.330334	0	-0.62835	NA	0.055777	NA	-0.27651	NA
AT3G05790	LN04	13.07794	16.05821	7.725926	6.186234	5.962205	4.984204	6.225124	11.86779	4.88123	18.23118	22.61568	18.64632	-0.86873	0.082226	-0.55062	0.332225	0.628466	NA
AT3G05800	BHLH150	9.23203	53.52738	37.34198	40.00431	41.73544	46.85152	68.46737	85.23231	137.8802	41.26003	33.25835	52.83123	-0.01207	0.977307	1.067766	0.00035	-0.00345	0.996883
AT3G05810	AT3G05810	61.83301	46.39074	61.80471	117.5384	125.2063	93.70303	93.37687	63.65451	137.6561	91.15588	86.47171	97.37521	0.924997	0.000708	0.737851	0.011335	0.641039	0.919276
AT3G05820	INVH	7.133424	8.92123	6.438272	5.361402	3.974804	8.971567	3.557214	4.31556	3.904984	2.878607	2.660668	3.10772	-0.2269	0.743861	-0.65863	0.322447	-0.91924	NA
AT3G05830	AT3G05830	115.3237	103.4863	130.0531	226.0037	243.1255	210.3334	170.7463	142.4135	174.748	107.468	131.7031	125.3447	0.936862	5.29E-08	0.466396	0.017137	0.046477	0.923603
AT3G05835	AT3G05835	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G05840	ASK3	1081.903	1118.722	1118.972	960.1035	1152.031	1097.522	1234.353	1142.544	926.4574	1062.206	1106.838	1088.738	-0.0492	0.779712	-0.00641	0.973945	-0.02678	0.939635
AT3G05850	AT3G05850	131.9683	113.6984	77.25926	60.62509	54.32232	56.81992	88.93035	77.68008	49.78855	80.60099	89.13238	95.3034	-0.85339	0.0009	-0.53648	0.057398	-0.26056	0.952351
AT3G05858	AT3G05858	0	0	0	0.824831	0	0.662467	0	0	0	0	1.330334	1.035907	0.312498	NA	0	NA	0.393084	NA
AT3G05860	AT3G05860	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G05870	APC11	34.47821	35.68492	30.9037	45.77813	43.72284	45.85468	40.01866	34.52448	41.97858	45.09817	39.91002	39.36445	0.403612	0.18134	0.199668	0.587107	0.289578	0.595333
AT3G05880	RC12A	214.0027	135.6027	176.4086	346.0167	343.8205	298.0554	611.8408	388.4004	1272.409	338.7161	437.6799	405.0395	0.798939	0.049954	1.874286	6.23E-07	1.027955	0.054332
AT3G05890	RC12B	9.511232	7.136984	11.58889	6.186234	7.949607	9.968408	4.446517	2.15778	16.59618	20.15025	10.64267	9.323159	-0.21711	0.749537	-0.22166	0.761622	0.395986	NA
AT3G05900	AT3G05900	323.3819	231.952	267.8321	87.4321	153.6924	88.71883	128.949	74.44341	124.9595	191.9071	256.7545	162.0844	-1.25902	8.74E-07	-1.26004	1.35E-06	-0.20702	0.693266
AT3G05905	AT3G05905	0	1.784246	0	1.649662	1.987402	0.996841	0.889303	0	1.952492	1.919071	1.330334	1.035907	0.502579	0.407094	0.198778	0.805038	-0.41305	NA
AT3G05910	PAE12	1813.079	1893.085	1873.537	1229.411	1307.048	1490.277	977.3445	942.9498	833.7141	1967.048	1980.867	1829.411	-0.46865	3.67E-05	-1.00872	4.07E-20	0.049998	0.852376
AT3G05920	AT3G05920	0	0	0	0.412416	0	0	0.889303	0	0	0	1.330334	0	0.065278	NA	0.149821	NA	0.193775	NA
AT3G05930	GLP8	0	0	0	0.412416	0.662467	0.996841	0	3.23667	0	0.76479	0.3822854	0	0.340143	NA	0.493375	NA	0	NA
AT3G05932	AT3G05932	34.47821	41.03766	56.65679	39.17948	43.72284	44.85784	56.02612	50.70783	60.45074	55.87403	38.32854	0	-0.05926	0.875245	0.239744	0.495334	0.210979	0.717573
AT3G05935	AT3G05935	107.0014	115.976	95.28642	89.08176	108.6446	102.6746	127.1704	86.3112	75.17094	123.7801	188.9074	99.44703	-0.08008	0.819325	-0.12621	0.727145	0.350232	0.453672
AT3G05936	AT3G05936	40.42273	57.09587	56.65679	105.9908	100.0326	75.7599	145.8458	97.10009	118.1258	46.05771	89.13238	66.29802	0.84033	0.002938	1.173964	0.000023	0.353067	0.499012
AT3G05937	AT3G05937	40.42273	44.60615	36.05432	65.57408	72.20893	69.77885	108.495	89.54786	159.1281	39.34096	47.89202							

AT3G06380	TULP9	334.082	340.791	352.8173	449.1206	422.6541	414.6858	487.3383	494.1316	487.1468	293.6179	284.6915	282.8025	0.324688	0.007216	0.510258	1.59E-05	-0.25173	0.193952
AT3G06390	AT3G06390	1.188904	1.784246	1.287654	3.71174	3.312336	3.987363	0.889303	3.236621	0.976246	0	0	0.1035907	0.801468	0.241173	0.090957	0.910148	-0.50746	NA
AT3G06400	CHR11	1042.669	927.8079	885.9062	758.0198	776.4116	836.3494	865.2923	1071.338	849.334	995.0384	956.5101	855.6588	-0.26814	0.063554	-0.03751	0.846495	-0.02575	0.943411
AT3G06410	AT3G06410	236.5919	178.4246	207.3123	186.8243	178.2037	181.425	170.7463	142.4135	205.9879	199.5834	164.9614	191.6427	-0.19068	0.357145	-0.26185	0.218727	-0.16224	0.652663
AT3G06420	ATGH8	38.04493	87.42806	68.24568	162.4917	146.4053	152.5166	148.3137	110.0468	211.8454	78.68192	91.79304	71.47755	1.205666	0.000013	1.231612	0.000011	0.316125	0.560856
AT3G06430	EMB2750	613.4744	517.4313	557.5453	311.7862	351.1077	359.8595	439.3159	484.4216	524.2441	483.606	494.8842	545.9227	-0.72319	3.266208	-0.12739	3.266208	-0.14882	0.563694
AT3G06433	AT3G06433	104.6235	107.0548	86.27284	124.5495	102.02	86.72515	93.37687	100.3368	133.7457	94.99403	82.48071	96.33931	0.09082	0.754318	0.134958	0.651095	-0.1089	0.838414
AT3G06435	AT3G06435	16.26685	14.27397	15.150617	12.37247	6.624673	13.596618	15.32527	5.39445	16.59618	15.32527	17.29434	18.646362	-0.02701	0.967714	-0.11978	0.863085	0.517489	NA
AT3G06437	AT3G06437	14.26685	12.48972	10.30123	11.96005	17.22415	11.96209	5.335821	6.47334	13.66744	10.55489	10.64267	14.50269	0.134997	0.819272	-0.44773	0.493979	-0.04166	NA
AT3G06440	B3GALT16	254.4254	324.7328	240.7914	184.7622	197.4152	195.3808	242.7799	190.9635	178.653	254.2769	248.7725	250.6894	-0.48885	0.004735	-0.40043	0.030632	-0.10932	0.764628
AT3G06450	BOR3	357.8601	322.9485	343.8037	546.4506	486.9134	542.2814	490.0062	526.4983	419.7858	299.3751	263.4061	367.7468	0.608197	8.85E-05	0.475834	0.00368	-0.13541	0.675176
AT3G06455	AT3G06455	52.31177	66.0171	68.24568	51.55195	70.884	44.85784	52.46891	47.47116	73.21845	51.81492	61.19536	49.72351	-0.13543	0.689416	-0.09354	0.808033	-0.18668	0.748719
AT3G06460	AT3G06460	0	0	1.287654	0	0	0	0.889303	0	0	0	0	1.035907	-0.25385	NA	-0.05639	NA	-0.03516	NA
AT3G06470	AT3G06470	136.724	117.7602	132.6284	122.4874	139.1181	149.5261	118.2774	116.5201	146.4369	116.1038	125.0514	117.0574	0.06685	0.780586	-0.02833	0.917206	-0.11914	0.770425
AT3G06480	RH40	279.3924	231.952	200.8741	174.8642	133.1559	208.3397	173.4142	208.2258	133.7457	190.9476	250.1028	178.1759	-0.45413	0.06164	-0.45279	0.656746	-0.20057	0.656746
AT3G06483	PKD	3312.55	1577.273	1518.144	1328.391	1369.32	1421.495	1745.703	1689.542	1533.682	1547.731	1732.095	1489.634	-0.09597	0.49718	0.173083	0.204958	0.113396	0.617041
AT3G06490	MYB108	2.377808	5.352738	2.575309	7.635896	7.28714	14.95261	16.89677	8.63112	8.786214	1.919071	2.660668	0	1.11221	0.058102	1.301971	0.029613	-0.57179	NA
AT3G06500	INVC	517.1732	517.4313	544.6778	696.9823	691.6158	769.5611	1134.751	1184.621	941.1011	604.5074	570.7133	599.7899	0.44243	0.000554	1.033785	8.56E-18	0.166759	0.473723
AT3G06510	SFR2	853.633	943.8662	827.9617	791.0131	649.8804	660.9054	1093.843	1149.018	1006.51	851.1081	690.4433	871.1974	-0.31195	0.034616	0.305254	0.045314	-0.11622	0.681742
AT3G06520	AT3G06520	24.96698	21.41095	15.30123	12.37247	10.59948	12.95893	14.22886	11.86779	15.61994	13.4335	17.29434	19.68222	-0.57573	0.020164	-0.37625	0.464494	-0.14655	NA
AT3G06530	AT3G06530	589.6964	346.1437	426.2136	223.1168	259.6872	285.0965	293.4701	333.377	224.5366	379.9761	361.8508	419.5421	-0.81189	9.73E-05	-0.66349	0.002281	-0.22759	0.561641
AT3G06540	REP	198.547	158.7979	164.8198	251.1611	210.6646	238.2449	218.7687	250.3025	172.7955	134.335	150.3277	152.2783	0.089972	0.033343	0.282686	0.18785	-0.25928	0.443724
AT3G06545	AT3G06545	0	0	0	0	0	0	0.889303	0	0.959536	0	0	0	0	NA	0.13694	NA	0.147196	NA
AT3G06550	AT3G06550	640.8192	579.88	588.458	423.9632	396.8179	482.4709	411.7475	409.9782	281.1588	578.6	597.32	547.9946	-0.46895	0.00444	-0.70229	1.55E-05	-0.07004	0.852822
AT3G06560	PAP53	0	0	0	0	1.324935	0	0	0.976246	0.959536	1.330334	1.035907	0	2.1801	NA	0.15433	NA	0.532942	NA
AT3G06570	AT3G06570	86.78999	101.702	77.25926	63.512	69.55906	64.79465	71.14428	64.7334	99.57709	91.15588	83.81104	87.01615	-0.40184	0.096368	-0.15573	0.596875	-0.00613	0.992818
AT3G06580	GALL1	471.9949	458.5512	498.3222	516.3443	479.6263	467.5183	488.2276	458.5282	467.6218	393.4096	413.7339	448.5745	0.036178	0.819013	-0.05161	0.929713	-0.18652	0.366371
AT3G06590	BHLH148	293.6593	274.7739	275.558	223.9417	197.4152	170.4598	186.5737	172.6224	187.9322	296.4965	311.2981	241.3662	-0.49234	0.002884	-0.61472	0.000269	0.004825	0.992201
AT3G06600	AT3G06600	4.755616	7.136984	6.43872	3.71174	5.962205	7.974726	3.557214	0.976246	6.716749	2.660668	9.323159	0	-0.055	0.944745	-0.77689	0.24841	0.071635	NA
AT3G06610	AT3G06610	137.9129	164.1506	177.6963	252.3983	213.9769	190.3966	170.7463	169.3857	255.7765	202.462	133.0334	180.2477	0.445732	0.061456	0.303836	0.252431	0.108946	0.836577
AT3G06620	AT3G06620	260.37	292.6163	249.8040	76.7265	178.8662	261.1723	259.6766	294.537	221.6078	243.722	220.8354	209.2531	-0.2408	0.239564	-0.04535	0.86354	-0.24169	0.466622
AT3G06630	AT3G06630	19.02246	14.27397	15.45185	17.37387	9.274542	21.9305	16.00746	11.86779	3.904984	17.27164	14.63367	17.61041	-0.01529	0.980216	-0.05191	0.348421	0.016523	NA
AT3G06640	AT3G06640	26.15589	14.27397	12.87654	7.42348	9.274542	13.95577	5.335821	8.63112	3.904984	13.4335	17.29434	17.61041	-0.74902	0.011497	-1.30934	0.008006	-0.14242	NA
AT3G06650	ACL-1	1438.574	1407.77	1430.584	894.5264	865.8447	1007.806	933.7687	1026.024	639.4411	1485.361	1420.797	1188.185	-0.61615	0.000355	-0.7043	0.000046	-0.06184	0.879636
AT3G06660	AT3G06660	149.8019	121.3287	132.6284	205.383	188.8032	179.4313	136.9527	131.6246	147.4131	124.7396	142.3457	142.9551	0.494957	0.004058	0.032959	0.897517	0.008488	0.987638
AT3G06665	AT3G06665	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0.0	NA	0.0	NA
AT3G06670	AT3G06670	722.8536	674.445	692.758	575.7321	493.5381	587.1392	606.505	706.6729	508.6242	679.3512	562.7313	659.8725	-0.33178	0.037389	-0.19689	0.272555	-0.13277	0.657295
AT3G06680	RPL29B	60.6341	42.8219	57.94445	70.11065	78.83361	55.82308	42.68657	38.84004	68.60085	52.77446	53.21336	94.26749	0.30904	0.449705	0.134333	0.782174	0.276561	0.695023
AT3G06690	AT3G06690	90.3567	67.80135	95.28642	104.3411	114.6068	105.6651	96.04478	107.889	87.86214	68.12703	66.5167	78.7289	0.330377	1.137608	0.177997	0.500212	-0.25402	0.528954
AT3G06700	RPL29A	325.7597	267.6369	302.5988	516.5767	506.7875	335.9353	277.4627	221.1724	632.6074	402.0544	556.0796	534.5278	0.561383	0.087754	0.311968	0.40555	0.684599	0.133779
AT3G06710	AT3G06710	15.45575	7.136984	19.31482	11.96005	19.21155	8.971567	8.893035	17.26224	15.92492	12.47396	10.64267	9.323159	-0.07133	0.908346	0.064475	0.925216	-0.33449	NA
AT3G06720	IMPA1	599.2076	524.5683	481.5827	390.1451	396.8179	407.7079	410.8582	499.526	474.4556	373.2594	383.1362	414.3626	-0.42409	0.002006	-0.21377	0.17192	-0.45106	0.011195
AT3G06730	CITRX	240.1586	314.0273	293.5825	313.0234	293.473	250.207	286.3557	251.3814	376.831	318.5658	437.6799	250.6894	0.021369	0.946984	-0.096612	0.717665	0.239007	0.567708
AT3G06740	GATA15	159.3131	146.3082	166.1074	174.4518	205.3649	146.5356	144.9565	101.4157	194.273	229.329	297.9948	161.6014	0.151389	0.638735	-0.09411	0.797798	0.514769	0.203688
AT3G06750	AT3G06750	227.0807	230.1677	213.7506	119.1881	104.6698	100.6809	81.81592	84.15342	87.86214	240.8434	333.9138	168.2014	-1.00251	1.01E-05	-1.34572	5.32E-09	0.124951	0.803737
AT3G06760	DI19-4	219.9472	192.6986	193.1482	257.3473	262.9995	220.3018	178.75	176.938	170.8691	202.462	212.8534	208.2172	0.288077	0.084167	-0.09914	0.639158	0.03522	0.933182
AT3G06770	AT3G06770	155.9843	397.8869	479.0704	138.984	181.516	187.4061	145.8458	129.4668	200.1304	445.2245	482.9112	408.1472	-1.43207	3.8E-15	-1.52126	3.85E-16	-0.06282	0.889818
AT3G06778	AT3G06778	13.07794	16.05821	18.02716	13.1973	16.16168	3.987363	16.00746	5.39445	10.73871	43.2235	14.63367	9.323159	-0.34716	0.355072	-0.43132	0.465199	-0.27657	NA
AT3G06780	AT3G06780	135.535	173.0719	155.8062	145.1703	131.1685	148.5293	128.949	168.3068	217.7029	177.5141	135.6941	154.3501	-0.11895	0.65628	0.149393	0.587819	0.021258	0.97247
AT3G06790	MORF3	92.73451	89.2123	88.84815	151.7689	152.3675	100.6809	120.056											

AT3G07250	AT3G07250	4.755616	3.568492	5.150617	4.124156	6.624673	3.987363	7.114428	3.23667	4.88123	5.757214	1.330334	2.071813	0.084654	0.91501	0.124868	0.881025	-0.32609	NA	
AT3G07260	FHA1	33.28931	41.03766	36.05432	37.94223	36.4357	36.88311	39.12935	26.97225	56.62227	33.58375	14.63367	22.78994	0.023506	0.959909	0.157173	0.727145	-0.54165	0.353829	
AT3G07270	GCH1	401.8495	310.4588	280.7086	251.9859	292.8105	298.5505	310.3669	397.0315	47.52021	265.7914	266.0668	269.3357	-0.23765	0.267419	0.238786	0.286061	-0.40492	0.239691	
AT3G07273	AT3G07273	38.04493	33.90067	60.51975	44.9533	55.64725	49.84204	78.25871	51.78672	47.83605	48.93632	41.24035	40.40035	0.152453	0.678625	0.392506	0.255276	-0.02981	0.97247	
AT3G07274	AT3G07274	102.2457	92.78079	86.27284	99.39215	114.6068	124.6051	116.4988	132.7035	142.5319	118.0229	125.0514	98.41112	0.243338	0.283702	0.459813	0.036125	0.264212	0.474444	
AT3G07280	AT3G07280	312.6817	289.0479	234.3531	258.5846	306.7223	327.9606	392.1828	347.574	228.3695	547.674	228.6959	272.7185	245.5098	0.088398	0.732248	0.056866	0.003359	-0.16096	0.694983
AT3G07290	AT3G07290	22.58917	8.92123	20.60247	17.73387	11.26194	11.96209	15.11816	19.42002	13.66744	26.867	21.28534	26.93357	-0.31968	0.500065	-0.14837	0.7933	-0.437551	0.550622	
AT3G07300	AT3G07300	271.0701	306.8903	262.6815	298.5889	312.6846	318.899	309.4776	276.1958	239.1803	252.5739	172.9434	250.6884	-0.14605	0.477883	-0.02153	0.933387	-0.29557	0.310967	
AT3G07310	AT3G07310	1046.235	1027.726	994.0692	606.6633	712.8148	581.1582	782.5871	690.4896	902.0513	994.0789	1172.024	883.6283	-0.67913	5.81E-06	-0.36294	0.026979	-0.00995	0.983067	
AT3G07320	AT3G07320	177.1467	126.6815	117.1765	103.1039	91.42048	107.6588	86.26244	87.39009	78.09968	156.4043	115.7391	84.94434	-0.46734	0.067507	-0.71704	0.005181	-0.2306	0.62176	
AT3G07330	CSLC6	331.7042	346.1437	272.9827	209.9195	206.6898	255.1912	233.8868	276.1958	179.6293	264.8318	272.7185	252.7612	-0.49533	0.00282	-0.45153	0.02616	-0.25861	0.616806	
AT3G07340	BHLH62	203.3026	205.1883	197.0111	135.6847	176.8788	220.3018	111.1629	89.54786	107.3871	196.7048	305.9768	165.745	-0.18633	0.520793	-0.92939	0.000206	0.131229	0.805717	
AT3G07350	AT3G07350	130.7794	133.8185	135.2037	132.7978	131.831	175.444	136.9527	126.2301	132.7695	177.5141	180.9254	133.6319	0.121407	0.609455	-0.01221	0.966292	0.289483	0.387595	
AT3G07360	PUB8	1008.191	1090.174	1059.74	621.0979	631.9938	766.5706	541.5858	559.9439	660.9185	980.6454	1060.276	1013.117	-0.64116	4.42E-07	-0.83075	5.62E-11	-0.04743	0.879014	
AT3G07370	CHIP	127.2127	119.5445	149.3679	236.7265	227.8887	218.3081	269.4559	223.3302	250.8952	97.82653	170.2827	123.2729	0.761547	0.000123	0.880376	9.88E-06	-0.03696	0.948116	
AT3G07380	AT3G07380	3.566712	3.568492	3.862963	1.649662	2.649869	2.990522	0	1.07889	2.928738	6.716749	7.982004	1.035907	-0.37427	0.617525	-0.73058	0.315587	0.334169	NA	
AT3G07390	AIR12	457.728	428.219	346.379	457.3689	425.304	391.7584	346.8284	345.2448	585.7476	393.4096	411.0732	310.772	0.049058	0.867293	0.051101	0.870469	-0.14006	0.763527	
AT3G07400	AT3G07400	247.292	255.1472	234.3531	183.5249	171.579	181.425	193.8682	213.6202	148.3894	220.6932	235.4691	273.4793	-0.44642	0.01072	-0.39794	0.03292	-0.01151	0.982716	
AT3G07410	RABA5B	89.1678	90.99655	104.3	125.8764	152.3675	118.6241	96.04478	86.3112	125.9357	133.3755	106.4267	117.0574	0.466343	0.035981	0.111097	0.705024	0.319764	0.339183	
AT3G07420	SVNC2	70.14533	57.09587	68.24568	41.65397	39.74804	40.87047	50.69093	34.52448	34.16861	62.36982	62.5257	42.42717	-0.65256	0.016088	-0.67583	0.019572	-0.22652	0.667115	
AT3G07425	AT3G07425	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	NA	NA	
AT3G07430	emb1990	599.2076	415.7293	477.7198	340.6553	388.2058	346.9006	353.9428	360.3492	700.9446	454.8199	458.9652	459.9425	-0.45642	0.074933	-0.07617	0.821205	-0.11754	0.831469	
AT3G07440	AT3G07440	55.87849	74.93833	47.64321	77.12171	68.23413	60.80729	56.02612	63.65451	69.31347	72.92471	77.15937	62.15439	0.236634	0.400315	0.098172	0.776278	0.257124	0.585296	
AT3G07450	AT3G07450	1.188904	3.568492	2.575309	0	1.987402	0	1.778607	0	0	5.757214	1.330334	1.035907	-0.64935	0.339262	-0.623	0.37916	0.135513	0	
AT3G07460	AT3G07460	1305.417	1602.253	1627.595	980.7242	1203.703	1220.133	119.667	1142.544	1710.383	1470.968	1520.572	1573.542	-0.16093	0.458061	-0.16093	0.458061	0.009967	0.984933	
AT3G07470	AT3G07470	746.6317	854.6538	885.9062	762.5564	893.6684	825.3842	742.5684	787.5897	1176.376	855.9058	880.6811	906.4182	-0.00308	0.990404	0.120008	0.598999	0.08646	0.831662	
AT3G07480	AT3G07480	537.3846	556.6848	565.2803	756.7826	831.3964	553.2466	508.6168	465.0016	861.049	670.7154	860.7621	570.7845	0.355117	0.178264	0.130005	0.658999	0.32649	0.436537	
AT3G07490	CM13	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT3G07500	AT3G07500	22.58917	21.41095	24.46543	25.15735	22.52389	24.92102	20.45398	16.18335	29.28738	24.94793	23.94601	29.00538	0.072993	0.874443	-0.05118	0.920981	0.168638	0.83622	
AT3G07510	AT3G07510	70.14533	46.3904	50.21852	51.55195	56.30972	50.83888	34.68284	48.55005	61.5035	41.26003	41.24035	51.79533	-0.8096	0.823846	-0.2131	0.550519	-0.30686	0.565661	
AT3G07520	GLR1.4	147.4241	171.2876	123.6148	380.6596	372.3066	407.7079	263.2338	248.1447	202.0829	106.5085	95.78405	90.12387	1.375214	3.65E-17	0.686003	0.000124	-0.56746	0.026356	
AT3G07522	AT3G07522	0	0	0	0.412416	0	0	1.778607	2.15778	0	0.995936	0	1.035907	0.014959	NA	0.64295	NA	0.353993	NA	
AT3G07525	ATG10	47.55616	49.95889	48.30886	70.52306	73.53387	72.76938	41.79726	65.81229	49.78855	39.34096	42.57069	46.61579	0.545943	0.036162	0.091185	0.803597	-0.17795	0.754541	
AT3G07530	AT3G07530	48.74056	39.25349	50.12852	55.6761	51.67245	53.8294	58.69403	49.62894	28.31111	42.21957	58.53469	32.1131	0.20024	0.583596	-0.02347	0.958729	-0.07888	0.920203	
AT3G07540	FH10	368.5602	256.9314	216.3259	90.31901	106.6572	96.69356	138.7313	121.9146	119.102	216.8551	210.1928	232.0431	-1.4833	2.69E-14	-1.1856	2.44E-08	-0.34711	0.290228	
AT3G07550	FB12	148.613	173.0719	173.8333	145.5827	147.0677	161.4882	174.3035	190.9635	120.0783	189.9881	199.5501	194.7154	-0.12394	0.594496	-0.02685	0.92418	0.234966	0.498675	
AT3G07560	PEX13	970.1456	988.4723	844.7012	891.6425	794.9607	890.1788	733.6754	897.6364	1296.6167	751.3164	764.942	638.11804	-0.11901	0.453642	-0.20478	0.187124	-0.37493	0.432323	
AT3G07565	AT3G07565	178.3356	139.1168	181.5593	197.9595	247.1003	201.3618	229.4403	254.618	219.6553	186.1499	203.5411	161.6014	0.35401	0.059935	0.473032	0.012364	0.152328	0.743663	
AT3G07568	AT3G07568	76.08985	69.5856	96.57408	142.6958	165.6168	121.6146	92.48756	86.3112	180.6055	103.6298	102.4357	146.0628	0.7767	0.008109	0.528551	0.101846	0.520005	0.286759	
AT3G07570	AT3G07570	90.3266	98.13353	91.42346	151.3565	135.8058	142.5482	119.1667	92.78453	119.102	62.36982	69.17737	59.04667	0.613281	0.001655	0.244887	0.303977	-0.53718	0.800487	
AT3G07580	AT3G07580	19.0546	30.33218	27.04704	95.268	79.49607	66.78833	50.6903	61.49673	68.51803	21.10978	21.28534	20.71813	1.586448	1.39E-07	1.300207	3.83E-05	-0.23231	0.715589	
AT3G07590	AT3G07590	20.21137	35.68492	24.46543	56.50093	51.67245	51.83572	23.12189	28.05114	64.43224	25.90746	15.96401	27.96948	0.925133	0.015943	0.488792	0.273836	-0.14252	0.879034	
AT3G07600	AT3G07600	3.566712	1.784246	2.575309	9.897974	7.949607	5.981045	1.778607	3.23667	10.73871	0	3.991002	1.035907	1.032211	0.1061	0.554213	0.455215	-0.38482	NA	
AT3G07610	JMJ25	281.7702	228.3835	216.3259	181.4629	178.2037	191.305	232.1082	244.908	173.7118	183.2713	170.2827	154.4327	-0.15899	0.106216	-0.15899	0.106216	-0.34693	0.263611	
AT3G07620	AT3G07620	1.188904	0	0	0.412416	0.662467	0	0	0	0	0	0	0	0.007276	NA	-0.22716	NA	-0.22076	NA	
AT3G07630	ADT2	209.2471	215.8938	230.4901	235.0769	264.9869	203.3555	339.7139	290.2214	293.85	189.0285	194.2288	226.8635	0.012535	0.600253	0.487593	0.004002	-0.10116	0.781064	
AT3G07640	AT3G07640	117.7015	126.6815	149.3679	211.1568	228.5512	203.3555	296.1381	288.0636	350.4723	162.1615	178.2648	188.353	0.692706	0.000041	1.222268	4.89E-14	0.412652	0.113587	
AT3G07650	COL9	38.04493	57.09587	54.08148	209.0947	188.8032	288.087	310.833	1388.531	1291.573	67.16749	69.17737	66.29802	2.112574	2.3E-24	4.618182	1.1E-118	-0.420691	0.282188	
AT3G07660	AT3G07660	413.7386	239.089	260.1062	195.8974	204.0399	206.346	232.9975	237.3558	234.299	240.3811	248.7725	244.4739	-0.58457	0.003886	-0.37203	0.904829	-0.38828	0.217892	
AT3G07670	AT3G07670	471.9949	426.4348	44																

AT3G08660	AT3G08660	124.8349	99.91778	86.27284	12.37247	14.57428	13.95577	9.782338	12.94668	13.66744	90.19635	61.19536	71.47755	-2.76794	1.01E-23	-2.87229	2.03E-21	-0.45511	0.277049
AT3G08670	AT3G08670	309.115	230.1677	234.3531	104.3411	98.04516	129.5893	111.1629	115.4412	112.0046	172.7164	163.6311	140.8833	-1.20415	3.48E-10	-1.29409	5.58E-11	-0.68395	0.00712
AT3G08680	AT3G08680	523.1177	396.1026	404.3235	262.2963	211.3271	259.1786	233.8868	226.5669	197.2016	820.8135	450.9832	365.675	-0.84051	3.02E-07	-0.99244	2.41E-09	-0.08908	0.11615
AT3G08690	UBC11	236.5919	253.3629	231.7778	477.1648	514.0746	431.6321	473.1095	351.7181	441.2632	323.3635	385.7969	260.0125	0.961747	2.75E-08	0.796261	8.32E-06	0.412848	0.128698
AT3G08700	UBC12	0	0	0	0.824831	1.324935	0.996841	0.889303	0	0.972646	0	0	0	0.608733	NA	0.352533	NA	0	NA
AT3G08710	TRX9	164.0687	187.3458	159.6691	270.5446	286.8483	236.2513	260.5659	247.0658	341.6861	155.4448	171.6131	112.9138	0.626837	0.001644	0.719209	0.000341	-0.21021	0.590149
AT3G08720	ATPK2	76.08985	89.2123	74.68395	343.9546	374.9565	445.5878	444.6517	482.2638	440.2869	75.80331	69.17737	43.50807	2.219943	2.84E-32	2.451361	0.66E-39	-0.32821	0.402154
AT3G08730	ATPK1	695.5088	745.8148	733.9633	775.3413	870.482	760.5895	594.944	578.285	521.3154	742.6806	775.5847	668.1597	0.146293	0.281256	-0.35518	0.002436	0.007338	0.983949
AT3G08740	AT3G08740	1759.578	1951.965	2165.835	2173.842	2045.699	1743.475	2090.752	1902.083	2619.268	2619.532	3102.339	2167.116	0.021305	0.931621	0.166596	0.439952	0.415644	0.101358
AT3G08750	AT3G08750	1.188904	0	1.287654	0	0	0	0	0	0	1.919071	0	0	-0.46467	NA	-0.42844	NA	-0.06353	NA
AT3G08760	ATSIK	247.292	265.8527	215.0383	334.0566	284.8609	361.8532	414.4154	475.7905	373.9022	196.7048	180.9254	181.2836	0.423735	0.011567	0.785611	8.8E-07	-0.37676	0.156154
AT3G08762	AT3G08762	0	0	0	0	0	0	0	1.07889	0	0	0	0	0.00000	NA	0.16673	NA	0	NA
AT3G08770	LTP6	250.8587	272.9896	269.1198	432.2115	500.8253	335.9353	219.658	186.648	347.5436	346.3924	287.3521	380.1777	0.657881	0.004923	-0.0688	0.834365	0.344283	0.380116
AT3G08780	AT3G08780	161.6909	128.4657	154.5185	180.638	178.2037	196.3776	154.7388	133.7824	195.2492	133.3755	148.9974	110.842	0.300845	0.152732	0.113141	0.668184	-0.18677	0.628866
AT3G08790	AT3G08790	0	1.784246	1.287654	0	0	0.996841	0.889303	1.07889	0	0	0	0	-0.37168	NA	-0.12402	NA	-0.28489	NA
AT3G08800	SIEL	80.84547	85.64381	82.40988	56.91335	47.69764	57.81677	68.47637	83.07453	46.85981	91.15588	70.5077	75.62118	-0.58942	0.019796	-0.31463	0.279758	-0.05619	0.928827
AT3G08810	AT3G08810	0	0	0	0.412416	0.662467	0.996841	0	1.07889	0	0	0	0.207183	0.351905	NA	0.16379	NA	0.355257	NA
AT3G08820	PCMP-H84	14.26685	3.568492	10.30123	10.31039	11.26194	12.95893	8.893035	10.7889	19.52492	13.4335	9.312338	10.35907	0.165585	0.786595	0.333531	0.58207	0.142193	NA
AT3G08840	AT3G08840	313.8706	342.5752	312.9	204.1457	196.7528	219.305	295.2488	298.8525	191.3442	425.0743	327.2622	381.2136	-0.62947	0.000782	-0.29436	0.169357	0.226008	0.50127
AT3G08850	RAPTOR1	968.9567	779.7155	721.0864	405.8169	347.7953	491.4425	455.3234	597.705	291.8976	627.5363	560.0706	547.9946	-0.95535	0.000204	-0.84672	0.000264	-0.49098	0.1573
AT3G08860	PYD4	21.40027	17.84246	18.02716	35.88015	37.09817	37.87995	8.007313	16.18335	9.76246	25.90746	35.91902	33.14901	0.872833	0.012884	-0.68877	0.113623	0.647521	0.252117
AT3G08870	LECRK1	63.0191	90.99965	70.82099	121.2502	131.1685	147.5324	171.4428	70.12785	59.55101	50.85539	50.55269	51.79533	0.821834	0.000101	-0.13684	0.649078	-0.50961	0.15912
AT3G08880	AT3G08880	105.8125	135.6027	118.4642	190.9484	204.0399	197.3745	187.643	137.019	195.2492	200.5429	206.2018	154.3501	0.707949	0.000317	0.528239	0.012764	0.629408	0.016156
AT3G08885	AT3G08885	15.45575	17.136984	16.73951	70.11065	6.637271	10.96525	2.66791	6.47334	1.952492	16.31211	21.28534	15.5386	-0.72796	0.160553	-1.41754	0.080017	0.34228	NA
AT3G08890	AT3G08890	114.1348	121.3282	140.3543	138.1592	156.3423	121.6146	119.1667	81.99564	146.4369	122.8206	138.3547	147.0987	0.146324	0.586441	-0.1054	0.729869	-0.18677	0.82263
AT3G08900	RG3	0	0	0	1.237247	0.662467	0.996841	2.66791	1.07889	1.952492	0.99536	0	0.207183	0.478264	0.476765	0.88822	0.165241	0.512756	NA
AT3G08910	AT3G08910	87.97889	87.42806	69.53333	102.0129	121.2315	110.6493	77.3694	91.70564	144.4844	82.52006	61.19536	97.37521	0.504734	0.064602	0.340669	0.266428	-0.01096	0.989156
AT3G08920	STR10	312.6817	437.1403	374.7074	289.9281	247.7628	236.2513	260.5659	270.8014	375.2547	373.2594	292.6735	371.8904	-0.51535	0.010017	-0.29665	0.186673	-0.10457	0.807804
AT3G08930	AT3G08930	821.5326	681.582	706.9222	602.1267	608.8074	658.9118	576.2687	583.6795	525.8203	650.5652	532.1336	613.2567	-0.24341	0.079764	-0.38969	0.004302	-0.29581	0.131376
AT3G08940	LHC4.2	18312.69	21869.5	20218.75	8188.924	7728.343	7206.162	5535.914	5701.933	6153.279	18617.87	15513.02	17319.32	-1.37207	1.8E-36	-1.77949	7.48E-61	-0.22901	0.208996
AT3G08943	AT3G08943	373.3158	249.7944	289.7222	206.2078	223.2515	250.207	180.5286	215.778	205.0117	242.7625	255.4241	242.4001	-0.4325	0.015208	-0.60042	0.000082	-0.30538	0.281585
AT3G08947	AT3G08947	141.4796	112.4075	95.28642	59.38784	57.63465	74.76306	61.36194	66.89118	58.57476	118.9824	67.84071	80.80071	-0.8445	0.000695	-0.86704	0.000824	-0.35904	0.404471
AT3G08950	HCC1	58.25629	53.52738	66.95803	113.4143	112.6194	133.5767	138.7313	101.4157	127.8882	58.53167	61.19536	84.94434	0.954699	2.85E-05	0.997751	1.84E-05	0.179113	0.723839
AT3G08960	AT3G08960	55.1613	319.38	293.5852	245.3873	215.9643	247.2165	281.1999	295.6158	194.273	328.6112	296.6645	335.6337	-0.5784	0.005327	-0.46006	0.037418	-0.15009	0.719598
AT3G08970	ERDJ3A	19.02246	23.1952	30.9037	415.3025	433.9161	424.6542	323.7065	305.3259	254.8002	14.39303	27.93701	25.89766	3.943953	1.83E-65	3.423542	1.56E-48	-0.13529	0.849275
AT3G08980	AT3G08980	14.26685	12.48972	21.89012	23.2921	17.22415	18.93997	24.9005	17.26224	28.31113	23.98839	30.59768	26.93357	0.263995	0.561019	0.46118	0.30634	0.637485	0.304667
AT3G08990	AT3G08990	285.5369	14.27397	39.91728	51.55195	51.00998	45.85468	31.12562	25.89336	47.83065	34.54328	21.28534	31.0772	0.748589	0.03274	0.276638	0.562277	0.042271	0.956566
AT3G09000	AT3G09000	146.2352	140.9554	153.2309	157.5427	119.9066	154.5103	147.6244	132.7035	103.4821	154.4852	155.6491	106.6984	-0.02835	0.924222	-0.19277	0.474807	-0.08161	0.874312
AT3G09010	AT3G09010	58.25629	60.66437	48.93086	158.78	151.0425	156.504	154.7388	154.2813	119.102	38.38143	35.91902	55.89766	1.436466	8.3E-12	1.313015	1.25E-09	-0.69695	0.053578
AT3G09020	AT3G09020	84.41218	121.3282	86.27284	348.0787	398.1428	408.7047	528.2463	455.2916	530.1116	42.21957	71.83803	85.98024	1.935138	1.27E-21	2.318363	9.93E-31	-0.51353	0.154212
AT3G09030	AT3G09030	140.2907	164.1506	141.642	150.5371	135.8058	119.6209	135.1741	169.124	142.5019	110.3466	86.47171	102.5547	-0.11242	0.619712	-0.01219	0.946264	-0.54401	0.039616
AT3G09032	AT3G09032	14.26685	1.784246	5.150617	14.02213	25.83622	14.95261	15.11816	18.34113	26.35864	6.716749	9.312338	7.251346	1.026994	0.040345	1.128825	0.029065	0.002247	NA
AT3G09035	AT3G09035	211.6249	171.2876	199.5864	148.882	162.9669	170.4598	131.6169	183.4113	204.0354	160.2424	190.2378	164.7019	-0.27739	0.188975	-0.1718	0.476528	-0.18325	0.625371
AT3G09040	PCMP-E88	24.96698	32.11643	32.19136	23.2901	15.89921	34.88943	30.23632	28.05114	14.64369	28.2928	25.27635	30.104129	-0.25139	0.566886	-0.25294	0.596058	-0.14444	0.869018
AT3G09050	AT3G09050	480.3172	506.7259	504.7605	555.5238	582.3087	463.531	753.24	693.7262	873.7402	632.334	655.8546	681.6265	0.105704	0.530375	0.630268	4.43E-06	0.39634	0.037283
AT3G09060	AT3G09060	21.40027	19.62671	21.89012	14.84696	12.58688	27.91154	16.00746	23.73558	10.73871	14.39303	14.63367	18.64632	-0.21056	0.676303	-0.28958	0.538774	-0.34892	0.675201
AT3G09070	AT3G09070	115.3237	62.44861	78.54691	89.08176	61.60946	57.81677	59.58333	81.99564	93.71962	76.76285	66.5167	83.90843	-0.28052	0.379458	-0.13577	0.717902	-0.17641	0.768619
AT3G09080	AT3G09080	5.94452	10.70548	7.275926	6.186234	5.962205	7.974726	13.33955	5.39445	5.857476	10.55489	5.321336	14.50269	-0.21508	0.745124	0.053718	0.943608	0.031752	NA
AT3G09085	AT3G09085	34.8721	24.97944	36.05432	48.66504	60.28452	47.84836	45.35448	30.20892	92.74337	24.94793	39.91002	55.93895	0.624641	0.128394	0.717113	0.089776	0.281375	0.723696
AT3G09090	DEX1	536.1957	496.0204	467.4185	381.072	327.9													

AT3G09590	AT3G09590	2.377808	3.568492	2.575309	0.412416	0.662467	0	0	0	0	0	0	1.330334	0	-1.03744	0.086834	-1.27046	0.028782	-0.99246	NA
AT3G09595	AT3G09595	0	1.784246	0	0.412416	0	0	0	0	0	0	0	0	0	-0.18187	NA	-0.25798	NA	0.091448	NA
AT3G09600	RVE8	160.502	187.3458	178.984	197.5471	179.5286	189.3997	83.59453	65.81229	41.97858	159.2829	148.9974	141.9192	0	0.109636	0.655177	-1.40146	1.15E-11	-0.25114	0.569665
AT3G09620	RH45	3.566712	3.568492	1.287654	1.237247	0.662467	0.996841	2.66791	1.07889	0.976246	2.878607	0	0.2071813	0	-0.69483	0.320499	-0.37787	0.636219	-0.32062	NA
AT3G09630	RPL4A	2591.811	2137.527	2101.452	1561.818	1701.878	1593.948	1330.398	1624.808	1870.487	1659.037	1728.104	1793.154	0	-0.48555	0.000919	-0.49518	0.000872	-0.39406	0.050531
AT3G09640	APX2	0	0	0	0.824831	0	0	0	0	0.972646	0	0	0	0	0.985671	NA	0.325206	NA	0	NA
AT3G09650	HCF152	363.8046	265.8527	238.2161	204.5581	167.6042	216.3144	263.2338	336.6137	262.6102	238.9244	219.5051	238.2585	0	-0.55297	0.005135	-0.01474	0.958279	-0.11261	0.335661
AT3G09660	MC8M	42.80054	30.33218	38.62963	25.56977	23.18635	25.91786	31.12562	32.3667	14.64369	44.13864	39.91002	45.57989	0	-0.45982	0.101271	-0.49439	0.187617	-0.39013	0.779682
AT3G09670	AT3G09670	152.1797	148.0924	132.6284	120.4253	102.02	126.5988	134.2848	155.3602	125.9357	136.2541	148.9974	147.0987	0	-0.30677	0.112992	-0.05914	0.817077	-0.003	0.995624
AT3G09680	RPS2A	49.93397	53.27388	68.24568	58.1506	74.8588	76.75674	55.13682	60.41784	70.28971	60.45074	45.23135	41.43626	0	0.259938	0.378479	0.104908	0.77281	-0.20631	0.708209
AT3G09690	AT3G09690	140.2907	103.4863	140.3543	110.5274	110.632	120.6177	97.82338	124.0723	85.90965	104.5894	107.7571	155.386	0	-0.17745	0.500978	-0.32291	0.217769	-0.06875	0.889957
AT3G09700	TIM14-2	38.04493	51.74313	36.05432	97.74249	104.0074	79.74726	71.14428	65.81229	74.1947	47.97678	25.27635	51.79533	0	1.135372	1.55E-05	0.726485	0.012423	0.032707	0.967935
AT3G09710	IDQ1	66.57862	60.66437	68.24568	39.17948	48.36011	43.86099	32.90423	52.86561	27.33489	48.93632	67.84703	66.29802	0	-0.55523	0.052579	-0.76305	0.010728	-0.10085	0.877948
AT3G09720	RH57	112.9459	94.56504	128.7654	122.8474	129.8436	147.5324	120.9453	152.1235	113.2445	106.5085	111.7481	103.5907	0	0.22295	0.317508	0.179935	0.469679	-0.07475	0.87843
AT3G09730	AT3G09730	40.42273	28.54794	42.49259	40.00431	35.77323	38.87679	39.12935	36.68226	30.26363	36.46235	39.91002	35.22082	0	0.019782	0.960494	-0.0877	0.832277	-0.02498	0.976969
AT3G09735	S1FA3	114.1348	108.839	135.2037	360.8636	349.7827	235.2544	185.8644	149.9657	388.5459	90.19635	89.13238	164.7091	0	1.297504	0.50E-05	0.93623	0.005748	-0.05411	0.951963
AT3G09740	SYPT1	684.8087	717.2669	821.5235	906.4894	1008.938	818.4063	821.7164	759.5385	913.7663	745.5592	863.3867	787.289	0	0.295323	0.042127	0.163916	0.323718	0.104508	0.714095
AT3G09750	AT3G09750	0	0	0	1.237247	0	0	0	0	0	0	0	0	0	0.221999	NA	0	NA	0	NA
AT3G09760	AT3G09760	246.1031	199.8356	194.4358	167.4407	139.7806	173.4503	197.4254	169.3857	147.4131	179.4332	176.9344	157.4578	0	-0.41143	0.028953	-0.31204	0.13101	-0.3158	0.29285
AT3G09770	LOG2	359.049	303.3218	275.558	233.8396	221.2641	238.2449	214.3221	263.2491	277.2539	327.2016	321.9408	311.8079	0	-0.43261	0.006792	-0.31315	0.072589	0.031757	0.938392
AT3G09780	CCR1	32.10041	21.41095	32.19136	9.485558	6.624673	12.95893	11.56005	12.94668	13.66744	29.7456	38.57969	40.40035	0	-1.45221	0.801E-05	-1.06539	0.007094	0.300299	0.658697
AT3G09790	UBQ8	5.94452	21.41095	9.31358	30.939117	25.17376	24.92102	12.42505	17.26224	6.833722	13.4335	5.321336	11.39497	0	1.081737	0.018088	0.056274	0.93424	-0.12975	NA
AT3G09800	AT3G09800	96.30122	126.6815	149.3679	105.9908	120.569	103.6714	114.7201	94.94231	102.5058	147.7685	178.2648	154.3501	0	-0.16288	0.500005	-0.23937	0.335246	0.357911	0.274581
AT3G09810	IDH6	205.6804	201.6198	203.4494	292.4026	272.274	310.0175	262.3445	213.6202	206.9642	144.8899	121.0604	188.535	0	0.505569	0.005601	0.159072	0.484434	-0.16918	0.148892
AT3G09820	ADK1	1695.377	1409.554	1582.527	907.3143	880.419	892.1725	775.4726	876.0586	841.524	1707.973	1823.888	1598.404	0	-0.80159	9.17E-14	-0.90585	6.23E-17	-0.42030	0.545129
AT3G09830	AT3G09830	154.5575	226.5992	217.6136	400.4555	387.5434	424.6542	329.0423	383.0059	407.0946	118.9824	147.6671	109.8601	0	1.005399	4.59E-09	0.891527	3.95E-07	-0.65026	0.007429
AT3G09840	CD48A	3886.527	3209.859	2621.664	2863.814	2892.322	3356.363	310.728	3845.164	3306.545	2639.683	2902.789	2451.734	0	-0.09186	0.651606	-0.07571	0.73103	-0.28358	0.281545
AT3G09850	AT3G09850	721.6647	611.9964	520.2124	375.7106	327.9213	400.73	401.0759	554.5494	437.3582	545.0162	591.9986	529.3482	0	-0.73515	1.21E-05	-0.40686	0.02672	-0.15262	0.646818
AT3G09860	AT3G09860	569.485	581.6642	706.9222	948.1434	1006.95	822.3936	773.694	644.0973	1181.258	527.3268	703.7467	838.0484	0	0.563023	0.008273	0.469412	0.036874	0.279327	0.446596
AT3G09863	AT3G09863	5.94452	1.784246	7.725926	13.1973	13.24935	9.968408	8.003731	4.31556	14.64369	6.762825	13.30334	11.39497	0	0.90265	0.095988	0.529305	0.404113	0.718594	NA
AT3G09870	AT3G09870	0	1.784246	0	0.860727	10.59948	7.974726	16.00746	11.86779	26.35864	1.919071	5.321336	7.251642	0	1.851485	0.001141	2.688656	1.04E-06	1.128454	NA
AT3G09880	B'BETA	234.2141	212.3253	226.6272	185.1746	174.2289	206.346	224.1045	213.6202	199.1542	202.462	218.1748	219.6122	0	-0.25826	0.107407	-0.08208	0.681985	-0.07705	0.822513
AT3G09890	AT3G09890	67.76752	90.99655	77.25926	109.7025	114.6068	109.6525	72.03358	87.39009	43.5082	52.77446	57.20436	71.47755	0	0.488988	0.080275	0.351773	0.257887	-0.34786	0.481893
AT3G09900	RABE1E	357.8601	403.2396	436.5148	594.7033	591.5833	553.2466	616.2873	534.0505	614.0587	365.831	404.4215	418.5062	0	0.535689	4.07E-05	0.553689	3.92E-05	-0.01082	0.978400
AT3G09910	RAB2CB	43.98945	26.76369	43.78025	49.07745	66.24673	46.85152	56.02612	44.23449	67.36097	47.01725	54.54369	43.50807	0	0.447041	0.151446	0.492487	0.133366	0.284308	0.615915
AT3G09915	AT3G09915	0	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G09920	PIP5K9	500.5286	444.2773	419.7753	284.5667	288.8357	306.0301	300.5846	318.2725	262.6102	366.5426	311.2981	400.8958	0	-0.62897	1.33E-05	-0.62341	2.7E-05	-0.33182	0.134038
AT3G09922	IP51	2.377808	0	0	0.412416	0	0	1.778607	2.15778	1.952492	0	0	0	0	-0.44622	0.490915	0.446801	0.514475	-0.07179	NA
AT3G09925	AT3G09925	0	1.784246	0	0.412416	0	0	0	0	0	0	0	0	0	-0.15186	NA	-0.24242	NA	-0.23806	NA
AT3G09930	AT3G09930	0	1.784246	0	0	0	0	0.889303	0	0	0	0	0	0	-0.26522	NA	-0.08117	NA	-0.24296	NA
AT3G09940	MDHAR	21.40027	26.76369	20.60247	273.4315	210.0021	261.1723	117.3881	111.1257	122.0307	6.716749	7.982004	8.287252	0	3.314213	2.22E-40	2.243763	6.57E-18	-1.27697	0.006083
AT3G09950	AT3G09950	0	0	0	1.237247	1.987402	0	0.889303	0	0.976246	0	0	0	0	0.585069	NA	0.316377	NA	0	NA
AT3G09960	AT3G09960	1.188904	0	2.575309	29.69392	35.11077	20.9366	15.11816	11.86779	9.76246	0	0	0	0	3.101992	1.42E-09	1.957654	0.000428	-0.50022	NA
AT3G09970	AT3G09970	167.6355	192.6986	153.2309	262.2963	315.9969	251.2039	313.0348	276.1958	386.5934	184.2308	174.2738	205.1095	0	0.683652	0.000019	0.912578	4.44E-07	0.139107	0.722359
AT3G09975	AT3G09975	0	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G09980	AT3G09980	693.131	683.3662	715.9358	866.8975	900.9555	756.6022	617.1766	649.4917	1139.279	691.8252	735.6747	757.2477	0	0.263462	0.259935	0.195176	0.447777	0.05998	0.90649
AT3G09990	ENT2	0	0	0	0.662467	0	0	0	0	0	0	0	0	0	0.128567	0	0	NA	0	NA
AT3G10000	EDA31	10.70014	12.48972	6.438272	15.67179	14.57428	18.93997	8.893035	10.7889	11.71495	11.51443	14.63367	15.5386	0	0.635256	0.180471	0.075713	0.90839	0.42393	NA
AT3G10010	DML2	248.4809	237.3047	211.1753	246.2121	217.9517	307.027	245.4478	289.1425	197.2017	165.0401	172.9434	156.4219	0	0.136626	0.550812	0.067461	0.801429	-0.48356	0.085619
AT3G10015	AT3G10015	0	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G10020	AT3G10020	420.872	465.6882	368.2691	433.4488	408.0798	418.6731	384.1791	546.9972	1039.702	422.1957	379.1452	356.3518	0	0.007055	0.985641	0.619576	0.033172	-0.10875	0.865138
AT3G10030	AT3G10030	235																		

AT3G10480	ANAC050	354.2934	328.3013	359.2556	350.5532	336.5334	375.809	429.5336	427.2404	385.6172	348.3114	375.1542	335.6337	0.021614	0.90291	0.24777	0.082569	0.017329	0.96169
AT3G10490	ANAC052	288.9037	244.4417	251.0926	292.8151	289.4982	293.0712	330.8209	330.1403	223.5603	248.5197	321.9408	229.9712	0.151146	0.506625	0.165634	0.487933	0.020022	0.970941
AT3G10500	NAC053	90.3567	137.3869	115.8889	379.8347	392.8431	417.6763	473.1095	445.5815	408.0708	94.99403	129.0424	118.0933	1.76994	1.8E-26	1.926209	6.32E-31	0.000814	0.998413
AT3G10510	AT3G10510	1.188904	0	0	0.412416	0	0	0.996841	0	0	0	1.330334	1.035907	0.008297	NA	-0.27113	NA	0.169205	NA
AT3G10520	AHB2	928.534	1222.209	1068.753	939.0703	881.0815	863.264	828.8308	771.4063	1023.106	975.8477	1065.598	1018.2192	-0.25521	0.105011	-0.28807	0.074649	-0.07071	0.836113
AT3G10525	SMR1	194.9802	173.0719	162.2444	197.9595	199.4026	168.2464	144.0672	141.3346	210.8691	327.9648	300.6555	208.2976	0.093277	0.726699	-0.09467	0.742204	0.47315	0.124985
AT3G10526	AT3G10526	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G10530	AT3G10530	156.9533	142.7397	162.2444	144.3455	111.957	171.4566	136.9527	125.1512	112.2683	160.2424	123.7211	123.2729	-0.11944	0.637488	-0.29684	0.221373	-0.17514	0.675176
AT3G10540	PDPK2	235.403	230.1677	233.0654	199.6091	215.9643	227.2797	192.0896	214.6991	181.5818	210.1383	246.1118	224.7917	-0.12601	0.476543	-0.24679	0.157083	-0.04158	0.913327
AT3G10550	MTM1	192.6024	176.6404	154.5185	120.4253	100.695	113.6398	133.3955	170.4646	115.197	172.7164	145.0064	164.7091	-0.62689	0.001322	-0.31765	0.152862	-0.11158	0.792148
AT3G10560	UNE9	1.188904	1.784246	0	1.237247	0	0	1.778607	1.07889	0	0	0.995936	0	-0.23527	NA	0.020372	NA	-0.1049	NA
AT3G10570	CYP77A6	66.57862	87.42806	61.80741	40.82914	47.03518	42.86415	39.12935	42.07671	59.55101	102.6703	106.4267	89.08796	-0.68056	0.007039	-0.57294	0.037075	0.466289	0.215684
AT3G10572	AT3G10572	194.9802	183.7773	190.5728	211.1568	229.2137	231.2671	255.2301	203.9102	208.9166	207.2597	256.7545	231.0072	0.227482	0.203436	0.226865	0.23545	0.274696	0.309787
AT3G10575	AT3G10575	0	1.784246	0	2.062078	1.987402	0.996841	1.778607	2.15778	2.928738	1.919071	0	0	0.545008	0.439875	0.725222	0.302667	0.22973	NA
AT3G10580	AT3G10580	0	1.784246	1.287654	0	0	0	0	0.889303	0	0	0	0	-0.52682	NA	-0.29362	NA	-0.48177	NA
AT3G10585	AT3G10585	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G10590	AT3G10590	1.188904	0	1.287654	0	15.67179	5.299738	11.96209	10.67164	4.31556	12.6912	2.878607	0	1.950602	0.000913	1.720993	0.005044	0.227882	NA
AT3G10595	AT3G10595	2.377808	0	0	1.649662	2.649869	1.993682	0.889303	0	1.952492	0	0	0	0.534403	0.426123	0.0397	0.961439	-0.46969	NA
AT3G10600	CAT7	10.70014	1.784246	9.01358	2.886909	3.312336	6.977885	5.335821	7.55223	3.904984	6.716749	1.330334	7.251346	-0.60587	0.346764	-0.30263	0.68557	-0.35446	NA
AT3G10610	RPS17C	236.5919	249.7944	300.0235	274.2564	309.3722	237.2481	219.658	190.9635	276.2776	281.1439	288.6825	316.9874	0.063501	0.788755	-0.1905	0.395743	0.168746	0.632355
AT3G10620	NUDT26	98.67903	110.6233	117.7838	96.09283	156.3423	114.3672	109.3843	85.23231	191.3442	144.8899	163.6311	162.6733	0.184951	0.585789	0.258141	0.45532	0.528501	0.226969
AT3G10630	AT3G10630	128.4016	121.3287	132.6284	105.166	115.9318	107.6588	96.93408	118.6779	114.2208	112.2657	129.0424	136.7397	-0.21823	0.290377	-0.21555	0.338486	-0.02224	0.96566
AT3G10640	VPS60.1	230.6474	231.952	280.7086	435.9233	504.8001	496.4267	492.6741	475.7905	587.7001	289.7798	356.5295	250.6894	0.927446	2.08E-08	1.042394	2.89E-10	0.257305	0.39226
AT3G10650	NUP1	599.2076	483.5307	385.0086	264.3584	222.589	278.1186	305.9204	349.5603	234.299	344.4733	420.3855	358.4237	-0.91668	2.96E-06	-0.70418	0.000575	-0.37849	0.231806
AT3G10660	CPK2	28.53369	41.03766	34.76667	21.03319	19.87402	24.92102	22.65669	21.47741	23.98839	41.24035	32.1131	0	-0.61275	0.075696	-0.47614	0.216824	-0.0927	0.908744
AT3G10670	ABC16	43.85455	594.1539	499.6099	435.5108	451.1402	433.6257	450.8769	445.5815	518.3866	543.0972	505.5269	570.7845	-0.20626	0.183867	-0.10772	0.594446	0.085788	0.778754
AT3G10680	AT3G10680	15.45575	10.70548	12.87654	6.98649	7.949607	5.981045	6.225124	4.31556	5.874676	6.835821	9.312338	11.39497	-0.77697	0.122451	-1.00993	0.059239	-0.35642	NA
AT3G10690	GYRA	373.3158	326.517	375.9951	280.855	289.4982	267.1533	279.2413	283.7481	279.2064	310.8895	348.5475	340.8132	-0.3602	0.006385	-0.35497	0.010722	-0.112	0.666695
AT3G10700	GALAK	105.8125	114.1917	105.5877	99.3215	98.7062	87.72199	72.92289	73.36452	96.64835	102.6703	118.3997	85.98024	-0.17055	0.483726	-0.40534	0.085632	-0.0852	0.863892
AT3G10710	PME24	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT3G10720	PME25	526.6844	446.0615	366.9815	300.2385	280.8861	311.0143	216.1007	249.2236	192.3205	324.323	388.4575	325.2744	-0.57738	0.000649	-1.00835	1.61E-09	-0.36503	0.1573
AT3G10730	SUN2	161.6909	146.3082	151.9432	146.8199	122.5564	133.5767	119.1667	143.4924	131.7932	119.942	117.0694	107.7343	-0.18449	0.355208	-0.22405	0.28717	-0.4108	0.13037
AT3G10740	ASD1	724.0245	868.9278	781.6062	718.8403	684.9912	721.7127	674.9813	766.0119	572.7246	744.5996	689.113	742.745	-0.15507	0.367879	-0.26502	0.115626	-0.12051	0.688768
AT3G10745	MIR158A	0	0	0	1.237247	1.324935	0	0.889303	2.15778	0.976264	0	0	0	0.507687	NA	0.662533	NA	0	NA
AT3G10750	AT3G10750	0	0	1.287654	2.062078	1.324935	1.993682	0	0	0.976246	1.919071	0	0	0.61802	NA	-0.09845	NA	0.100984	NA
AT3G10760	AT3G10760	104.91275	394.3184	379.858	240.4383	278.8987	277.1217	253.4515	208.2258	216.7266	324.323	339.2352	329.4183	-0.57772	2.33E-05	-0.79612	9.48E-09	-0.2583	0.248955
AT3G10770	AT3G10770	590.8853	717.2669	620.6494	607.9006	561.1098	602.0918	613.6194	620.3617	511.5529	540.2186	570.7133	556.2818	-0.11697	0.443512	-0.138	0.38431	-0.20413	0.351437
AT3G10780	AT3G10780	0	0	0	0.412416	0	0	0	2.15778	1.952492	0	0	0	0.048538	NA	0.635901	NA	0	NA
AT3G10790	AT3G10790	0	0	0	0	0.662467	1.993682	0	0	1.07889	0	0	0	0.405021	NA	0.163361	NA	0	NA
AT3G10800	B2P28	248.4809	208.7568	207.3123	261.591	276.9113	331.948	289.129	330.1403	293.85	214.936	194.2288	184.3914	0.368452	0.028813	0.445473	0.009264	-0.16311	0.612518
AT3G10810	AT3G10810	292.4704	233.7362	215.0383	163.729	153.6924	205.3492	178.75	188.8057	105.4346	212.0574	278.0398	195.7863	-0.4926	0.066226	-0.62576	0.012644	-0.11381	0.834254
AT3G10815	AT3G10815	3.566712	0	6.438272	37.52982	43.06037	45.85468	58.69403	55.02339	50.76479	1.919071	0	0	2.86417	1.12E-11	3.231032	1.48E-14	-0.44397	0.677954
AT3G10820	MED26A	60.6341	110.6233	79.83457	98.56732	96.72022	108.5566	100.4913	86.3112	107.3871	97.87263	94.45371	69.4074	0.285903	0.279173	0.246697	0.395572	0.080242	0.890145
AT3G10840	AT3G10840	161.6909	178.4246	159.6691	103.1039	107.9822	93.70303	146.7351	161.8335	155.2313	191.1383	207.5321	190.6068	-0.68749	2.29E-05	-0.10171	0.636508	0.284484	0.277425
AT3G10845	AT3G10845	0	0	0	0.412416	0.662467	0.996841	1.778607	0	1.952492	0	0	0	0.341954	NA	0.637208	NA	0.193222	NA
AT3G10850	GLX2-2	1042.669	1161.544	1277.353	1568.004	1414.368	1347.729	1172.991	1329.192	1713.312	1376.934	1364.923	1156.072	0.310208	0.073892	0.271058	0.141399	1.60002	0.60531
AT3G10860	AT3G10860	363.8046	331.8698	339.9407	537.3775	622.7192	366.8374	343.2711	249.2236	814.1892	426.9934	468.2776	481.6965	0.492567	0.275821	0.387586	0.430255	0.360173	0.642572
AT3G10870	MES17	85.60108	62.44861	92.71111	72.99576	60.94699	53.8294	75.5908	46.39227	68.33722	97.87263	98.44471	98.41112	-0.34126	0.20234	-0.33195	0.25325	0.266047	0.555284
AT3G10880	AT3G10880	26.15589	24.79844	29.61605	31.34358	33.12336	29.90522	28.45727	12.94668	32.21612	37.42189	33.25835	40.40035	0.204392	0.613502	-0.11571	0.810746	0.424256	0.808873
AT3G10890	MAN3	1.188904	1.784246	0	0.824831	0	0	0	3.557214	0	0	0	0	-0.27722	NA	0.122361	NA	-0.41165	NA
AT3G10900	MAN4	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G10910	ATL72	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G10912	CPuORF63	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G10915	RTL816	178.3356	183.7773	194.4358	322.9214	316.6594	256.1881	250.7836	243.8291	217.7029	1								

AT3G11390	AT3G11390	5.94452	3.568492	1.287654	0.824831	0.662467	0	0.889303	0	0.976246	3.838143	7.982004	2.071813	-1.19482	0.067766	-1.05348	0.125353	0.232739	NA
AT3G11395	AT3G11395	0	0	0	0.412416	0	0.996841	0	0	0	0	0	0	0.224618	NA	0	NA	0	NA
AT3G11397	PR1A13	2.377808	1.784246	2.575309	3.711714	1.987402	2.990522	2.66791	2.15778	2.928738	5.757214	3.991002	3.10772	0.19096	0.810115	0.081194	0.927273	0.547005	NA
AT3G11400	EIF3G1	710.9646	849.3011	815.0852	972.8883	913.5424	843.3273	678.5386	774.643	1005.533	804.0909	907.2878	719.955	0.199773	0.291181	0.050026	0.833236	0.033292	0.939955
AT3G11402	PR1A13	19.02246	21.41095	14.1642	46.60296	59.62205	44.85784	12.45025	15.10446	8.786214	13.4335	11.97301	16.5745	1.391621	5.24E-05	-0.50755	0.27449	-0.31118	0.694808
AT3G11405	AT3G11405	0	0	0	0	0	0	0.996841	0	0	0	0	0	0.15625	NA	0	NA	0	NA
AT3G11410	PP2CA	754.954	801.1265	763.579	485.4131	507.4499	572.1866	566.4663	681.8584	645.2986	782.9811	924.5821	683.6983	-0.56231	0.000695	-0.2886	0.072377	0.042015	0.905938
AT3G11415	AT3G11415	2.377808	5.352738	1.510617	5.962205	1.993682	5.446617	6.47334	5.854746	6.716749	6.65167	6.25439	6.154539	-0.24811	0.730612	0.280609	0.715715	0.449891	NA
AT3G11420	AT3G11420	170.0133	107.0548	130.0531	109.2901	102.6824	106.662	79.14801	90.62675	123.9832	133.3755	113.0784	105.6625	-0.35303	0.147738	-0.46808	0.061977	-0.21204	0.627648
AT3G11430	GPAT5	1.188904	1.784246	0	17.73387	15.89921	18.93997	15.11816	4.31556	6.833722	2.878607	0	1.035907	2.544865	4.51E-06	1.692982	0.004869	0.086829	NA
AT3G11435	MIR172C	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G11440	ATMYB65	52.31177	35.68492	50.21852	44.9533	35.77323	46.85152	36.46144	38.84004	35.14486	32.62421	34.58868	42.47217	-0.13117	0.70555	-0.32682	0.338936	-0.33303	0.529593
AT3G11450	AT3G11450	1153.237	977.7668	848.5642	715.541	816.1597	737.6622	755.0187	844.7708	1388.222	767.6285	854.0744	831.8329	-0.38141	0.092401	-0.003543	0.990666	-0.27242	0.469967
AT3G11460	PCMP-H52	17.83356	16.05821	10.30123	17.73387	15.89921	23.92418	19.56468	38.84004	19.52492	15.35257	18.62468	18.64632	0.306228	0.528506	0.708891	0.119688	0.208944	0.826737
AT3G11470	AT3G11470	85.60108	71.36984	70.82099	75.05963	68.8966	67.78517	74.70149	55.02339	83.95716	59.49121	89.13238	126.3806	-0.10094	0.779082	-0.08864	0.820588	0.251081	0.63962
AT3G11480	BSMT1	4.755616	0	3.862963	5.361402	11.26194	19.93682	18.67537	9.710009	7.809968	2.878607	5.321336	5.179533	1.277835	0.028255	1.31336	0.029571	0.250285	NA
AT3G11490	ROPGAP4	253.2365	246.226	243.3667	106.4032	98.70762	110.6493	107.6057	127.309	130.817	223.5718	219.5051	223.7558	-1.21791	1.17E-16	-1.00889	0.457E-11	-0.15291	0.595754
AT3G11500	AT3G11500	184.2801	190.9143	213.7560	296.9392	354.42	240.2386	173.4142	201.7524	380.7359	254.2769	290.0128	250.6894	0.572006	0.035446	0.341632	0.264339	0.410052	0.344724
AT3G11505	AT3G11505	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G11510	RP514B	1879.657	1802.088	1922.468	2101.67	2272.263	1763.411	1381.088	1392.847	2557.765	1826.956	1883.753	2032.449	0.127291	0.63116	-0.0698	0.816557	0.034074	0.953343
AT3G11520	CYCB1-3	58.25629	48.17464	65.67037	61.44992	51.67245	72.76938	53.35811	51.78672	44.90732	78.86192	87.80204	72.51346	0.080018	0.80239	-0.20244	0.52624	0.369993	0.629954
AT3G11530	AT3G11530	109.3792	124.8972	124.9025	178.9884	169.5916	141.5514	121.9451	120.8357	222.5847	136.2541	143.6761	108.7702	0.436049	0.111487	0.331694	0.270645	0.108242	0.858201
AT3G11540	SPY	431.5721	376.4759	343.8037	278.7929	313.347	360.8564	337.046	420.7671	281.1588	333.9184	325.9318	329.4183	-0.27508	0.155276	-0.14861	0.504999	-0.21577	0.50721
AT3G11550	CASP2	0	1.287654	0.824831	0.662467	0.996841	0	1.07889	0.972646	2.878607	5.321336	2.071813	0.116224	0.884783	0.060984	0.942656	1.097495	0.197945	NA
AT3G11560	AT3G11560	1571.731	1720.013	1529.733	711.4169	622.7192	1022.759	1235.243	1407.951	738.042	1393.246	1335.655	1445.019	-0.99777	7.53E-06	-0.09378	0.045065	-0.20024	0.652037
AT3G11570	TBL8	14.26685	12.48972	6.438272	15.67179	17.22415	18.93997	15.11816	14.02557	13.66744	12.47396	14.63367	11.39497	0.54844	0.239165	0.313807	0.659483	0.170104	NA
AT3G11580	ARF32	13.07794	14.27397	15.45185	84.95761	90.09555	74.76306	48.91169	50.70783	39.04964	15.35257	22.61568	8.287252	2.355867	9.32E-14	1.52733	7.57E-06	0.045394	0.96566
AT3G11590	AT3G11590	362.6157	280.1266	321.9136	230.9527	205.3649	255.1912	242.7799	316.1148	233.3228	294.5774	304.6465	305.5924	-0.48121	0.005146	-0.28736	0.134313	-0.09695	0.792525
AT3G11591	AT3G11591	0	0	0.412416	3.974804	1.993682	0	0	0	0.972646	1	1.330334	1.035907	0.934581	NA	0.126684	NA	0.355513	NA
AT3G11600	AT3G11600	28.53369	71.36984	55.36914	80.83345	78.17114	76.75674	72.92289	71.20674	100.5533	65.24842	55.87403	63.1903	0.605586	0.034904	0.654074	0.028199	0.269189	0.622275
AT3G11620	AT3G11620	111.757	164.1506	130.0531	124.5495	142.4305	113.6398	131.6169	111.1257	97.6246	138.1713	138.3547	129.4883	-0.0705	0.78681	-0.22904	0.351893	0.015095	0.9802
AT3G11630	BAS1	4393	4328.581	4401.203	2253.439	2578.985	2255.851	3663.041	3219.408	3969.416	4719.956	4441.985	5637.403	-0.87836	1.65E-12	-0.27089	0.057747	0.171705	0.456833
AT3G11640	AT3G11640	5.94452	3.568492	5.150617	10.13039	8.612075	12.95893	5.335821	5.39445	9.76246	6.716749	6.65167	5.179533	0.83037	0.136714	0.312654	0.659591	0.201504	NA
AT3G11650	NHL2	59.4452	44.60165	46.35556	123.7247	119.9066	127.9566	90.61099	107.889	144.8484	52.77446	43.91012	53.86714	1.128793	5.02E-08	1.628793	6.66E-07	-0.0075	0.992275
AT3G11660	NHL1	512.4176	538.8423	485.4457	615.7365	524.0116	515.3667	398.408	460.686	480.313	406.8431	427.0372	349.1005	0.111591	0.512925	-0.19475	0.248705	-0.37214	0.071661
AT3G11670	DGD1	926.1562	1011.667	831.8247	572.0204	563.7596	559.2277	497.1206	457.4493	306.5412	750.3569	870.0384	768.6426	-0.69264	4.36E-05	-1.10991	2.44E-11	-0.20868	0.502444
AT3G11673	AT3G11673	0	0	0.412416	1.987402	0.996841	3.557214	2.15778	1.952492	5.757214	2.660668	10.35907	0.116224	0.884783	0.060984	0.942656	1.097495	0.197945	NA
AT3G11680	ALMT8	9.511232	3.568492	5.150617	2.062078	1.987402	0.996841	3.557214	2.15778	1.952492	5.757214	2.660668	10.35907	-1.15832	0.063624	-0.81849	0.236654	0.040377	NA
AT3G11690	AT3G11690	116.5126	114.1917	106.8753	64.74925	60.94699	64.79465	45.35448	57.18117	52.71728	113.2252	91.79304	114.9856	-0.80162	0.64E-05	-1.08903	2.96E-07	-0.0656	0.893141
AT3G11700	FLA18	979.6569	811.8319	713.3605	487.8876	559.7848	589.1329	456.2127	456.3704	754.6382	711.0159	594.6593	704.4164	-0.59828	0.004563	-0.57058	0.008669	-0.30782	0.387005
AT3G11710	ATRXS-1	1191.282	1236.482	1206.532	1144.041	1065.91	1286.921	1175.659	1236.408	782.9493	1109.223	1094.865	1102.205	-0.05522	0.801502	-0.18228	0.365062	-0.13356	0.689425
AT3G11720	AT3G11720	205.6804	217.678	242.079	179.8132	222.589	206.346	223.2152	180.1746	151.3181	271.5486	280.7005	242.4021	-0.13038	0.551113	-0.25411	0.2358	0.24915	0.432745
AT3G11730	RABD1	356.6712	321.1643	457.1173	477.5772	467.7019	424.6542	482.8918	477.9482	481.2893	509.5134	570.7133	430.9371	0.263994	0.130642	0.334458	0.058875	0.39838	0.086495
AT3G11740	AT3G11740	0	0	0.412416	1.987402	0.996841	3.557214	2.15778	1.952492	5.757214	2.660668	10.35907	0.116224	0.884783	0.060984	0.942656	1.097495	0.197945	NA
AT3G11745	AT3G11745	11.88904	9.62671	7.725926	30.51875	33.12336	18.93997	19.56468	20.49891	35.14486	28.78607	46.56169	18.64632	0.96035	0.028998	0.818783	0.084604	1.08664	0.071883
AT3G11750	FOLB1	32.10041	26.76369	32.19136	37.94223	41.73544	39.87363	34.68284	28.05114	31.23987	43.1791	47.89202	46.61579	0.351838	0.272824	0.03209	0.941988	0.544996	0.239343
AT3G11760	AT3G11760	178.3356	160.5821	126.1901	107.228	129.1811	109.6525	141.3993	129.4668	127.8882	159.6327	129.0424	124.3088	-0.41757	0.03211	-0.21504	0.343773	-0.23728	0.49028
AT3G11770	AT3G11770	126.0238	124.8972	101.7247	121.2502	160.3171	104.6683	174.3035	119.7568	210.8691	150.1647	195.5591	148.1346	0.130714	0.617152	0.506065	0.062688	0.463805	0.23281
AT3G11773	AT3G11773	1.188904	0	0	1.649662	1.324935	1.993682	5.57214	1.07889	1.952492	0.995936	2.660668	0	0.516567	0.463989	0.726896	0.29782	0.289378	NA
AT3G11780	AT3G11780	319.8152	322.9485	338.6531	356.3271	353.0951	350.888	326.7344	275.1169	413.9283	363.664	472.2686	412.2908	0.109273	0.599965	0.048979	0.84019	0.336593	0.205975
AT3G11800	AT3G11800	341.2154	383.6129	382.															

AT3G12280	RBR1	480.3172	428.219	359.2556	273.4315	248.4252	283.1028	237.444	275.1169	162.0568	380.9356	323.2712	318.0233	-0.63971	0.001072	-0.88775	5.13E-06	-0.30145	0.356644
AT3G12290	FOLD2	1191.282	1339.969	1364.914	1787.400	1618.408	1688.648	1252.319	1365.875	1945.609	1606.263	1611.034	1364.289	0.38435	0.002102	0.078133	0.631158	0.231852	0.238435
AT3G12300	AT3G12300	158.1242	120.541	211.1753	385.6086	398.1428	301.0459	261.4552	235.2753	213.9764	174.2738	215.4686	0.896893	2.4E-07	0.873431	0.052269	0.067773	0.878686	
AT3G12320	T2E22.34	826.2882	840.3799	857.5778	603.7764	663.1297	513.373	296.1381	198.5157	199.1542	793.536	947.1978	799.7198	-0.49144	0.004774	-1.81856	3.3E-28	0.008076	0.98764
AT3G12340	FKBP43	61.82301	39.25341	74.68395	171.34789	77.50867	65.79149	64.02985	49.62894	95.67211	61.41028	53.21336	69.40574	0.255371	0.439813	0.219913	0.541712	0.046507	0.952381
AT3G12345	AT3G12345	702.6422	756.5203	699.1963	483.7635	471.6767	368.8311	417.9726	479.0271	850.3101	614.8528	689.113	930.2441	-0.67449	0.005647	-0.29255	0.297617	0.109754	0.841389
AT3G12350	AT3G12350	197.3581	192.6986	208.6	197.1346	192.1155	205.3492	200.0933	172.6224	199.2542	186.1499	191.5681	150.2064	-0.01368	0.912384	-0.06457	0.172838	-0.18347	0.546839
AT3G12360	ITN1	557.596	599.5067	489.3086	704.4058	589.5959	648.9433	565.597	641.9395	523.2679	398.2073	473.5989	430.9371	0.240056	0.122451	0.073074	0.706407	-0.33273	0.126898
AT3G12370	AT3G12370	150.9908	181.9931	173.8333	221.8796	262.337	221.2987	195.6468	155.3602	242.109	181.3522	224.8264	208.2172	0.470626	0.018535	0.227275	0.332595	0.271373	0.430837
AT3G12380	ARP5	134.3461	148.0924	135.2037	130.3233	114.6068	146.5356	143.1779	166.1491	124.9595	142.9708	109.0874	143.991	-0.09326	0.704314	0.057234	0.836248	-0.06182	0.897035
AT3G12385	AT3G12385	0	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	0	0	0
AT3G12390	AT3G12390	617.0411	656.6025	669.5803	757.195	715.4647	571.1898	533.5821	536.2083	815.1654	700.461	674.4793	655.7288	0.074489	0.752606	-0.04249	0.871211	0.062597	0.885216
AT3G12400	ELC	351.9156	265.8527	283.284	270.957	304.0725	301.0459	345.9391	317.1936	370.9735	246.6007	246.1118	207.1813	-0.05033	0.808218	0.189407	0.31208	-0.36641	0.127266
AT3G12410	AT3G12410	2.377808	3.568492	2.575309	4.948987	4.637271	0	6.225124	7.55223	7.809968	9.595356	10.64267	5.179533	0.132356	0.865514	0.872787	0.186256	1.044127	NA
AT3G12420	AT3G12420	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT3G12430	AT3G12430	0	0	0	0.824831	0	0.996841	0.889303	0	0	0	1.330334	1.035907	0.324831	NA	0.149799	NA	0.382926	NA
AT3G12440	AT3G12440	1.188904	0	0	0	0.662467	0.996841	0	0	0	0	2.660668	0	0.042174	NA	-0.23577	NA	0.171725	NA
AT3G12450	AT3G12450	0	0	0	0	0	0	0	0	0	0.959536	1.330334	1.035907	0	0	0	0	0.604134	NA
AT3G12460	AT3G12460	3.566712	8.92123	6.438272	2.474493	2.649869	5.981045	2.66791	4.31556	3.904984	6.762825	3.991002	6.215439	-0.57388	0.373489	-0.51851	0.464907	0.007119	NA
AT3G12470	AT3G12470	0	1.784246	0	0.824831	0.662467	0	0.889303	0	0.976246	1.919071	3.991002	3.10772	-0.05172	0.949798	0.03881	0.962827	0.96881	NA
AT3G12480	NF-YC11	209.2471	221.2465	361.3938	364.9878	370.3192	332.9448	275.6841	327.9825	292.8738	280.1844	211.5231	219.6122	0.617093	0.000145	0.363846	0.004471	0.043063	0.920201
AT3G12490	CYS6	576.6184	676.2292	706.9222	1266.528	1081.147	1088.55	1013.806	1044.365	1524.896	761.8713	645.212	647.4416	0.794477	5.8E-06	0.852537	1.19E-06	0.068259	0.873998
AT3G12500	CHI-B	17.83356	8.92123	5.150617	37.52982	27.82363	25.91786	23.12189	21.5778	28.31113	10.55489	7.982004	6.215439	1.320602	0.00147	0.998419	0.027581	-0.32002	0.739037
AT3G12502	AT3G12502	0	0	0	0.412416	0.662467	0	0	0	0.976246	0	0	0	0.208807	NA	0.165973	NA	0	0
AT3G12510	AT3G12510	9.511232	10.70548	10.30123	41.65397	38.4231	36.88311	34.68284	38.84004	37.09735	5.995356	13.30334	15.5386	1.739401	1.54E-06	1.645007	1.11E-05	0.249772	0.779875
AT3G12520	SULTR4	105.8215	121.3287	117.1765	34.64291	49.68505	40.87047	33.79353	42.07671	37.09735	134.335	148.9974	138.8115	-1.42191	1.1E-11	-1.54532	6E-12	0.291675	0.412988
AT3G12530	GINS2	29.7226	23.1952	27.04074	50.72712	39.74804	46.85152	30.23632	19.42002	35.14486	30.02886	35.91902	31.0772	0.720813	0.029078	0.069406	0.885885	0.126068	0.873987
AT3G12540	AT3G12540	0	0	0	0	0	0.996841	0	0	0	0.959536	0	2.071813	0.130527	NA	0	0	0.48698	NA
AT3G12545	AT3G12545	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G12550	FDM3	133.1572	137.3869	150.6556	148.882	151.0425	165.4756	148.5137	166.1491	125.9357	156.4043	166.2917	156.4219	0.134047	0.515955	0.060502	0.807768	0.179041	0.594257
AT3G12560	TRP3	287.7148	306.8903	276.8457	201.2588	213.9769	202.3587	248.1157	265.4069	243.0853	274.4272	270.0578	249.6355	-0.48726	0.000316	-0.19856	0.211933	-0.12886	0.626543
AT3G12570	FVD	364.9935	469.2567	379.858	382.7217	315.9969	424.6542	409.0796	432.6349	288.9688	318.5658	296.6645	311.8079	-0.10696	0.644382	-0.09598	0.700832	-0.37413	0.203688
AT3G12580	MED37C	82.03437	60.66437	70.82099	78.77137	61.60946	61.80413	96.93408	102.4945	123.9822	85.39867	63.85603	65.26211	-0.07486	0.810551	0.564027	0.024622	0.000645	0.998753
AT3G12585	AT3G12585	0	0	0	0.412416	0.662467	0.996841	0	1.07889	0.976246	0.959536	0	1.035907	0.368842	NA	0.363735	NA	0.379284	NA
AT3G12587	OST4A	24.96698	23.1952	14.1642	46.19054	71.54647	28.90838	49.80099	18.34113	58.57476	32.62421	70.5077	30.04129	1.053141	0.018779	0.864145	0.071855	0.90719	0.175002
AT3G12590	AT3G12590	470.806	424.6506	369.5568	225.5913	169.5916	291.0775	270.3483	318.2725	186.463	308.9703	319.2802	324.2387	-0.85854	0.000101	-0.68388	0.302089	-0.39591	0.271055
AT3G12600	NUDT16	180.7134	205.1883	191.8605	272.1943	284.8609	232.2639	165.4104	160.7546	319.2324	161.202	158.3097	167.8169	0.437908	0.087571	0.155885	0.620727	-0.23261	0.619797
AT3G12610	DR100	783.4877	661.9553	638.6766	240.0259	265.6494	266.1565	184.9751	204.9891	239.1803	482.6464	359.1902	617.4003	-1.39974	2.91E-14	-1.68365	1.47E-19	-0.49933	0.066118
AT3G12620	AT3G12620	265.1256	294.4006	339.9407	341.8925	326.5964	346.9006	370.8396	351.7181	308.9397	306.9199	305.9768	310.7172	0.172283	0.285659	0.195201	0.247869	0.036971	0.920546
AT3G12630	SAP5	359.049	381.8287	387.584	603.7764	600.8578	631.0002	668.7562	613.8884	897.1701	444.265	552.0886	480.6606	0.688756	2.11E-05	0.933473	4.98E-09	0.387766	0.125034
AT3G12640	AT3G12640	290.0926	303.3218	265.5444	258.5846	201.3901	279.1154	320.1493	321.2981	206.9642	281.1439	228.8174	313.8797	-0.21263	0.382378	0.000401	0.399932	-0.05756	0.917498
AT3G12650	AT3G12650	80.84547	110.6233	103.0123	122.075	123.8814	80.7441	114.7201	75.5223	182.558	58.53167	65.18636	96.33931	0.15382	0.691055	0.325923	0.381289	-0.38352	0.498675
AT3G12660	FLA14	0	0	0	0	0	0	0	0	0	0	1.330334	1.035907	0	0	0	0	0.375122	NA
AT3G12670	emb2742	452.9724	444.2773	508.6235	377.7727	337.8583	386.7742	421.5299	444.5027	352.4248	447.1436	361.8508	450.6193	-0.34799	0.025442	-0.20527	0.242709	-0.15386	0.591092
AT3G12680	HUA1	149.8019	144.5239	140.3543	179.4008	107.3197	168.4661	162.7425	156.439	108.6333	139.1327	145.0064	134.6678	0.065348	0.829917	-0.02318	0.945106	-0.05327	0.928542
AT3G12685	AT3G12685	60.6341	78.50683	64.38272	72.58514	62.27192	58.81361	68.47637	67.60119	57.71962	57.77446	61.19536	56.97684	-0.03993	0.920254	0.235535	0.417333	-0.23239	0.624926
AT3G12690	AGC1-5	57.06739	44.60615	37.34198	24.74493	33.12336	27.91154	21.34328	28.05114	17.57243	40.3005	23.94601	50.75942	-0.65714	0.053705	-0.97716	0.005657	-0.24038	0.179598
AT3G12700	AT3G12700	84.41218	64.23286	90.1358	87.01969	76.18374	85.72831	71.44428	75.5223	78.09968	91.15588	73.16837	91.15977	0.042984	0.882347	-0.10217	0.732823	0.086599	0.867653
AT3G12710	AT3G12710	185.469	119.5445	186.7099	113.0019	107.9822	128.5925	99.60199	76.60119	80.05217	113.2252	87.80204	101.5188	-0.49685	0.022708	-0.19915	2.34E-05	-0.68545	0.015312
AT3G12720	ATY53	0	1.784246	0	0.2062708	0.324935	0	0.889303	0	2.15778	0	0	0	0.341271	NA	0.216726	NA	-0.28009	NA
AT3G12730	AT3G12730	32.10041	35.68492	42.49259	26.3946	27.16116	25.91786	38.24003	39.91893	33.19236	47.97678	54.54369	37.29264	-0.44479	0.167269	0.012727	0.976765	0.31596	0.562353
AT3G12740	AUS1	482.695	513.8629	477.7198	691.6209	738.651	806.4442	915.9826	934.3187	978.1985	385.								

AT3G13180	AT3G13180	374.5047	412.1608	387.584	313.4358	243.1255	288.087	249.005	333.377	314.3512	377.0975	296.6645	384.3213	-0.46174	0.008442	-0.38145	0.041279	-0.1414	0.68156
AT3G13190	AT3G13190	145.0463	162.3664	151.9432	148.4696	183.5034	137.564	158.296	151.0446	181.5818	182.3118	158.3097	175.0682	0.039204	0.871337	0.099071	0.681088	0.171703	0.625212
AT3G13200	EMB2769	695.5088	813.6162	755.8531	1031.451	1069.222	989.8629	945.3296	889.0053	1336.481	658.2414	458.9652	784.1812	-0.437184	0.040342	0.472965	0.030211	-0.24179	0.517409
AT3G13205	AT3G13205	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0.172362	NA
AT3G13210	AT3G13210	10.70014	5.352738	3.862963	4.536571	7.28714	9.968408	7.144428	3.23667	4.88123	10.55489	11.97301	10.35967	0.014994	0.988378	-0.29219	0.675297	0.541745	NA
AT3G13220	ABC626	8.322328	17.84246	9.01358	0.412416	0.662467	0	1.778607	3.23667	0	16.31211	2.660668	13.46678	-2.49807	1.78-05	-1.7679	0.003746	-0.06625	NA
AT3G13222	GIP1	250.8587	231.952	211.1753	165.7911	135.1433	213.3239	177.8607	189.8846	114.2208	183.2713	180.9254	191.6427	-0.42701	0.064438	-0.50977	0.0031464	-0.30959	0.415849
AT3G13223	AT3G13223	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT3G13224	AT3G13224	170.0133	142.7397	163.5321	202.0836	186.8158	218.3081	184.0858	185.5691	205.0117	126.6587	107.7571	161.6014	0.332698	0.082056	0.257741	0.222327	-0.25934	0.431316
AT3G13225	AT3G13225	444.6501	446.0615	388.8716	338.1808	325.9339	392.7553	482.0025	488.7371	293.85	396.2882	369.8328	344.9569	-0.27091	0.206531	-0.01579	0.955756	-0.19728	0.59327
AT3G13226	AT3G13226	202.1137	256.9314	238.2161	206.2078	186.8158	213.3239	210.7649	236.2769	191.3442	184.2308	168.9524	208.2172	-0.19215	0.302704	-0.11902	0.577494	-0.29552	0.281585
AT3G13227	AT3G13227	1.188904	1.784246	0	0	0	0	0	1.07889	0	0.995936	1.330334	0	-0.58191	NA	-0.29444	NA	-0.07362	NA
AT3G13228	AT3G13228	0	1.784246	0	0	0	0	1.778607	0	0	0	0	2.071813	-0.27794	NA	0.043621	NA	0.077439	NA
AT3G13229	AT3G13229	1.188904	0	0	0	0.662467	0	1.778607	1.07889	0	0	0	0	-0.12889	NA	0.260867	NA	-0.23477	NA
AT3G13230	AT3G13230	200.9248	190.9143	234.3531	262.2963	292.8105	237.2481	215.2114	173.7013	291.8976	237.0053	218.1748	258.9766	0.329764	0.126857	0.115567	0.664259	0.182976	0.641615
AT3G13235	AT3G13235	255.6143	214.1095	206.0247	354.265	400.7927	332.9448	263.2338	290.2214	320.2087	189.0285	242.1208	214.4327	0.672696	3.22E-05	0.358292	0.049398	-0.07479	0.85165
AT3G13240	AT3G13240	21.40027	35.68492	14.1642	15.25938	7.28714	16.94629	22.23259	22.65669	9.76246	29.7456	42.57069	27.96948	-0.7151	0.113984	-0.30017	0.57728	0.462615	0.540643
AT3G13250	AT3G13250	4.755616	1.784246	1.287654	4.948987	3.312336	2.990522	3.557214	6.47334	4.88123	3.838143	2.660668	6.215439	0.289385	0.698201	0.525936	0.474236	0.389058	NA
AT3G13260	AT3G13260	3.566712	5.352738	0	0.412416	1.324935	1.993682	2.66791	2.15778	0.976246	0	2.660668	1.035907	-0.59804	0.401305	-0.25403	0.760851	-0.55893	NA
AT3G13270	AT3G13270	26.15589	26.76369	24.46543	17.73387	30.47349	30.90206	24.01119	29.13003	13.66744	30.70514	23.94601	37.29264	-4E-05	1	-0.19328	0.697959	0.238016	0.760299
AT3G13275	AT3G13275	10.70014	14.27397	12.87654	19.79595	15.23675	15.94945	19.56468	17.26224	34.16861	19.19071	13.30334	15.5386	0.391235	0.417067	0.805623	0.077043	0.312141	0.721811
AT3G13277	AT3G13277	51.12287	46.3904	33.47901	63.09958	64.25933	63.79781	78.25871	84.15342	80.05217	40.3005	45.23135	34.18492	0.521711	0.047561	0.852383	0.000813	-0.13197	0.83156
AT3G13280	AT3G13280	0	0	1.287654	0.824831	1.324935	0	1.07889	0	0	0	0	1.035907	0.171145	NA	-0.06043	NA	-0.04962	NA
AT3G13290	VCR	271.0701	192.6986	222.7642	171.5649	133.1559	187.4061	176.0821	147.8079	119.102	178.4736	224.8264	203.0377	-0.47662	0.027571	-0.61778	0.004871	-0.18422	0.652681
AT3G13300	VCS	939.2341	752.9518	691.4704	526.6547	487.5759	561.2214	672.3134	721.7774	425.6433	561.3283	574.7043	602.8976	-0.38084	0.075707	-0.44432	0.037007	-0.44432	0.12325
AT3G13310	AT3G13310	85.67108	64.23286	61.80741	120.4253	98.70762	135.7033	88.93035	113.2834	206.9642	65.24842	79.82004	63.1903	0.688856	0.025373	0.885347	0.003983	-0.03443	0.968132
AT3G13320	CAX2	274.6368	239.089	305.1741	294.8771	289.4982	309.0206	328.1355	279.4325	281.1588	245.6411	254.0938	248.6176	0.114638	0.505198	0.1112	0.548359	-0.1363	0.363625
AT3G13330	PA200	921.4006	851.0854	661.8543	795.5496	765.1497	1068.613	1052.935	1022.788	547.674	540.2186	544.1066	511.7378	0.105843	0.723647	0.104162	0.74292	-0.5857	0.078478
AT3G13335	AT3G13335	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G13340	AT3G13340	535.0068	578.0957	540.8148	544.801	592.2457	571.1898	669.6455	671.0695	632.6074	463.4557	481.5809	529.3482	0.047389	0.748331	0.255254	0.039567	-0.16146	0.43063
AT3G13350	HMG80	168.8244	199.8518	145.5049	185.587	190.1281	195.3808	201.8179	206.068	175.7243	141.0517	121.0604	170.9246	0.156296	0.461881	0.188656	0.393749	-0.22543	0.507006
AT3G13360	WIP3	394.7161	430.0033	408.1864	355.5022	422.6541	402.7237	409.0796	415.3726	464.6931	389.5715	427.0372	417.4740	-0.0631	0.707149	0.066218	0.710761	0.00238	0.959156
AT3G13370	AT3G13370	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G13380	BRL3	59.4452	46.3904	54.08148	139.3965	124.5438	145.5388	187.643	186.648	163.0331	45.09817	41.24035	34.18492	1.295645	3.02E-10	1.681477	1.47E-16	-0.40312	0.323717
AT3G13390	sk11	0	1.784246	0	0	1.987402	0	0.889303	1.07889	0	0.995936	0	0	0.070985	NA	0.060175	NA	-0.08436	NA
AT3G13400	sk13	4.755616	16.05821	0	0.412416	0	0.996841	0.889303	0	0	0.995936	1.330334	4.143626	-1.59107	0.011553	-1.55647	0.015355	-0.19072	NA
AT3G13403	AT3G13403	20.21137	17.84246	14.1642	2.886909	1.324935	3.987363	3.557214	5.39445	4.88123	17.27164	18.62468	19.68222	-2.14962	5.16E-06	-1.56393	0.001569	0.095295	NA
AT3G13404	AT3G13404	28.53369	26.76369	21.89012	4.948987	11.26194	2.990522	8.003731	1.07889	7.809968	3.62421	29.26735	34.18492	-1.6871	7.92E-05	-1.77367	9.92E-05	0.302327	0.71301
AT3G13405	MIR169A	7.133424	1.784246	1.287654	0.824831	0.662467	0	0.889303	0	0.976246	1.916701	0	4.143626	-1.07779	0.09744	-0.96929	0.15354	-0.37154	NA
AT3G13410	AT3G13410	2363.541	2462.26	2539.254	2046.818	2338.508	2278.778	2509.614	2355.217	2822.327	2597.463	2787.05	2619.808	-0.14388	0.241764	0.061569	0.671068	0.118881	0.561647
AT3G13420	AT3G13420	23.77808	14.27397	19.31482	21.85803	19.87402	24.92102	18.65737	20.49891	19.19071	31.92802	25.89766	0	0.156999	0.734496	0.062382	0.899703	0.338975	0.634377
AT3G13430	AT3G13430	154.5575	155.2294	131.3407	228.4782	265.6494	249.2102	272.1269	266.4858	272.3726	148.728	178.2648	136.7397	0.738546	4.23E-06	0.865602	8.04E-08	0.064756	0.875455
AT3G13432	AT3G13432	0	0	0	0.824831	3.974804	0	3.557214	1.07889	1.952492	0	0	0	0.736589	0.224075	0.905918	0.135196	0	NA
AT3G13433	AT3G13433	1.188904	0	0	12.78488	11.92441	13.95577	13.535821	6.47334	6.833722	0	0	0	2.567454	6.55E-06	1.632941	0.008669	-0.34601	NA
AT3G13435	AT3G13435	0	0	3.71174	6.498969	2.990522	0	2.15778	2.92878	0	0	0	0	1.289381	0.032004	0.746469	0.256721	0	NA
AT3G13437	AT3G13437	21.40027	33.90067	25.75309	131.1482	164.9544	132.5798	54.24751	40.99782	81.02842	24.94793	38.57969	22.78994	2.278989	4.92E-15	1.054027	0.001227	0.075685	0.931283
AT3G13438	SADHU7-1	2.377808	1.784246	2.575309	1.649662	0	0.996841	1.778607	1.07889	1.952492	0	1.330334	2.071813	-0.54614	0.446307	-0.21203	0.801996	-0.42685	NA
AT3G13440	AT3G13440	130.7794	112.4075	115.8889	92.38109	114.6068	97.6904	136.9527	106.8101	126.912	94.03449	115.7391	100.4829	-0.23976	0.278728	0.0434	0.879609	-0.21781	0.565684
AT3G13445	TBP1	158.1242	162.3664	176.4086	245.7997	221.2641	204.3524	193.8682	180.1746	223.5603	181.3522	182.2558	162.6373	0.43395	0.100435	0.261297	0.177267	0.078861	0.843797
AT3G13450	DIN4	202.1137	253.5205	245.942	213.2189	241.8006	242.2323	234.5958	343.087	355.8286	220.6932	160.9704	262.0844	0.026303	0.916889	0.544479	0.003468	-0.07437	0.864774
AT3G13460	ECT2	2850.992	2023.335	2039.644	1840.611	1810.521	2070.438	2088.974	2517.05	230.166	1579.369	1950.27	1666.774	-0.26977	0.12937	0.037632	0.923875	-0.40624	0.083116
AT3G13470	CPN60B2	227.8907	1077.685	1218.121	627.6965	622.0568	755.6035	636.7413	755.223	822.9754	1513.188	1285.103	1489.634	-0.83113	4.02E-09	-0.6872	2.08E-06	0.25369	

AT3G14690	CYP72A15	559.9738	620.9176	597.4716	621.0979	513.4121	625.0192	804.8197	835.0608	614.0587	619.86	657.185	586.3231	-0.01405	0.948636	0.337926	0.040977	0.06688	0.852376
AT3G14700	AT3G14700	11.88904	8.92123	11.58889	25.98218	31.79843	11.96209	7.114428	12.94668	64.6369	6.65167	7.251346	0.973906	0.030974	0.053265	0.938832	0.41667	NA	NA
AT3G14710	AT3G14710	1.188904	3.568492	0	0	0.142156	6.624673	3.987363	3.23667	2.928738	3.838143	3.991002	4.143626	0.941525	0.146172	0.832386	0.232877	-0.73647	NA
AT3G14720	MPK19	360.2379	369.3389	354.1049	300.2385	322.6216	312.0112	301.4739	320.4303	254.8002	454.8199	429.6979	420.5781	-0.21105	0.14581	-0.30178	0.040847	0.267295	0.196967
AT3G14730	PCMP-E31	22.58917	23.1952	18.02716	16.49662	16.56168	22.92734	20.45398	26.97225	18.54867	18.23118	22.61568	11.39497	-0.19087	0.683006	0.045679	0.934019	-0.26711	0.742107
AT3G14735	U6-1	1.188904	0	0	0	0.412416	0	0	1.778607	0	0	0	0	-0.13507	NA	0.094888	NA	-0.20373	NA
AT3G14740	AT3G14740	40.62273	28.54794	32.19136	43.71605	41.07297	32.89575	24.34328	28.05114	32.21643	46.05771	26.60668	61.11849	0.203252	0.611965	-0.30306	0.475758	0.376041	0.538195
AT3G14750	FLX1	10.42556	94.56504	103.0123	98.97974	94.73282	117.6272	94.26617	87.39009	77.12343	110.34662	90.46271	90.12387	0.15649	0.530805	-0.09092	0.758198	0.076893	0.879935
AT3G14760	AT3G14760	74.90095	87.42806	106.8753	34.64291	43.06037	32.89575	28.45771	23.73558	36.1211	99.79171	102.4357	96.33931	-1.22636	2.17E-07	-1.52196	2.03E-09	0.147082	0.768619
AT3G14770	SWEET2	183.0912	160.5821	172.5457	89.08176	113.9444	127.5956	115.6095	91.70564	88.83839	138.1731	148.9974	131.5601	-0.64975	0.000885	-0.77972	0.00112	-0.30089	0.365876
AT3G14780	AT3G14780	13.07794	7.136984	14.1642	8.248311	7.28714	10.96525	8.003731	5.39445	5.87476	11.51443	11.97301	16.5745	-0.36818	0.502207	-0.69169	0.21698	0.165615	NA
AT3G14790	RHM3	364.9935	253.3629	262.6815	193.0105	207.3523	194.384	200.9826	176.938	166.9381	199.5834	279.3701	205.1095	-0.55905	0.004099	-0.68038	0.000576	-0.36864	0.225684
AT3G14800	AT3G14800	189.0357	219.4623	197.0111	176.5139	182.841	191.3934	217.8794	178.0168	141.5557	251.3983	291.3431	210.289	-0.13185	0.572252	-0.16081	0.510395	0.307656	0.334202
AT3G14810	MS15	386.3938	317.5958	312.9	55.26369	47.69764	90.71251	69.36567	80.91675	56.62227	345.4328	316.6195	304.5565	-2.34916	2.16E-30	-2.22189	5.77E-26	-0.07183	0.88409
AT3G14820	AT3G14820	0	0	0	0	0.412416	0	0	0	0	0	0	0	0.065109	NA	0	NA	0.150531	NA
AT3G14830	AT3G14830	229.4585	231.952	222.7642	233.0148	225.2389	282.1059	305.9204	263.2491	214.7741	186.1499	196.8894	207.1813	0.105471	0.620544	0.194809	0.352685	-0.20838	0.522817
AT3G14840	LRR-RLK	890.44891	735.1094	741.6889	991.447	894.3308	1169.294	921.3184	1031.419	755.6144	529.6637	470.9382	595.6463	0.358111	0.041761	0.188576	0.35077	-0.55721	0.010511
AT3G14850	TBL41	16.64466	8.92123	14.73891	7.835896	14.57428	11.96209	7.114428	12.94668	12.6912	10.55489	13.30334	23.82585	-0.30219	0.585778	-0.54191	0.336915	0.12591	NA
AT3G14855	AT3G14855	0	0	0	0	0.824831	1.987402	0	1.778607	0	0	0	0	0.451224	NA	0.275152	NA	0.153083	NA
AT3G14860	AT3G14860	281.7702	278.3424	280.7086	237.139	207.3523	219.305	261.4552	252.4602	221.6078	273.4677	276.7095	270.3716	-0.33264	0.022255	-0.19034	0.253356	-0.03588	0.92132
AT3G14870	AT3G14870	78.46766	53.52738	63.09506	32.58083	23.18635	39.87363	44.46517	49.62894	44.90732	42.21957	46.56169	53.86714	-1.00857	0.000196	-0.48068	0.116478	-0.44386	0.327108
AT3G14880	AT3G14880	0	0	1.287654	0	0.662467	0	0	0	0	0	0	0	-0.80303	NA	-0.19692	NA	-0.19582	NA
AT3G14890	ZDP	143.8574	71.36984	105.5877	58.56301	54.32232	59.81045	74.70149	53.9445	53.69353	105.5489	103.766	117.0574	-0.87688	0.000423	-0.79319	0.002504	0.005875	0.993112
AT3G14900	AT3G14900	180.7134	135.6027	104.3	104.3411	96.72022	119.6209	79.14801	110.0468	166.9381	117.0633	115.7391	108.7702	-0.3794	0.197335	-0.23288	0.485376	-0.28838	0.56626
AT3G14910	AT3G14910	93.92341	108.839	95.28642	125.7868	117.2567	98.68724	121.8346	108.9679	90.79088	98.83217	69.17737	114.9856	0.208216	0.424248	0.114002	0.707213	-0.05384	0.927039
AT3G14920	AT3G14920	224.7028	181.9931	182.8469	188.4739	195.4278	215.3176	183.1965	146.729	178.653	174.6355	152.9884	179.2118	0.011064	0.962879	-0.21186	0.299464	-0.21545	0.492249
AT3G14930	HEM1E	2936.593	2976.122	2984.783	1592.749	1671.405	1749.456	1805.286	1792.036	2009.114	3304.641	3140.919	3152.264	-0.62434	1.7E-21	-0.66234	5.27E-14	0.109073	0.515113
AT3G14940	PPC3	77.27876	53.52738	52.79383	11.54764	6.624673	4.984204	16.00746	12.94668	11.71495	48.93632	65.18636	53.86714	-6.21222	1.16E-15	-1.99626	2.01E-09	-0.13508	0.84885
AT3G14950	TTL2	8.322328	5.32738	2.575309	4.536571	1.987402	1.996841	1.778607	1.07889	0.976246	6.716749	5.321336	4.133626	-0.63403	0.351252	-1.12966	0.023208	0.009966	NA
AT3G14960	B3GAL113	129.5905	157.2798	155.2309	184.3498	196.0903	198.3713	168.0784	162.9124	171.8193	149.6876	151.6581	143.6619	0.388225	0.020337	0.192494	0.334436	-0.01527	0.975777
AT3G14970	AT3G14970	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G14980	IDM1	299.6038	240.8732	233.0654	103.1039	105.3323	115.6335	156.5174	215.778	161.0806	249.4793	231.4781	254.833	-1.23868	5.81E-13	-0.5334	0.00413	-0.0729	0.860898
AT3G14981	AT3G14981	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G14990	D11A	319.8152	337.2225	350.242	859.8865	878.4316	1027.743	2120.989	2410.24	2390.826	309.93	268.7275	319.0592	1.436069	3.77E-30	2.749187	6E-11	-0.15959	0.547662
AT3G15000	MORF8	429.1943	314.0273	244.6543	391.7948	306.7223	279.1154	264.1231	315.0359	321.1849	230.2886	231.4781	264.1562	-0.01158	0.969007	-0.13313	0.632067	-0.43246	0.192021
AT3G15010	UBA2C	356.6712	378.2602	386.2963	254.048	208.6772	305.0333	287.245	347.4026	252.8477	352.1496	355.1992	304.5565	-0.5403	0.002596	-0.33095	0.094956	-0.14491	0.684525
AT3G15020	hMDH2	177.1467	103.4863	119.7519	100.217	112.6194	92.70619	90.70886	102.4945	104.4583	133.3755	123.7211	149.1765	-0.38966	0.090654	-0.43095	0.075331	0.007949	0.990348
AT3G15030	TPC4	583.7518	438.9245	409.4741	261.4175	304.7349	229.2734	281.0199	337.6926	336.8049	392.4501	582.6863	337.7055	-0.82014	0.000161	-0.56737	0.014441	-0.12704	0.787859
AT3G15040	AT3G15040	172.3911	124.8792	145.5049	110.5274	140.4431	110.6493	109.3843	143.4924	174.748	128.5778	115.7391	133.6315	-0.29163	0.225896	-0.05991	0.846495	-0.22688	0.58641
AT3G15050	IQD10	8.322328	3.568492	6.438272	2.474493	0.662467	0	0.889303	2.15778	2.928738	5.757214	1.330334	5.179533	-1.34803	0.033267	-0.9963	0.147046	-0.36996	NA
AT3G15055	AT3G15055	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G15060	RABA1G	40.42273	42.8219	56.65679	104.7536	89.43308	114.6367	101.3806	97.10009	140.5794	52.77446	53.21336	38.32854	1.080639	1.78E-05	1.214417	1.71E-06	0.030173	0.970025
AT3G15070	AT3G15070	278.2035	326.517	265.2568	195.0726	211.9895	201.3618	238.3333	245.9869	183.5342	254.2769	255.4241	200.9659	-0.50111	0.003987	-0.36848	0.050781	-0.28192	0.323403
AT3G15080	AT3G15080	64.20081	51.74313	63.09506	84.13278	88.10815	78.75042	47.13308	64.7334	65.40848	63.32935	30.59768	52.83123	0.460662	0.099598	-0.02931	0.940749	-0.25867	0.624484
AT3G15090	AT3G15090	105.8125	94.56504	124.9025	143.933	116.6304	131.6169	119.7568	175.2473	96.9131	94.45371	110.842	0.347681	0.134444	0.374152	0.125148	-0.10815	0.833777	
AT3G15095	AT3G15095	911.8893	884.986	818.9482	480.8766	488.2384	442.5973	578.0473	748.7496	904.98	720.6113	822.1464	712.7037	-0.27198	4.09E-08	-0.22555	0.237296	-0.21099	0.470864
AT3G15110	AT3G15110	337.6487	447.8458	466.1309	400.0431	415.367	354.8753	555.8147	499.526	554.5077	422.1957	510.8482	447.5116	-0.08857	0.650755	0.36189	0.031503	0.140337	0.648547
AT3G15111	AT3G15111	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G15115	AT3G15115	70.14533	44.60615	68.24568	40.41673	35.11077	36.88311	37.35075	40.99782	48.8123	65.24842	87.80204	95.3034	-0.68285	0.012567	-0.52062	0.084142	0.397678	0.363526
AT3G15120	AT3G15120	10.1719	287.2636	265.2568	115.0726	164.2919	188.4029	231.2189	265.4069	203.0592	247.5602	243.4511	254.833	-0.79794	1.79E-05	-0.45557	0.024888	-0.36386	0.223515
AT3G15130	PCMP-H86	26.15589	16.05821	18.25716	19.54766	17.28714	14.95261	11.5778	15.61926	11.71867	15.10978	11.97301	13.46678	-0.7745	0.074381	-0.13567	0.181455	-0.32493	0.696656
AT3G15140	AT3G15140	53.50068	46.																

AT3G16490	IQD26	19.02246	19.62671	19.31482	18.14629	16.56168	19.93682	11.56095	25.89336	15.61994	18.23118	19.95501	19.68222	-0.08155	0.872882	-0.12913	0.813558	-0.00264	0.997973
AT3G16500	IAA26	354.2934	285.4794	397.8852	447.4709	476.314	419.67	441.0945	348.4815	432.477	408.7622	368.5025	404.0035	0.360768	0.027651	0.226382	0.219378	0.17818	0.546902
AT3G16510	AT3G16510	21.40027	21.41095	16.73951	25.05532	27.16116	58.81361	52.46891	45.31338	43.93107	14.39303	13.30334	8.287252	0.905417	0.015221	1.145519	0.002194	-0.61868	0.364765
AT3G16520	UGT88A1	1645.443	1579.058	1440.885	974.1256	956.6027	717.7254	694.546	710.9885	673.6097	1329.916	1572.455	1345.643	-0.8017	6.67E-09	-1.14949	4.86E-17	-0.13424	0.626086
AT3G16530	AT3G16530	301.9816	360.4177	356.6803	383.1341	465.052	398.7363	1386.424	1206.199	1563.946	181.3522	292.6735	295.2334	0.284627	0.184058	1.981962	1.71E-28	-0.39691	0.197759
AT3G16540	DepP11	2.377808	0	2.575309	0.824831	1.987402	0	0.889303	1.07889	0	0.1919071	1.330334	1.035907	-0.31776	0.6070951	-0.47689	0.51404	-0.10821	NA
AT3G16550	DEGP12	1.188904	0	0	0	0	0	0	1.07889	0	0	0	0	-0.2127	NA	-0.02202	NA	-0.1938	NA
AT3G16552	AT3G16552	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G16555	AT3G16555	1.188904	0	0	0	0	0	0.996841	0	0	0	0	0	-0.04024	NA	-0.19161	NA	-0.1875	NA
AT3G16560	AT3G16560	196.1692	181.9931	193.1482	254.048	282.8735	249.2102	304.1418	243.8291	285.0638	155.4448	211.5231	182.3195	0.449706	0.008235	0.533093	0.001999	-0.0671	0.86931
AT3G16565	AT3G16565	53.50068	58.88012	37.34198	218.1678	173.5664	188.4029	152.0709	165.0702	161.0806	30.70514	31.92802	55.93895	1.895938	8.46E-17	1.617581	4.68E-12	-0.29848	0.556808
AT3G16570	RALF23	458.9169	471.041	413.337	364.163	309.3722	322.9764	195.6468	251.3814	360.2348	431.791	428.3675	340.8132	-0.41566	0.054603	-0.71332	0.000688	-0.15656	0.707971
AT3G16580	AT3G16580	1.188904	0	0	0	0	0	0	0.889303	0	0	1.330334	1.035907	-0.29792	NA	-0.06144	NA	0.167565	NA
AT3G16590	AT3G16590	0	0	0	0	0	0	0	0	0	0.976246	1.919071	1.330334	0	NA	0.162864	NA	0.51646	NA
AT3G16600	AT3G16600	0	1.784246	0	0	0.662467	0	1.778607	0	0.976246	0.995936	0	0	-0.18489	NA	0.212564	NA	-0.08528	NA
AT3G16610	PCMP-E91	14.26685	8.92123	14.1642	13.60971	13.24935	12.95893	14.22886	11.86779	15.61994	13.4335	10.64267	14.50269	0.055233	0.924729	0.113646	0.851841	0.022893	NA
AT3G16620	T0C120	184.2801	105.2705	121.0395	55.26369	68.8966	67.78517	58.69403	69.04896	63.45599	122.8206	139.6851	106.6984	-1.0797	3.17E-06	-1.07392	8.2E-06	-0.16499	0.735214
AT3G16630	KINESIN-13A	904.7559	872.4963	809.9346	491.5994	485.5885	585.1455	560.2612	685.0951	59.55101	46.05771	47.89202	58.01077	-0.72049	6.84E-07	-0.57102	0.000149	-0.2181	0.392259
AT3G16640	TCTP	12250.47	11399.55	11315.91	10363.18	9718.395	10008.28	9996.66	10714.46	12736.11	9284.467	8462.254	10250.3	-0.21448	0.107585	-0.0635	0.699495	-0.31731	0.068133
AT3G16650	PRL2	38.04493	32.11643	27.04074	28.45667	25.83622	30.90206	15.11816	19.42002	23.4299	32.02886	19.95501	27.96948	-0.18239	0.645464	-0.69166	0.065278	-0.4119	0.50127
AT3G16660	AT3G16660	108.1903	149.8767	78.54691	242.5004	220.6016	184.4155	208.9863	213.6202	253.824	80.60099	58.53469	55.93895	0.934917	3.76E-05	0.989008	1.63E-05	-0.72442	0.029375
AT3G16670	AT3G16670	107.0014	294.4006	169.9704	46.19054	30.47349	20.93366	54.24751	44.23449	30.26363	124.7396	102.4357	114.9856	-2.29386	1.54E-12	-1.95845	3.22E-09	-0.67277	0.189994
AT3G16680	AT3G16680	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT3G16690	SWEET16	42.80054	37.46917	41.20494	35.46774	41.07297	39.87363	48.02239	55.02339	59.55101	66.20796	61.19536	48.68761	-0.08092	0.820895	0.388584	0.212928	0.50086	0.241566
AT3G16700	AT3G16700	48.74506	33.90067	45.0679	100.6294	93.40789	91.70935	67.58706	63.65451	59.55101	46.05771	47.89202	58.01077	1.100842	2.37E-06	0.528635	0.053627	0.214036	0.679803
AT3G16710	AT3G16710	29.7226	24.97944	38.62963	27.21943	31.79843	26.9147	29.34701	31.28781	20.50117	35.50282	21.28534	38.32854	-0.12362	0.770793	-0.20165	0.647524	0.038054	0.975111
AT3G16712	AT3G16712	9.511232	8.92123	7.725926	9.485558	17.22415	7.974726	7.114428	7.55223	11.71495	5.757214	1.330334	12.43088	0.339784	0.583092	0.008285	0.991318	-0.28033	NA
AT3G16720	ATL2	55.87849	48.17464	51.50617	166.2035	158.9921	212.3271	208.097	286.9847	309.47	37.42189	35.91902	44.54398	1.700645	7.22E-14	2.272778	2.98E-24	-0.38074	0.416253
AT3G16730	CAPH2	71.33424	53.52738	75.97161	71.34879	43.06037	67.78517	55.13682	88.46897	49.7032	45.09817	69.17737	62.15439	-0.13988	0.717348	-0.10148	0.813148	-0.19281	0.769306
AT3G16740	AT3G16740	134.3461	119.5445	146.7926	215.2809	194.1029	189.3997	173.4142	196.358	246.9902	126.6587	137.0244	130.5242	0.564203	0.002551	0.599386	0.001799	-0.0329	0.950218
AT3G16750	AT3G16750	83.22328	96.34929	86.27284	106.8156	98.04516	86.72515	84.04104	105.7312	95.67211	111.3061	91.79304	101.5188	0.15117	0.533282	0.123478	0.65007	0.205169	0.603257
AT3G16760	AT3G16760	225.8917	215.8938	187.9975	219.4051	196.0903	208.3397	178.3035	197.4369	162.0568	175.595	211.5231	233.079	-0.10146	0.965307	-0.2351	0.243502	-0.02344	0.960926
AT3G16770	RAP2-3	1632.365	2246.366	1703.567	2538.005	2563.748	1835.184	1321.505	1556.838	2239.508	1488.24	1553.83	1231.693	0.305327	0.200662	-0.12045	0.671337	-0.37231	0.285974
AT3G16780	PRL9	441.0834	487.0992	439.0901	472.6282	492.2132	428.6415	277.4627	340.9292	488.123	360.7854	294.0038	487.912	0.028979	0.925328	-0.29436	0.255577	-0.24644	0.548492
AT3G16785	PIDP1	403.0384	383.6129	382.4333	330.7573	257.0373	380.7932	345.0498	391.637	230.3941	313.7682	280.7005	365.675	-0.26644	0.259483	-0.26657	0.280474	-0.27402	0.468217
AT3G16800	AT3G16800	260.37	337.2225	320.6259	65.98649	66.90919	79.74726	65.14058	58.26006	50.57416	219.788	186.2468	246.5458	-2.07092	1.7E-32	-2.28005	1.59E-34	-0.49668	0.04079
AT3G16810	APUM24	242.5364	162.3664	190.5728	212.8064	207.3523	207.3429	225.8831	211.4624	158.3479	173.6759	195.5591	187.4991	0.064433	0.801767	-0.02809	0.921979	-0.1068	0.806946
AT3G16820	AT3G16820	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G16830	TPR2	542.1402	540.6265	436.5148	409.5287	379.5937	457.5499	531.8035	622.5195	310.4462	370.3808	368.5025	349.1005	-0.27664	0.25829	-0.05072	0.871211	-0.4651	0.162286
AT3G16840	RH13	426.8165	406.8081	379.858	332.8194	341.8331	379.7963	368.1716	414.2937	475.4318	328.1612	328.5925	404.0035	-0.20382	0.230243	0.050145	0.815575	-0.18982	0.419780
AT3G16850	AT3G16850	1406.473	1404.202	1305.682	628.1089	569.0594	637.9781	531.8035	600.9417	565.2464	1143.766	1178.676	1156.072	-1.1524	1.18E-32	-1.26868	1.55E-37	-0.24101	0.113306
AT3G16851	AT3G16851	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G16857	ARR1	386.3938	388.9656	301.3111	322.9214	268.9617	329.9543	281.9092	372.217	308.4937	272.5081	272.7185	253.7971	-0.21819	0.24146	-0.15831	0.445109	-0.41989	0.085147
AT3G16860	COBL8	294.96698	16.05821	10.30123	18.5587	19.87402	33.89259	42.68657	35.60337	41.97858	15.35257	7.982004	15.5386	0.380972	0.398497	0.095646	0.006227	-0.33333	0.690195
AT3G16870	GATA17	103.4346	105.2705	113.3136	126.1992	175.5538	127.5956	130.7276	92.78453	140.5794	146.809	204.8714	139.8474	0.398382	0.113301	0.172012	0.570278	0.579051	0.085963
AT3G16880	AT3G16880	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT3G16890	PPR40	58.25629	58.88012	56.65679	43.30364	33.78583	45.85468	41.79726	53.9445	36.1211	63.32935	53.21336	47.6517	-0.479	0.088208	-0.38285	0.221373	-0.07198	0.914481
AT3G16895	AT3G16895	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G16900	AT3G16900	2.377808	3.568492	5.150617	4.124156	3.974804	3.987363	3.557214	3.23667	1.952492	0.959536	3.991002	6.215439	0.096863	0.905144	-0.20542	0.806882	-0.00259	NA
AT3G16910	AAE7	241.3475	210.544	208.6	199.1962	182.841	200.365	256.1194	320.4303	303.6125	200.5429	191.5681	154.3501	-0.18238	0.338834	0.401477	0.023353	-0.27247	0.337907
AT3G16920	CTL2	83.22328	55.31163	54.08148	40.00431	25.17376	28.90838	27.335075	23.73558	36.1212	82.52006	90.46271	61.11849	-0.952657	0.001415	-0.92325	0.003577	0.253075	0.655282
AT3G16930	AT3G16930	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G16940	CMTA6	493.3951	512.0786	464.8432	374.4733	318.6468	373.8153	479.3346	540.5239	317.2799	890								

AT3G17380	AT3G17380	30.9115	26.76369	41.20494	40.00431	52.33491	31.8989	23.12189	22.65669	23.4299	47.01725	18.62468	43.50807	0.30461	0.447515	-0.4762	0.2574	0.143067	0.862231
AT3G17390	METK4	3605.946	3711.232	3610.583	2296.33	2343.147	2689.476	1900.442	2248.407	2558.741	3152.075	2622.088	3100.468	-0.56961	2.95E-05	-0.69516	2.67E-07	-0.29572	0.1573
AT3G17400	AT3G17400	0	0	0	0.824831	0.662467	0	1.07889	0	0	0	0	0	0.286672	NA	0.168057	NA	0.173971	NA
AT3G17410	AT3G17410	571.8628	656.6025	615.4988	800.0862	817.4846	827.3778	717.6679	784.353	810.2842	422.1957	375.1542	424.7217	0.406491	0.000389	0.326668	0.007081	-0.58062	2.08E-05
AT3G17420	GPK1	109.3792	115.976	139.0667	178.9884	184.1659	157.5008	204.5398	196.358	168.8906	113.2252	105.0964	130.2542	0.50739	0.006499	0.629095	0.00082	-0.00592	0.899441
AT3G17430	AT3G17430	202.1137	212.3253	292.2975	243.3252	221.9265	242.2323	229.4403	182.3324	153.2706	246.6007	256.7545	209.5241	-0.00008	0.996829	-0.31429	0.169185	-0.00753	0.990348
AT3G17440	NPSN13	296.0371	374.6917	327.0642	362.5133	370.9817	366.8374	419.7512	407.8204	431.5007	358.8663	360.5205	376.0341	0.148127	0.208779	0.341417	0.101258	0.142533	0.560543
AT3G17450	AT3G17450	197.3581	194.4828	160.9568	161.6669	145.7428	163.4819	167.1891	202.8313	181.5818	181.3522	155.6491	161.6041	-0.22537	0.386774	-0.22537	0.989181	-0.13935	0.685929
AT3G17460	AT3G17460	21.40027	3.568492	7.725926	12.78488	9.937009	13.95577	11.56095	10.7889	8.786214	6.716749	11.97301	4.143626	0.083091	0.902051	-0.10796	0.881025	-0.48184	NA
AT3G17465	RPL3B	268.6923	248.0102	242.079	256.1101	272.9365	229.2734	232.9975	220.0935	336.8049	215.8955	200.8804	217.5404	0.001178	0.996775	0.056024	0.829546	-0.25207	0.441758
AT3G17470	CRSH	286.5259	346.1437	306.4617	249.9238	208.6772	226.2829	233.7065	304.247	186.463	309.93	321.9408	340.8132	-0.43735	0.03641	-0.19601	0.425115	-0.05298	0.916225
AT3G17480	AT3G17480	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G17490	AT3G17490	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G17500	AT3G17500	0	0	0	0	0	0	0	0	0.976246	0	0	0	0	NA	0.16673	NA	0	NA
AT3G17510	CIPK1	1665.654	1805.657	1658.499	779.4654	818.1471	881.2072	747.0149	668.9118	361.4746	1681.106	1642.962	1622.23	-1.02334	3.9E-08	-1.46552	1.38E-15	-0.05074	0.916524
AT3G17520	AT3G17520	7.133424	1.784246	0	7.42348	5.962205	4.984204	9.782338	1.07889	0	1.919071	0	0	0.558995	0.439875	0.131324	0.881915	-0.66093	NA
AT3G17530	AT3G17530	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT3G17540	AT3G17540	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT3G17550	AT3G17550	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G17560	AT3G17560	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G17570	AT3G17570	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	1.035907	0.157605	NA	0.924555	NA
AT3G17580	AT3G17580	1.188904	3.568492	1.287654	5.361402	3.312336	2.990522	0.889303	1.07889	6.833722	3.838143	7.982004	6.215439	0.558008	0.430757	0.275114	0.739394	0.924195	NA
AT3G17590	BSH	126.0238	110.6233	115.8889	230.9527	238.4882	197.3745	171.6356	192.0424	224.5366	125.6992	83.81104	102.5547	0.896801	2.31E-06	0.712745	0.000369	-0.16443	0.694775
AT3G17600	IAA31	0	1.784246	0	0	1.987402	0	0	0	0	0.995936	0	0	0.079131	NA	-0.2403	NA	-0.07435	NA
AT3G17609	HYH	29.7226	33.90067	46.35556	119.6005	129.1811	103.6714	76.4801	49.62894	96.64835	35.50282	53.21336	39.36445	1.586817	1.09E-08	0.951248	0.00175	0.180639	0.786627
AT3G17611	ATRLB14	38.04493	39.25341	42.49259	39.17948	45.71024	51.83572	40.90796	31.28781	51.74104	32.62421	46.56169	43.50807	0.161399	0.651163	0.049983	0.906705	0.020624	0.982319
AT3G17620	AT3G17620	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT3G17626	AT3G17626	7.133424	14.27397	24.46543	16.90904	25.83222	25.91786	19.56468	19.42002	23.4299	19.19071	21.28534	18.64632	0.490295	0.274079	0.388701	0.439136	0.314085	0.70827
AT3G17630	CHK19	61.82301	55.31163	59.2321	41.65397	32.4609	46.85152	46.23478	44.23449	29.28738	48.93632	38.57969	48.68761	-0.53051	0.06285	-0.53235	0.983519	-0.34842	0.483716
AT3G17640	AT3G17640	99.86793	64.23286	73.3963	18.14629	17.22415	16.94629	16.20476	20.49891	20.50117	51.81492	49.22236	51.79533	-2.06711	1.83E-14	-1.95354	9.32E-12	-0.6212	0.115464
AT3G17650	YSL5	797.7545	756.5203	656.7037	462.3179	445.178	522.3446	581.6045	623.5984	391.4746	585.3167	589.3379	686.806	-0.6169	0.000609	-0.45952	0.016146	-0.24222	0.443857
AT3G17660	AGD15	14.26685	14.27397	23.17778	20.62078	22.92734	22.92734	20.45398	17.26224	20.50117	28.78607	27.93701	19.68222	0.198285	0.668541	0.140708	0.791271	0.490722	0.462628
AT3G17668	ENA	39.23283	37.46917	39.91728	37.1174	52.33491	27.91154	41.79726	43.1556	55.64602	41.26003	31.92802	49.72351	0.01894	0.964913	0.249125	0.518163	0.077992	0.92132
AT3G17670	AT3G17670	71.33424	98.13353	72.10864	72.58114	86.12075	68.78201	96.93408	106.8101	130.817	88.27728	58.53469	104.6266	-0.06664	0.804567	0.465087	0.090773	0.082096	0.893056
AT3G17675	AT3G17675	0.051825	5.352738	2.575309	0.412416	0.662467	0	1.778607	0	0	0.959536	0	3.10772	-0.79938	0.225098	-0.62029	0.381927	0.445091	NA
AT3G17680	AT3G17680	105.8125	66.0171	79.83457	167.8531	172.2415	155.5072	129.8383	115.4412	119.102	97.87263	122.3907	109.8061	0.932825	1.57E-06	0.49642	0.02444	0.348511	0.310396
AT3G17690	CNGC19	15.45575	21.41095	7.725926	113.8267	86.12075	114.6367	189.4216	178.0168	142.5319	8.635821	9.312338	15.5386	2.631559	4.28E-18	3.306235	0.52E-28	-0.31388	0.684666
AT3G17700	CNGC20	238.9697	258.7157	227.9148	459.8434	468.3644	466.5215	342.3818	407.8204	352.4248	174.6355	155.6491	135.7038	0.934675	1.3E-11	0.597584	5.12E-05	-0.62088	0.001123
AT3G17710	AT3G17710	28.53369	19.62671	14.1642	30.10634	27.16116	31.8989	22.23259	21.5778	26.35864	21.10978	25.27635	20.71813	0.458091	0.229495	0.139975	0.777398	0.071773	0.940076
AT3G17712	AT3G17712	110.5681	92.78079	96.57408	56.08852	33.12336	76.75674	85.37313	98.17898	34.16861	94.99403	86.47171	110.842	-0.79955	0.021391	-0.42887	0.276724	-0.03406	0.971473
AT3G17715	AT3G17715	30.9115	24.97944	25.75309	35.46774	37.70663	19.93682	36.46144	28.05114	37.09735	28.78607	22.61568	29.00538	0.198831	0.624581	0.285795	0.495226	-0.02074	0.983949
AT3G17720	AT3G17720	1.188904	0	0	0.412416	0	0.996841	0	0	0	0	0	0	0.040757	NA	-0.23	NA	-0.22302	NA
AT3G17730	anao57	2.377808	1.784246	7.725926	1.649662	1.987402	1.993682	0	1.07889	1.952492	5.757214	9.312338	9.323159	-0.69089	0.311143	-1.00092	0.14666	0.741133	NA
AT3G17740	AT3G17740	259.1811	269.4212	224.0519	180.638	194.7654	227.2797	223.2152	240.5925	143.5082	218.7741	283.3611	218.5763	-0.25983	0.168512	-0.29883	0.221334	-0.06263	0.902477
AT3G17750	AT3G17750	492.2062	392.5341	356.6803	214.4561	203.3775	232.6239	256.1194	280.5114	211.8454	352.1496	323.2712	316.9874	-0.92185	1.02E-08	-0.72002	1.66E-05	-0.31884	0.224951
AT3G17760	GAD5	1.188904	0	1.287654	0.824831	1.324935	0.996841	0	0	1.952492	4.797678	1.330334	3.10772	0.02574	0.975892	-0.1503	0.857215	0.802841	0.802841
AT3G17770	AT3G17770	223.5139	253.3629	235.6407	262.7087	245.7754	291.0775	233.8868	301.0103	189.3917	232.2076	198.2198	211.3249	0.163809	0.450052	0.026824	0.930123	-0.14112	0.711842
AT3G17780	AT3G17780	78.46766	137.3869	101.7247	167.4407	149.7176	123.6083	123.6132	131.6246	234.299	115.1443	102.4357	108.7702	0.469046	0.106332	0.063536	0.380307	0.052297	0.943146
AT3G17790	PAP17	168.8244	226.5992	184.1346	57.7899	637.956	579.1645	437.5373	381.927	277.2539	210.1383	280.7005	163.6732	1.551569	1.61E-13	0.894497	6.29E-05	0.168761	0.717493
AT3G17800	AT3G17800	902.3781	1083.037	905.221	818.6449	741.9633	860.2736	784.3537	769.2485	612.1062	969.131	953.8495	850.4793	-0.25057	0.102371	-0.40807	0.006040	-0.05642	0.866496
AT3G17810	PYD1	381.6382	390.7499	403.0358	571.1956	522.6867	553.2466	478.4453	443.4238	341.6661	387.6524	412.4035	342.8851	0.480173	0.001728	0.103673	0.605064	-0.04169	0.915041
AT3G17820	GLN1-3	303.1705	239.089	320.6259	645.018	584.9586	566.2056	530.2429	495.2105	580.8664	297.456	328.5925	308.7001	1.036909	4.13E-14	0.874124	5.18E-10	-0.101259	0.749312
AT3G17830	AT3G17830	53.50068	49.95889	43.78025	41.65397	38.4231	43.86099	48.91169	35.60337	28.81163	48.93632	41.24035	51.79533	-0.23933	0.45952				

AT3G19150	KRP6	60.6341	67.80135	79.83457	198.3719	204.0399	155.5072	146.7351	151.0446	202.0829	55.65307	73.16837	62.15439	1.381217	1.31E-10	1.217813	3.66E-08	-0.13121	0.807816
AT3G19160	IPR8	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G19170	PREP1	3001.982	2553.256	2316.49	1218.688	1246.763	1363.678	2274.838	2465.264	2128.216	2664.63	2626.079	2847.707	-1.03035	4.92E-18	-0.19532	0.175793	0.047228	0.874312
AT3G19180	CDP1	304.3594	306.8903	323.2012	201.2588	197.4152	241.2355	245.4478	209.3046	175.7243	291.6988	304.6465	277.6229	-0.54538	0.000707	-0.55568	0.000871	-0.0964	0.781982
AT3G19184	AT3G19184	8.322328	5.352738	1.287654	2.886990	7.949607	3.987363	1.778607	4.31556	1.952492	7.676285	6.65167	7.251146	-0.0244	0.976016	-0.57397	0.42651	0.381482	NA
AT3G19190	ATAT62	546.8958	560.2533	422.3506	320.8953	310.0347	442.5973	465.1057	487.6583	244.0615	375.1784	443.0012	379.1348	-0.49276	0.050418	-0.53792	0.228952	-0.33901	0.419797
AT3G19200	AT3G19200	17.83356	10.70548	36.05432	16.49662	21.86142	13.95577	25.7898	21.5778	29.28778	21.10978	11.97301	22.78994	-0.29065	0.546572	0.194319	0.71823	-0.19355	0.837388
AT3G19210	CHR25	28.53369	17.84246	27.04074	35.05532	34.4483	40.87047	26.6791	25.89336	20.50117	45.09817	33.25835	40.40035	0.506179	0.136213	-0.03842	0.937233	0.625731	0.212111
AT3G19220	SC02	83.22328	82.07532	110.7383	120.0129	107.3197	80.7441	121.8346	94.94231	131.7932	75.80331	86.47171	104.6266	0.163139	0.568891	0.321529	0.246983	-0.05257	0.933652
AT3G19230	AT3G19230	4.755616	5.352738	5.150617	1.237247	0	0.996841	1.778607	7.55223	0.976246	9.595356	14.63367	9.323159	-1.43724	0.020328	-0.38949	0.609745	0.883554	NA
AT3G19235	AT3G19235	0	0	0	0	0	0	0	0	0.976246	0	0	0	#N/A	#N/A	0.16673	NA	0	NA
AT3G19240	AT3G19240	238.9697	228.3835	238.2161	517.994	494.8631	579.1645	487.3383	447.7393	518.3866	187.1094	119.7301	196.8222	1.147902	1.87E-12	1.020869	7.97E-10	-0.46451	0.07143
AT3G19250	AT3G19250	23.77808	17.136984	12.87654	29.28151	20.53649	36.88311	21.34328	11.86779	18.54867	11.51443	10.64267	9.323159	0.816163	0.061165	0.16641	0.779488	-0.44117	0.603681
AT3G19260	LAG2	59.86793	119.5445	95.28642	162.4917	186.1533	209.3366	227.6617	182.3324	246.014	94.03449	93.12338	105.6625	0.804979	3.39E-05	1.04497	5.58E-08	-0.08953	0.855952
AT3G19270	CYP707A4	19.00227	32.11643	20.60247	36.70499	40.4105	34.88943	20.45398	24.81447	15.61994	33.58375	31.92802	21.75404	0.588038	0.094573	-0.23674	0.603644	0.240623	0.737955
AT3G19274	AT3G19274	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G19280	FUT11	82.03437	76.72258	74.68395	98.97974	100.0326	94.69987	95.15547	94.94231	89.81463	102.6703	109.0874	84.94434	0.322152	0.1394	0.251014	0.3061	0.327759	0.340957
AT3G19290	ABF4	342.4043	376.4759	364.4062	456.9565	465.7145	411.6952	497.1206	553.4705	539.864	365.5831	375.1542	368.7827	0.304855	0.016878	0.505086	6.97E-06	0.036513	0.907542
AT3G19300	AT3G19300	59.4452	49.95889	46.35556	35.05532	43.06037	42.86415	17.78607	36.68226	20.50117	48.93632	51.88302	41.43626	-0.35945	0.265414	-1.00356	0.00156	-0.13071	0.849248
AT3G19310	AT3G19310	2.377808	0	6.438272	0.412416	0.662467	0	1.778607	1.07889	1.952492	1.919071	3.991002	4.143626	-1.17012	0.073691	-0.46729	0.546627	0.078741	NA
AT3G19320	AT3G19320	0	1.784246	0	0.412416	0	0	0.889303	0	0	0	0	0.1035907	-0.19389	NA	-0.09388	NA	-0.07005	NA
AT3G19325	AT3G19325	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	0	NA	0.172362	NA
AT3G19330	AT3G19330	27.34479	14.27397	25.75309	42.89122	38.4231	33.89259	39.12935	36.68226	26.35864	18.23118	25.27635	12.43088	0.693841	0.052148	0.515368	0.198493	-0.29737	0.688451
AT3G19340	AT3G19340	456.5391	471.0041	486.7333	331.5821	359.0573	370.8248	399.2973	349.5603	284.0876	538.2995	593.329	479.6247	-0.4104	0.009365	-0.44453	0.006227	0.18363	0.511153
AT3G19350	MPC	1.188904	1.784246	0	0	1.324935	0	0.889303	1.07889	0.976246	0	0	0	-0.25123	NA	0.045172	NA	-0.49813	NA
AT3G19360	AT3G19360	52.31177	44.60615	48.93086	55.26369	70.22153	55.82308	62.25124	71.20674	56.62227	45.09817	65.18636	58.01077	0.289711	0.315646	0.352625	0.243557	0.174663	0.754476
AT3G19370	AT3G19370	452.9724	342.5581	352.9679	134.0351	139.1181	144.5419	159.1853	155.3602	174.748	335.8375	344.5565	347.0287	-1.13682	7.04E-16	-1.35826	5.83E-11	-0.08957	0.819722
AT3G19380	PUB25	173.58	146.3082	151.9432	95.68041	94.73282	89.71567	90.70896	99.25787	135.6982	110.3466	142.3457	102.5547	-0.73142	0.000387	-0.52458	0.018502	-0.41086	0.209639
AT3G19390	AT3G19400	3.566712	5.352738	1.287654	15.67179	4.637271	12.95893	15.11816	14.02557	18.54867	3.838143	1.330334	2.071183	1.24464	0.028332	1.656486	0.00321	-0.24099	NA
AT3G19400	AT3G19400	347.16	340.791	347.6667	308.0744	367.0069	356.869	254.3408	240.5925	283.1113	354.0686	347.2172	321.131	-0.01086	0.955748	-0.40682	0.006356	-0.01915	0.960974
AT3G19410	AT3G19410	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G19420	ATPEN2	1034.346	942.0819	909.084	853.7002	820.1345	899.1504	894.6393	980.711	824.9279	816.5648	937.8854	837.0125	-0.1659	0.212786	-0.09635	0.525116	-0.15636	0.469433
AT3G19430	AT3G19430	1.188904	0	1.287654	0.412416	0.662467	1.993682	1.778607	0	1.952492	0.995356	1.330334	1.035907	-0.00833	0.992179	0.174948	0.829999	0.089626	0.715153
AT3G19440	AT3G19440	45.17835	39.25341	46.35556	47.42779	60.94699	41.86731	40.01866	40.99782	36.1211	46.05771	29.26735	31.0772	0.190867	0.574807	-0.15846	0.682329	-0.27197	0.637513
AT3G19450	CAD4	652.7083	661.9553	630.9506	570.7832	561.1098	420.6668	361.9465	352.797	539.864	617.9409	554.7493	596.6822	-0.31382	0.113864	-0.61763	0.001093	-0.13263	0.726823
AT3G19460	RTNLB11	171.2022	185.5166	173.8333	256.9349	307.3848	258.1818	304.1418	248.1447	301.66	177.5141	171.6131	169.8882	0.625286	8.26E-05	0.680399	2.56E-05	-0.0273	0.952771
AT3G19470	AT3G19470	39.23383	32.11643	42.49259	47.84021	39.74804	27.91154	25.7898	28.05114	14.64369	32.62421	27.93701	36.25673	0.042462	0.923494	-0.68494	0.064679	-0.21918	0.753042
AT3G19480	PGDH3	343.5932	314.0273	337.3654	169.5028	202.0525	189.3997	276.5734	307.4836	245.0377	361.7449	371.1632	331.4901	-0.82341	9.23E-09	-0.26362	0.113494	0.091997	0.799636
AT3G19490	ATNH11	649.1416	578.0957	567.8556	514.6946	584.2961	626.016	602.9478	669.9907	578.9139	624.6577	521.4909	595.6463	-0.0628	0.720739	0.041939	0.829615	-0.04207	0.900606
AT3G19500	BHLH113	7.133424	8.92123	6.438272	10.31039	6.624673	6.977885	6.252124	6.47334	12.6612	9.593536	2.666068	7.251346	0.111815	0.021587	0.149961	0.83907	-0.10506	NA
AT3G19505	AT3G19508	9.511232	16.05821	7.725926	31.756	32.4609	16.94629	33.79533	11.86779	47.86305	9.716749	9.782004	13.46678	1.104411	0.072682	1.265125	0.010096	-0.16379	0.889862
AT3G19510	HAT3.1	184.2801	162.3664	157.0938	145.9951	146.4053	155.5072	177.8607	169.3857	140.5794	157.3638	164.9614	142.9551	-0.17383	0.372196	-0.04827	0.843245	-0.11876	0.74422
AT3G19515	AT3G19515	319.8152	342.5572	392.7344	227.241	178.2037	214.3208	278.352	335.5348	229.4178	368.6417	411.0732	399.8599	-0.75001	1.41E-05	-0.31849	0.105413	0.156311	0.644845
AT3G19520	AT3G19520	328.1375	419.2978	373.4198	525.8299	584.9586	509.3856	571.8221	494.1316	477.3843	452.9008	452.3135	378.1059	0.530475	0.000363	0.461393	0.002984	0.197127	0.467997
AT3G19530	AT3G19530	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G19540	AT3G19540	262.7478	194.4828	198.2988	270.5446	271.6116	316.9954	246.3371	305.3259	257.7289	128.5778	139.6851	164.7091	0.370691	0.048295	0.288541	0.160513	-0.59071	0.015721
AT3G19550	AT3G19550	34.47821	14.27397	42.49259	23.9201	19.21155	17.94313	9.782338	10.7889	18.54867	44.13864	35.91902	18.64632	-0.52255	0.242214	-1.07858	0.015194	0.076396	0.942682
AT3G19555	AT3G19553	808.4547	1086.606	869.1667	569.5459	584.2961	729.6874	815.4913	786.5108	658.966	738.8424	731.6837	738.6014	-0.54471	0.000548	-0.28152	0.110786	-0.31445	0.200315
AT3G19560	AT3G19560	0	0	0	0	0	0	1.07889	0.976246	0	0	0	0	0	NA	0.333168	NA	0	NA
AT3G19570	SC03	146.2352	155.2294	126.1901	108.4653	95.39529	113.6398	180.5126	106.8101	86.85899	112.2657	102.4357	116.0215	-0.41709	0.029766	-0.53097	0.007892	-0.35205	0.244959
AT3G19580	AZF2	53.50068	53.52738	60.51975	110.115	124.5438	131.5583	180.5286	159.6757	132.7695	51.81492	42.57069	40.40035	1.076812	9.48E-07	1.463174	2.37E-11	-0.29637	0.521925
AT3G19590	BUB3.1	101.0568	117.7602	112.0259	124.9619	146.4053	114.6367	117											

AT3G21830	ASK8	0	0	0	0.824831	0	0.996841	0.889303	0	0.976246	0.959536	0	0	0.326419	NA	0.330505	NA	0.17148	NA
AT3G21840	ASK7	0	0	0	1.237247	2.649869	0.996841	2.66791	0	0	0	0	1.035907	0.736892	NA	0.419542	NA	0.14966	NA
AT3G21850	ASK9	0	0	0	0.824831	0	1.93682	0	0	0	0.959536	0	1.035907	0.478932	NA	0	NA	0.350903	NA
AT3G21860	ASK10	0	0	0	1.237247	0.662467	0	0	1.07889	0	0	0	0	0.354932	NA	0.164413	NA	0	0.87267
AT3G21865	PEX22	288.9037	344.3595	361.8309	488.7125	490.8882	485.4615	444.6517	498.4472	529.1253	306.0919	278.0398	367.7468	0.552709	0.000231	0.558543	0.000273	-0.05693	0.878267
AT3G21870	CYCU1-1	32.10041	21.41095	42.49259	27.21943	25.17376	15.94945	33.79353	17.26224	22.45366	26.867	21.28534	40.40035	-0.43255	0.298582	-0.35376	0.443819	-0.11273	0.900456
AT3G21880	COLI2	0	0	0	0.662467	0	0	0	0	0	0	1.330334	0	0.101524	NA	0	NA	0.179327	NA
AT3G21890	AT3G21890	9.511232	10.70548	6.438272	13.1973	15.89921	7.974726	6.225124	1.07889	2.928738	12.47396	5.321336	10.35907	0.446182	0.446277	-0.93052	0.123537	0.104284	NA
AT3G21900	CRSP16	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G21910	CRSP17	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G21920	CRSP18	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0.172362	NA
AT3G21930	CRSP19	1.188904	0	0	0	0	0	0.889303	0	0	0	0	0	-0.20902	NA	-0.03919	NA	-0.19148	NA
AT3G21933	AT3G21933	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT3G21937	AT3G21937	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT3G21940	CRSP22	0	0	0	0.662467	0.996841	0	0	0	0	0	0	0	0.262313	NA	0	NA	0	NA
AT3G21945	AT3G21945	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G21950	AT3G21950	142.6685	135.6027	149.3679	35.05532	31.79843	31.8989	35.57214	29.13003	32.21612	160.2424	196.8894	117.0574	-0.202302	3.03E-19	-2.04107	1.49E-17	0.137894	0.769636
AT3G21960	CRSP24	0	0	0	0	0	0	0.889303	0	0.976246	0	0	0	0	NA	0	NA	0	NA
AT3G21965	AT3G21965	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G21970	CRSP26	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT3G21980	AT3G21980	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G21985	AT3G21985	0	3.568492	0	0.662467	0	0	0	0	0	0	0	0	-0.33256	NA	-0.44761	NA	-0.44051	NA
AT3G21990	CRSP29	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT3G22000	CRSP30	0	0	0	0	0	0	0	0	0	0.959536	1.330334	0	0	NA	0	NA	0.366448	NA
AT3G22010	CRSP31	0	0	0	0	0	0	0	0	0.976246	0	0	1.035907	0	NA	0.14724	NA	0.156349	NA
AT3G22020	AT3G22020	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G22022	AT3G22022	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G22030	AT3G22030	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0.172362	NA
AT3G22040	CRSP34	0	1.784246	0	0.412416	0	0	1.07889	0	0	0	0	0	-0.17692	NA	-0.06876	NA	-0.25664	NA
AT3G22050	CRSP35	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT3G22053	AT3G22053	0	0	0	0.662467	0	0.889303	0	0	0	0	0	0	0.097058	NA	0.130384	NA	0	NA
AT3G22057	AT3G22057	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G22060	CRSP38	237.7808	267.6369	231.7778	512.6326	571.7093	523.3414	343.2711	279.4325	397.3321	165.0401	145.0064	175.0682	1.110867	6.57E-13	0.466131	0.007317	-0.58116	0.00894
AT3G22070	AT3G22070	2.377808	5.352738	6.438272	5.361402	1.324935	5.981045	1.778607	3.23667	1.952492	1.919071	3.991002	4.143626	-0.07418	0.928863	-0.60027	0.414799	-0.30309	NA
AT3G22072	AT3G22072	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0.172362	NA
AT3G22080	AT3G22080	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G22090	AT3G22090	0	1.784246	0	0	0	0	0	0	0.959536	0	1.035907	0	-0.31953	NA	-0.28588	NA	0.1084	NA
AT3G22100	BHLH117	1.188904	1.784246	0	0	2.649869	0	1.07889	0.976246	1.919071	1.330334	0	0	-0.02511	0.973694	-0.11895	0.875381	0.0551	NA
AT3G22104	AT3G22104	403.0384	372.9074	421.063	257.3473	288.1733	271.1407	360.1679	330.1403	273.3489	410.6812	448.3225	439.2244	-0.54902	0.000116	-0.31038	0.049275	0.111489	0.70062
AT3G22110	PAC1	1034.346	1234.698	1143.437	1466.962	1415.693	1324.801	1132.083	1146.86	1244.714	1189.824	1134.775	995.5062	0.302908	0.014348	0.048116	0.773127	-0.03692	0.900032
AT3G22120	CWLP	1222.193	667.308	597.4716	902.7777	1301.086	933.043	780.8085	720.6985	1024.082	335.8375	435.0192	487.912	0.317888	0.280264	0.01958	0.959457	-0.93675	0.003959
AT3G22121	AT3G22121	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G22133	AT3G22133	0	0	0	0	0	0.996841	0	0	0	0	0	0	0.15625	NA	0	NA	0	NA
AT3G22136	AT3G22136	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G22142	AT3G22142	460.1058	171.2876	189.2852	48.25262	54.32232	65.79149	69.36567	71.20674	33.19236	203.4216	234.1388	96.33931	-1.91991	1.77E-05	-1.87617	3.52E-05	-0.53228	0.51943
AT3G22150	PCMP-E95	405.4162	422.8663	399.1728	240.8507	228.5512	293.0712	456.2127	523.2616	364.1398	478.8083	460.2956	453.7271	-0.68081	0.000116	-0.128482	0.528492	0.110833	0.547432
AT3G22160	VQ22	11.88904	10.70548	7.725926	94.03075	95.39529	98.68724	72.03358	61.49673	95.77809	7.676285	7.982004	9.323159	2.944855	5.18E-19	2.64692	4.33E-15	-0.24516	0.788699
AT3G22170	FHY3	607.5299	597.7224	553.6914	466.8544	356.4074	519.354	532.6928	613.8884	382.6808	538.2995	576.0346	55.964	-0.38201	0.056652	-0.19739	0.392276	-0.05613	0.903463
AT3G22180	PAT20	95.11232	133.8185	95.28642	118.7757	115.2693	125.6019	151.1816	131.6246	103.4821	94.03449	93.12338	99.44703	0.160247	0.519228	0.265174	0.284477	-0.1537	0.732845
AT3G22183	AT3G22183	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G22190	IDQ5	170.0133	158.7979	149.3679	152.5938	152.3675	204.3524	197.4254	215.778	171.8193	161.202	178.2648	149.1705	0.073872	0.758298	0.281941	0.18822	0.025411	0.961391
AT3G22200	POP2	445.839	454.9827	460.9803	457.3689	387.5434	469.512	630.5162	692.6473	491.0517	431.791	304.6465	504.7432	-0.05021	0.854057	0.402219	0.071252	-0.08631	0.856842
AT3G22210	AT3G22210	61.6909	124.8972	144.2173	178.1635	235.1759	137.564	251.6729	196.358	550.6027	152.5662	151.6581	269.3357	0.307051	0.53242	1.060609	0.013521	0.357511	0.654429
AT3G22220	AT3G22220	252.0476	294.4006	253.6679	210.7444	235.1759	256.1881	258.7873	257.8547	188.4155	252.3579	282.0308	252.7612	-0.18662	0.336081	-0.17365	0.408691	-0.02026	0.965712
AT3G22230	RPL27B	620.6079	599.5067	651.5531	1020.729	1001.651	616.0476	779.9192	538.3661	1390.174	666.8773	783.5667	963.3931	0.468074	0.129867	0.502605	0.11511	0.345453	0.502868
AT3G22231	PC1	520.7399	440.7088	522.7877	1644.713	2025.162	1476.321	255.2301	162.9124	342.6623	295.537	377.8148	234.1149	1.72503	3.21E-14	-0.92284	0.000174	-0.68414	0.038744
AT3G22232	AT3G22232	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G22234	AT3G22234	0	0	0	4.124156	1.324935	5.981045	2.66791	1.07889	1.952492	0	1.330334	1.035907	1.411413	0.022545	0.81768	0.231736	0.318665	NA
AT3G22235	AT3G22235	306.7372	278.3424	256.2432	1122.183	1176.542	863.2641	119.1667	105.7312	276.2776	118.0229	138.3547	139.8474	1.814739	6.27E-12	-0.70415	0.019208	-1.02247	0.003816
AT3G22237	AT3G22237	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G22238	AT3G22238	1.188904	0	0	3.71174	1.987402	1.993682	1.778607	0	0	0	0	1.035907	0.894543	0.147231	0.06068	0.93946	-0.06895	NA
AT3G22240	AT3G22240	115.3237	98.13353	137.779	501.9098	637.2935	367.8342	78.25871	45.31338	155.2231	46.05771	61.19536	67.33392	1.953251	3.71E-10	-0.30798	0.455172	-0.92301	0.04782
AT3G22250	UGT82A1	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G22260	AT3G22260	70.14533	76.72258	78.54691	163.3166	147.0677	160.4914	126.2811											

AT3G22630	PBD1	184.2801	233.7362	251.0926	348.9036	339.1832	296.0617	273.0162	282.6692	400.2609	168.8783	142.3457	214.4327	0.546379	0.010679	0.502378	0.024915	-0.32949	0.360955
AT3G22640	PAP85	2.377808	1.784246	0	1.649662	0.662467	1.993682	0.889303	5.39445	0	0	0	0	0.038498	0.962645	0.245024	0.754934	-0.63194	NA
AT3G22650	AT5FL61	0	0	0	0	0.662467	0	1.778607	0	0.976246	0	0	0	0.097496	NA	0.455475	NA	0	NA
AT3G22660	AT3G22660	244.9142	233.7362	231.7778	226.8286	241.8006	237.2481	148.5137	200.6735	274.3251	194.7857	158.3097	209.2531	-0.01022	0.971985	-0.185	0.480347	-0.3233	0.365742
AT3G22670	AT3G22670	43.98945	32.11643	46.35556	18.5887	24.51129	18.93997	13.33995	29.13003	24.40615	38.38143	29.26735	36.25673	-0.9237	0.005821	-0.83205	0.021068	-0.22416	0.744093
AT3G22680	RD1	110.5811	98.13353	104.33	134.0351	154.3549	113.6398	118.2774	101.4157	110.3158	116.1038	118.3997	93.23159	0.354675	0.059015	0.071008	0.804741	-0.55696	0.914481
AT3G22690	PCMP-H56	52.31177	26.76369	30.9037	28.04426	23.84882	32.89575	28.45771	34.52448	20.50117	24.94793	19.95501	33.14901	-0.37789	0.325154	-0.39079	0.346699	-0.46306	0.455485
AT3G22700	AT3G22700	0	0	0	0.824831	0.662467	0	0.889303	0	0	0	0	0	0.28583	NA	0.151646	NA	0	NA
AT3G22710	AT3G22710	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.065109	NA	0	NA	0	1.50531
AT3G22720	AT3G22720	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G22730	AT3G22730	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0	1.72362
AT3G22730	AT3G22730	0	0	0	0	0	0	0.889303	0	0	0	1.330334	0	0	NA	0.141773	NA	0	1.83636
AT3G22740	HMT3	148.613	139.1712	137.779	173.2145	164.2919	129.5893	176.0821	213.6202	193.2967	197.6643	154.3187	178.1759	0.141839	0.521265	0.439162	0.026979	0.313234	0.307529
AT3G22750	AT3G22750	177.1467	201.6198	166.1074	94.03075	131.831	95.69671	136.6304	103.5734	158.1519	174.6355	155.6491	196.8222	-0.73287	0.000549	-0.43177	0.065531	-0.03782	0.947063
AT3G22760	TCX3	140.2907	137.3869	137.779	95.268	100.0326	115.6335	242.7799	118.6779	72.2422	159.2829	139.6851	152.2783	-0.41726	0.055669	-0.42241	0.068636	0.118914	0.791193
AT3G22770	AT3G22770	0	0	1.287654	1.237247	0.662467	0.996841	0	0	0	0	0	0	0.31759	NA	-0.28362	NA	-0.05179	NA
AT3G22780	TSO1	428.0054	396.1026	394.0222	254.8728	241.8006	313.008	277.4627	318.2725	184.5105	421.2361	385.7969	419.5211	-0.58075	0.00268	-0.62853	0.001461	0.010074	0.986297
AT3G22790	NET1A	650.3305	392.5341	418.4877	181.8753	170.2541	226.2829	210.7649	267.5647	179.6293	500.8776	545.4369	471.3375	-1.30358	3.91E-10	-1.11944	1.44E-07	0.048298	0.930805
AT3G22800	LRX6	2.377808	0	2.575309	0.824831	1.987401	0.996841	0.889303	2.15778	1.952492	3.838143	1.330334	5.179533	-0.2606	0.742654	-0.0603	0.946295	0.542549	NA
AT3G22810	AT3G22810	29.72266	39.25341	34.76667	29.28151	24.51129	35.88627	30.23632	47.47116	22.45366	47.97678	41.24035	51.79533	-0.20046	0.610199	-0.04488	0.925246	-0.33176	0.442265
AT3G22820	EPFL5	0	7.136984	0	5.361402	2.649869	4.984204	1.778607	2.15778	1.952492	2.878607	3.991002	4.134266	0.631471	0.36714	-0.04865	0.956991	0.142072	NA
AT3G22830	HSFA68	0	0	0	1.237247	0.662467	2.990522	4.465157	3.23667	6.833722	0	0	0	0.688848	0.305267	1.678559	0.065977	0.424377	NA
AT3G22840	ELP1	17.83356	23.1952	18.02716	17.32145	15.89921	7.974726	5.358821	4.31556	4.88123	19.19071	14.63367	10.35907	-0.38113	0.43991	-1.60056	0.000814	-0.34082	NA
AT3G22845	AT3G22845	351.9156	422.8663	404.3235	941.1323	880.419	686.8233	658.0846	572.8906	770.2581	506.6348	532.1336	464.0861	1.074397	2.29E-11	0.751457	7.25E-06	0.344535	0.19322
AT3G22850	173.58	135.6027	159.6691	279.2053	274.2615	244.226	242.7799	219.0147	263.5864	222.6123	254.0938	217.5403	0	0.746342	2.63E-06	0.607012	0.000292	0.539201	0.012475
AT3G22860	TIF3C2	0	0	0	0	0.662467	0	1.778607	0	0.976246	1.919071	0	0	0.053426	NA	0.465467	NA	0.497049	NA
AT3G22870	AT3G22870	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G22880	DMC1	58.25629	46.3904	48.93086	76.7093	74.19633	58.81361	60.47264	44.23449	40.02609	57.57214	43.91012	63.1903	0.434468	0.123124	-0.08551	0.824121	0.095878	0.882004
AT3G22886	MIR167A	3.566712	3.568492	1.287654	7.011065	10.59948	7.974726	3.570714	4.31556	10.73871	5.757214	9.312338	6.215439	1.069562	0.070268	0.707724	0.294032	0.832071	NA
AT3G22890	APS1	4952.974	3853.971	3861.675	2702.559	2296.112	2793.148	2779.073	3360.742	3500.818	4218.119	3895.218	3552.123	-0.69098	3.4E-06	-0.38857	0.015828	-0.11758	0.701627
AT3G22900	NRDP7	24.96698	21.41095	11.58889	23.9201	32.4609	25.91786	21.34328	16.18335	28.31113	27.82653	19.95501	24.86176	0.453869	0.269755	0.167419	0.746037	0.302457	0.691704
AT3G22910	ACA13	23.77808	24.97944	16.73951	120.8378	119.9066	149.5261	176.0821	186.648	134.7219	27.82653	25.27635	17.61041	2.41799	2.23E-19	2.764366	5.28E-25	0.096671	0.911082
AT3G22920	CYP26-1	0	0	0	1.237247	0.662467	0.996841	0.889303	0	0	0	0	0	0.561354	NA	0.161554	NA	0	NA
AT3G22930	CM1L1	4.755616	7.136984	6.438272	48.25262	49.68505	36.88311	43.57587	30.20892	60.52725	18.23118	13.30334	6.215439	2.408773	5.92E-09	2.389919	1.22E-08	0.756299	0.319262
AT3G22937	AT3G22937	0	0	2.575309	0	0	0.996841	0	1.07889	0	0	0	0	-0.24328	NA	-0.20989	NA	-0.37801	NA
AT3G22940	AT3G22940	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT3G22942	GG2	28.53369	28.54794	20.60247	51.55195	69.55906	46.85152	48.91169	36.68226	75.17094	24.94793	27.93701	23.82585	1.035413	0.001888	0.97187	0.005317	-0.02153	0.983854
AT3G22945	AT3G22945	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G22950	ARFC1	249.6698	256.9314	300.0235	414.8901	451.1402	393.7521	353.0535	367.9015	419.7858	246.6007	284.6915	273.4793	0.634269	9.31E-06	0.490596	0.001197	-0.00829	0.986011
AT3G22955	AT3G22955	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G22960	PKP1	2443.198	2242.797	2114.328	1500.78	1399.793	1536.132	1614.975	1879.426	1810.936	2302.886	2507.68	1945.432	-0.6098	1.26E-06	-0.35479	0.008788	-0.01024	0.978296
AT3G22961	AT3G22961	10.70014	5.352738	6.438272	2.474493	4.637271	3.987363	3.557214	8.63112	7.809968	1.919071	6.65167	6.215439	-0.78972	0.195691	-0.15235	0.845489	-0.48126	NA
AT3G22968	CPuORF59	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G22970	AT3G22970	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G22980	AT3G22980	161.6909	164.1506	105.5877	83.30795	76.18374	97.6904	114.7201	127.309	91.76712	100.7512	121.0604	133.6319	-0.72375	0.001447	-0.35314	0.173355	-0.26637	0.521894
AT3G22990	IFR	237.7808	230.1677	262.6815	279.6178	312.6846	314.0048	298.806	291.3003	285.0638	257.1555	292.6735	233.079	0.298696	0.052007	-0.253725	0.128635	-0.089962	0.781547
AT3G23000	CIKPK	1532.497	1612.958	1649.485	1024.44	1014.237	871.2388	802.1517	713.1462	1061.179	1120.738	987.1078	1239.98	-0.70619	8.52E-06	-0.87958	2.27E-08	-0.50807	0.015721
AT3G23010	AIRLP36	36.85602	64.23286	55.36914	103.5163	94.07035	131.583	104.9378	101.4157	39.04984	25.90746	26.60668	27.96948	1.006299	0.002506	0.613308	0.988581	-0.84555	0.005129
AT3G23020	AT3G23020	71.33424	55.31163	54.08148	34.23049	38.4231	39.87363	38.24005	56.10228	43.93107	42.21957	61.19536	53.86714	-0.67121	0.104541	-0.38313	0.225292	-0.2106	0.699113
AT3G23030	IAA2	741.8761	860.0066	988.9185	1236.009	1362.695	1283.931	1254.807	1147.939	1537.587	780.1025	864.7171	947.8545	0.574269	0.000216	0.595596	0.000148	0.001064	0.997973
AT3G23040	AT3G23040	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G23050	IAA7	1575.298	1885.948	1749.922	1582.851	1636.294	1502.239	1057.382	1065.943	1276.93	1524.702	1798.612	1479.275	-0.13886	0.361488	-0.6073	3.4E-06	-0.11618	0.653508
AT3G23060	AT3G23060	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G23070	ATCFM3A	502.9064	449.63	419.7753	216.5182	219.2767	206.346	269.459	339.8503	310.4462	344.4733	332.5835	411.2549	-1.07787	6.17E-14	-0.57217	0.000173	-0.32888	0.147272
AT3G23080	AT3G23080	1392.207	1543.373	1500.117	844.2147	859.2201	767.5674	691.8781	646.2551	606.2488	1588.031	1705.488	1509.316	-0.83371	1.43E-15	-1.17782	0.40E-29	0.114332	0.580478
AT3G23085	AT3G23085	2.377808	1.784246	3.862963	0.824831	0.662467	0.99684												

AT3G23460	AT3G23460	0	0	1.287654	1.237247	0	0	0	0	0.976246	0	0	0	0.025832	NA	-0.04681	NA	-0.20208	NA
AT3G23470	AT3G23470	8.322328	24.97944	11.58889	10.31039	9.274542	7.974726	19.56468	19.42002	19.52942	12.47396	7.982004	8.287252	-0.51906	0.296316	0.405989	0.444296	-0.4595	NA
AT3G23480	AT3G23480	38.8376	380.0444	355.3926	307.2496	280.2237	274.1312	385.0684	297.7736	31.92492	291.6988	279.3701	342.8851	-0.30607	0.056316	-0.07514	0.714511	-0.22406	0.397135
AT3G23490	CYN	526.6844	690.5032	634.8136	922.5736	887.7061	840.3368	964.8943	868.5064	1095.348	904.8421	953.8495	748.9604	0.513671	0.000808	0.654698	1.59E-05	0.488317	0.01405
AT3G23510	AT3G23510	83.22328	71.36984	84.98519	54.43886	53.65985	73.76622	35.57214	33.44559	20.50117	58.53167	46.56169	50.75942	-0.40497	0.153366	-1.34811	1.08E-07	-0.5916	0.128639
AT3G23530	AT3G23530	696.6977	547.7635	553.0889	369.1119	331.8961	353.8785	317.4813	306.4047	270.4201	540.2186	473.5989	542.815	-0.74836	1.93607	-0.47876	1.58E-11	-0.18984	0.470766
AT3G23540	AT3G23540	228.2696	194.4828	217.6136	229.3034	215.3019	225.286	208.097	213.6202	153.2706	198.6239	164.9614	168.8528	0.059299	0.79145	-0.15814	0.467567	-0.26204	0.38561
AT3G23550	LALS	30.9115	42.8219	41.20494	68.8734	74.8588	91.70935	95.2444	923.5298	815.1654	31.66648	27.93701	46.61579	0.963244	4.44E-05	4.435857	7.2E-101	-0.08661	0.893141
AT3G23560	ALF5	123.646	107.0548	117.1765	256.9349	292.1481	315.0017	319.2599	288.0636	231.3703	101.7108	95.78405	135.7038	1.267143	1.63E-11	1.230023	1.18E-10	-0.06276	0.902602
AT3G23570	AT3G23570	288.9037	333.654	316.763	449.533	416.0294	420.6668	579.8259	507.0783	715.5883	363.664	339.2352	469.2657	0.447522	0.013119	0.924447	4.96E-08	0.317187	0.265295
AT3G23580	RNR2A	326.9486	315.8115	339.9407	409.5287	424.6415	417.6763	449.9876	414.2937	349.4961	370.3808	300.6555	379.1418	0.341917	0.026026	0.299056	0.068174	0.097031	0.762813
AT3G23590	MED33A	573.0517	487.0992	432.6519	242.9128	235.8383	322.9764	281.9092	330.1403	270.4201	413.5599	383.1362	470.3016	-0.88776	2.01E-07	-0.74483	2.38E-05	-0.23136	0.457847
AT3G23600	AT3G23600	789.4322	877.849	982.4803	1565.53	1666.768	1404.549	1208.563	1294.668	1881.226	855.9058	667.8277	976.8599	0.786919	4.64E-05	0.707634	0.000305	-0.07992	0.863358
AT3G23605	PUX12	24.96698	41.03766	33.47901	78.77137	96.05775	48.8452	67.58706	58.26006	106.4108	45.09817	46.56169	47.6517	1.110429	0.000567	1.147607	0.00049	0.456724	0.235131
AT3G23610	DSPTP1	38.04493	26.76369	43.78025	52.37678	49.68505	46.85152	53.35821	34.52448	56.62227	51.81492	58.53469	48.68761	0.411628	0.182775	0.369994	0.274615	0.497937	0.439945
AT3G23620	AT3G23620	243.7253	283.6951	337.3654	328.6952	365.6819	338.9259	333.4888	234.1191	352.4248	266.7509	208.8624	339.7773	0.2493	0.299606	0.088705	0.761965	-0.0779	0.879034
AT3G23630	IP77	1.188904	1.784246	0	6.598649	3.312336	2.990522	1.778607	1.07889	0	0	0	1.035907	1.150646	0.074561	-0.019	0.982312	-0.31134	NA
AT3G23633	AT3G23633	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT3G23635	RTFL13	2.377808	1.784246	0	4.365671	5.299738	3.987363	5.335821	3.23667	7.809968	3.838143	0	0.2071813	0.908936	0.167947	1.063644	0.115568	0.210971	NA
AT3G23637	DVL21	0	0	0	2.886909	1.987402	0.996841	2.66791	1.07889	3.904984	0	1.330334	0	0.930928	0.141457	1.06829	0.095525	0.151314	NA
AT3G23640	HGL1	798.9435	831.4587	719.7988	517.1691	416.0294	635.9844	528.2463	647.334	419.7858	711.9754	577.3649	706.4883	-0.56987	0.004033	-0.54449	0.007693	-0.22763	0.523736
AT3G23645	AT3G23645	0	0	0	0.412416	0	0.996841	0	0	0	0	0	1.330334	0	0	0.247049	NA	0.204255	NA
AT3G23650	AT3G23650	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G23660	AT3G23660	379.2604	314.0273	337.3654	305.5999	286.8483	365.8406	375.2861	388.4004	261.6339	300.3347	332.5835	270.3716	-0.11016	0.628633	-0.01083	0.968201	-0.19128	0.587922
AT3G23670	KIN12B	174.7689	103.4863	136.4914	136.5096	120.569	156.504	130.7276	166.1491	117.1495	152.5662	176.9344	172.9964	-0.02527	0.934286	-0.02087	0.948451	0.250515	0.531948
AT3G23680	AT3G23680	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0.322821	NA
AT3G23685	AT3G23685	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G23690	BHLH77	496.9618	553.1163	520.2124	549.3375	490.2258	573.1834	494.4527	523.2616	424.667	521.0278	445.6619	506.5583	0.039311	0.828579	-0.11909	0.487774	-0.08567	0.717179
AT3G23700	AT3G23700	1761.9556	1957.318	1758.936	190.2098	1121.557	1129.421	1767.046	1696.015	1573.709	1822.158	2084.633	1877.063	-0.75145	3.89E-12	-0.1187	0.389214	0.078093	0.741496
AT3G23710	TIC22L	120.0793	108.839	117.1765	171.9773	153.6924	150.523	151.1816	141.3346	173.7718	117.0633	130.3727	154.3501	0.451111	0.018466	0.415351	0.042248	0.230705	0.570796
AT3G23715	SCR13	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G23720	AT3G23720	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT3G23725	AT3G23725	1.188904	3.568492	0	0	1.324935	0	0.889303	0	0	0	0	1.330334	1.035907	-0.44336	NA	-0.49417	NA	-0.26664
AT3G23727	SCR12	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G23730	XTH16	200.9248	139.1712	162.2444	200.434	245.7754	248.2134	167.1891	173.7013	256.7527	192.8667	251.4331	245.5098	0.438703	0.056114	0.232939	0.382697	0.430652	0.208696
AT3G23740	AT3G23740	99.86793	32.11643	46.35556	29.69392	33.78583	40.87047	31.12562	28.05114	20.50117	62.36982	63.85603	66.29802	-0.75083	0.034006	-1.07986	0.002865	0.078229	0.927445
AT3G23750	AT3G23750	606.341	369.3389	421.063	277.1433	303.41	327.9606	328.155	352.797	375.8547	349.271	427.0372	369.8186	-0.61553	0.010226	-0.3992	0.505381	-0.28687	0.362337
AT3G23760	AT3G23760	74.90095	89.2123	110.7383	82.0707	87.44568	76.75674	94.26617	97.10009	113.2445	84.43914	114.4087	94.26749	-0.14869	0.573347	0.144641	0.610952	0.081275	0.878139
AT3G23770	AT3G23770	1.188904	1.784246	3.862963	0	1.324935	0	1.07889	0	2.878607	2.660668	4.143626	0	-0.86398	0.19341	-0.84166	0.219627	0.315833	NA
AT3G23780	NRPD2	398.2828	331.8698	303.8864	193.8353	159.6546	184.4155	188.5323	237.3558	168.8906	238.9244	247.4421	214.4327	-0.92338	7.32E-08	-0.78581	9.57E-06	-0.55315	0.017822
AT3G23790	AAE16	93.92341	115.976	73.3963	94.85558	87.44568	88.71883	141.3993	126.2301	115.197	93.07496	101.1054	81.83662	-0.04186	0.883985	0.440819	0.054308	-0.02463	0.967711
AT3G23800	SBP3	0	0	1.287654	0	0.662467	0	0	0	0.976246	0.959536	0	1.035907	-0.14665	NA	-0.0654	NA	0.126358	NA
AT3G23805	RALFH2	102.2457	110.6233	105.5877	65.16166	71.54647	50.83888	58.69403	39.91893	76.14719	111.3061	148.9974	147.0987	-0.71702	0.003606	-0.8189	0.001404	0.34244	0.403727
AT3G23810	SAH2H	257.733	1905.575	1952.084	1028.564	1218.94	1151.351	902.643	966.6854	1112.92	2038.054	2016.786	1921.607	-0.90962	1.19E-10	-0.19449	1.19E-14	-0.1066	0.727711
AT3G23820	GAE5	2598.944	2310.599	2071.836	1403.45	1374.62	1394.58	1262.811	1403.636	1361.863	1719.488	1623.007	1762.077	-0.73657	7.15E-12	-0.78736	2.94E-13	-0.44775	0.00089
AT3G23830	RBG4	131.9683	130.25	133.9161	140.6337	160.3171	139.5577	191.5926	81.99564	201.1067	148.728	117.0694	142.9551	-0.145058	0.679845	-0.07557	0.952854	0.045373	0.952813
AT3G23840	CEP2L6	60.6341	92.78079	90.1358	36.29257	45.71024	39.87363	32.01493	36.68226	56.62227	93.07496	73.16837	70.44164	-0.94169	0.000569	-0.89623	0.001896	-0.02195	0.978172
AT3G23850	AT3G23850	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G23860	AT3G23860	0	0	0	0	0	1.778607	0	0	0	0	0	0	0	NA	0.248756	NA	0.97504	NA
AT3G23870	AT3G23870	14.26685	23.1952	30.9037	11.96005	12.58688	21.9305	15.11816	12.94668	7.809968	18.23118	22.61568	29.00538	-0.52534	0.246501	-0.78933	0.093157	0.037628	0.929124
AT3G23880	AT3G23880	35.66712	55.31163	46.35556	65.98649	61.60946	73.76622	85.37313	75.5223	84.9334	50.85539	45.23135	51.79533	0.54328	0.0303894	0.831843	0.000959	0.129	0.895201
AT3G23890	TOP2	479.1283	340.791	342.5161	277.9681	271.6116	300.0491	315.7027	371.1381	259.6814	392.4521	343.2262	406.0754	-0.44867	0.018201	-0.29555	0.159668	-0.006768	0.988934
AT3G23900	AT3G23900	477.9394	408.5923	392.7346	315.4979	319.9717	333.9417	379.7326	421.846	362.0424	392.4501	517.4999	417.4703	-0.39733	0.015738	-0.1808	0.347648	0.046165	0.905938
AT3G23910	AT3G23910	149.8019	151.6609	115.8889	161.6669														

AT3G26840	AT3G26840	98.67903	98.13353	105.5877	299.0013	239.1507	303.0396	500.6779	489.816	370.9735	92.11542	93.12338	75.62118	1.433067	1.51E-14	2.11486	4.79E-31	-0.21179	0.603257
AT3G26850	AT3G26850	93.92341	130.25	135.2037	137.7468	132.4935	141.5514	124.5025	122.9935	100.5533	120.9015	118.3997	133.6319	0.200078	0.364743	-0.03544	0.901170	0.063379	0.894522
AT3G26855	AT3G26855	1.188904	0	0	0	0	0	0	1.07889	0	0	0	0	-0.2127	NA	-0.02202	NA	-0.1938	NA
AT3G26860	AT3G26860	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G26870	AT3G26870	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G26872	AT3G26872	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G26880	AT3G26880	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G26890	AT3G26890	864.3332	876.0648	844.7012	435.0984	486.251	514.3698	647.4129	660.2806	547.674	681.2703	776.915	744.8168	-0.84388	2.59E-12	-0.47309	0.000217	-0.22929	0.258119
AT3G26900	SKL1	567.1072	708.3457	731.3877	584.8053	620.7318	560.2245	615.398	609.5728	709.7308	755.1545	786.2274	855.6588	-0.17873	0.247493	-0.04941	0.798866	0.255799	0.242011
AT3G26910	AT3G26910	101.0568	85.64381	51.50617	77.53413	78.83361	81.74094	85.37313	100.3368	47.83605	53.734	69.17737	45.57989	-0.00026	0.999765	-0.02745	0.94994	-0.47393	0.35075
AT3G26920	AT3G26920	121.2682	98.13353	93.99877	102.2791	117.2567	93.70303	135.1741	105.7312	126.912	111.3061	98.44471	103.5907	-0.00324	0.990993	0.221493	0.365822	-0.00383	0.995116
AT3G26922	AT3G26922	55.87849	41.03766	52.79383	42.06639	54.32232	43.86099	41.79726	29.13003	43.93107	47.01725	45.23135	50.75942	-0.10731	0.756204	-0.37001	0.257983	-0.07547	0.913172
AT3G26930	AT3G26930	5.94452	5.352738	7.725926	3.299325	3.974804	4.984204	5.335821	2.15778	4.88123	6.716729	2.660668	7.251346	-0.49705	0.446417	-0.42932	0.546635	-0.11506	NA
AT3G26932	DRB3	217.5694	253.3629	221.4765	211.5692	225.9013	214.3208	197.4254	198.5157	142.5319	273.4677	312.6285	242.4021	-0.08041	0.718129	-0.34984	0.075054	0.255562	0.392343
AT3G26934	AT3G26934	0	0	0	0	0	0	0	0.889303	0	0	0	0	0	NA	0	NA	0	NA
AT3G26935	PAT07	382.8271	356.8492	350.242	242.9128	219.2767	227.2797	206.3184	243.8291	309.47	313.7682	234.1388	298.3411	-0.64548	0.000253	-0.5117	0.00606	-0.35322	0.205247
AT3G26940	CDG1	0	0	0	0	0.662467	0	1.778607	0	0	0	0	0	0.091702	NA	0.255494	NA	0	NA
AT3G26950	AT3G26950	317.4374	358.6335	328.3519	248.6866	203.3775	194.384	171.6356	223.3302	235.2753	329.1207	268.7275	320.0951	-0.61111	0.000406	-0.65789	0.000207	-0.12061	0.739371
AT3G26960	AT3G26960	194.9802	103.4863	123.6148	52.78919	36.4357	30.90206	35.57214	23.73558	36.1211	185.1904	212.8534	139.8474	-1.6878	1.25E-09	-2.00313	4.32E-12	0.322139	0.527624
AT3G26980	MUBA	200.9248	174.8561	207.3123	363.3381	410.0672	397.7395	419.7512	349.5603	453.9544	246.6007	211.5231	238.2585	0.979544	9.07E-11	1.045036	6.8E-12	0.247407	0.375703
AT3G26990	AT3G26990	128.4016	148.0924	115.8889	91.96867	83.47088	99.68408	86.26244	94.94231	71.26596	90.19635	91.79304	87.01615	-0.49507	0.013445	-0.61156	0.003489	-0.52154	0.06913
AT3G27000	ARP2	77.27876	80.29107	65.67037	105.5784	137.7932	114.6367	86.26244	94.94231	90.79088	82.52006	47.89202	74.58527	0.660733	0.004895	0.276858	0.032680	-0.09578	0.867545
AT3G27010	TCP20	55.87849	32.11643	51.50617	51.55195	59.62205	58.81361	57.80473	48.55005	82.00466	57.57214	58.53469	54.90305	0.233976	0.468724	0.385245	0.229921	0.248459	0.650556
AT3G27020	YSL6	388.1773	826.1059	741.6889	367.8747	374.9565	385.7774	430.4229	457.4493	374.8785	546.9353	572.0436	526.2405	-1.08252	2.8E-21	-0.92078	3.45E-15	-0.54347	0.000118
AT3G27025	AT3G27025	36.85602	19.62671	25.75309	6.598649	9.937009	7.974726	11.56095	14.02557	9.76246	26.867	15.96401	22.78994	-1.16246	7.13E-05	-1.10227	0.00938	-0.29711	0.704068
AT3G27027	AT3G27027	2.377808	1.784246	5.150617	3.71174	1.324935	0.996841	1.778607	2.15778	1.952492	3.88143	11.97301	5.179533	-0.32301	0.670921	-0.37953	0.633299	0.738529	NA
AT3G27030	AT3G27030	23.77808	32.11643	18.02716	20.20836	17.88662	19.93682	12.45025	10.7889	23.4299	28.78607	43.90102	27.96948	-0.2907	0.511122	-0.56212	0.209447	0.416952	0.539974
AT3G27040	AT3G27040	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	NA	0	NA	0	NA
AT3G27050	AT3G27050	254.4254	265.8527	271.6951	258.997	261.0121	218.3081	187.643	188.8057	286.0401	362.7045	360.5205	313.8797	-0.09368	0.686873	-0.25079	0.253832	0.380382	0.181131
AT3G27060	TSO2	458.9169	422.8663	442.9531	503.5594	453.1276	421.6636	288.1343	284.8269	349.4961	471.132	403.0912	457.8707	0.059489	0.744188	-0.51653	0.000447	0.008691	0.983854
AT3G27070	TOM20-1	1.188904	0	1.287654	1.649662	1.324935	0	1.778607	2.15778	0.976246	0	0	0	0.118024	0.878156	0.336944	0.646558	-0.49169	NA
AT3G27080	TOM20-3	191.4135	158.7979	216.3259	321.2717	324.609	291.0775	237.444	214.6991	307.5175	209.1788	230.1478	227.8994	0.704562	5.72E-05	0.405712	0.037663	-0.219875	0.508088
AT3G27090	AT3G27090	1542.008	1828.852	1805.291	2022.898	1941.692	1988.697	1832.854	1748.881	1722.098	1619.696	1547.178	1695.779	0.202248	0.066284	0.036759	0.801235	-0.08721	0.676221
AT3G27095	AT3G27095	0	0	0	1.412416	1.324935	0	0.889303	0	0	0	0	0	0.316707	NA	0.14819	NA	0.17207	NA
AT3G27100	SUS1	84.41218	89.2123	84.98519	145.1703	181.516	110.6493	110.2736	84.15342	174.748	94.9403	102.4357	80.80071	0.726995	0.008972	0.489173	0.111787	0.097414	0.882916
AT3G27110	AT3G27110	254.4254	362.2019	305.1741	413.2404	400.1302	396.7426	480.2239	530.8138	444.1919	356.9473	331.2532	301.4488	0.397127	0.102489	0.657432	1.86E-05	0.11096	0.736098
AT3G27120	AT3G27120	16.64466	14.27397	3.862963	9.897974	14.57428	10.96525	8.003721	9.710009	8.786214	10.55489	17.29434	9.323159	0.029236	0.964606	-0.31274	0.618881	0.06795	NA
AT3G27130	AT3G27130	3.566712	3.568492	5.150617	4.124156	0.662467	1.993682	5.335821	4.31556	0	3.838143	9.312338	2.071813	-0.45129	0.53837	-0.1969	0.818015	0.164665	NA
AT3G27140	AT3G27140	0	0	0	0	0	0	0	0.976246	0	0	0	0	0	NA	0	NA	0	NA
AT3G27150	AT3G27150	2.377808	1.784246	1.287654	1.649662	1.324935	0.996841	0	0	5.757214	3.991002	3.10772	0	-0.19382	0.81071	-0.94408	0.16802	0.762531	NA
AT3G27160	GHS1	238.3173	273.0347	265.9006	2283.957	2384.22	1773.38	2583.427	2028.313	3471.531	3097.381	4934.209	3562.483	-0.19578	0.455823	0.12077	0.673239	0.623995	0.031496
AT3G27170	CLC-B	51.12287	32.11643	43.78025	11.96005	13.24935	18.93997	8.003731	5.39445	3.904984	25.90746	39.91002	29.00538	-1.4543	2.72E-05	-2.46454	3.82E-10	-0.42165	0.498675
AT3G27180	AT3G27180	229.4585	187.3458	238.2161	157.5427	153.6924	191.3934	192.8086	211.4624	139.6032	200.5429	203.5411	214.4327	-0.38786	0.051199	-0.27154	0.21964	-0.08713	0.844242
AT3G27190	UKL2	34.47821	51.74313	42.49259	58.1506	68.23413	69.77885	49.71308	52.86561	52.71728	34.54328	38.57969	36.25673	0.594862	0.025966	0.254338	0.441524	-0.20643	0.722849
AT3G27200	AT3G27200	46.36725	35.68492	57.94445	43.71605	26.49869	26.9147	23.12189	14.02557	25.3824	52.77446	49.22236	54.90305	-0.47206	0.166493	-1.06969	0.001784	0.144781	0.840517
AT3G27210	Y-2	49.93397	51.74313	81.12272	270.957	296.7853	242.2323	308.5883	297.7736	376.831	45.09817	45.23135	63.1903	2.067345	4.57E-23	0.337202	3.86E-29	-0.24606	0.605123
AT3G27220	AT3G27220	63.01191	62.44861	59.14938	59.38784	65.58426	61.80413	44.46517	61.49673	52.71728	74.84378	83.81104	76.65708	-0.26645	0.333327	-0.49456	0.074174	0.052808	0.933811
AT3G27230	AT3G27230	404.2273	392.531	413.337	428.0784	459.0898	393.7521	334.3781	326.9037	311.4225	413.5599	312.6285	387.429	0.082638	0.634535	-0.31166	0.045975	-0.11376	0.694266
AT3G27240	CY11	639.6303	578.0957	535.6642	488.7155	530.6363	503.4046	433.0908	454.2127	557.4365	578.6	631.9086	566.6409	-0.20244	0.186081	-0.27691	0.073249	0.016764	0.9656
AT3G27250	AT3G27250	43.98945	28.54794	42.49259	2.474493	1.987402	5.981045	6.225124	3.23667	3.904984	34.54328	33.25835	26.93357	-3.06306	4.4E-14	-2.62622	4.04E-10	-0.27179	0.711019
AT3G27260	GTE8	798.9435	719.0512	704.3469	626.8717	563.0972	707.757	790.5908	887.9264	614.0987	768.933	723.0632	0	-0.22712	0.190551	-0.042692	0.848866	0.003446	0.993436
AT3G27270	AT3G27270	19.02246	16.05821	11.58889	11.54764	19.21155	9.968408	5.335821	10.7889	7.809968	6.176479	7.982004	6.215439	-0.14526	0.803607	-0.80982	0.12597	-0.9478	NA
AT3G27280	PBH4	143.8574	164.1506	182															

AT3G28455	CLE25	39.23383	23.1952	30.9037	32.99325	17.88662	26.9147	19.56468	29.13003	22.45366	22.06932	29.26735	36.25673	-0.24492	0.563597	-0.38276	0.382054	-0.10671	0.902619
AT3G28460	AT3G28460	263.9367	349.7122	332.2148	234.6645	211.3271	226.2829	283.6878	280.5114	261.6339	323.3635	349.8778	367.7468	-0.47638	0.001587	-0.18532	0.288271	0.142941	0.61756
AT3G28470	ATMYB35	1.188904	1.784246	0	1.237247	0.662467	0.996841	0.889303	0	0.976246	3.831843	1.330334	1.035907	0.000275	0.999994	-0.16971	0.983505	0.478655	NA
AT3G28480	P4H7	214.0027	267.6369	226.6272	546.0382	480.9512	467.5183	329.0423	342.0081	343.6386	214.936	174.2738	203.0377	1.075765	1.61E-14	0.519297	0.000778	-0.23826	0.373342
AT3G28490	P4H6	0	0	0	0.662467	0	0.889303	0	0	0	0	0	0	0.097058	NA	0.130384	NA	0	0
AT3G28500	RPP2C	77.27876	66.0171	66.95803	43.30364	44.38531	12.95893	20.01119	18.34113	59.55101	118.0229	143.6761	145.0269	-0.91994	0.019746	-0.92546	0.024705	0.862795	0.114476
AT3G28510	AT3G28510	36.85602	48.17464	38.2284	768.3302	769.1245	730.6843	40.01866	52.86561	60.52725	1.919071	2.660668	4.143626	4.260894	1.05E-91	0.434016	0.133108	-0.69285	5.08E-11
AT3G28520	AT3G28520	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1035907	0	0	0.172362	NA
AT3G28530	AT3G28530	0	0	1.287654	0	0	0	0	0	0.976246	0	1.330334	0	-0.25782	NA	-0.04904	NA	-0.01245	NA
AT3G28540	AT3G28540	474.3727	399.6711	287.1469	1549.858	1615.758	1199.199	626.0697	639.7817	1004.557	175.595	234.1388	171.9605	1.84161	5.54E-17	0.930499	6.98E-05	-0.95859	0.000811
AT3G28550	AT3G28550	1.188904	0	1.287654	0.412416	0	0	0.889303	0	0.976246	0	0	0	-0.40263	NA	-0.09041	NA	-0.4742	NA
AT3G28560	AT3G28560	4.755616	5.352738	6.438272	1.649662	3.974804	2.990522	6.225124	3.23667	0.976246	0.959536	2.660668	11.39497	-0.59582	0.393502	-0.3899	0.618505	-0.07299	NA
AT3G28570	AT3G28570	2.377808	5.352738	1.287654	0.412416	0.662467	2.66791	4.31556	0.976246	2.878607	2.660668	7.251346	0	-0.79907	0.245785	-0.05506	0.951075	0.38182	NA
AT3G28580	AT3G28580	14.26685	16.05821	14.1642	267.6577	305.3974	302.0428	362.8358	383.0059	582.8189	2.878607	13.30334	6.215439	3.983711	9.48E-43	4.569372	2.71E-56	-0.82038	0.181246
AT3G28590	AT3G28590	0	0	0	0	0	0	0.889303	0	0	0	0	0	0.160764	NA	0.160764	NA	-0.01245	NA
AT3G28600	AT3G28600	0	0	1.287654	29.28151	16.56168	27.91154	43.57587	40.99782	43.93107	0.959536	2.660668	2.071813	3.089223	6.46E-10	3.826011	7.62E-15	0.329146	0.79509
AT3G28610	AT3G28610	1.188904	0	2.575309	0.662467	0	0	0	0	0	1.919071	2.660668	0	-0.56047	NA	-0.65505	NA	0.08854	NA
AT3G28611	AT3G28611	0	0	0	0.412416	0	0	0.889303	0	0.959536	0	0	0	0.066524	NA	0.14834	NA	0.160663	NA
AT3G28620	AT3G28620	3.566712	7.136984	3.862963	7.835896	6.246733	7.974726	8.893035	11.86779	11.71495	9.595356	3.991002	10.35907	0.472585	0.439089	0.907428	0.119909	0.578605	NA
AT3G28630	AT3G28630	14.26685	5.352738	5.150617	11.13522	7.28714	6.977885	7.114428	11.86779	5.857476	9.595356	2.660668	7.251346	0.027902	0.969342	-0.03842	0.96069	-0.25567	NA
AT3G28640	PCMP-E79	20.21137	21.41095	20.60247	25.15735	21.86142	24.92102	30.23632	31.28781	14.64369	20.15025	18.62468	19.68222	0.193557	0.668591	0.265724	0.571361	-0.07552	0.939653
AT3G28650	AT3G28650	0	0	0	0.412416	0	0	0.889303	0	0	0	0	0	0.066991	NA	0.136991	NA	0	NA
AT3G28660	PCMP-E80	41.61164	32.11643	37.34198	36.70499	37.76063	27.91154	33.79353	45.31338	35.14486	42.21957	29.26735	34.18492	-0.10447	0.785796	0.019107	0.965261	-0.06711	0.932511
AT3G28670	AT3G28670	183.0912	180.2088	218.9012	291.5778	250.4126	301.0459	238.3333	229.8036	232.3465	212.0574	172.9434	200.9659	0.520135	0.001096	0.258616	0.163113	0.010955	0.982852
AT3G28674	AT3G28674	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G28680	AT3G28680	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G28685	AT3G28685	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G28690	AT3G28690	432.761	412.1608	386.2963	351.3781	350.4452	376.8058	342.3818	400.2682	340.7099	363.664	290.0128	356.3518	-0.19113	0.220737	-0.18407	0.270476	-0.27688	0.217892
AT3G28695	AT3G28695	0	0	0	0	0	0	1.07889	0	0	0	0	0	0	0	0.16673	NA	0	NA
AT3G28700	AT3G28700	57.06739	69.5856	69.53333	93.20592	72.8714	93.70303	64.91915	63.65451	76.14719	72.92471	53.21336	80.80071	0.397185	0.119903	0.065743	0.850854	0.092673	0.874725
AT3G28705	AT3G28705	0	0	0	0	0	0.996841	0	1.07889	0	0	0	0.1035907	0.132403	NA	0.15984	NA	0.162223	NA
AT3G28710	VHA-D1	1669.221	1809.225	1939.207	1544.496	1607.808	1590.958	1648.769	1609.704	1578.59	2099.464	2425.199	1656.415	-0.18919	0.237316	-0.16105	0.350036	0.186836	0.462053
AT3G28715	VHA-D2	871.4666	951.0031	949.0012	941.1323	949.9781	958.9608	987.1269	988.2632	1013.343	1046.853	1012.384	942.6749	0.041214	0.746415	0.109842	0.358508	0.116168	0.524771
AT3G28720	AT3G28720	303.1705	260.4999	222.7642	200.434	186.8158	181.425	212.5435	241.6713	187.4392	192.8667	158.3097	218.5763	-0.45528	0.014184	-0.29001	0.161689	-0.45035	0.088465
AT3G28730	SSRP1	749.0095	715.4827	567.8556	604.6012	611.4573	645.9528	606.505	617.125	631.6312	625.6172	574.7043	607.0412	-0.12537	0.403879	-0.12904	0.417472	-0.16497	0.481316
AT3G28740	CYP81D11	15.45575	8.92123	10.30123	14.02213	13.24935	17.94313	25.7898	20.49891	19.52492	19.19071	50.55269	30.04129	0.253953	0.628857	0.757452	0.111108	1.27032	0.02113
AT3G28750	AT3G28750	14.557616	12.88972	5.150617	3.299325	1.987402	4.984204	6.225124	2.15778	9.76246	2.878607	3.991002	8.827252	-0.76322	0.228611	-0.15156	0.850985	-0.34156	NA
AT3G28760	AT3G28760	134.3461	137.3869	137.779	91.55626	100.695	98.68724	112.9415	143.4924	103.4821	154.4852	172.9434	177.14	-0.48678	0.010784	-0.18571	0.420899	0.293722	0.336147
AT3G28770	AT3G28770	85.60108	44.60615	34.76667	7.835896	8.612075	9.968408	32.01493	15.10446	18.54867	99.79171	119.7301	51.79533	-2.3028	4.12E-09	-1.17589	0.004054	0.644969	0.289583
AT3G28780	AT3G28780	0	7.136984	0	0	0	0	1.07889	0	0.959536	0	3.10772	0	-0.83646	0.132166	-0.60478	0.312234	-0.19448	NA
AT3G28790	AT3G28790	3.566712	35.68492	0	0	0	0	0	0	12.47396	10.64267	11.39497	0	-1.2932	0.029921	-1.26059	0.03867	-0.06303	NA
AT3G28800	AT3G28800	0	0	0	0	0	0	1.07889	0	0	0	0	0	0	0	0.16673	NA	0	NA
AT3G28810	AT3G28810	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G28820	AT3G28820	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT3G28830	AT3G28830	5.94452	23.1952	7.25926	0.412416	0	0.889303	1.07889	0	17.2164	23.94601	10.35907	0	-2.75959	1.44E-06	-2.27077	0.000119	0.291115	NA
AT3G28840	AT3G28840	10.70014	14.27397	15.45185	6.186234	3.312336	1.993682	2.66791	2.15778	2.928738	15.35257	17.29434	17.61041	-1.34096	0.007509	-1.71735	0.001332	0.499183	NA
AT3G28850	AT3G28850	54.68958	42.82119	25.75309	49.90228	60.94699	51.83572	60.47264	51.78672	91.76712	28.78607	26.60668	65.26211	0.359627	0.380651	0.661151	0.093916	-0.02305	0.983524
AT3G28855	AT3G28855	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G28857	PRE5	8.322328	7.136984	12.87654	11.54764	16.56168	7.974726	9.782338	4.31556	15.61994	15.35257	17.29434	14.50269	0.281175	0.627303	0.041518	0.953245	0.582581	NA
AT3G28860	ABC819	2342.141	1573.705	1658.499	410.3553	360.3822	512.3762	50.44789	643.0184	347.5436	1315.523	1173.355	1221.334	-2.04857	3.11E-22	-1.79168	0.40E-17	-0.56807	0.073075
AT3G28865	AT3G28865	0	0	0	0.662467	0	4.446517	0	0	3.991002	1.035907	0	0	0.030454	0.964415	0.55388	0.33422	0.564931	NA
AT3G28870	AT3G28870	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G28880	AT3G28880	14.26685	7.136984	25.75309	19.79595	20.53649	22.92734	24.01119	25.89336	13.66744	28.78607	25.27635	11.39497	0.317947	0.530486	0.329306	0.543118	0.364611	0.668265
AT3G28890	AT3RPL43	49.93397	53.52738	33.47901	169.5028	183.5034	177.4377	52.46891	56.10228	10.73871	3.838143	11.97301	13.46678	1.625917	0.000934	-0.15608	0.822292	-1.62371	0.013549
AT3G28899	AT3G28899	0	0	0	0.412416	0	0.996841	0.889303	1.07889	1.952492	0	0	0.1035907	0.214341	NA	0.678249	NA	0.182132	NA
AT3G28900	RPL34C	233.0252	223.0308	258.8185	323.7462	321.2336	276.1249	222.8313	452.0019	281.1439	191.5681	313.8797	0						

AT3G29156	AT3G29156	4.755616	0	2.575309	0.824831	1.324935	1.993682	1.778607	1.07889	0.976246	0	2.660668	2.071813	-0.46558	0.526887	-0.45491	0.554468	-0.36464	NA
AT3G29160	KIN11	389.9605	430.0033	385.0086	384.7837	367.6693	393.7521	417.0833	424.0037	317.2799	418.3575	443.0012	362.5673	-0.06883	0.724293	-0.05331	0.804365	0.023247	0.95645
AT3G29170	AT3G29170	77.27876	108.839	115.8889	230.9527	277.5738	224.8292	176.9714	166.1491	238.204	89.23681	103.766	83.90843	1.248874	1.56E-09	0.921993	2.22E-05	-0.1192	0.815943
AT3G29175	AT3G29175	0	0	0	0	0.662467	0	0	0	0.976246	0	0	2.071813	0.085269	NA	0.142131	NA	0.304789	NA
AT3G29180	AT3G29180	507.662	517.4313	482.8704	538.6147	480.2888	448.5784	560.2612	559.9439	460.7881	393.4096	311.2981	440.2603	-0.03412	0.87275	0.067948	0.753494	-0.38523	0.096882
AT3G29185	AT3G29185	770.4098	815.4004	802.2807	639.6566	698.903	599.1013	832.3881	751.9863	801.498	920.1947	932.5641	890.8793	-0.2958	0.008315	0.000765	0.996207	0.199553	0.253833
AT3G29187	AT3G29187	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G29190	TP515	0	0	2.575309	0.824831	1.324935	1.993682	3.557214	1.07889	5.857476	0.959536	0	2.071813	0.126779	0.867682	0.865488	0.214517	0.042235	NA
AT3G29195	AT3G29195	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G29200	CM1	279.3924	226.5992	269.1198	226.0037	209.3397	195.3808	246.3371	251.3814	312.3987	283.063	305.9768	267.2639	-0.29329	0.088176	0.055394	0.806721	0.131805	0.684244
AT3G29205	AT3G29205	0	1.784246	0	0.412416	0	0	0.889303	0	0	0	1.330334	0	-0.19572	NA	-0.09468	NA	-0.04737	NA
AT3G29210	AT3G29210	0	0	0	0	0	0	2.66791	0	0	0	0	0	0	NA	0.335767	NA	0	NA
AT3G29220	AT3G29220	0	0	0	0.824831	1.324935	1.993682	2.66791	2.15778	1.952492	0	0	0	0.696808	0.266695	1.060877	0.082585	0	NA
AT3G29225	AT3G29225	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G29230	PCMP-E27	319.8152	276.5581	272.9827	196.3098	190.1281	229.2734	260.5659	255.6969	227.4653	338.7161	373.8238	335.6337	-0.50285	0.000771	-0.22525	0.193855	0.260144	0.277425
AT3G29240	AT3G29240	1498.019	1521.962	1377.79	2845.667	2875.77	2634.65	1008.47	1163.043	1539.54	1198.46	1021.696	1243.088	0.911103	2.91E-09	-0.2406	0.193553	-0.3373	0.169193
AT3G29250	SDR4	3.566712	1.784246	5.150617	63.512	57.63465	67.78517	19.56468	14.02557	16.59618	1.919071	0	1.035907	3.496901	2.61E-16	1.674613	0.000522	-0.8011	0.404134
AT3G29252	AT3G29252	0	0	0	0	0	0	0.976246	0	0	0	0	0	0	NA	0.16673	NA	0	NA
AT3G29255	AT3G29255	0	0	0	0.824831	0	0	0.889303	1.07889	0	0	1.330334	0	0.150119	NA	0.321758	NA	0.194127	NA
AT3G29260	SDR5	0	0	0	0	0.996841	0	0	0.976246	0	0	1.330334	0	0.131812	NA	0.150725	NA	0.186363	NA
AT3G29265	AT3G29265	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT3G29270	AT3G29270	279.3924	272.9896	261.3938	279.6178	272.274	327.9606	332.5995	330.1403	274.3251	283.063	263.4061	241.3662	0.104388	0.570709	0.200355	0.264431	-0.04541	0.905042
AT3G29280	AT3G29280	48.74506	35.68492	34.76667	44.54088	38.4231	35.88627	26.6791	30.20892	57.59851	62.36982	89.13238	48.68761	-0.00573	0.99046	-0.06523	0.893642	0.673077	0.186672
AT3G29290	EM82076	408.983	442.493	391.4469	223.1168	262.337	295.0649	339.7139	370.0592	365.116	424.1147	397.7699	439.2244	-0.67121	1.66E-06	-0.20439	0.220711	0.025384	0.948017
AT3G29300	AT3G29300	2.377808	0	3.862963	1.237247	1.987402	3.987363	0.889303	0	0	0.959536	1.330334	1.035907	0.074495	0.931201	-0.83	0.228839	-0.41332	NA
AT3G29305	AT3G29305	0	0	1.287654	0	0.662467	0	1.778607	0	0	0	0	1.035907	-0.12279	NA	0.081234	NA	-0.04074	NA
AT3G29310	BAG1	236.5919	205.1883	215.0383	210.3319	235.8383	244.226	202.7612	240.5925	314.3512	157.3638	192.8984	176.1041	0.062484	0.800171	0.196808	0.390463	-0.31905	0.31269
AT3G29320	PHS1	3097.095	2986.828	2800.648	1711.112	1681.342	1895.991	2088.974	2417.792	1905.632	3294.086	3309.871	3248.603	-0.74275	2.4E-11	-0.46657	6.14E-05	0.147856	0.47565
AT3G29330	AT3G29330	8.322328	33.90067	30.9037	34.64291	29.81103	18.93997	30.23632	19.42002	26.35864	24.94793	23.94601	15.5386	0.223447	0.656112	0.086221	0.884333	-0.12988	0.897035
AT3G29340	AT3G29340	1.188904	1.784246	0	0.412416	0	0.889303	0	0	0	0	0	1.035907	-0.27726	NA	-0.31188	NA	-0.28128	NA
AT3G29350	AHP2	280.5813	305.1061	306.4617	411.5907	524.6741	404.7174	371.7289	332.2981	639.4411	332.9589	395.1092	400.8958	0.567691	0.01635	0.57014	0.019305	0.326691	0.410204
AT3G29360	UGD2	751.3873	674.445	621.937	566.2466	552.4977	567.2024	568.2649	583.6795	660.9185	592.993	655.8546	625.6875	-0.27896	0.02948	-0.17531	0.22226	-0.1289	0.582115
AT3G29365	ATEXP1A9	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT3G29370	AT3G29370	23.77808	8.92123	20.60247	5.361402	14.57428	8.971567	4.446517	6.47334	8.786214	15.35257	22.61568	27.96948	-0.79426	0.109155	-1.18195	0.021548	0.23551	NA
AT3G29375	AT3G29375	143.8574	206.9725	149.3679	167.0283	162.9669	116.6304	114.7201	133.7824	170.843	137.2136	158.3097	175.0682	-0.13607	0.621659	-0.2356	0.392756	-0.07498	0.89016
AT3G29380	AT3G29380	0	0	0	0	0	0	0.889303	1.07889	0	0	0	1.035907	0	NA	0.34029	NA	0.182576	NA
AT3G29385	AT3G29385	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G29390	RIK	601.5854	631.6231	591.0333	614.4992	571.0468	585.1455	721.2251	677.5429	398.3084	644.8079	627.9176	562.4972	-0.04078	0.876872	-0.02208	0.943424	0.008979	0.987749
AT3G29400	ATEX07051	225.8917	224.815	213.7506	226.4162	210.0021	289.0838	272.9592	236.2515	217.8146	182.2558	209.2531	0	0.115059	0.5753	0.229793	0.248079	-0.11753	0.746915
AT3G29410	TPS25	0	3.568492	3.862963	4.124156	5.962205	1.993682	5.335821	5.39445	4.88123	6.716749	2.660668	6.215439	0.443568	0.530991	0.668545	0.346458	0.68884	NA
AT3G29420	AT3G29420	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G29430	AT3G29430	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G29431	AT3G29431	0	0	0	0	0	0	0	0	0.959536	0	0	0	0	NA	0	NA	0.171512	NA
AT3G29440	AT3G29440	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G29450	AT3G29450	0	0	0	0	0	0.889303	0	0	0.959536	0	1.035907	0	0	NA	0.161651	NA	0.351496	NA
AT3G29460	AT3G29460	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT3G29470	AT3G29470	0	0	0	0.662467	0	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT3G29480	AT3G29480	0	1.784246	0	0	0.996841	0	2.15778	0	0	0	0	0	-0.10578	NA	0.081692	NA	-0.23857	NA
AT3G29510	AT3G29510	0	0	0	0	0	0.889303	0	0	0	0	0	2.071813	0	NA	0.133076	NA	0.29577	NA
AT3G29515	AT3G29515	1.188904	1.784246	0	0	0	1.778607	1.07889	0	0	1.330334	0	0	-0.57628	NA	0.040278	NA	-0.25636	NA
AT3G29520	AT3G29520	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT3G29525	AT3G29525	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G29540	AT3G29540	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G29545	AT3G29545	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G29550	AT3G29550	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G29560	AT3G29560	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT3G29570	AT3G29570	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT3G29572	AT3G29572	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G29575	AFP3	74.90095	112.4075	124.9025	231.3651	223.9139	243.2291	149.403	152.1235	209.8929	177.5141	141.0154	101.5188	1.120362	2.27E-06	0.686927	0.007687	0.415851	0.308305
AT3G29577	AT3G29577	0	0	0	0	0	1.778607	0	0	0	0	0	0	0	NA	0.248756	NA	0	NA
AT3G29578	AT3G29578	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G29580	AT3G29580	1.188904	0	0	0	0	0	0	0	1.919071	0	0	0	-0.21514	NA	-0.19663	NA	0.109769	NA
AT3G29590	5MAT	8.322328	3.568492</																

AT3G29760	AT3G29760	463.6725	453.1985	415.9124	306.0124	327.9213	327.9606	385.0684	318.2725	280.1826	356.9473	337.9048	467.1938	-0.46283	0.007257	-0.428	0.01779	-0.19141	0.540577
AT3G29762	AT3G29762	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G29763	AT3G29763	0	0	0	0	0.662467	0	0.889303	0	0	0	1.330334	0	0.09913	NA	0.145297	NA	0.18929	NA
AT3G29764	AT3G29764	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G29765	AT3G29765	0	0	0	0	0	0	0	0	0	0	1.035907	0	0	NA	0	NA	0.172362	NA
AT3G29766	AT3G29766	0	0	1.287654	0.412416	1.324935	0	2.66791	0	0	0	0	0	0.074774	NA	0.206802	NA	-0.22298	NA
AT3G29767	AT3G29767	0	3.568492	0	0	0	0	0.889303	2.15778	0	0	0	0	-0.53092	NA	0.0155	NA	-0.474	NA
AT3G29768	AT3G29768	0	0	0	0	0	0	1.778607	0	0	0	0	0	0	NA	0.248756	NA	0	NA
AT3G29769	AT3G29769	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT3G29770	MES11	68.95643	64.23286	68.24568	77.12171	77.50867	68.78201	69.36567	60.41784	60.52725	44.13864	42.57069	59.04667	0.149932	0.586545	-0.07966	0.80983	-0.44491	0.256453
AT3G29771	AT3G29771	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT3G29772	AT3G29772	0	0	0	0	0	0	0	0	0	0.959536	1.330334	1.035907	0	NA	0	NA	0.604134	NA
AT3G29773	AT3G29773	0	0	0	0	0	0	1.07889	0	0	0	0	0	0	NA	0.16673	NA	0	NA
AT3G29774	AT3G29774	0	0	0	0	0.662467	0	0.889303	1.07889	0	0	0	0	0.109123	NA	0.333186	NA	0	NA
AT3G29775	AT3G29775	4.755616	0	1.287654	0.412416	0	0	4.446517	1.07889	1.952492	1.919071	1.330334	2.071813	-1.01656	0.118242	0.145949	0.866582	-0.1164	NA
AT3G29776	AT3G29776	35.66712	42.8219	43.78025	31.756	29.14856	28.90838	37.35075	48.55005	36.1211	45.09817	30.59768	47.6517	-0.40533	0.206852	-0.00081	0.99853	0.035272	0.9656
AT3G29777	AT3G29777	0	0	0	0	0	0	1.07889	0	0	0	0	1.035907	0	NA	0.157605	NA	0.157555	NA
AT3G29778	AT3G29778	0	1.784246	0	0	0.662467	0	0.889303	0	0	0	0	0	-0.13635	NA	-0.08681	NA	-0.2518	NA
AT3G29779	AT3G29779	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G29780	RALFL27	0	0	0	0	0	0	0	0	0	0	2.660668	0	0	NA	0	NA	0.322821	NA
AT3G29781	AT3G29781	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G29782	AT3G29782	1.188904	0	0	0	0	0	0	0	0	0	0	2.071813	-0.21734	NA	-0.1981	NA	0.123077	NA
AT3G29783	AT3G29783	0	0	0	0	0	0	1.07889	0	0	0	2.660668	0	0	NA	0.151545	NA	0.344261	NA
AT3G29784	AT3G29784	0	1.784246	0	0	0	0	0	0	0.976246	0	0	0	-0.266	NA	-0.07274	NA	-0.24323	NA
AT3G29785	AT3G29785	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G29786	AT3G29786	0	1.784246	0	0.824831	0	3.987363	1.778607	1.07889	0.976246	0	2.660668	2.071813	0.376568	0.592561	0.307085	0.68159	0.39012	NA
AT3G29787	AT3G29787	0	0	0	0	0	0	0	0	0	0.959536	0	0	0	NA	0	NA	0.171512	NA
AT3G29788	AT3G29788	7.133424	14.27397	7.725926	1.649662	4.637271	0	6.225124	7.55223	5.857476	3.838143	3.991002	11.39497	-1.42588	0.014237	-0.38729	0.586008	-0.39804	NA
AT3G29789	AT3G29789	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT3G29790	AT3G29790	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G29791	AT3G29791	0	0	0	0	0	0	0	0	0.976246	0	0	0	0	NA	0.16673	NA	0	NA
AT3G29792	AT3G29792	1.188904	0	0	0	1.987402	0	1.778607	1.07889	0	2.878607	0	0	0.077108	NA	0.194386	NA	0.209119	NA
AT3G29796	AT3G29796	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G29797	AT3G29797	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G29798	AT3G29798	5.94452	3.568492	2.575309	2.474493	4.637271	3.987363	0	2.15778	0.976246	0	3.991002	1.035907	-0.05603	0.948636	-0.96188	0.16973	-0.72642	NA
AT3G29800	AT3G29800	2.377808	0	0	0	0	0	1.07889	0	0.959536	0	1.035907	0	-0.47723	NA	-0.22987	NA	-0.05477	NA
AT3G29805	AT3G29805	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G29810	COBL3	38.04493	28.54794	46.35556	31.756	25.83622	40.87047	34.68284	26.97225	25.3824	33.58375	33.25835	33.14901	-0.22287	0.543111	-0.36192	0.339697	-0.18117	0.791193
AT3G29820	AT3G29820	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G29830	AT3G29830	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0.172362	NA
AT3G29970	AT3G29970	1.188904	0	0	0	0	0	0.889303	0	0	0	0	1.035907	-0.2447	NA	-0.0484	NA	-0.02732	NA
AT3G30110	AT3G30110	0	1.784246	0	0.412416	0.662467	0	0	0	0	0	0	0	-0.03134	NA	-0.27626	NA	-0.26875	NA
AT3G30120	AT3G30120	5.94452	7.136984	5.150617	9.073143	7.28714	9.968408	5.358521	4.31556	1.952492	0.959536	3.991002	5.179533	0.452893	0.478554	-0.43543	0.540923	-0.57408	NA
AT3G30122	AT3G30122	28.53369	37.46917	45.0679	18.97112	29.81103	24.92102	30.23632	24.81447	17.57243	37.42189	17.29434	33.14901	-0.55017	0.149235	-0.54745	0.184084	-0.28041	0.69659
AT3G30145	AT3G30145	0	1.784246	0	0	0	0	1.778607	0	0	0	0	1.035907	-0.2855	NA	0.054081	NA	-0.06854	NA
AT3G30147	AT3G30147	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G30150	AT3G30150	0	0	0	0.412416	0.662467	0	0	0	0	0	0	0	0.196313	NA	0	NA	0	NA
AT3G30160	AT3G30160	0	0	0	0	0	2.66791	0	0	0	0	0	0	0	NA	0.335767	NA	0	NA
AT3G30170	AT3G30170	1.188904	0	0	0	0	0	0	0	0.976246	0	0	0	-0.21061	NA	-0.03092	NA	-0.19245	NA
AT3G30180	CYP85A2	535.0068	524.5683	471.2815	167.4407	188.8032	193.3871	154.7388	130.5457	160.1043	373.2594	373.8238	450.6193	-1.46259	1.3E-25	-1.74803	4.45E-33	-0.34714	0.104896
AT3G30183	AT3G30183	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G30187	AT3G30187	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT3G30190	AT3G30190	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G30200	AT3G30200	9.511232	8.92123	5.150617	1.237247	1.987402	4.984204	12.45025	9.710009	4.88123	11.51443	6.65167	8.287252	-1.18388	0.03955	0.178169	0.810815	0.159045	NA
AT3G30210	ATMYB121	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G30211	AT3G30211	1.188904	0	0	0	0.662467	0	0.889303	0	0	0.959536	1.330334	0	-0.14029	NA	-0.06705	NA	0.154972	NA
AT3G30212	AT3G30212	0	0	0	0	0.662467	0	0.889303	0	0	0	0	0	0.097058	NA	0.130384	NA	0	NA
AT3G30213	AT3G30213	3.566712	5.352738	0	0	0	0.996841	0.889303	0	0	0.959536	0	1.035907	-1.03791	0.082825	-0.95524	0.119882	-0.74193	NA
AT3G30214	AT3G30214	15.45575	23.1952	12.87654	11.96605	13.91181	14.95261	10.67164	14.02557	22.45366	21.10978	14.63367	22.78994	-0.28527	0.564225	-0.0859	0.886075	0.207461	0.822744
AT3G30216	AT3G30216	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G30218	AT3G30218	1.188904	0	0	0	0	0	0	1.07889	0	0	1.330334	0	-0.24973	NA	-0.03207	NA	-0.00489	NA
AT3G30219	AT3G30219	0	0	0	0	0	1.993682	0.889303	4.31556	0	0	0	0	0.241016	NA	0.642133	NA	0	NA
AT3G30220	AT3G30220	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G30222	AT3G30222	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G30230	AT3G30230	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT3G30235	AT3G30235	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G30240	AT3G30240	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G30245	AT3G30245	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT3G30247	AT3G30247	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G30250	AT3G30250	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0.172362	NA
AT3G3026																			

AT3G30433	AT3G30433	0	0	0	0	0.662467	0	0.889303	0	0	0	1.330334	0	0.09913	NA	0.145297	NA	0.18929	NA
AT3G30436	AT3G30436	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G30440	AT3G30440	1.188904	0	0	0	0	0	0	0	0	0	1.330334	0	-0.22006	NA	-0.20393	NA	0.001199	NA
AT3G30450	AT3G30450	1.188904	0	0	0	0.662467	1.993682	2.66791	0	0.976246	0	2.660668	1.035907	0.127686	0.860388	0.335902	0.629666	0.295536	NA
AT3G30455	AT3G30455	0	0	0	0	1.324935	0	1.778607	1.07889	0	0	0	1.035907	0.199452	NA	0.432059	NA	0.157932	NA
AT3G30456	AT3G30456	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT3G30460	AT3G30460	5.94452	7.136984	1.287654	2.886909	1.324935	1.993682	8.003731	3.23667	12.6912	9.595356	6.65167	6.215439	-0.7281	0.264999	0.57262	0.408639	0.495102	NA
AT3G30465	AT3G30465	0	1.784246	0	0	0	0	0.889303	0	0	0	0	0	-0.26522	NA	-0.08117	NA	-0.24296	NA
AT3G30470	AT3G30470	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT3G30480	AT3G30480	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G30490	AT3G30490	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	NA	0.16673	NA	0	NA
AT3G30500	AT3G30500	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT3G30505	AT3G30505	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G30510	AT3G30510	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G30520	AT3G30520	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT3G30530	ATBZ1P42	0	1.784246	3.862963	3.299325	2.649869	4.984204	2.66791	1.07889	1.952492	4.797678	7.982004	6.215439	0.488446	0.495685	-0.01553	0.986113	1.053467	NA
AT3G30540	AT3G30540	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G30550	AT3G30550	1.188904	0	0	0	0	0	0.889303	0	0	0	0	0	-0.20902	NA	-0.03919	NA	-0.19148	NA
AT3G30560	AT3G30560	1.188904	0	0	0	0.662467	0	2.66791	1.07889	0	0	1.330334	0	-0.15328	NA	0.370799	NA	-0.02219	NA
AT3G30570	AT3G30570	1.188904	0	0	0	0.662467	0	0.889303	0	0	0	0	0	-0.09199	NA	-0.04588	NA	-0.20606	NA
AT3G30580	AT3G30580	0	0	1.287654	0	0	0	0	0	0	0.959536	0	0	-0.22221	NA	-0.2076	NA	-0.03666	NA
AT3G30582	AT3G30582	0	0	0	0	0	0.996841	0.889303	0	0	0	0	0	0.133397	NA	0.133015	NA	0	NA
AT3G30585	AT3G30585	0	0	0	0.412416	0	0	0.889303	0	0	0	0	0	0.066991	NA	0.136991	NA	0	NA
AT3G30587	AT3G30587	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT3G30590	AT3G30590	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	NA	0.16673	NA	0	NA
AT3G30600	AT3G30600	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G30610	AT3G30610	1.188904	0	0	0	0	0	0	0	0.976246	0	0	0	-0.21061	NA	-0.03092	NA	-0.19245	NA
AT3G30620	AT3G30620	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G30630	AT3G30630	0	1.784246	0	0	0	0	0.889303	0	0	0	0	0	-0.26522	NA	-0.08117	NA	-0.24296	NA
AT3G30640	AT3G30640	0	0	0	0	0.662467	0	1.778607	0	0	0	0	0	0.091702	NA	0.255494	NA	0	NA
AT3G30645	AT3G30645	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G30650	AT3G30650	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	NA	0.16673	NA	0	NA
AT3G30655	AT3G30655	0	0	0	0	0	0	0.889303	0	0	0	2.660668	1.035907	0	NA	0.154264	NA	0.552425	NA
AT3G30660	AT3G30660	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G30663	AT3G30663	0	0	0	0	0.662467	0	0.889303	0	0	0.959536	0	0	0.100335	NA	0.144523	NA	0.157063	NA
AT3G30665	AT3G30665	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT3G30668	AT3G30668	0	0	0	0	1.987402	0	0.889303	0	0.976246	0.959536	0	0	0.310532	NA	0.28417	NA	0.147888	NA
AT3G30670	AT3G30670	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G30680	AT3G30680	0	0	0	0	0	0	0	0	0.976246	0	0	1.035907	0	NA	0.14724	NA	0.156349	NA
AT3G30685	AT3G30685	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT3G30690	AT3G30690	0	0	0	0	0	0	0	0	0.976246	0	0	0	0	NA	0.16673	NA	0	NA
AT3G30695	AT3G30695	1.188904	0	0	0	0	0	0	0	0	0.959536	1.330334	0	-0.27703	NA	-0.24518	NA	0.165416	NA
AT3G30700	AT3G30700	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G30703	AT3G30703	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G30705	AT3G30705	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G30708	AT3G30708	0	0	0	0	0	0	0	0	0.976246	1.919071	0	0	0	NA	0.140845	NA	0.281244	NA
AT3G30709	AT3G30709	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT3G30710	AT3G30710	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT3G30711	AT3G30711	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT3G30712	AT3G30712	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G30713	AT3G30713	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	NA	0.16673	NA	0	NA
AT3G30714	AT3G30714	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G30715	AT3G30715	0	0	0	0	0	0	0	0	0	0.959536	0	0	0	NA	0	NA	0.171512	NA
AT3G30716	AT3G30716	0	0	0	0	0	0	2.66791	0	0	0	1.330334	0	0	NA	0.369916	NA	0.167994	NA
AT3G30717	AT3G30717	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G30718	AT3G30718	0	0	0	0	0.662467	0	0	0	0.959536	1.330334	0	0	0.109173	NA	0	NA	0.37189	NA
AT3G30719	AT3G30719	0	0	0	0	0.662467	0	0.889303	0	0	0	0	0	0.097058	NA	0.130384	NA	0	NA
AT3G30720	Q05	23.77808	28.54794	41.20494	36.70499	39.08557	22.92734	20.45398	16.18335	19.52492	71.96517	57.20436	38.32854	0.092426	0.839038	-0.65724	0.106183	0.779424	0.119909
AT3G30721	AT3G30721	1.188904	0	0	0	0	0	0.889303	0	0	0.959536	1.330334	0	-0.29747	NA	-0.0612	NA	0.161183	NA
AT3G30722	AT3G30722	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G30724	AT3G30724	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G30725	GDU6	0	0	0	0.412416	0	1.993682	0	0	0	0	0	0	0.374519	NA	0	NA	0	NA
AT3G30727	AT3G30727	0	0	0	0.412416	1.324935	0	0	1.07889	0	0	0	0	0.316618	NA	0.168182	NA	0	NA
AT3G30730	AT3G30730	0	0	0	0	0	0	0.889303	0	0	2.878607	0	2.071813	0	NA	0.145018	NA	0.753933	NA
AT3G30733	AT3G30733	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G30737	AT3G30737	21.40027	24.97944	14.1642	10.31039	5.299738	7.974726	8.893035	4.31556	8.786214	17.27164	14.63367	13.46678	-1.1199	0.012224	-1.19375	0.012584	-0.33923	NA
AT3G30740	AT3G30740	0	0	0	0	0	0	0	0	0	0.959536	0	0	0	NA	0	NA	0.171512	NA
AT3G30742	AT3G30742	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G30743	AT3G30743	0	0	0	0	0	0.996841	0.889303	0	0	0	1.330334	1.035907	0.127357	NA	0.152228	NA	0.373633	NA
AT3G30744	AT3G30744	0	0	0	0	0	0	0.889303	1.07889	0	0	0	0	0	NA	0.3225	NA	0	NA
AT3G30745	AT3G30745	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT3G30746	AT3G30746	0	0	0	0	0.662467	0	0	0	0.976246	0	0	0	0.097788	NA	0.140077	NA	0	NA
AT3G30747	AT3G30747	0	0	0	0	0.996841	1.778607	0	0	0	0	0	0	0.124069	NA	0.253321	NA	0	NA
AT3G30748	AT3G30748	0	0	0	0	0	0	1.778607	0	0	0	0	0	0	NA	0.248756	NA	0	NA
AT3G30749	AT3G30749	2.377808	0	0	0.412416	0.662467	0	1.778607											

AT3G30820	AT3G30820	0	0	0	0	0.662467	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA	
AT3G30821	AT3G30821	1.188904	0	0	0	0	0.996841	0.889303	0	0	0	0	-0.05691	NA	-0.04692	NA	-0.20555	NA	
AT3G30825	AT3G30825	0	0	0	0	0.662467	0	0.889303	1.07889	0	0	0	0.109123	NA	0.333186	NA	0	NA	
AT3G30827	AT3G30827	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT3G30830	AT3G30830	0	0	0	0	0	0	0	0	0.959536	1.330334	0	0	NA	0	NA	0.366448	NA	
AT3G30831	AT3G30831	0	0	0	0	0.662467	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA	
AT3G30832	AT3G30832	0	0	0	0	0	0	1.778607	0	0	0	0	0	NA	0.248756	NA	0	NA	
AT3G30833	AT3G30833	2.377808	5.352738	1.287654	0.824831	0	0	1.778607	2.15778	0.976246	1.919071	0	1.035907	-1.10513	0.087011	-0.37672	0.632642	-0.62945	NA
AT3G30834	AT3G30834	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT3G30835	AT3G30835	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT3G30836	AT3G30836	0	0	0	0	0	0	0	1.07889	0	0	0	1.035907	0	NA	0.157605	NA	0.157555	NA
AT3G30837	AT3G30837	1.188904	0	0	0.412416	0	0	0.889303	0	0	0	0	0	-0.12978	NA	-0.04528	NA	-0.2092	NA
AT3G30838	AT3G30838	1.188904	1.784246	0	0	0	0	0	0	0.976246	0.959536	2.660668	1.035907	-0.63875	NA	-0.32566	NA	0.274115	NA
AT3G30839	AT3G30839	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G30840	AT3G30840	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT3G30841	AT3G30841	93.92341	85.64381	91.42346	93.20592	92.74542	112.643	104.0485	97.10009	78.09968	103.6298	99.77505	101.5188	0.118202	0.637171	0.038146	0.899235	0.161509	0.701857
AT3G30842	AT3G30842	0	0	0	1.649662	3.312336	4.984204	0.889303	4.31556	1.952492	0	1.330334	0	1.266041	0.041228	0.969658	0.142386	0.141289	NA
AT3G30843	AT3G30843	0	0	0	5.773818	2.649869	2.990522	6.225124	7.55223	2.928738	0	0	0	1.452785	0.020209	1.759647	0.004857	0	NA
AT3G30844	AT3G30844	0	0	0	2.062078	3.312336	2.990522	2.66791	3.23667	1.952492	0	1.330334	0	1.192858	0.057399	1.106125	0.090196	0.142958	NA
AT3G30845	AT3G30845	0	0	0	0	0	0	0	0	0	0.959536	0	0	0	NA	0	NA	0.171512	NA
AT3G30846	AT3G30846	0	0	0	0.412416	0	0	1.778607	0	0	0	0	0	0.060593	NA	0.260815	NA	0	NA
AT3G30847	AT3G30847	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G30848	AT3G30848	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G30849	AT3G30849	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G30852	AT3G30852	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT3G30859	AT3G30859	0	0	0	0	0	0	0.889303	0	0.976246	0	0	0	0	NA	0.309898	NA	0	NA
AT3G30867	AT3G30867	13.07794	1.784246	19.31482	16.08421	11.26194	17.94313	17.78607	17.26224	20.50117	21.10978	11.97301	12.43088	0.262072	0.633813	0.525482	0.325307	0.291248	NA
AT3G30875	AT3G30875	9.511232	16.05821	7.725926	5.361402	5.299738	12.95893	8.893035	11.86779	7.809968	11.51443	21.28534	14.50269	-0.44966	0.424769	-0.14986	0.827047	0.445312	NA
AT3G30885	AT3G30885	1.188904	1.784246	0	0.824831	1.324935	1.993682	0	2.15778	1.952492	2.878607	2.660668	5.179533	0.102552	0.930303	0.137579	0.874181	0.89012	NA
AT3G31005	AT3G31005	0	0	0	0	0.662467	0	0.889303	0	0	0	0	0	0.097058	NA	0.130384	NA	0	NA
AT3G31023	AT3G31023	0	0	0	0	0	1.778607	0	0	0.959536	0	0	0	0	NA	0.262373	NA	0.143228	NA
AT3G31051	AT3G31051	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G31068	AT3G31068	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G31161	AT3G31161	1.188904	0	0	0.412416	0.662467	0.996841	0	0	0.976246	3.838143	0	0	0.094774	NA	-0.07363	NA	0.383281	NA
AT3G31300	AT3G31300	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G31310	AT3G31310	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT3G31312	AT3G31312	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G31314	AT3G31314	0	0	0	0	0	0	1.778607	0	0.976246	0	0	1.035907	0	NA	0.463781	NA	0.176341	NA
AT3G31317	AT3G31317	0	0	0	1.324935	0	0	1.778607	1.07889	0	0	0	0	0.209087	NA	0.42985	NA	0	NA
AT3G31320	AT3G31320	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G31330	AT3G31330	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G31340	AT3G31340	0	0	0	0	0	0.889303	1.07889	0	0.959536	1.330334	0	0	0	NA	0.362417	NA	0.398177	NA
AT3G31350	AT3G31350	0	0	0	0	0	0.889303	0	0	0	0	1.035907	0	0	NA	0.137906	NA	0.15538	NA
AT3G31355	AT3G31355	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G31356	AT3G31356	0	0	0	0	0	0	1.07889	0	0	0	0	0	0	NA	0.16673	NA	0	NA
AT3G31357	AT3G31357	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G31358	AT3G31358	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT3G31359	AT3G31359	0	3.568492	0	0	0.662467	0.889303	0	1.952492	0	0	0	0	-0.38567	NA	-0.00455	NA	-0.47462	NA
AT3G31360	AT3G31360	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G31365	AT3G31365	0	1.784246	0	0.412416	0	0.889303	0	0	0	0	0	0	-0.17556	NA	-0.08634	NA	-0.25627	NA
AT3G31367	AT3G31367	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT3G31370	AT3G31370	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G31373	AT3G31373	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT3G31374	AT3G31374	0	0	0	0	0.996841	0.889303	0	0	0	0	0	0	0.133397	NA	0.133015	NA	0	NA
AT3G31375	AT3G31375	0	0	0.412416	0	0	0	1.07889	0	0.959536	0	1.035907	0.057886	NA	0.177727	NA	0.356639	NA	NA
AT3G31377	AT3G31377	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G31380	AT3G31380	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G31390	AT3G31390	0	1.784246	0	0	0.996841	0	0	0	0	0	0	0	-0.08504	NA	-0.24249	NA	-0.23746	NA
AT3G31395	AT3G31395	0	0	0	0	0	0	1.07889	0.976246	0	0	1.035907	0	0	NA	0.348621	NA	0.182599	NA
AT3G31400	AT3G31400	0	0	0	0	0	0	1.07889	0	0	0	0	0	0	NA	0.16673	NA	0	NA
AT3G31401	AT3G31401	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G31402	AT3G31402	0	0	0	0	0	0	0	0.976246	0	0	0	0	0	NA	0.16673	NA	0	NA
AT3G31403	AT3G31403	0	0	0	0	0	0	2.15778	0	0	0	0	0	0	NA	0.266481	NA	0	NA
AT3G31406	AT3G31406	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G31410	AT3G31410	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G31420	AT3G31420	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT3G31422	AT3G31422	0	1.784246	0	0	0	0	1.07889	0	0	0	0	0	-0.26712	NA	-0.06363	NA	-0.24374	NA
AT3G31425	AT3G31425	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT3G31430	AT3G31430	0	0	0	0	0	0	1.07889	0	0	0	0	0	0	NA	0.16673	NA	0	NA
AT3G31440	AT3G31440	0	0	1.987402	0	1.778607	0	0	0	0	0	3.10772	0.230993	NA	0.209555	NA	0.350785	NA	NA
AT3G31442	SADHU7-2	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G31450	AT3G31450	0	1.784246	0	0	0.889303	1.07889	0	0	2.660668	0	0	0	-0.33016	NA	-0.072877	NA	0.137365	NA
AT3G31460	AT3G31460	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G31470	AT3G31470	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G31475	AT3G31475	0	0	0	0	0</													

AT3G33293	AT3G33293	0	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	NA	0.16673	NA	0	NA		
AT3G33377	AT3G33377	0	0	0	0	0	0	0.996841	0.889303	0	0	0	0	0	1.035907	0.133712	NA	0.142442	NA	0.162585	NA	
AT3G33393	AT3G33393	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA	NA	NA	
AT3G33448	AT3G33448	0	0	1.287654	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA	
AT3G33494	AT3G33494	0	0	0	0	0	0	0	0	0	0	0	0.959536	0	0	0	0	0	0	0	0.171512	NA
AT3G33520	ARP6	170.0133	192.6986	173.8333	135.6847	115.9318	170.4598	177.8607	175.8591	166.9381	220.6932	198.2198	164.7091	-0.34565	0.087754	-0.03739	0.891201	0.123952	0.757455	0.123952	0.757455	
AT3G33528	AT3G33528	1.188904	0	1.287654	4.536571	5.962205	6.977885	5.335821	3.23667	0	0	3.991002	2.071813	1.274546	0.047042	0.621095	0.040985	0.324636	0.324636	0.324636	0.324636	
AT3G33530	AT3G33530	888.1112	777.9313	770.0173	560.8852	513.4121	646.9497	599.3905	784.353	469.5743	754.195	707.7377	593.5744	-0.49149	0.011594	-0.3866	0.062754	-0.23988	0.479944	-0.23988	0.479944	
AT3G33537	AT3G33537	0	0	0	0.412416	0.662467	0	0	0	0	0	1.330334	1.035907	0.223338	NA	0	NA	0	NA	0.405264	NA	
AT3G33545	AT3G33545	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA	0	NA	
AT3G33555	AT3G33555	0	0	0	0	0	0	0.889303	0	0	0	0	1.035907	0	NA	0.137906	NA	0	1.5538	0	NA	
AT3G33565	AT3G33565	2.377808	0	0	0	0.662467	0	0.889303	0	0	0	0	1.035907	-0.28767	NA	-0.22746	NA	-0.20325	NA	-0.20325	NA	
AT3G33570	AT3G33570	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0	NA	0.172362	NA	
AT3G33572	AT3G33572	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT3G33575	AT3G33575	1.188904	0	0	0	0	0	1.778607	0	0	0.959536	1.330334	0	-0.28956	NA	0.096314	NA	0.148724	NA	0.148724	NA	
AT3G33585	AT3G33585	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA	0	NA	
AT3G33595	AT3G33595	0	0	0	0.662467	0	0	2.15778	0	0	0	0	2.071813	0.071135	NA	0.284097	NA	0.284523	NA	0.284523	NA	
AT3G34299	AT3G34299	0	0	0	0	0	0	0.889303	0	0.976246	0	1.330334	1.035907	0	NA	0.353908	NA	0.404864	NA	0.404864	NA	
AT3G35003	AT3G35003	0	0	0	0	0	0	0.889303	0	0.976246	0	0	0	0	NA	0.309898	NA	0	NA	0	NA	
AT3G35707	AT3G35707	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT3G36411	AT3G36411	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT3G36659	AT3G36659	0	0	0	0	0	0	0	1.07889	0	0	1.330334	1.035907	0	NA	0.179864	NA	0.38345	NA	0.38345	NA	
AT3G37820	AT3G37820	0	1.784246	0	0	0	0	0	1.07889	0	0	0	1.035907	-0.29378	NA	-0.07122	NA	-0.06723	NA	-0.06723	NA	
AT3G38525	AT3G38525	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA	0	NA	
AT3G39230	AT3G39230	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0	NA	0.172362	NA	
AT3G39935	AT3G39935	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	NA	0.16673	NA	0	NA	0	NA	
AT3G40640	AT3G40640	0	0	0	0	0	0	0	0	0	0	2.660668	0	0	NA	0	NA	0	NA	0.322821	NA	
AT3G41345	AT3G41345	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT3G41761	AT3G41761	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT3G41762	AT3G41762	17.83356	16.05821	0	9.073143	16.56168	10.96525	33.79353	22.65669	13.66744	6.716749	19.95501	14.50269	0.078418	0.913943	0.831367	0.159452	0.200454	NA	0.200454	NA	
AT3G41768	AT3G41768	31433.43	26008.95	14743.64	14016.77	14219.86	15349.35	8821.001	14617.88	26486.53	14170.42	6728.829	21349	-0.61057	0.228686	-0.44702	0.421614	-0.64799	0.40574	-0.64799	0.40574	
AT3G41979	AT3G41979	41.61164	35.68492	18.02716	35.46774	26.49869	42.86415	46.24378	50.70783	53.69353	21.10978	18.62468	52.83123	0.113746	0.820895	0.595987	0.165804	-0.02573	0.982852	-0.02573	0.982852	
AT3G42047	AT3G42047	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT3G42050	VHA-H	2516.91	1950.181	1975.262	1530.474	1519.7	1645.784	1643.433	1718.672	1462.417	1996.794	1948.939	1855.309	-0.45301	0.000506	-0.41392	0.002027	-0.15087	0.52809	-0.15087	0.52809	
AT3G42052	AT3G42052	179.5245	181.9931	190.5728	311.3738	347.7953	267.1533	242.7799	225.488	252.8477	224.5313	311.2981	199.93	0.73196	8.34E-05	0.375325	0.075412	0.39541	0.180128	0.39541	0.180128	
AT3G42054	AT3G42054	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0	NA	0.172362	NA	
AT3G42057	AT3G42057	0	0	0	0.824831	0	0	3.557214	0	0	0	0	0	0.113262	NA	0.445228	NA	0	NA	0	NA	
AT3G42060	AT3G42060	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA	0	NA	
AT3G42065	AT3G42065	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA	-0.19918	NA	
AT3G42070	AT3G42070	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT3G42080	AT3G42080	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0	NA	0.172362	NA	
AT3G42083	AT3G42083	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT3G42086	AT3G42086	0	0	0	0	0.662467	0	1.778607	3.23667	0	0	0	0	0.074691	NA	0.726831	NA	0	NA	0	NA	
AT3G42090	AT3G42090	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT3G42100	AT3G42100	1.188904	0	0	0	0.662467	0	0.889303	1.07889	0.976246	0	1.330334	1.035907	-0.19489	NA	0.284297	NA	0.161225	NA	0.161225	NA	
AT3G42110	AT3G42110	0	0	0	0	0	0	0	0	0	0	1.330334	1.035907	0	NA	0	NA	0.375122	NA	0.375122	NA	
AT3G42115	AT3G42115	0	0	0	0.412416	0	0	0	0	0.976246	0	0	0	0.065752	NA	0.143461	NA	0	NA	0	NA	
AT3G42120	AT3G42120	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT3G42130	AT3G42130	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT3G42140	AT3G42140	0	0	0	0	0	0	0.889303	1.07889	0.976246	0	1.330334	0	0	NA	0.54558	NA	0.220218	NA	0.220218	NA	
AT3G42148	AT3G42148	0	0	0	0	0	0	0	0	0	0.959536	0	0	0	NA	0	NA	0	NA	0.171512	NA	
AT3G42150	AT3G42150	65.38972	60.66437	61.80741	76.7093	78.83361	53.8294	52.46891	62.57562	76.14719	59.49121	54.54369	70.44164	0.16605	0.58373	0.018266	0.961461	-0.02317	0.975777	-0.02317	0.975777	
AT3G42155	AT3G42155	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT3G42160	AT3G42160	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0	NA	0.172362	NA	
AT3G42170	HAT	596.8298	426.4348	390.1593	304.7751	303.41	334.9385	241.8905	327.9825	318.2562	401.0859	379.1452	409.1831	-0.57608	0.001797	-0.66033	0.000412	-0.24592	0.446263	-0.24592	0.446263	
AT3G42174	AT3G42174	1.188904	0	1.287654	0	0	0	0	1.07889	1.952492	0.959536	0	0	-0.54684	NA	0.082319	NA	-0.25764	NA	-0.25764	NA	
AT3G42178	AT3G42178	0	0	0	0	0	0	0.889303	1.07889	0	0	1.330334	1.035907	0	NA	0.361969	NA	0.404406	NA	0.404406	NA	
AT3G42179	AT3G42179	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT3G42180	AT3G42180	0	0	3.862963	0.412416	0.662467	0	1.778607	2.15778	0	0	2.660668	1.035907	-0.45787	0.490312	0.001977	0.998157	-0.05863	NA	-0.05863	NA	
AT3G42181	AT3G42181	0	0	0	0	0.662467	0.996841	0	0	0	0	0	0	0.262313	NA	0	NA	0	NA	0	NA	
AT3G42182	AT3G42182	0	0	1.287654	0	0	0	0.889303	2.15778	0	0	1.330334	2.071813	-0.34976	NA	0.26369	NA	0.305231	NA	0.305231	NA	
AT3G42186	AT3G42186	1.188904	0	0	0	0	0	0	0	0.976246	0	1.330334	0	-0.24905	NA	-0.04113	NA	-0.00465	NA	-0.00465	NA	
AT3G42190	AT3G42190	0	0	0	0	0	0	1.778607	1.07889	0	0	0	0	0	NA	0.460477	NA	0	NA	0	NA	
AT3G42200	AT3G42200	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT3G42203	AT3G42203	0																				

AT3G43960	AT3G43960	52.31177	33.90067	36.05432	24.33252	17.88662	20.93366	20.45398	18.34113	34.16861	32.62421	27.93701	43.50807	-0.8783	0.010816	-0.6948	0.06458	-0.21951	0.757199
AT3G43970	AT3G43970	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G43980	RPS29A	79.65656	73.15409	81.12222	98.15491	108.6446	88.71883	58.69403	55.02339	145.4607	64.28889	77.15937	93.23159	0.313567	0.393502	0.134889	0.7581	0.00502	0.99927
AT3G43990	AT3G43990	0	0	0	0	0	0.996841	0	0	0.976246	0	0	0	0.133781	NA	0.142196	NA	0	NA
AT3G44000	AT3G44000	0	0	0	0	0	0.889303	0	0	0	0	0	1.035907	0	NA	0.137906	NA	0.15538	NA
AT3G44005	AT3G44005	0	0	0	0	0	0	0	0	0.959536	0	0	0	0	NA	0	NA	0.171512	NA
AT3G44006	AT3G44006	0	0	0	0	0.412416	0	0	0	0	0	0	2.660668	0.007479	NA	0.021611	0.021611	1.103891	NA
AT3G44010	RPS29A	430.3832	362.2019	399.1728	845.8643	747.2631	556.2372	369.0609	323.667	778.0681	655.3628	788.888	479.6247	0.801568	0.0066427	0.284201	0.421614	0.648179	1.29042
AT3G44020	AT3G44020	121.2682	89.2123	115.8889	125.3743	165.6168	94.69987	165.4104	79.83786	205.0117	181.3522	180.9254	147.0987	0.222651	0.53594	0.430717	0.213456	0.594374	0.200126
AT3G44030	AT3G44030	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G44035	AT3G44035	1.188904	0	0	0	0	0	0.889303	0	0	0	0	0	-0.20902	NA	-0.03919	NA	-0.19148	NA
AT3G44042	SADHU3-1	0	0	0	0.412416	0	0	0.889303	0	0	0	0	1.035907	0.066177	NA	0.148539	NA	0.168189	NA
AT3G44045	AT3G44045	0	0	0	2.886909	2.649869	0	0.889303	3.23667	1.952492	0	0	0	0.885334	0.141552	0.848468	0.1727	0	NA
AT3G44050	AT3G44050	129.5905	96.34929	104.3	85.78244	103.3449	100.6809	95.15547	83.07453	84.9334	148.728	145.0064	139.8474	-0.20687	0.355388	-0.32811	0.152848	0.37174	0.225633
AT3G44060	AT3G44060	1.188904	0	0	0.824831	0.662467	0	0	0	0	0	0	0	0.081256	NA	-0.24347	NA	-0.03396	NA
AT3G44070	AT3G44070	0	0	0	0	0	0.889303	1.07889	0	0	0	0	1.035907	0	NA	0.34029	NA	0.182576	NA
AT3G44080	AT3G44080	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT3G44090	AT3G44090	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G44091	AT3G44091	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G44093	AT3G44093	2.377808	0	0	0	0	0.889303	2.15778	0	0	0	0	0	-0.45322	NA	0.087266	NA	-0.40101	NA
AT3G44096	AT3G44096	0	5.352738	2.575309	0.824831	3.974804	1.993682	2.66791	0	1.952492	0	3.991002	6.215439	-0.07226	0.933733	-0.2667	0.747728	0.218264	NA
AT3G44100	AT3G44100	115.3237	126.6815	121.0395	257.7597	208.6772	122.6114	127.1704	149.9657	209.8929	142.9708	99.77505	114.9856	0.67545	0.016409	0.40222	0.205138	-0.0145	0.986817
AT3G44110	ATJ3	1575.298	1545.157	1619.869	1914.433	1699.229	1774.377	1839.969	1894.531	1782.625	1508.39	1492.635	1621.194	0.184163	0.071971	0.21688	0.037313	-0.03633	0.874874
AT3G44115	AT3G44115	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G44117	AT3G44117	0	1.784246	0	0	0.662467	0	0.889303	0	0	0	0	0	-0.13635	NA	-0.08681	NA	-0.2518	NA
AT3G44120	AT3G44120	5.94452	7.136984	9.01358	8.248311	11.26194	7.974726	13.33955	8.63112	10.73871	13.4335	17.29434	14.50269	0.232091	0.697384	0.455451	0.438565	0.839118	NA
AT3G44130	AT3G44130	0	0	0	0	0	0	0.889303	0	0.976246	0	0	0	0	NA	0.309898	NA	0	NA
AT3G44140	AT3G44140	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G44150	AT3G44150	111.757	98.13353	127.4778	162.4917	170.9166	153.5135	134.2848	103.5734	161.0806	86.35821	163.6311	93.23159	0.503268	0.055709	0.227268	0.468526	0.003516	0.996198
AT3G44160	AT3G44160	177.1467	203.404	200.8741	191.7732	191.453	172.4535	190.3109	193.1213	179.6293	260.9937	256.7545	199.93	-0.0548	0.800187	-0.04149	0.862733	0.301012	0.256608
AT3G44170	AT3G44170	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G44171	AT3G44171	0	0	0	0.662467	0	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT3G44175	AT3G44175	0	0	0	0	0	1.778607	1.07889	0	0	0	0	0	0	NA	0.460477	NA	0	NA
AT3G44180	AT3G44180	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT3G44190	AT3G44190	161.6909	206.9725	180.2716	200.0216	186.1533	198.3713	150.2923	169.3857	245.0377	155.4448	139.6851	171.9605	0.095636	0.710835	0.046052	0.875924	-0.21585	0.581855
AT3G44200	NEK5	49.6831	314.0273	302.5988	169.5028	166.9418	206.346	150.2923	176.938	123.9832	269.6295	329.9228	258.9766	-0.91999	1.05E-06	-1.17329	7.8E-10	-0.27188	0.416253
AT3G44205	AT3G44205	34.47821	53.52738	45.0679	29.69392	24.51129	33.89259	30.23632	36.68226	25.3824	33.58375	37.24935	40.40035	-0.54986	0.080277	-0.47812	0.168068	-0.2234	0.717573
AT3G44210	AT3G44210	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G44212	AT3G44212	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G44215	AT3G44215	1.188904	1.784246	0	0	0.662467	0.996841	0	0	0	0	0	0	-0.17478	NA	-0.50176	NA	-0.48916	NA
AT3G44220	AT3G44220	11.8904	14.27397	21.89012	9.073143	4.637271	9.968408	7.114428	7.55223	4.88123	16.31211	13.30334	13.46678	-0.86947	0.069633	-1.0635	0.037148	-0.12555	NA
AT3G44230	AT3G44230	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G44235	AT3G44235	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G44240	CAF1-8	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT3G44245	AT3G44245	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT3G44250	CYP71B38	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G44260	CAF1-9	54.68958	53.52738	88.84815	427.2625	439.8783	948.9924	931.1007	975.3165	1863.654	68.12703	51.88302	85.98024	2.739907	9.85E-12	3.6758	1.57E-20	0.045301	0.970665
AT3G44261	AT3G44261	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G44262	AT3G44262	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G44264	AT3G44264	0	0	0	0	0	0	0	0	0.959536	0	1.035907	0	0	NA	0	NA	0.332992	NA
AT3G44267	AT3G44267	0	0	0	0.662467	0	0.889303	0	0	0	0	0	1.035907	0.099976	NA	0.14456	NA	0.164373	NA
AT3G44270	AT3G44270	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G44274	AT3G44274	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G44280	AT3G44280	66.57862	85.64381	65.67037	135.6847	133.1559	108.6556	112.9415	90.62675	176.7005	71.96517	102.4357	121.2011	0.764708	0.006584	0.770136	0.008015	0.41986	0.379363
AT3G44290	NAC60	2.377808	1.784246	0	0	2.649869	0	0.889303	0	1.952492	0	1.330334	0	-0.16599	0.813621	-0.13597	0.855259	-0.36733	NA
AT3G44300	NIT2	345.971	417.5136	522.7877	1349.424	1341.496	1830.2	1362.413	1424.135	991.8659	353.1091	252.7635	362.5673	1.756076	1.345E-18	1.505576	1.64E-13	-0.39208	0.265066
AT3G44310	NIT1	5804.229	6767.645	6574.763	5070.237	4973.142	5428.795	3475.398	3529.049	4127.568	6061.387	5157.705	6562.468	-0.30385	0.024496	-0.77321	5.79E-10	-0.10489	0.685948
AT3G44320	NIT3	47.55616	73.15409	39.91728	75.05963	68.8966	99.68408	50.6903	52.86561	62.47974	64.28889	46.56169	47.6517	0.587175	0.038975	0.070916	0.85997	0.016946	0.984172
AT3G44325	AT3G44325	0	0	0	0	0.662467	0	1.07889	0	0.959536	0	0	0	0.09931	NA	0.162455	NA	0.157224	NA
AT3G44326	AT3G44326	0	0	10.7228	4.637271	6.977885	2.66791	0	0.976246	0.959536	0	0	0	2.145393	0.000337	0.538686	0.463724	0.105115	NA
AT3G44330	AT3G44330	525.4955	388.9656	458.4049	473.4531	438.5533	543.2782	430.4229	488.7371	430.5245	459.6176	460.2956	521.061	0.073367	0.704297	-0.03128	0.887872	0.063247	0.86061
AT3G44340	CEF	898.8114	751.1676	762.2914	925.0481	975.8143	1107.49	1011.138	1008.762	690.2059	628.4958	633.239	590.4667	0.309744	0.081631	0.1633	0.425368	-0.37555	0.134038
AT3G44350	NAC061	1.188904	3.568492	2.575309	43.30364	39.08557	47.84836	24.01119	35.60337	25.3824	2.878607	0	0	3.279076	7.45E-13	2.676574	1.62E-06		

AT3G45480	AT3G45480	0	1.784246	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA		
AT3G45490	AT3G45490	0	0	0	0.412416	0.662467	0	2.66791	0	0	0	0	0	0	0	0	0	0	0	0	0.177351	NA	0.414738	NA	0	NA		
AT3G45500	AT3G45500	0	0	1.287654	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2071813	NA	-0.20656	NA	0.115737	NA		
AT3G45510	AT3G45510	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0.172362	NA		
AT3G45520	AT3G45520	0	1.784246	0	0	0	0	0.889303	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-0.26522	NA	-0.08117	NA		
AT3G45525	AT3G45525	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA		
AT3G45530	AT3G45530	1.188904	0	1.287654	0.412416	0	0.996841	1.778607	1.07889	0	0	0	1.330334	1.035907	0	0	0	0	0	0	0	-0.26751	NA	0.049749	NA	-0.05923	NA	
AT3G45540	AT3G45540	0	3.568492	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-0.44877	NA	-0.4322	NA	-0.42711	NA	
AT3G45550	AT3G45550	0	0	0	0	0	0	0	0	1.07889	1.952492	0	1.330334	0	0	0	0	0	0	0	0	0	0	NA	0.486938	NA	0.198816	NA
AT3G45555	AT3G45555	0	3.568492	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-0.44877	NA	-0.4322	NA	-0.42711	NA	
AT3G45560	AT3G45560	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA	NA	
AT3G45570	AT3G45570	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA	NA	
AT3G45577	AT3G45577	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA	NA	
AT3G45580	AT3G45580	0	0	0	0	0	0	1.778607	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.26262	NA	0.150298	NA
AT3G45590	SEN1	28.53369	24.97944	36.05432	54.02644	71.54647	73.76622	61.36194	47.47116	54.66978	39.34096	31.92802	31.0772	1.058144	0.000193	0.802264	0.009343	0.166128	0.806773	0.062237	0.782035	-0.27799	0.159825	0.21691	0.48264	0.134769	0.895904	
AT3G45600	TET3	417.3053	553.1163	542.1025	529.1292	589.5959	455.5562	446.4303	375.4537	416.857	655.3628	611.9536	492.0556	0.062237	0.782035	-0.27799	0.159825	0.21691	0.48264	0.134769	0.895904	-0.56509	0.238351	-0.09566	0.877535	-0.57077	0.011169	
AT3G45610	DOF3.2	21.40027	14.27397	16.73951	14.02213	13.91181	3.987363	10.67164	16.18335	22.45366	18.23118	21.28534	19.68222	-0.56509	0.238351	-0.09566	0.877535	-0.57077	0.011169	0.134769	0.895904	1.091607	3.93-12	0.64684	0.000113	0.175748	0.481366	
AT3G45620	AT3G45620	221.1361	303.3218	292.2975	634.7076	577.009	540.2877	393.0721	487.6583	404.1658	195.7453	163.6311	181.2836	-0.61937	0.001474	-0.37353	0.081185	-0.31933	0.314709	0.134769	0.895904	0.51949	0.315561	0.998608	0.042577	-0.50435	NA	
AT3G45630	AT3G45630	600.3965	460.3355	444.2407	326.2207	317.3218	326.9638	429.5336	454.2127	272.3726	403.9645	395.1092	401.9317	0.923435	3.1E-13	1.349759	1.84E-27	-0.43924	0.011708	0.134769	0.895904	1.191282	1482.708	1350.749	2313.651	2555.799	2818.069	
AT3G45638	AT3G45638	11.88904	16.05821	7.725926	17.73387	19.87402	15.94945	21.34328	10.402609	6.767285	1.330334	12.43088	0	0.923435	3.1E-13	1.349759	1.84E-27	-0.43924	0.011708	0.134769	0.895904	11.88904	16.05821	7.725926	17.73387	19.87402	15.94945	
AT3G45640	MPK3	1191.282	1482.708	1350.749	2313.651	2555.799	2818.069	3639.03	3632.622	3086.89	932.6686	1042.982	978.9317	0.923435	3.1E-13	1.349759	1.84E-27	-0.43924	0.011708	0.134769	0.895904	1191.282	1482.708	1350.749	2313.651	2555.799	2818.069	
AT3G45650	NPF2.7	33.28931	37.46917	48.93086	82.89553	79.49607	93.70303	72.03358	88.46897	99.57709	35.50282	33.25835	37.29264	1.039967	3.39E-05	0.674481	0.333442	0.969482	0.163001	0.328648	0.163001	0.674481	0.333442	0.969482	0.163001	0.328648	0.163001	
AT3G45660	NPF2.6	3.566712	0	0	2.474493	3.974804	4.984204	8.003731	3.23667	3.904984	4.797678	0	0.2071813	0.674481	0.333442	0.969482	0.163001	0.328648	0.163001	0.328648	0.163001	0.674481	0.333442	0.969482	0.163001	0.328648	0.163001	
AT3G45670	AT3G45670	0	0	2.575309	0	0	0	0.889303	0	0	0	0	0	0	0	0	0	0	0	0	0	-0.43226	NA	-0.23534	NA	-0.21273	NA	
AT3G45673	AT3G45673	0	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	0	0	0	0	0	0	0	NA	NA	0	NA	0.172362	NA
AT3G45680	NPF2.3	29.7226	10.70548	23.17778	7.011065	6.624673	7.974726	4.446517	3.23667	3.904984	36.46235	33.25835	34.18492	-1.40545	0.000761	-1.98196	1.53E-05	0.624609	0.323771	0.134769	0.895904	0.095918	NA	0	NA	0	NA	
AT3G45690	NPF2.2	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	-0.42471	NA	-0.41895	NA	0	NA	0	0	0	0	0	0	0
AT3G45700	NPF2.4	1.188904	0	0	1.237247	1.324935	0	2.66791	2.15778	0.976246	0	0	0	0.245374	NA	0.663258	NA	-0.27887	NA	0	NA	0	0	0	0	0	0	0
AT3G45710	NPF2.5	7.133424	12.48972	10.30123	10.31039	9.274542	5.981045	6.225124	1.07889	2.928738	7.676285	7.982004	7.251346	-0.10538	0.875944	-1.06649	0.069998	-0.27799	0.159825	0.21691	0.48264	0.095918	NA	0	NA	0	NA	
AT3G45720	NPF2.1	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	-0.42471	NA	-0.41895	NA	0	NA	0	0	0	0	0	0	0
AT3G45730	AT3G45730	20.21137	35.68492	27.04074	111.7646	89.43308	57.81677	85.37313	57.18117	93.71962	20.15025	23.94601	19.68222	1.565662	8.41E-07	1.421888	1.41E-05	-0.32291	0.645681	0.134769	0.895904	0.338987	0.107951	0.175748	0.481366	-0.03186	0.954739	
AT3G45740	AT3G45740	111.757	132.0342	124.9025	164.5538	144.4179	157.5008	153.8495	148.8868	113.2445	141.05117	105.0964	110.842	-0.22806	0.474789	-0.10493	0.780235	-0.03171	0.966307	0.134769	0.895904	111.757	132.0342	124.9025	164.5538	144.4179	157.5008	
AT3G45750	AT3G45750	115.3237	66.0171	108.163	91.96867	73.53387	81.74094	110.2736	99.25787	61.5035	102.6703	73.16837	108.7702	-0.22806	0.474789	-0.10493	0.780235	-0.03171	0.966307	0.134769	0.895904	115.3237	66.0171	108.163	91.96867	73.53387	81.74094	110.2736
AT3G45755	AT3G45755	0	0	0	0	0	0	0	0	1.778607	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0.248756	NA	0	NA
AT3G45760	AT3G45760	408.983	390.7499	458.4049	393.8569	412.0546	373.8153	383.2898	429.3982	436.382	342.5542	332.5835	381.2136	-0.0927	0.560839	-0.01438	0.941326	-0.25045	0.241532	0.134769	0.895904	408.983	390.7499	458.4049	393.8569	412.0546	373.8153	
AT3G45770	AT3G45770	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT3G45780	PHOT1	5386.924	5295.642	4918.84	2362.316	2402.106	2868.908	2807.531	2918.397	2107.715	4516.534	5355.925	4464.757	-1.01596	2.31E-12	-0.9784	1.78E-11	-0.12025	0.694535	0.134769	0.895904	5386.924	5295.642	4918.84	2362.316	2402.106	2868.908	
AT3G45790	AT3G45790	1.188904	0	0	1.287654	0	0	0	0	0	0	0	0	0.095918	NA	-0.42471	NA	-0.41895	NA	0	NA	0	0	0	0	0	0	0
AT3G45800	AT3G45800	16.64466	7.136984	10.30123	4.536571	8.612075	2.990522	3.535821	2.15778	1.952492	13.4335	10.64267	14.50269	-0.85716	0.118058	-1.33935	0.018494	0.138762	NA	0	NA	16.64466	7.136984	10.30123	4.536571	8.612075	2.990522	
AT3G45810	RBOHJ	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT3G45820	AT3G45820	0	0	2.575309	0.412416	0	0	0.889303	0	0.976246	0.959536	0	0	-0.38518	NA	-0.09673	NA	-0.24758	NA	0	NA	0	0	0	0	0	0	0
AT3G45830	AT3G45830	277.0146	239.089	216.3259	109.2901	122.5564	174.4471	184.0858	195.2791	179.6293	172.7164	219.5051	198.8941	-0.84936	1.46E-05	-0.38162	0.084079	-0.30669	0.361599	0.134769	0.895904	277.0146	239.089	216.3259	109.2901	122.5564	174.4471	
AT3G45840	AT3G45840	0	0	0	0	0	0.996841	0	0	0	0	0	0	0.134822	NA	0	NA	0.152581	NA	0	NA	0	0	0	0	0	0	0
AT3G45850	AT3G45850	1040.291	920.671	916.8099	430.5619	372.9691	465.5246	503.3458	541.6027	296.7788	1063.165	1174.685	936.4595	-1.14981	3.66E-09	-1.07062	5.9E-08	0.136769	0.745516	0.134769	0.895904	1040.291	920.671	916.8099	430.5619	372.9691	465.5246	
AT3G45851	AT3G45851	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT3G45860	CRK4	565.9183	808.2635	589.7457	1734.207	1572																						

AT3G46370	AT3G46370	430.3832	506.7259	509.9111	44.9533	37.09817	75.7599	142.2886	130.5457	56.62227	511.4325	456.3046	463.0502	-3.03329	2.28E-30	-2.01817	3.07E-14	-0.01352	0.987026
AT3G46375	AT3G46375	2.377808	0	1.287654	1.237247	0	0	0	1.07889	2.928738	2.878607	0	2.071813	-0.39285	0.569428	0.012297	0.988032	0.151385	NA
AT3G46380	AT3G46380	0	0	0	0	0	0	0	0	0.976246	0	0	0	0	0	0.16673	NA	0	NA
AT3G46382	AT3G46382	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G46384	AT3G46384	0	0	0	0	0	0	0	0.889303	0	0	0	1.330334	0	0	0.141773	NA	0.183636	NA
AT3G46385	AT3G46385	57.06739	73.15409	56.65679	73.82239	64.92179	69.77885	73.81219	59.33895	55.64602	75.80331	53.21336	74.58527	0.17094	0.55675	0.033275	0.927091	0.146402	0.784341
AT3G46387	AT3G46387	0	0	0	0	0	0	1.778607	0	0	0	0	0	0	0	0.248756	NA	0	NA
AT3G46390	AT3G46390	0	0	1.287654	0	0	0.996841	0	0	0	0	0	0	0.15625	NA	0	NA	0	NA
AT3G46400	AT3G46400	0	0	0	0	0	0	0	1.07889	0.976246	0	1.330334	0	0	0	0.34973	NA	0.20646	NA
AT3G46410	AT3G46410	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	0.160764	NA	0	NA
AT3G46420	AT3G46420	0	0	0	0	0	0	0	0.976246	0	0	0	0	0	0	0.16673	NA	0	NA
AT3G46430	AT3G46430	304.0265	287.2636	327.0642	566.659	712.1523	408.7047	449.9876	286.9847	612.1062	355.0282	432.3585	528.3123	0.782476	0.003491	0.473589	0.109221	0.438061	0.311768
AT3G46440	UX55	202.1137	256.9314	233.0654	579.4439	495.5255	482.4709	494.4527	548.0761	424.667	253.3174	263.4061	232.0431	1.167079	2.72E-14	1.071088	4.89E-12	0.116178	0.740609
AT3G46450	AT3G46450	290.0926	244.4417	269.1198	225.1789	227.2263	298.0554	253.4515	283.7481	178.653	215.8955	263.4061	233.079	-0.10671	0.667975	-0.16691	0.504301	-0.17568	0.656462
AT3G46460	UBC13	229.4585	190.9143	258.8185	208.6823	280.2237	192.3903	203.6505	143.4924	280.1826	246.6007	347.2172	229.9712	0.001934	0.996071	-0.11167	0.748204	0.259005	0.589945
AT3G46470	AT3G46470	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G46480	AT3G46480	0	0	0	0.412416	0.662467	0	1.778607	1.07889	0	0	0	0	0.205801	NA	0.500313	NA	0	NA
AT3G46482	AT3G46482	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G46484	AT3G46484	0	0	0	0	0	0	1.07889	0	0	0	0	2.071813	0	0	0.150233	NA	0.295662	NA
AT3G46487	AT3G46487	0	0	0	0.412416	0.662467	0	1.07889	0	0	0	2.660668	0	0.179427	NA	0.159971	NA	0.378239	NA
AT3G46490	AT3G46490	74.90095	73.15409	72.10864	15.25938	10.59948	7.974726	8.003731	10.7889	9.76246	89.23681	70.5077	103.5907	-2.44083	2.76E-17	-2.6819	9.62E-17	0.257184	0.608101
AT3G46500	AT3G46500	0	3.568492	0	1.237247	0.662467	0.996841	1.778607	2.15778	0.976246	0	2.660668	1.025907	-0.0354	0.966029	0.257186	0.746131	0.053926	NA
AT3G46510	PUB13	759.7096	706.5614	598.7593	580.6811	575.0216	646.9497	540.6965	651.6495	477.3843	458.658	494.8842	479.6247	-0.19483	0.246992	-0.3029	0.068636	-0.51947	0.006914
AT3G46520	ACT11	0	0	1.287654	0	0.662467	0.996841	2.66791	3.23667	1.952492	0.959536	2.660668	1.035907	-0.11324	0.887169	0.887414	0.186499	0.460679	NA
AT3G46530	RP113	483.8839	460.3355	356.6803	502.7346	557.135	565.2087	764.801	862.0331	852.2628	402.0454	391.1182	427.8294	0.315175	0.03543	0.918841	1.146191	-0.08799	0.780835
AT3G46540	AT3G46540	252.0476	344.3595	324.4889	708.53	598.8704	587.1392	510.4602	546.9972	612.1062	321.4444	299.3251	376.0341	1.030865	6.06E-11	0.848153	1.62E-07	0.119975	0.734183
AT3G46550	FLA4	268.6923	133.8185	126.1901	82.48311	81.48347	113.6398	64.02985	80.91675	108.3633	110.3466	142.3457	114.9856	-0.89106	0.002487	-1.00614	0.000797	-0.50456	0.286336
AT3G46560	TIM9	189.0357	196.2671	199.5864	325.3959	346.4704	220.3018	190.3109	183.4113	381.7122	218.7741	244.7815	235.1508	0.584069	0.03412	0.351134	0.257127	0.242772	0.636505
AT3G46570	AT3G46570	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G46580	MBD5	32.10041	51.74313	63.09506	71.34789	77.50867	72.76938	55.13682	45.31338	91.76712	63.32935	65.18636	68.36983	0.56431	0.069557	0.371861	0.290948	0.402057	0.445334
AT3G46585	AT3G46585	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	0.160764	NA	0.068718	NA
AT3G46590	TRP2	749.0095	827.8902	744.2642	754.3081	731.3639	720.7159	937.3259	1108.02	964.531	750.3569	698.4253	719.955	-0.06867	0.626415	0.373433	0.001363	-0.09331	0.687818
AT3G46600	SCL30	464.8614	447.8458	449.3914	579.4439	549.1854	803.4537	1164.098	1286.037	1004.557	358.8663	348.5475	393.6445	0.488919	1.004911	1.316558	2.02E-16	-0.30025	0.28843
AT3G46610	AT3G46610	271.0701	239.089	239.5037	134.0351	131.1685	149.5261	216.1007	264.328	201.1067	250.4388	216.8444	246.5458	-0.84873	0.02E-07	-0.14076	0.489485	-0.06875	0.858201
AT3G46613	RTFL4	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G46614	AT3G46614	1.188904	0	0	0.824831	0.662467	0.996841	2.66791	0	0.976246	0.959536	1.330334	1.035907	0.162427	0.829241	0.385645	0.589242	0.304502	NA
AT3G46616	AT3G46616	0	0	0	0	0	0	0	0	0	0	1.330334	1.035907	0	0	0	NA	0.375122	NA
AT3G46620	AT3G46620	109.3792	148.0924	153.2309	416.1273	419.3418	724.7032	789.7015	780.0374	968.436	137.2136	159.6401	165.745	1.848601	9.95E-17	2.533059	6.3E-31	0.164267	0.748154
AT3G46630	AT3G46630	545.7069	624.4861	571.7185	488.3	594.8956	495.4299	647.4129	634.3873	896.1938	736.9234	802.1914	619.4721	-0.13748	0.510683	0.317694	0.101863	0.303737	0.281585
AT3G46640	LUX	93.92341	89.2123	86.27284	277.9681	253.725	288.087	593.1654	702.3574	117.9149	97.87263	115.7391	117.0574	1.528778	9.13E-11	3.065947	9.74E-42	0.271993	0.570418
AT3G46650	AT3G46650	9.511232	17.84246	19.31482	11.96005	11.26194	6.977885	14.22886	20.49891	16.59618	19.19071	9.312338	20.71813	-0.48502	0.323063	1.133675	0.824654	0.110674	NA
AT3G46658	AT3G46658	2.377808	0	0	1.649662	0.662467	0	0.889303	2.15778	2.928738	0	0	0	0.000592	0.999744	0.446979	0.517371	-0.45424	NA
AT3G46660	UGT76E12	0	0	0	0.662467	0	0	0	0	0	0	0	0	0.128567	0	0	NA	0	NA
AT3G46666	AT3G46666	0	0	0	0	0	1.778607	0	0	0.959536	0	0	0	0	0	0.262373	NA	0.143228	NA
AT3G46668	AT3G46668	16.64466	3.568492	14.1642	16.08421	17.22415	13.95577	14.22886	16.18335	19.52492	12.47396	17.29434	14.50269	0.334601	0.505648	0.390806	0.462782	0.227719	NA
AT3G46670	UGT76E11	161.6909	128.4657	166.1074	65.98649	72.8714	74.76306	148.5137	105.7312	132.7695	186.1499	188.9074	181.2836	-1.08376	5E-09	-0.23656	0.291396	0.696433	0.4002
AT3G46680	UGT76E6	0	0	1.287654	4.536571	3.312336	4.984204	2.66791	5.39445	1.952492	1.919071	0	0	1.283055	0.044662	1.000306	0.145574	0.053177	NA
AT3G46690	UGT76E5	3.566712	3.568492	3.862963	42.89122	47.03518	74.76306	40.9796	60.41784	47.83605	0	2.660668	2.071813	3.157878	2.79E-13	3.029487	4.59E-12	-0.66449	0.518203
AT3G46700	UGT76E3	1.188904	3.568492	1.287654	16.08421	19.87402	23.92418	26.6791	16.18335	20.50117	0	3.991002	3.10772	2.34941	4.13E-06	2.435083	2.37E-06	0.022506	NA
AT3G46710	RPP13L2	0	1.784246	0	0	0	0.996841	0	0	0	0	0	1.035907	-0.10175	NA	-0.25883	NA	0.096867	NA
AT3G46720	UGT76E5	0	0	0	0	0	0.996841	3.557214	0	0.976246	0	0	2.071813	0.082838	NA	0.617538	NA	-0.28854	NA
AT3G46730	RPP13L3	1.188904	7.136984	1.287654	0.824831	1.987402	5.981045	0.889303	1.07889	0.976246	5.757214	1.330334	7.251346	-0.07478	0.93131	-0.66108	0.372854	0.446311	NA
AT3G46740	TC075-3	1371.995	840.3799	767.442	492.4242	463.0646	597.1076	540.6965	685.0951	631.6132	826.1602	721.041	795.5762	-0.91621	8.73E-06	-0.66391	0.002125	-0.33796	0.328323
AT3G46750	AT3G46750	0	0	0	0	0.662467	0	0.889303	0	0	0	0	0	0.097058	NA	0.130384	NA	0	NA
AT3G46760	LECRK5	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G46770	REM22	8.322328	7.136984	10.30123	5.773818	8.612075	2.990522	0.889303	2.15778	4.88123	15.35257	13.30334	7.251346	-0.40837	0.516685	-1.15926	0.056084	0.387929	NA
AT3G46780	PTAC16	8820.478	9508.247	8654.325	3427.586	3038.075	3439.101	3789.322	4806.455	4386.273	8890.098	9019.664	8480.967	-1.43256	4.24E-40	-1.04603	1.03E-21	-0.03156	0.913471
AT3G46790	CRR2	117.7015	99.91778	83.69753	80.00862	75.52127	111.6462	97.82											

AT3G47210	AT3G47210	1.188904	1.784246	1.287654	15.25938	17.22415	20.93366	20.45398	11.86779	13.66744	4.797678	0	1.035907	2.378448	7.21E-06	2.190768	0.000061	0.150894	NA
AT3G47220	PLC9	13.07794	10.70548	11.58889	16.49662	14.57428	11.96209	8.893035	14.02557	14.64369	4.797678	3.991002	1.035907	0.278064	0.612686	0.065423	0.922211	-1.34329	NA
AT3G47230	AT3G47230	0	0	1.287654	0.412416	0	0	3.557214	2.15778	0.976246	0	1.330334	1.035907	-0.28064	0.681488	0.779132	0.221344	0.138224	NA
AT3G47240	AT3G47240	2.377808	0	0	0.412416	0.662467	0	0	1.07889	0.976246	0	0	0	-0.22804	NA	-0.0682	NA	-0.44018	NA
AT3G47250	AT3G47250	1279.261	1557.647	1412.557	1759.365	1593.234	1815.247	1919.117	1798.51	1253.5	1183.107	1382.217	1352.894	0.277884	0.126585	0.223196	0.255472	-0.11424	0.745579
AT3G47260	AT3G47260	1.188904	0	0	0	0.662467	0	0.889303	1.07889	0.976246	0	1.330334	0	-0.1704	NA	0.285842	NA	-0.02719	NA
AT3G47270	AT3G47270	0	0	0	0.412416	1.324935	1.993682	0	0	0	0	0	0	0.664459	NA	0	NA	0	NA
AT3G47280	AT3G47280	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT3G47290	PLC8	252.0476	317.5958	267.8321	230.1279	234.5134	276.1249	186.7537	215.778	195.2492	237.0053	223.4961	249.6535	-0.1736	0.323297	-0.47196	0.004222	-0.22344	0.414759
AT3G47295	PSY2	61.82301	94.56504	73.3963	62.68717	61.60946	46.85152	52.46891	47.47116	66.38473	153.5257	262.0758	103.5907	-0.376	0.289396	-0.42015	0.259727	1.107582	0.003567
AT3G47300	SELT	45.17835	68.8492	45.0679	55.6761	53.65985	51.83572	52.46891	39.91893	45.88356	31.66468	35.91902	41.43626	0.331677	0.259754	0.118979	0.749452	-0.21328	0.711805
AT3G47310	AT3G47310	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0	NA	0	NA
AT3G47320	AT3G47320	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G47330	AT3G47330	0	1.784246	1.287654	0	0	0	0	0.976246	0	0	0	0	-0.52658	NA	-0.28479	NA	-0.48113	NA
AT3G47340	ASN1	594.452	488.8834	511.1988	247.4493	239.8132	393.7521	478.4453	532.9716	441.6861	467.2939	494.8842	469.2657	-0.83882	7.83E-05	-0.23138	0.37162	-0.15268	0.730657
AT3G47341	AT3G47341	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G47342	AT3G47342	3.566712	3.568492	5.150617	3.71174	3.974804	1.993682	1.778607	4.31556	7.809968	6.716749	1.330334	6.215439	-0.20825	0.786717	0.103958	0.902482	0.169604	0
AT3G47347	AT3G47347	17.83356	26.76369	15.45185	23.09527	26.49869	20.93366	22.23259	12.94668	15.61994	19.19071	19.95501	11.39497	0.250675	0.582768	-0.17331	0.746053	-0.19855	0.826161
AT3G47348	AT3G47348	35.66712	8.92123	29.61605	48.25262	44.38531	50.83888	40.01866	35.60337	35.14486	27.82653	38.57969	39.36445	0.815824	0.104033	0.467618	0.227316	0.395514	0.521643
AT3G47350	HS2	192.6024	190.9143	187.9975	133.6226	123.2189	161.4882	133.3955	159.6757	149.3656	150.6471	99.77505	166.781	-0.44641	0.032429	-0.36103	0.111108	-0.43021	0.16697
AT3G47360	HS3	170.0133	139.1712	194.43518	171.1525	172.904	179.4313	232.9975	195.2791	155.2331	268.67	272.7185	160.5655	0.04551	0.885187	0.199152	0.49121	0.45298	0.208946
AT3G47370	RS2D08	581.374	608.4279	657.9914	661.1022	692.2783	553.2466	513.1281	453.1338	272.3033	611.2242	505.5269	709.596	0.045834	0.806565	-0.12208	0.662304	-0.01477	0.979709
AT3G47380	AT3G47380	21.40027	26.76369	25.75309	72.99756	78.83361	41.86731	29.34701	33.44559	50.76479	21.10978	33.25835	21.75404	1.30508	0.00012	0.563065	0.164464	0.022575	0.983803
AT3G47390	PYRR	179.5245	214.1095	226.6272	193.0105	158.9921	167.4693	184.9751	175.8591	140.5794	222.6123	183.5861	240.3303	-0.24102	0.24123	-0.29583	0.166621	0.066669	0.879636
AT3G47400	PME33	11.88904	8.82123	5.150617	4.536571	1.987402	4.984204	2.66791	5.39445	3.904984	5.95356	10.64267	6.215439	-0.88513	0.127493	-0.82639	0.189349	0.021924	NA
AT3G47410	AT3G47410	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G47420	ATP53	275.8257	314.0273	257.5309	296.9392	225.2389	327.9606	129.8383	130.5457	107.3871	258.1151	194.2288	229.9712	0.006654	0.979881	-1.16741	7.52E-10	-0.29585	0.354747
AT3G47430	PEX11B	102.2457	119.5445	99.14938	81.24587	100.695	52.83256	119.1667	122.9935	157.1756	123.7801	117.0694	101.5188	-0.40929	0.113301	0.310601	0.263896	0.096357	0.865107
AT3G47440	TIP5-1	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G47450	NOA1	347.16	367.5547	431.3642	265.5956	214.6394	247.2165	345.0498	374.3748	295.8025	369.4212	305.9768	400.8958	-0.64168	0.000122	-0.17277	0.400128	-0.08594	0.820327
AT3G47460	SMC-2	103.4346	71.36984	90.1358	85.78244	60.94699	61.80413	92.48756	83.07453	57.59851	103.6298	103.766	90.12387	-0.32674	0.237553	-0.18789	0.555523	0.146601	0.784773
AT3G47470	LHC4A	61930.01	77545.12	71878.15	41967	37919.63	35619.11	28491.5	28476.22	31489.79	68751.69	73260.16	66931.99	-0.86324	2.49E-14	-1.24451	4.97E-29	-0.01634	0.960714
AT3G47480	CM147	52.31177	107.0548	63.09506	77.74034	75.45647	526.3319	614.5087	479.0271	718.5171	49.89585	50.52669	31.0772	3.06287	1.85E-36	2.909738	7.46E-33	-0.67987	0.105535
AT3G47490	AT3G47490	154.5575	160.5821	198.2988	275.4936	249.7502	218.3081	218.7754	266.5152	158.3234	148.9974	202.0018	0.052471	0.007433	0.406146	0.055859	-0.01036	0.98659	0
AT3G47500	CFD3	1237.649	1268.599	1269.627	617.3861	556.4725	634.9876	424.1978	431.556	363.1635	1208.055	1245.193	993.4344	-1.05029	1.13E-17	-1.61136	1.74E-38	-0.13065	0.594816
AT3G47510	AT3G47510	35.66712	28.54794	43.78025	34.23049	32.4609	30.20626	33.79353	15.10446	37.09735	33.98375	61.19536	47.6517	-0.14254	0.742184	-0.30214	0.482895	0.342497	0.591286
AT3G47520	MDH	1114.003	933.1607	924.5358	678.836	720.7644	701.7759	628.7376	717.4618	786.8543	992.1598	1199.961	903.3105	-0.49441	0.000939	-0.47313	0.002087	0.054873	0.87702
AT3G47530	PCMP-H76	55.87849	35.68492	47.64321	56.50093	49.68505	55.82308	42.68657	57.18117	52.71278	37.42189	39.91002	34.18492	0.188125	0.550812	0.09734	0.795866	-0.32973	0.521295
AT3G47540	AT3G47540	71.33424	74.93833	74.63985	214.8865	214.8865	198.3713	224.9938	174.7802	219.6553	44.43914	95.78405	89.08796	1.510624	1.46E-16	1.516768	6.95E-16	0.269235	0.473181
AT3G47543	AT3G47543	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G47550	AT3G47550	217.5694	272.9896	284.5716	381.072	313.347	364.8437	384.1791	399.1893	332.8999	222.6123	183.5861	197.8581	0.448007	0.007673	0.52078	0.002204	-0.34385	0.196048
AT3G47560	AT3G47560	305.5483	372.9074	341.2284	334.8814	289.4982	304.0364	338.8246	285.9058	372.926	432.7506	379.1452	428.8653	-0.1249	0.493952	-0.02418	0.913644	0.286361	0.238435
AT3G47570	AT3G47570	115.3237	99.91778	113.3136	166.2035	139.7806	197.3745	157.067	215.778	154.2469	108.4275	105.0964	105.6625	0.583905	0.005719	0.652655	0.002454	-0.04674	0.933855
AT3G47580	AT3G47580	74.90095	87.42806	69.53333	30.93117	28.48609	34.88943	56.91542	51.78672	30.26363	85.39867	83.81104	82.87252	-1.23793	1.05E-06	-0.69286	0.011565	0.127711	0.819853
AT3G47590	AT3G47590	97.49512	73.15409	137.779	108.8777	119.2441	104.6683	91.58626	102.4945	154.2469	100.7512	90.46271	133.6319	0.093553	0.785796	0.15441	0.657422	0.062907	0.927039
AT3G47600	MYB9A	79.65066	94.56504	75.97161	84.95761	96.05775	81.74094	92.48756	92.74337	103.6298	133.0334	89.08796	0.080482	0.776105	0.213746	0.428644	0.368492	0.30524	0
AT3G47610	AT3G47610	242.5364	303.3218	224.0519	244.9479	238.4882	269.147	234.7761	283.7481	251.8715	251.3983	238.1298	234.1149	-0.02583	0.905144	0.009064	0.968599	-0.07655	0.836577
AT3G47620	TCP14	542.1402	453.1985	404.3235	281.6798	284.8609	327.9606	337.064	373.2959	355.3535	388.6119	439.0102	400.8958	-0.64438	9.19E-06	-0.3906	0.013087	-0.18971	0.475332
AT3G47630	AT3G47630	61.82301	78.50683	99.14938	102.2791	105.3323	95.69671	114.7201	98.17898	103.4821	89.23681	83.81104	71.47755	0.336445	0.15344	0.393909	0.109088	0.031217	0.960146
AT3G47640	BHLH47	59.4452	73.15409	59.2321	61.44992	64.25933	61.80413	60.04478	71.20674	59.57709	46.05771	67.84703	49.72351	-0.02025	0.952704	0.476004	0.073334	-0.22353	0.653105
AT3G47650	AT3G47650	1435.007	1232.914	1397.105	1162.6	1382.569	1046.683	1474.465	1257.986	2246.342	1911.3394	2256.246	1901.924	-0.17377	0.472	0.283788	0.228533	0.561157	0.041675
AT3G47660	AT3G47660	3.566712	1.784246	0	1.237247	3.312336	2.990522	5.335821	3.23667	0	1.919071	3.991002	4.143626	0.166547	0.838905	0.307337	0.707403	0.414979	0
AT3G47670	AT3G47670	185.465	144.5239	121.0395	133.6226														

AT3G48140	T24C20_20	1947.425	2292.756	2463.283	4637.613	5269.265	3163.973	2878.675	2069.311	3748.785	2521.66	2908.11	2195.086	0.929207	0.000004	0.362141	0.166505	0.178879	0.698852
AT3G48150	APC8	71.33424	58.88012	59.2321	44.54088	56.97219	60.80729	41.79726	61.49673	31.23987	53.734	41.24035	70.44164	-0.22964	0.502377	-0.47611	0.157505	-0.17912	0.776437
AT3G48160	EZF2	20.1137	116.08821	37.34198	28.86909	29.14856	32.89575	28.45771	21.5778	9.76246	28.78607	27.93701	37.29264	0.248647	0.584548	-0.28112	0.1571439	0.300054	0.695407
AT3G48170	ALDH10A9	517.1732	520.9998	534.3766	555.9362	542.5607	633.9907	591.3868	640.8606	642.3699	483.606	427.0372	538.6714	0.13442	0.370578	0.249948	0.084372	-0.1134	0.665046
AT3G48180	AT3G48180	3.566712	0	1.287654	12.78488	11.26194	15.94945	4.446517	6.47334	11.71495	1.919071	0	0	1.948029	0.000646	1.244942	0.0494	-0.47252	NA
AT3G48185	AT3G48185	26.15589	21.41095	20.60247	33.81808	28.48609	25.91786	29.34761	24.81447	45.88356	16.31211	33.25835	24.86176	0.343794	0.407297	0.496141	0.236668	0.080183	0.933623
AT3G48190	ATM	507.662	454.9827	415.9124	216.9306	194.7654	279.1154	305.0311	422.9249	169.8668	427.9529	409.7429	446.4757	-0.9559	0.001665	-0.59249	0.031003	-0.0976	0.870479
AT3G48195	AT3G48195	229.4585	181.9931	211.1753	151.3565	166.9418	182.4219	221.4366	214.6991	135.6982	170.7973	222.1658	182.3195	-0.31647	0.016719	-0.12428	0.653103	-0.12084	0.791991
AT3G48200	AT3G48200	1429.063	1463.082	1310.832	718.8403	580.9838	802.4568	1295.715	1439.239	819.0704	1450.818	1536.536	1292.811	-0.97307	5.35E-07	-0.23535	0.321436	0.025612	0.962787
AT3G48201	MIR861A	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT3G48205	AT3G48205	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G48208	AT3G48208	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G48209	AT3G48209	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G48210	AT3G48210	60.6341	66.0171	59.2321	106.4032	107.9822	107.6588	66.69776	78.75897	50.76479	76.76285	71.83803	89.08796	0.772697	0.000535	0.074861	0.821752	0.350317	0.378732
AT3G48220	AT3G48220	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G48230	AT3G48230	0	0	0	0.412416	0.662467	0	0.889303	0	0	0	0	0	0.208167	NA	0.156588	NA	0	NA
AT3G48231	LCR48	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G48235	AT3G48235	4.755616	8.92123	1.287654	2.062078	1.324935	2.990522	2.66791	1.07889	2.928738	0	0	3.10772	-0.67838	0.333222	-0.60936	0.416949	-1.03677	NA
AT3G48237	AT3G48237	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G48240	AT3G48240	7.133424	16.05821	7.725926	9.073143	3.974804	5.981045	3.557214	1.07889	6.833722	16.31211	5.321336	10.35907	-0.46095	0.463217	-0.95934	0.120962	0.11164	NA
AT3G48250	AT3G48250	55.87849	35.68492	52.79383	41.24156	45.71024	41.86731	41.79726	43.1556	39.04984	55.65307	27.93701	44.54398	-0.17673	0.611091	-0.22794	0.534841	-0.16013	0.803737
AT3G48260	WNK3	14.26685	28.54794	14.1642	7.42348	9.274542	6.977885	7.114428	7.55223	3.904984	24.94793	31.92802	22.78994	-1.04294	0.182856	-1.29231	0.006367	0.482087	NA
AT3G48270	CYP71A26	0	3.568492	0	0.824831	0	2.990522	0	1.07889	1.952492	2.878607	0	2.071813	0.039905	0.960628	-0.02518	0.975681	0.233159	NA
AT3G48275	AT3G48275	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G48280	CYP71A25	20.21137	21.41095	25.75309	4.124156	4.637271	6.977885	12.45025	19.42002	19.52492	68.12703	53.21336	53.86714	-1.86304	1.99E-06	-0.36274	0.424089	1.308842	0.001326
AT3G48290	CYP71A24	35.66712	35.68492	43.78025	6.186234	3.312336	9.968408	11.56095	2.15778	3.904984	48.93632	34.58868	38.32854	-2.29211	4.59E-09	-2.2596	5.48E-08	0.090098	0.922598
AT3G48298	AT3G48298	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G48300	CYP71A23	1.188904	1.784246	0	0.412416	1.987402	0.996841	2.66791	2.15778	0	0.99536	1.330334	0	0.061364	0.940708	0.280806	0.716648	-0.10123	NA
AT3G48310	CYP71A22	155.7464	190.9143	182.8649	195.485	169.5916	225.286	234.7761	253.5391	206.9642	204.3811	210.1928	185.4273	0.152935	0.457178	0.390402	0.03924	0.181122	0.590987
AT3G48320	CYP71A21	174.7689	185.5616	155.8062	166.4205	241.1381	278.1186	225.8831	268.6436	225.5128	163.1211	220.8354	149.1705	0.595573	0.01032	0.471521	0.015149	0.039639	0.935197
AT3G48330	PIMT1	197.3581	171.2876	218.9012	221.4672	239.1507	199.3682	206.3184	200.6735	207.9404	277.3058	270.0578	207.1813	0.161163	0.420801	0.057277	0.815165	0.345086	1.199094
AT3G48340	CEP2	1.188904	0	0	5.361402	0	6.977885	2.66791	3.23667	8.57476	0.995936	2.660668	1.035907	1.635879	0.007875	1.14382	0.089295	0.374286	NA
AT3G48344	AT3G48344	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0	1.72362
AT3G48346	AT3G48346	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G48350	CEP3	38.04493	57.09587	63.09506	70.11065	86.12075	92.70619	116.4988	110.0468	137.6507	90.19635	99.77505	99.44703	0.617605	0.012383	1.166972	6.02E-07	0.84156	0.006028
AT3G48360	BTZ	59.4452	62.44861	65.67037	223.5292	212.652	436.6163	1686.119	2184.752	2316.632	49.89585	57.20436	81.83662	2.067814	1.11E-14	4.781471	6.13E-77	0.002593	0.997279
AT3G48370	AT3G48370	0	0	0	0	0	0	1.07889	0	0	0	0	0	0.16673	NA	0	NA	0	NA
AT3G48380	AT3G48380	259.1811	283.6951	292.2975	267.6577	280.2237	286.0933	329.9316	371.1381	259.6814	267.7104	211.5231	248.6176	-0.0026	0.991396	0.198752	0.32049	-0.18814	0.554635
AT3G48390	AT3G48390	53.50068	30.33218	36.05432	27.21943	28.48609	24.92102	32.90423	52.86561	44.90732	45.09817	57.20436	31.0772	-0.54774	0.113246	0.08834	0.845291	0.110175	0.884847
AT3G48400	AT3G48400	0	1.784246	0	0.824831	0.662467	0	1.07889	0	0	0	0	0	0.030075	NA	-0.08685	NA	-0.07669	NA
AT3G48410	AT3G48410	42.80054	41.03766	37.34198	47.42779	40.105	43.86099	56.91542	35.60337	50.76479	44.13864	43.90102	36.25673	0.119007	0.739321	0.237319	0.501604	0.031566	0.970025
AT3G48420	AT3G48420	1269.749	1270.383	1375.215	643.7807	626.694	686.8233	1178.327	1259.065	1347.219	1807.765	1867.789	1680.24	-0.9952	5.12E-23	-0.04944	0.732116	0.447715	0.000312
AT3G48425	AP11	46.36725	49.95889	51.50617	49.07745	45.71024	51.83572	38.24005	44.23449	37.09735	66.20796	53.21336	60.08258	-0.01328	0.969723	-0.29301	0.356479	0.279572	0.55687
AT3G48430	REF6	344.7821	249.7944	256.2432	153.0062	147.7302	168.4661	202.7612	239.5136	216.7266	240.8434	198.2198	242.4021	-0.85266	5.16E-07	-0.36961	0.052647	-0.31593	0.261714
AT3G48440	AT3G48440	54.68958	51.74313	47.64321	72.12723	53.65985	71.77254	82.70522	64.7334	50.76479	47.01725	46.56169	43.50807	0.342062	0.243177	0.349321	0.264937	-0.16124	0.788912
AT3G48450	AT3G48450	0	0	0	3.299325	3.974804	2.990522	2.66791	5.39445	8.786214	1.919071	5.321336	1.035907	1.210751	0.050975	1.673731	0.008119	0.952529	NA
AT3G48460	AT3G48460	161.6909	151.6609	162.2444	83.30795	90.09555	57.81677	81.81592	56.10228	66.34473	212.0574	199.5501	182.1395	-0.99161	6.7E-07	-1.17451	1.61E-08	0.311958	0.347226
AT3G48470	EMB24Z3	66.57862	73.15409	64.38272	81.65828	59.62205	92.70619	77.3634	76.60119	56.2227	68.12703	75.82904	74.58527	0.186909	0.517794	0.048575	0.891554	0.097019	0.869081
AT3G48480	AT3G48480	7.133424	3.568492	12.87654	11.54764	17.22415	11.96209	8.893035	15.10446	10.73871	20.15025	25.27635	12.43088	0.58273	0.26309	0.378093	0.528492	1.008308	NA
AT3G48490	AT3G48490	28.53369	33.90067	41.20494	44.54088	37.09817	21.9305	38.24005	17.26224	30.26363	44.13864	69.17737	63.13903	0.030077	0.951099	-0.23603	0.60781	0.70147	0.184358
AT3G48500	PDE3I2	844.1218	603.0752	619.3617	539.852	562.4347	536.3005	626.0697	596.6261	700.9446	601.6288	576.0346	668.1597	-0.33326	0.038159	-0.10353	0.59442	-0.16336	0.570781
AT3G48510	AT3G48510	2.377808	1.784246	1.287654	1.237247	0.662467	1.993682	0	1.07889	0	1.919071	5.321336	1.035907	-0.2326	0.769527	-0.69966	0.323526	0.291531	NA
AT3G48515	AT3G48515	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G48520	CYP9A83	0	0	0	21.85803	21.19895	57.81677	34.68284	17.26224	24.40615	1.919071	2.660668	0	3.491644	5.61E-11	3.157181	5.68E-09	0.390915	NA
AT3G48523	AT3G48523	2.377808	1.784246	6.438272	0.824831	0	0.996841	0.889303	2.15778	1.952492	2.878607	3.991002	2.071813	-1.19201	0.068661	-0.6029			

AT3G49010	RPL13B	1802.378	1771.756	1968.823	2103.732	2077.497	1901.972	1423.775	1484.553	2234.627	1673.43	1549.839	2184.727	0.131099	0.567206	-0.10567	0.67116	-0.03449	0.945973
AT3G49020	AT3G49020	0	0	0	0	0	0	0.889303	0	0	0.959536	0	0	0	NA	0.13694	NA	0.147196	NA
AT3G49030	AT3G49030	1.188904	1.784246	0	0	0	0	0	1.07889	0	0.959536	0	0	-0.53699	NA	-0.27562	NA	-0.27413	NA
AT3G49040	AT3G49040	1.188904	0	0	0	0.662467	0	0	0	0	0	1.330334	0	-0.09648	NA	-0.21752	NA	-0.0033	NA
AT3G49050	AT3G49050	237.7808	285.4794	257.5309	253.6356	247.1003	246.2197	241.8905	256.7758	198.1779	266.7509	304.6465	256.9048	-0.05529	0.785149	-0.15601	0.420127	0.086413	0.802435
AT3G49051	AT3G49051	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G49055	AT3G49055	4.755616	3.568492	3.862963	5.773818	5.962205	2.990522	2.66791	4.31556	6.833722	7.676285	3.991002	6.215439	0.202593	0.783282	0.093093	0.910438	0.386246	0.910438
AT3G49060	PUB32	309.115	255.1472	291.0099	268.0701	261.6746	330.9511	291.6915	253.5391	180.6055	304.1728	259.4151	262.0844	-1.9E-05	1	-0.23355	0.314245	-0.05216	0.916225
AT3G49070	AT3G49070	1.188904	5.352738	5.150617	5.773818	5.962205	3.987363	7.114428	6.47334	4.88123	6.716749	2.660668	8.287252	0.329262	0.635767	0.479552	0.497722	0.455983	NA
AT3G49080	AT3G49080	247.292	181.9931	224.0519	200.0216	220.6016	173.4503	152.9602	169.3857	244.0615	172.7164	188.9074	224.7917	-0.13587	0.599703	-0.20688	0.430254	-0.15771	0.719342
AT3G49100	SRP9	45.17835	41.03766	47.64322	73.82239	99.37009	50.83888	83.59453	50.70783	99.57709	59.49121	47.89202	74.58527	0.693894	0.053827	0.74485	0.027576	0.408119	0.475332
AT3G49110	PER33	249.6698	192.6986	229.2025	297.764	324.609	348.8943	426.8657	395.9526	442.2394	192.8667	204.8714	212.3608	0.507713	0.000639	0.890774	4.55E-10	-0.14798	0.622829
AT3G49115	AT3G49115	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G49120	PER34	1237.649	1265.03	1308.257	4544.407	4186.131	4674.186	4046.331	4128.912	3538.892	928.8305	1157.391	896.0591	1.794654	4.05E-52	1.602182	1.55E-41	-0.35205	0.050976
AT3G49130	AT3G49130	0	1.784246	1.287654	6.598649	12.58688	11.96209	12.45025	14.02557	13.66744	0	2.660668	2.071813	1.908208	0.000819	2.229321	1.52E-05	0.113228	NA
AT3G49140	AT3G49140	1242.405	1273.952	1294.093	981.9615	1051.998	1061.635	1181.884	1163.043	1132.445	1355.824	1370.244	1595.296	-0.29891	0.005775	-0.13067	0.299775	0.180898	0.294997
AT3G49142	PCMP-H77	17.83356	21.41095	18.02716	22.27044	13.91181	24.92102	24.9005	24.81447	26.35864	20.15025	29.26735	29.07018	0.07952	0.871533	0.379587	0.3968	0.408447	0.553047
AT3G49150	SRP9	1.188904	0	0	2.062078	1.324935	0	0.889303	0	1.952492	0.959536	0	2.071813	0.355421	0.601008	0.221566	0.765659	0.259626	NA
AT3G49160	PKP4	281.7702	264.0684	288.4346	346.0167	376.2814	344.9069	362.8358	339.8503	320.2087	310.8895	292.6735	291.0897	0.347855	0.009725	0.287761	0.047869	0.097119	0.730345
AT3G49162	AT3G49162	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0	NA	0	NA
AT3G49170	EMB2261	61.82301	48.17464	46.35556	44.54088	37.09817	37.87995	56.91542	45.31338	45.88356	52.77446	47.89202	69.40574	-0.36558	0.218046	-0.07856	0.837892	0.113716	0.857736
AT3G49180	RD3	80.84547	62.44667	63.09506	73.82239	83.47088	83.47088	83.47088	78.25871	66.89118	91.76712	68.12703	67.84703	0.15136	0.586276	0.183569	0.532141	0.079633	0.888301
AT3G49190	AT3G49190	5.94452	7.136984	1.287654	0.412416	2.649869	0.996841	0	3.904984	0	2.660668	0	0	-0.83192	0.21675	-0.82433	0.237573	-1.00694	NA
AT3G49200	AT3G49200	0	0	0	0	0.662467	0	1.07889	0	0	0	0	0	0.098648	NA	0.150881	NA	-0.35205	0.050976
AT3G49210	AT3G49210	26.15589	24.97944	27.04074	90.31901	69.55906	81.74094	80.92662	90.62675	59.55101	24.94793	18.62468	17.61041	1.533609	5.58E-08	1.461274	4.61E-07	-0.31736	0.620802
AT3G49220	PME34	1251.916	954.5716	1032.699	444.1716	384.231	489.4488	270.3483	302.0892	233.3228	816.5648	831.4587	747.9245	-1.28125	1.59E-18	-1.97568	1.62E-40	-0.43078	0.039616
AT3G49230	AT3G49230	0	0	0	0.412416	0	0	0.889303	0	0	1.330334	0	0	0.067751	NA	0	NA	0.180865	NA
AT3G49240	EMB1796	244.9142	189.1301	187.9975	123.3123	166.9418	133.5767	161.8532	161.8335	216.7266	161.202	122.3907	167.8169	-0.5441	0.011356	-0.20132	0.435181	-0.44683	0.167519
AT3G49250	DMS3	121.2682	121.3287	93.99877	89.9066	87.44568	88.71883	68.47637	97.10009	86.88589	121.861	95.78405	105.6625	-0.32419	0.151455	-0.40413	0.088455	-0.04504	0.934368
AT3G49260	iqd21	508.8599	609.4244	715.9358	259.4094	251.0751	285.0965	273.9055	286.9847	228.4416	581.4786	525.4819	551.1023	-1.25159	3.79E-16	-1.25938	7.88E-16	-0.20684	0.471543
AT3G49270	AT3G49270	0	0	0	0	0	0	1.07889	0	0	0	0	0	0	NA	0.16673	NA	0	NA
AT3G49280	AT3G49280	0	0	0	0	0	0	0	0	0	1.330334	0	0	0	NA	0	NA	0.172362	NA
AT3G49290	AB1L2	126.0238	137.3869	154.5185	122.075	111.2945	117.6272	149.403	133.7824	84.9334	160.2424	191.5681	145.0269	-0.24204	0.335123	-0.17526	0.532417	0.237539	0.563333
AT3G49300	AT3G49300	0	0	0	0	0	0	0	0	0	1.919071	1.330334	1.035907	0	NA	0	NA	0.751923	NA
AT3G49305	AT3G49305	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G49307	AT3G49307	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT3G49310	AT3G49310	274.6368	256.9314	235.6407	252.3983	258.3622	263.166	245.4478	264.328	197.2017	225.4909	220.8354	222.7199	0.010168	0.962467	-0.11791	0.549749	-0.19439	0.493509
AT3G49320	AT3G49320	35.66712	24.79744	41.20494	46.60296	54.32232	35.86627	44.46517	36.68226	37.09735	34.54328	38.57969	34.18492	0.393744	0.223255	0.181169	0.646957	0.040633	0.961684
AT3G49330	AT3G49330	1.188904	7.136984	6.438272	4.948987	5.299738	3.987363	7.778607	0	2.928738	16.31211	10.64267	12.43088	-0.64425	0.272792	-1.52004	0.009854	0.53675	NA
AT3G49340	AT3G49340	3.566712	7.136984	0	68.8734	58.29712	59.81045	78.25871	80.91675	42.98091	1.919071	3.991002	0	3.48482	8.59E-18	3.830407	2.82E-21	-0.45585	0.664003
AT3G49350	AT3G49350	156.9353	183.7773	162.2444	187.2367	175.5538	219.305	181.4179	192.0424	144.4804	152.5662	148.9974	128.4524	0.206324	0.310975	0.407107	0.857215	-0.21501	0.531961
AT3G49360	PGL2	71.33424	85.64381	82.40988	102.6915	85.45828	93.70303	82.70522	90.62675	104.4583	75.80331	89.13238	65.26211	0.241814	0.324502	0.213853	0.430254	-0.05616	0.921991
AT3G49370	CRK6	28.53669	28.54794	32.19136	58.97543	64.92179	69.77885	66.69776	42.07671	48.8123	18.23118	17.29434	22.78994	1.046877	0.002093	0.77513	0.014191	-0.55503	0.309162
AT3G49380	iqd15	1.188904	1.784246	0	3.71174	4.637271	1.993682	8.893035	5.39445	0.976246	3.838143	1.330334	4.143626	0.175504	0.257126	1.115984	0.099602	0.675985	NA
AT3G49390	CD10	121.8138	276.5581	258.8185	362.9257	343.8205	316.9954	321.9279	318.2725	284.8076	252.3579	236.7994	240.3303	0.459288	0.002583	0.308798	0.060704	-0.02621	0.949923
AT3G49400	AT3G49400	60.6341	60.66437	65.67037	48.66504	60.94699	49.84204	51.13682	63.65451	47.83605	56.61726	63.85603	43.50807	-0.22291	0.445204	-0.16309	0.622338	-0.19073	0.717906
AT3G49410	AT3G49410	21.40027	28.54794	24.46543	18.97112	25.83622	29.90522	24.9005	14.02557	19.52492	16.31211	21.28534	29.00538	-0.00715	0.989293	-0.28686	0.546538	-0.13125	0.882753
AT3G49420	AT3G49420	41.61164	35.68492	54.08148	74.64722	62.93439	62.80097	44.46517	45.1557	57.59851	37.42189	30.59768	42.47217	0.579294	0.036687	0.122639	0.745367	-0.23909	0.676985
AT3G49430	SR34A	463.6725	415.7293	405.6111	542.7389	602.1828	501.4109	493.5634	487.6583	591.6051	450.0222	557.4099	413.3267	0.351469	0.032609	0.285104	0.107521	0.137023	0.662311
AT3G49440	AT3G49440	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G49450	AT3G49450	0	0	0	0.662467	0	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT3G49460	AT3G49460	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G49470	NACA2	718.098	754.7361	809.9346	824.0063	868.4946	736.6653	848.3955	832.903	1181.258	894.2872	882.0114	998.6139	0.089427	0.652042	0.321123	0.065368	0.277248	0.281113
AT3G49480	AT3G49480	0	1.784246	1.287654	3.71174	0	0	3.557214	3.23667	3.904984	1.919071	0	0.2071813	0.139005	0.863244	0.766851	0.275096	0.138876	NA
AT3G49490	AT3G49490	833.4217	761.8731	633.5259	588.1046	662.4673	683.8328	812.8234											

AT3G49900	AT3G49900	33.28931	53.52738	45.0679	40.00431	37.70663	50.83888	34.68284	35.60337	24.40615	50.85539	45.23135	51.79533	-0.02916	0.942058	-0.42694	0.215621	0.183955	0.764564
AT3G49910	RP12A6	1864.201	1709.308	1952.084	2554.914	2787.662	1983.713	1849.751	1705.725	3745.856	1686.864	1458.046	2437.488	0.386268	0.17921	0.381313	0.224525	0.014058	0.98659
AT3G49920	VDA6C5	39.23383	55.31163	42.49259	42.89122	39.08557	45.85468	30.23632	36.68226	35.14486	41.26003	53.21336	33.14901	-0.07846	0.830967	-0.38449	0.225844	-0.09103	0.895197
AT3G49925	AT3G49925													#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G49930	AT3G49930	9.511232	7.136984	14.1642	11.13522	11.92441	16.94629	8.893035	9.710009	15.61994	8.635821	10.64267	6.215439	0.271166	0.629089	0.102235	0.879853	-0.25709	NA
AT3G49940	LD38	97.49012	153.4452	146.7926	233.4272	213.3145	215.3176	174.3035	168.3068	209.8929	133.3755	146.3367	107.7343	0.73077	0.000242	0.473457	0.030752	-0.02946	0.959697
AT3G49950	SLC32	8.322328	7.136984	1.287654	7.011065	6.62473	11.96209	16.00746	7.55223	13.66744	2.87607	3.991002	4.143626	0.431432	0.490566	0.916444	0.123304	-0.46186	NA
AT3G49960	PER35	8.322328	7.136984	2.575309	0.412416	0	0.996841	0	0	0.976246	5.757214	2.660668	1.035907	-1.77102	0.004681	-1.71125	0.007117	-0.50875	NA
AT3G49970	AT3G49970	32.10041	16.05821	25.75309	13.1973	15.23675	16.94629	15.11816	14.02557	2.928738	26.867	14.63367	24.86176	-0.64943	0.153116	-1.0429	0.02557	-0.13997	0.889335
AT3G49980	AT3G49980	1.188904	1.784246	0	1.23747	3.974804	6.977885	2.66791	2.15778	0.976246	1.919071	1.330334	1.035907	0.937722	0.159974	0.357941	0.654285	0.172734	NA
AT3G49990	AT3G49990	614.6633	545.9793	573.0062	409.1163	447.8279	454.5594	473.9988	496.2894	483.2418	477.8487	549.4279	568.7127	-0.40507	0.001104	-0.25487	0.062309	-0.1226	0.604841
AT3G50000	CKA2	611.0966	622.7019	655.4161	720.9024	610.1324	692.8043	701.6604	692.6473	574.0326	513.3516	528.1426	545.9227	0.098845	0.524238	0.058435	0.742239	-0.24849	0.23259
AT3G50010	AT3G50010	7.133424	5.352738	5.150617	7.011065	10.59948	11.96209	3.557214	4.31556	4.88123	4.797678	3.991002	2.071813	0.577321	0.337081	-0.34696	0.632304	-0.48679	NA
AT3G50020	AT3G50020	0	0	0	0	0	0	0	0	0	0	1.330334	1.035907	0	NA	0	NA	0.375122	NA
AT3G50022	AT3G50022	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G50030	AT3G50030	0	0	0	1.649662	2.649869	1.993682	0	4.31556	0.976246	0	1.330334	0	0.902791	0.138912	0.731917	0.255511	0.158509	NA
AT3G50040	AT3G50040	21.40027	37.46917	14.1642	40.41673	42.39791	20.93366	30.23632	21.5778	25.3824	32.62421	33.25835	30.04129	0.527362	0.185301	0.114353	0.829184	0.391236	0.574689
AT3G50050	AT3G50050	131.9683	87.42806	86.27284	71.34789	84.79581	60.80729	78.25871	85.23231	54.66978	95.95356	90.46271	113.9497	-0.47769	0.070245	-0.47769	0.088623	-0.03133	0.963148
AT3G50060	MYB77	101.0568	139.1712	75.97161	182.2877	141.768	221.2987	216.99	347.4026	397.3321	100.7512	95.78405	100.4829	0.754325	0.005598	1.540437	1.6E-09	-0.07269	0.916503
AT3G50070	CYD3-3	161.6909	135.6027	171.258	267.6577	266.3118	237.2481	192.9789	200.6735	211.8454	176.5546	167.6221	210.2829	0.701165	1.24E-05	0.351747	0.055939	0.230983	0.441256
AT3G50080	FB116	194.9802	148.0924	140.3543	145.9591	172.904	177.4377	160.9639	166.1491	165.9618	145.8494	118.3997	137.7756	0.021233	0.934862	0.01993	0.941923	-0.26092	0.433539
AT3G50090	SDN4	1.188904	0	0	0.412416	0	0	1.07889	0	0	0	0	0	-0.13172	NA	-0.02794	NA	-0.21059	NA
AT3G50100	SDN1	73.71204	99.91778	63.09506	48.66504	59.62205	79.74726	75.5908	45.31338	66.38473	77.72239	91.79304	91.15977	-0.32529	0.283095	-0.29788	0.367343	0.145629	0.80625
AT3G50110	ATPN3	73.71204	78.50683	64.38272	58.56301	60.28452	68.78201	40.90796	49.62894	41.00233	62.36982	53.21336	61.11849	-0.20397	0.447323	-0.68808	0.006991	-0.26865	0.54288
AT3G50120	AT3G50120	15.45575	21.41095	19.31482	9.073143	13.24935	6.977885	15.11816	17.26224	22.45366	27.82653	25.27635	22.78994	-0.797	0.057532	-0.01579	0.97803	0.413569	0.563916
AT3G50123	AT3G50123	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G50130	AT3G50130	0	0	0	0.412416	2.649869	2.990522	0	5.39445	1.952492	2.87607	3.991002	4.143626	0.722238	0.285854	0.883196	0.197398	1.218754	NA
AT3G50140	AT3G50140	10.70014	14.27397	6.438272	23.50769	29.81103	35.88627	20.45398	19.42002	28.31113	3.838143	9.312338	8.287252	1.334347	0.001405	0.992133	0.03029	-0.43792	0.626543
AT3G50150	AT3G50150	0	0	0	0	0	0.996841	0	0	0	0	0	0	0.15625	NA	0	NA	0	NA
AT3G50160	AT3G50160	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G50170	AT3G50170	1.188904	3.568492	2.575309	7.011065	4.637271	4.984204	0.889303	1.07889	1.952492	0	1.330334	1.035907	0.895468	0.178785	-0.40093	0.615301	-0.63999	NA
AT3G50180	AT3G50180	0	1.784246	0	0	0	0.662467	0	0	0	0	0	0	-0.12017	NA	-0.24312	NA	-0.23848	NA
AT3G50190	AT3G50190	5.94452	12.48972	6.438272	14.84696	15.23675	17.94313	9.782338	12.94668	13.66744	2.87607	5.321336	5.179533	0.855362	0.002671	0.496986	0.391811	-0.62663	NA
AT3G50200	AT3G50200	0	0	0	7.42348	5.299738	11.96209	2.66791	3.23667	0.976246	0	0	0	2.273585	0.000138	0.945276	0.169409	0	NA
AT3G50210	AT3G50210	74.90095	80.29107	75.97161	218.9927	227.2263	209.3366	184.0858	221.1724	245.0377	94.99403	91.79304	96.33931	1.472059	1.93E-16	1.455512	1.25E-15	0.285413	0.425308
AT3G50220	IRX15	5.94452	3.568492	10.30123	5.773818	3.974804	4.984204	0.889303	4.31556	4.88123	6.716749	3.991002	3.10772	-0.3098	0.68044	-0.69765	0.306423	-0.37311	NA
AT3G50230	AT3G50230	4.755616	3.568492	3.862963	7.011065	1.987402	1.993682	2.66791	4.31556	1.952492	0.959536	2.660668	8.287252	-0.03194	0.969789	-0.27259	0.741242	-0.02102	NA
AT3G50240	KICP-02	582.5629	513.8629	570.4309	217.7554	243.1255	264.1628	360.1679	332.2981	312.3987	565.1665	689.113	652.6211	-1.19643	3.18E-19	-0.72228	1.84E-07	0.186926	0.443671
AT3G50250	AT3G50250	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT3G50260	ERF011	1.188904	12.48972	6.438272	48.25262	62.93439	53.8294	44.46517	46.39227	71.26596	7.676285	5.321336	3.10772	2.686903	2.16E-11	2.657887	5.89E-11	-0.16552	0.887
AT3G50270	AT3G50270	322.193	344.3595	338.6531	153.0062	155.6798	186.4092	296.1381	256.7758	235.2753	266.7509	268.7275	286.9461	-0.14168	1.8E-12	-0.34183	0.03533	-0.28284	0.236522
AT3G50280	AT3G50280	11.88904	10.70548	20.60247	40.82914	41.73544	41.86731	22.23259	25.89336	37.09735	14.39303	21.28534	10.35907	1.360285	0.000197	0.843048	0.041059	0.024642	0.983814
AT3G50290	AT3G50290	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT3G50295	AT3G50295	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G50300	AT3G50300	1.188904	0	1.287654	3.299325	3.312336	0.996841	0	1.07889	1.952492	0	0	1.035907	0.70124	0.294812	0.03192	0.969758	-0.27812	NA
AT3G50301	AT3G50301	0	0	1.287654	0	0	0	0.889303	0	0	0	0	0	-0.21946	NA	-0.0473	NA	-0.20113	NA
AT3G50310	MAPKK20	1.188904	1.784246	5.150617	2.886909	4.637271	1.993682	4.446517	2.15778	5.857476	2.87607	0	0	0.146417	0.857889	0.372993	0.640526	-0.58326	NA
AT3G50320	AT3G50320	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0.172362	NA
AT3G50330	HEC2	0	0	0	0	0	0.889303	0	0	0	0.959536	0	0	0	NA	0.13694	NA	0.147196	NA
AT3G50337	AT3G50337													#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G50340	AT3G50340	60.6341	58.88012	75.97161	47.01538	44.38531	50.83888	45.35448	35.60337	41.00233	48.93632	43.90102	44.54398	-0.45136	0.082644	-0.65001	0.016971	-0.48824	0.225633
AT3G50350	AT3G50350	22.58917	46.3904	36.05432	32.99325	32.4609	22.92734	24.9005	23.73558	41.00233	47.01725	43.90102	42.47217	-0.17943	0.060777	-0.1801	0.684004	0.352271	0.56442
AT3G50360	CM120	337.6487	314.0273	345.0914	561.71	637.2935	537.2977	465.1057	445.5815	752.6857	393.4006	439.0102	389.5000	0.7178169	6.99E-05	0.717275	0.000355	0.282479	0.41486
AT3G50370	AT3G50370	1908.191	1357.811	1122.835	625.222	560.4473	841.3336	862.6244	1059.47	563.2939	1050.692	1017.705	889.8437	-1.0707	8.26E-06	-0.78745	0.001705	-0.54635	0.133464
AT3G50373	AT3G50373	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT3G50376	AT3G50376	0	0	0	0.412416	0													

AT3G50770	CML41	53.50068	57.09587	82.40988	428.4998	431.2662	320.9827	646.5236	662.4384	1027.987	23.98839	43.90102	50.75942	2.476669	6.87E-23	3.421485	2.26E-43	-0.66036	0.134409
AT3G50780	AT3G50780	241.3475	165.9349	150.6556	126.1992	143.0929	145.5388	156.5174	151.0446	157.1756	213.0169	188.9074	185.4273	-0.43163	0.032897	-0.26479	0.246403	0.06595	0.887115
AT3G50790	AT3G50790	517.1732	606.6437	610.3482	327.0456	333.8835	323.9733	449.9876	400.2682	371.9492	383.3977	415.0642	607.0412	-0.79928	5.09E-07	-0.49295	0.00397	-0.10345	0.768141
AT3G50800	AT3G50800	8.322328	3.568492	11.58889	26.80701	27.16116	29.90522	18.67537	24.81447	49.78855	2.878607	7.982004	12.43088	1.458641	0.001815	1.589934	0.000801	-0.07822	0.954468
AT3G50808	AT3G50808	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G50810	AT3G50810	11.88904	12.48972	12.87654	56.91335	69.55906	43.86099	63.14055	42.07671	76.14719	17.27164	9.312338	8.287252	1.964751	5.68E-08	2.039293	2.38E-08	-0.07604	0.946721
AT3G50820	PSB02	6725.63	8228.943	7344.78	4560.491	3939.693	3544.766	4176.169	4876.583	5235.607	8604.156	7829.015	9077.649	-0.87534	1.54E-10	-0.63312	7.06E-06	0.191922	0.443724
AT3G50825	AT3G50825	1.188904	8.92123	10.30123	4.536571	7.949607	3.987363	11.56095	1.07889	7.809968	5.757214	6.65167	11.39497	-0.18848	0.80182	0.046907	0.955414	0.185066	NA
AT3G50830	CORA13PM2	771.5987	872.4963	839.5506	651.6166	647.2305	631.9971	460.6592	483.3427	540.8403	630.4149	621.266	627.7594	-0.35667	0.00141	-0.73366	1.62E-11	-0.39594	0.005088
AT3G50835	AT3G50835	0	1.784246	1.287654	0.412416	1.324935	0	0	0	0	0.959536	0	0	-0.13132	NA	-0.50957	0	-0.28785	NA
AT3G50840	AT3G50840	356.6712	501.3731	369.5568	148.0572	119.2441	124.6051	190.3109	181.2535	169.8668	335.8375	385.7969	342.8851	-1.59586	1.86E-22	-1.14817	6.94E-12	-0.19565	0.531312
AT3G50845	AT3G50845	32.10041	60.66437	51.50617	58.1506	85.45828	62.80097	47.13308	29.13003	74.1947	41.26003	59.86503	48.68761	0.494488	0.171719	0.075976	0.8575723	0.058099	0.949572
AT3G50850	AT3G50850	1.188904	1.784246	3.862963	7.42348	10.59948	4.984204	2.66791	4.31556	5.857476	2.878607	2.660668	5.179533	1.156524	0.058053	0.484302	0.513741	0.331592	NA
AT3G50860	AT3G50860	67.76752	124.8972	75.97161	123.7247	122.5564	106.662	105.8271	90.62675	119.102	81.56053	90.46271	70.44164	0.413768	0.098997	0.253082	0.381007	-0.11918	0.831738
AT3G50870	GATA18	4.755616	14.27397	6.438272	9.897974	6.624673	3.987363	6.225124	7.55223	2.928738	9.595356	9.312338	7.251346	-0.12701	0.855268	-0.4208	0.553212	0.087961	0
AT3G50880	AT3G50880	135.535	114.1917	149.3679	137.7468	151.0425	156.504	153.8495	110.0468	168.8906	122.8206	147.6671	154.3501	0.140054	0.56911	0.108964	0.689993	0.076095	0.878139
AT3G50890	ZHD7	72.52314	74.93833	68.24568	45.36571	49.68505	34.88943	32.90423	24.81447	46.85981	54.69353	75.82904	78.7289	-0.67579	0.104517	-0.9774	0.000657	-0.04381	0.952222
AT3G50895	AT3G50895	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G50900	AT3G50900	11.88904	28.54794	12.87654	44.54088	41.73544	26.9147	40.01866	37.76115	107.3871	12.47396	23.94601	14.50269	0.96672	0.03075	1.582959	0.000279	-0.04433	0.972523
AT3G50910	AT3G50910	103.4346	82.07532	82.40988	164.5538	115.9318	149.5261	184.0858	216.8569	174.748	76.76285	77.15937	99.44703	0.655203	0.002898	1.059378	6.07E-07	-0.08407	0.878205
AT3G50920	LPPE1	72.52314	85.64381	113.3136	227.6534	230.5386	182.4219	136.0634	112.2046	121.0545	115.1443	109.0874	91.15977	1.209479	1.81E-09	0.429748	0.072741	0.206169	0.627815
AT3G50925	AT3G50925	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT3G50930	BCS1	139.1018	167.7191	132.6284	720.49	715.4647	947.9956	1153.427	1199.726	1084.609	103.6298	105.0964	117.0574	2.397531	2.79E-52	2.921586	1.72E-77	-0.40895	0.153333
AT3G50940	AT3G50940	2.377808	1.784246	5.150617	2.062078	8.612075	1.993682	1.778507	2.22677	4.88123	7.676285	3.991002	1.035907	0.239563	0.760857	0.016768	0.985039	0.242733	NA
AT3G50950	RPP13L4	1520.608	1670.054	1451.186	2291.381	2242.452	2652.593	2225.927	2312.061	1861.701	955.6975	995.0898	928.1722	0.624139	4.61E-07	0.459426	0.000374	-0.68048	1.83E-06
AT3G50960	PLP3A	27.34479	30.33218	24.46543	27.21943	19.21155	26.9147	29.34701	18.34113	16.59618	60.45074	57.20436	45.57989	-0.14485	0.733677	-0.30389	0.479512	0.93565	0.030721
AT3G50970	WER2	24.96698	28.54794	29.61605	94.85558	73.53387	107.6588	117.3881	122.9935	105.4346	65.24842	51.88302	43.50807	1.621678	1.53E-13	1.941684	1.53E-13	0.882066	0.02113
AT3G50980	XERO1	1.188904	0	0	1.237247	0	0	1.778607	0	0	0	0	0	0.023428	NA	0.080794	NA	-0.1876	NA
AT3G50990	PER36	0	0	0	0	0	0	1.07889	0	0	0	0	0	0	NA	0.16673	NA	0	NA
AT3G51000	AT3G51000	418.4942	430.0033	413.337	887.1059	938.7161	867.2515	823.495	783.2741	871.7877	473.0511	413.7339	430.9371	1.08604	5.99E-24	0.966752	1.17E-18	0.065707	0.805161
AT3G51010	AT3G51010	274.6368	287.2636	359.2556	448.7081	485.5885	366.8374	311.2562	344.1659	541.8165	365.5831	295.3341	334.5978	0.483263	0.034699	0.364332	0.142592	0.108836	0.830054
AT3G51020	AT3G51020	0	0	0	0.662467	0.996841	0	0	0.976246	0	0	0	0	0.275104	NA	0.136472	NA	0	NA
AT3G51030	TRX1	15.45575	19.62671	27.04074	26.80701	27.16116	11.96209	18.67537	8.63112	18.54867	41.26003	29.26735	28.16776	0.110855	0.830508	-0.36718	0.479651	0.556482	0.427048
AT3G51040	RTH	153.3686	171.2876	171.2876	229.8761	229.8761	228.7625	189.1426	204.9891	203.0592	195.7452	184.9164	180.2477	0.492376	0.001007	0.267012	0.123427	0.179924	0.531156
AT3G51050	AT3G51050	394.7161	358.6335	360.5432	333.2318	271.6116	386.7742	359.2786	375.4537	293.85	274.4272	266.0668	295.2334	-0.17081	0.373489	-0.11475	0.594758	-0.40693	0.097698
AT3G51057	AT3G51057	0	0	0	0.662467	0	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT3G51060	SR51	5.94452	7.136984	11.58889	12.78488	11.92441	10.96525	5.335821	5.39445	7.809968	9.595356	11.97301	14.50269	0.452596	0.406778	-0.33203	0.60717	0.44068	NA
AT3G51070	AT3G51070	36.85602	33.90067	30.9037	19.79595	17.88662	19.93682	19.56468	17.26224	14.64369	40.3005	38.57969	29.00538	-0.76086	0.022508	-0.89657	0.012385	0.080734	0.920201
AT3G51075	AT3G51075	23.77808	10.70548	12.87654	14.84696	19.87402	12.95893	14.22886	7.55223	26.35864	15.35257	18.62468	15.5386	-0.01428	0.981347	-0.00181	0.997983	0.019033	0.988816
AT3G51080	GATA6	98.67903	87.42806	81.12222	100.217	98.10815	94.69987	60.41784	61.5035	107.466	90.1768	91.79304	98.41112	0.082121	0.751699	-0.53699	0.019004	0.153495	0.166553
AT3G51090	AT3G51090	41.61164	21.41095	57.94445	55.26369	52.33491	46.85152	70.24568	57.18117	51.74104	59.49121	58.53469	47.6517	0.302441	0.362294	-0.09573	0.127836	0.387166	0.459233
AT3G51100	AT3G51100	130.7794	146.3082	198.2988	262.7087	259.6872	220.3018	248.1157	207.1469	265.5389	161.202	224.8264	183.3555	0.62825	0.001941	0.582789	0.005778	0.243688	0.516773
AT3G51110	AT3G51110	149.8019	140.9554	106.8753	101.0418	121.2315	139.5577	137.842	146.729	155.2321	111.3061	106.4267	120.2101	-0.14719	0.538993	0.143227	0.575876	-0.21942	0.567096
AT3G51120	AT3G51120	369.7491	292.6163	262.6815	208.6823	168.9292	237.2481	260.5659	278.3536	145.4607	256.196	274.0488	240.3303	-0.5718	0.108931	-0.42049	0.111476	-0.25635	0.650065
AT3G51130	AT3G51130	190.2246	190.9143	240.7914	293.6399	262.9995	316.9954	312.1455	336.6137	294.8263	186.1499	199.5501	187.4991	0.475274	0.002723	0.58691	0.000228	-0.12179	0.718015
AT3G51135	AT3G51135	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G51140	AT3G51140	539.7624	597.7224	588.458	452.4199	457.7649	487.4551	555.8147	559.9439	622.8449	679.5312	615.9446	566.6409	-0.30184	0.019037	0.012596	0.944733	0.11313	0.647526
AT3G51150	AT3G51150	477.9394	422.8663	422.3506	229.7155	187.4782	222.2955	272.1269	268.6436	248.5702	457.6985	419.0552	422.6499	-1.03646	2.04E-15	-0.71987	1.12E-07	-0.02676	0.940496
AT3G51160	MUR1	442.2723	419.2978	383.7821	421.9011	437.8909	456.5531	370.8396	398.1104	449.0732	316.6468	331.2532	315.9515	0.076435	0.634535	-0.0324	0.86395	-0.36662	0.840855
AT3G51171	AT3G51171	0	0	0	0	0	0	0	0	0	0	0.3991002	0	0	NA	0	NA	0	NA
AT3G51180	AT3G51180	29.7226	30.33218	25.75309	20.20836	24.51129	35.88627	32.01493	24.81447	23.4299	29.7456	17.29434	24.86176	-0.11919	0.789482	-0.07815	0.876889	-0.20829	0.786409
AT3G51190	RPL8B	0	0	0	0	0	0	0	0	0	0	1.919071	0	0	NA	0	NA	0</	

AT3GS2560	UEV1D	554.0292	617.3491	612.9235	670.1753	657.83	611.0634	565.597	544.8394	758.5431	613.1433	673.149	553.1741	0.120859	0.51481	0.067359	0.751464	0.043012	0.912004
AT3GS2561	AT3GS2561	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3GS2565	AT3GS2565	0	0	0	0	0	0	0.889303	0	0	0.959536	0	0	0	NA	1.31694	NA	0.147196	NA
AT3GS2570	AT3GS2570	43.98945	60.66437	55.36914	97.74249	81.48347	71.77254	58.69403	75.5223	76.14719	47.01725	54.54369	45.57989	0.655029	0.009746	0.38677	0.186673	-0.10883	0.861847
AT3GS2580	RP514C	389.9605	440.7088	506.0482	601.3019	534.6111	554.2435	345.0498	404.5837	518.3866	459.6176	359.1902	579.0717	0.330388	0.130895	-0.07429	0.793624	0.065579	0.893228
AT3GS2590	RLA0B	1635.932	1463.682	1734.47	2535.531	2565.073	1728.522	1689.677	1350.77	3027.339	1579.396	1955.591	2393.856	0.473388	0.082929	0.312367	0.311575	0.255289	0.595278
AT3GS2600	CWINV2	0	0	0	0.412416	0	1.993682	0.889303	2.15778	0	0	1.330334	0	0.356609	NA	0.470757	NA	0.184621	NA
AT3GS2605	AT3GS2605	0	0	0	0	0	0.662467	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT3GS2610	AT3GS2610	99.86793	98.13353	81.12222	89.9066	88.10815	90.71251	73.81219	80.91675	105.4346	92.11542	69.17737	62.15439	-0.05023	0.868202	-0.09625	0.759849	-0.29938	0.474179
AT3GS2620	AT3GS2620	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3GS2630	RP3A3	26.15589	28.54794	43.78025	45.77813	31.79843	30.90206	13.33955	6.47334	24.40615	31.66468	14.63367	53.86714	0.135309	0.806373	-0.96829	0.040933	0.033947	0.978296
AT3GS2640	AT3GS2640	330.5153	388.9656	312.9	323.7462	315.9969	361.8532	362.8358	354.9548	218.6791	268.67	266.0668	325.2747	-0.0408	0.979656	-0.13314	0.606334	-0.25161	0.485228
AT3GS2660	AT3GS2660	221.1361	276.5581	280.7086	235.0769	197.4152	203.3555	220.5473	213.6202	173.7718	241.803	264.7365	257.9407	-0.27557	0.124841	-0.34454	0.063159	-0.02223	0.961633
AT3GS2670	AT3GS2670	33.28931	46.3904	34.76667	26.80701	23.18635	25.91786	36.46144	32.3667	37.09735	36.46235	49.22236	45.57989	-0.53289	0.091139	-0.08017	0.849386	0.199745	0.745161
AT3GS2680	AT3GS2680	35.66712	39.25341	38.62963	47.84021	41.73544	48.8452	39.12935	42.07671	31.23987	59.49121	38.57969	48.68761	0.272802	0.399152	-0.01254	0.976765	0.368314	0.47064
AT3GS2690	AT3GS2690	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3GS2700	AT3GS2700	1.188904	0	0	0	0	0	0	0	0.976246	0	0	0	-0.21061	NA	-0.03092	NA	-0.19245	NA
AT3GS2705	AT3GS2705	0	0	0	0.412416	0	0.996841	0.889303	0	0	0	0	0	0.238153	NA	0.155534	NA	0.178793	NA
AT3GS2710	AT3GS2710	143.8574	146.3082	114.6012	236.3141	231.2011	236.2513	241.8905	233.0402	227.4653	102.6703	97.11438	85.98024	0.790217	5.76-07	0.787213	1.21E-06	-0.48458	0.054175
AT3GS2720	ACA1	460.1058	324.7328	494.4593	133.6226	133.1559	146.5356	106.7164	77.68008	100.5533	724.4494	645.212	545.9227	-1.59851	1.6E-18	-2.1043	9.91E-29	0.564756	0.02166
AT3GS2730	AT3GS2730	340.0265	344.3595	323.2012	583.9805	633.3187	541.5689	341.4925	271.8803	578.9139	81.55659	529.4729	378.1050	0.69941	0.005554	0.232951	0.447401	0.372468	0.374513
AT3GS2740	AT3GS2740	40.42273	82.07532	61.80741	98.97974	80.82101	53.8294	64.47264	44.23449	89.81463	81.56053	78.4897	88.0525	0.354737	0.314914	0.093415	0.834365	0.41952	0.447512
AT3GS2742	AT3GS2742	3.566712	0	0	2.474493	0.662467	0.996841	0.889303	1.07889	0.976246	0.959536	0	1.035907	0.092823	0.908629	-0.13266	0.871814	-0.25811	NA
AT3GS2748	AT3GS2748	8.323228	1.784246	7.725926	30.10634	33.12336	23.92418	32.01493	10.7889	17.57243	5.757214	7.982004	7.251246	1.822142	7.56E-05	1.342877	0.006909	0.070309	NA
AT3GS2750	FTS2-2	485.0728	510.2944	536.9519	258.5846	187.4782	308.0238	339.7139	320.4303	235.2753	617.9409	522.8213	612.2208	-1.00085	1.46E-07	-0.75403	0.000139	0.191007	0.604655
AT3GS2760	AT3GS2760	145.0463	123.113	126.1901	124.5495	146.4053	110.6493	109.3843	126.2301	169.8668	118.0229	123.7211	114.9856	-0.04567	0.871125	0.032875	0.914018	-0.14669	0.743249
AT3GS2765	AT3GS2765	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3GS2770	ZPR3	14.26685	10.70548	11.58889	16.08421	18.54908	10.96525	24.01119	19.42002	32.21612	13.4335	26.60668	15.5386	0.267189	0.600865	0.90159	0.044635	0.468644	0.553236
AT3GS2780	PAP20	0	0	5.150617	3.299325	3.974804	13.95577	1.778607	3.23667	1.952492	0	0	0	1.121092	0.087337	0.150364	0.8634	-0.7675	NA
AT3GS2790	AT3GS2790	0	1.784246	0	0	0	1.324935	0	0.889303	0	0	0	0	0.225404	NA	-0.10201	NA	-0.27077	NA
AT3GS2800	SAP6	307.9261	265.8527	257.5309	456.544	471.6767	599.1013	619.8445	610.6517	102.7071	252.3579	266.0668	242.4021	0.845017	0.000063	1.395846	7.13E-12	-0.12663	0.788696
AT3GS2810	PAP21	1.188904	1.784246	0	0	0	0	0.889303	0	0	1.919071	0	0.207183	-0.59067	NA	-0.31423	NA	0.214694	NA
AT3GS2820	PAP22	2.377808	0	7.725926	5.73818	5.299738	5.981045	6.225124	5.39445	0.976246	5.757214	6.65167	5.179533	0.43297	0.533284	0.129593	0.878821	0.494987	NA
AT3GS2830	AT3GS2830	1.188904	0	0	0	0	0	0.889303	0	0	0	0	0	-0.2447	NA	-0.0484	NA	-0.02732	NA
AT3GS2840	BGAL2	1404.096	1461.297	1444.748	489.9497	437.2284	631.0002	695.4353	623.5984	464.6931	1546.771	1515.25	1671.953	-1.44206	7.35E-19	-1.24627	3.57E-14	0.133239	0.699592
AT3GS2850	VSR1	1293.527	1288.226	1221.984	1146.515	1209.003	1291.906	1438.893	1527.708	1212.498	1261.789	1217.256	1165.395	-0.06142	0.863291	0.134466	0.349072	-0.06077	0.821894
AT3GS2860	MED28	39.23383	35.68492	48.93086	49.90228	52.33491	39.87363	37.35075	33.44559	57.59851	33.40996	57.20436	49.72351	0.189645	0.594496	0.040423	0.926949	0.204544	0.74422
AT3GS2870	AT3GS2870	293.6593	353.2807	302.5988	550.5748	509.4373	622.0286	668.7562	672.1484	718.5171	367.5021	420.3855	348.0646	0.816849	2.00E-09	1.10852	1.57E-16	0.257475	0.724918
AT3GS2880	ATMDAR1	2219.684	2412.301	2302.326	3112.913	2738.64	2850.965	2371.772	2890.346	2987.313	2221.325	2172.435	2091.495	0.325711	0.007347	0.248421	0.055714	-0.09506	0.691846
AT3GS2890	KIPK	44.85349	474.6094	450.679	236.7265	229.8761	312.0112	269.459	283.7481	158.1519	133.1701	363.1812	438.1885	-0.79702	0.000123	-0.91741	1.16E-05	-0.14369	0.742101
AT3GS2900	AT3GS2900	80.44547	69.58556	73.3963	44.54088	72.20893	47.84836	36.46144	31.28781	48.40963	49.93127	109.0874	105.6625	-0.40943	0.297216	-0.39139	0.352296	0.607626	0.727331
AT3GS2905	AT3GS2905	29.7226	48.17464	46.35556	74.2348	64.25933	77.75358	85.37313	45.31338	80.05217	55.65307	31.92802	51.79533	0.7602	0.014623	0.732161	0.025292	0.18109	0.791193
AT3GS2910	GRF4	107.0014	78.50683	105.5877	98.97974	134.4809	86.72515	86.26244	90.62675	97.6246	131.4564	145.0064	103.5907	0.125027	0.664256	-0.09517	0.769772	0.353769	0.366129
AT3GS2920	AT3GS2920	380.4493	428.2119	403.0358	383.9589	425.9665	372.8185	305.0311	360.3491	502.6647	516.1696	516.1696	485.8402	-0.03159	0.898267	-0.05045	0.844067	0.281586	0.344711
AT3GS2930	AT3GS2930	2184.017	1796.736	1926.331	1481.809	1489.889	1549.091	1372.195	1594.599	1946.635	1932.505	1874.441	1775.544	-0.38196	0.009365	-0.26335	0.09887	-0.08142	0.79348
AT3GS2940	FK	170.0133	155.2294	167.3951	111.7646	117.2567	140.5545	83.59453	106.8101	128.8645	136.2541	117.0694	188.535	-0.41232	0.080028	-0.60901	0.010252	-0.14861	0.751589
AT3GS2941	AT3GS2941	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3GS2950	CBSC8PB3	173.58	196.2671	162.2444	185.1746	183.5034	185.4124	206.3184	209.3046	203.0592	158.3234	182.2558	183.3555	0.065618	0.741386	0.222187	0.220288	-0.01734	0.97028
AT3GS2955	AT3GS2955	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3GS2957	AT3GS2957	0	0	0	0	0	0	0.889303	0	0	1.919071	0	0	0	NA	0.132627	NA	0.281224	NA
AT3GS2960	PRXIE	1404.096	1006.315	1059.74	706.4679	801.5854	622.0286	723.893	763.8541	1401.889	1064.125	1344.968	1128.102	-0.67672	0.005427	-0.25473	0.37705	0.02512	0.970734
AT3GS2970	CYP76G1	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT3GS2980	AT3GS2980	0	0	0	0	0	0.662467	0	1.07889	0	0	0	0	0.098648	NA	0.150881	NA	0	NA
AT3GS2990	AT3GS2990	972.5234	979.5511	956.7272	947.731	948.6531	1066.62	1187.22	1204.041	1122.683	905.8016	904.6271	969.6085	0.023757	0.863423	0.271025	0.012364	-0.06412	0.77353
AT3GS3000	PP2A15	219.9472	251.5787	217.6136	289.5157	324.609	326.9638	322.8172	269.7225	287.9226	237.9648	234.1388	223.7558	0.4					

AT3G54400	AT3G54400	1039.102	581.6642	655.4161	335.2939	274.2615	315.9985	223.2152	230.8824	232.3465	491.2822	506.8572	499.3069	-1.26652	2.41E-11	-1.68522	8.85E-19	-0.59235	0.023853
AT3G54410	AT3G54410	0	1.784246	0	0.824831	1.987402	3.987363	2.66791	0	0.99536	0	0	0	0.647994	0.303652	0.167934	0.824958	-0.10213	NA
AT3G54420	ATEP3	27.34479	17.84246	29.61605	70.11065	47.69764	79.74726	46.24378	52.86561	68.33722	23.02886	22.61568	21.75404	1.272051	0.000044	1.046773	0.001534	-0.16589	0.836577
AT3G54430	SRS6	91.5456	66.0171	72.10864	73.40997	67.57166	45.85468	48.91169	26.97225	43.93107	68.12703	106.4267	67.33392	-0.27007	0.417007	-0.87797	0.004512	0.051569	0.946861
AT3G54440	AT3G54440	951.1232	769.01	727.5247	444.1716	420.6667	529.3225	609.1729	676.464	428.572	818.4839	827.4677	835.9766	-0.79783	7.96E-06	-0.50403	0.008318	0.018464	0.971473
AT3G54450	NPS4.0	1.188904	0	0	0.412416	0.662467	0	0	2.15778	0	0.995936	0	1.039597	-0.05191	NA	0.122536	NA	0.125584	NA
AT3G54460	AT3G54460	486.8774	756.5203	691.4704	363.7505	367.0069	499.4172	395.74	424.0037	218.6791	701.4205	709.068	767.6067	-0.87489	5.91E-05	-1.10712	3.17E-07	-0.07416	0.88773
AT3G54470	PYRE-F	400.6051	367.5547	409.4741	233.4272	206.0273	232.2639	184.0858	215.778	252.8477	363.664	231.4781	320.0951	-0.80434	1.06E-05	-1.04143	1.52E-06	-0.35827	0.218328
AT3G54480	SKIP5	303.1705	244.4417	347.6667	377.3603	394.8305	351.8848	313.0348	304.247	371.9497	374.2189	313.9588	299.377	0.316462	0.074381	0.133802	0.528331	0.133162	0.696325
AT3G54490	NRPE5C	1.188904	1.784246	2.575309	0.260208	0.662467	0.996841	0.889303	0	0.976246	0.995936	2.660668	3.10772	-0.20567	0.797246	-0.5337	0.473862	0.143924	NA
AT3G54500	AT3G54500	3835.404	4287.543	3969.838	1893.812	1710.49	1924.9	1171.213	1069.18	571.1039	3750.825	3707.641	3599.775	-2.04125	1.11E-25	-2.04125	1.11E-25	-0.12508	0.779385
AT3G54510	AT3G54510	20.21137	12.48972	33.47901	4.948987	1.324935	5.981045	1.778607	3.23667	0.976246	20.15025	21.28534	14.50269	-2.00321	3.0E-05	-2.50842	1.04E-06	-0.22698	NA
AT3G54520	AT3G54520	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G54530	AT3G54530	0	0	0	0.824831	0	0	0.889303	0	0.976246	0	0	0	0.1597	NA	0.308877	NA	0	NA
AT3G54540	ABCF4	760.8985	640.5443	582.0198	414.4777	423.9791	478.4836	506.0137	538.3661	418.8095	538.2995	461.6259	550.0664	-0.58592	0.000147	-0.43358	0.008059	-0.34925	0.13409
AT3G54550	AT3G54550	0	0	0	1.649662	1.987402	4.984204	4.446517	4.31556	1.952492	0	0	0	1.155864	0.066562	1.370034	0.030464	0	NA
AT3G54560	H2AV	197.3581	146.3082	185.4222	276.7309	302.7475	225.286	155.6281	117.599	273.3489	203.4216	226.1568	257.9407	0.573762	0.037015	0.040131	0.916783	0.353765	0.44735
AT3G54570	AT3G54570	0	0	0	0	0	0	2.66791	0	0	0	0	0	0.335767	NA	0	NA	0	NA
AT3G54580	AT3G54580	0	0	0	0	0.662467	0	0.889303	0	0	0	0	0	0.097058	NA	0.130384	NA	0	NA
AT3G54590	ATHRGP1	0	0	0	0	0	0	0	0	0.976246	0	0	0	0	NA	0.16673	NA	0	NA
AT3G54600	D1JF	1083.091	656.6025	777.7432	409.9411	400.1302	402.7237	425.0871	475.7905	574.0326	1049.732	912.6091	856.6947	-1.03108	1.68E-08	-0.75622	6.64E-05	0.156564	0.676985
AT3G54610	HAG1	102.2457	126.6815	101.7247	110.115	87.44568	115.6335	114.7201	103.5734	82.00466	60.60099	81.15037	84.94434	-0.06739	8.007817	-0.12176	0.667297	-0.39722	0.260845
AT3G54620	BZIP25	687.1865	818.9689	857.5778	1127.132	1277.237	1364.675	1334.845	1396.084	1190.044	821.3625	840.7711	739.6373	0.664326	5.97E-07	0.722359	5.8E-08	0.023559	0.950218
AT3G54625	AT3G54625	1.188904	0	0	0	0	0	0.996841	0	0	0.976246	0	0	-0.05752	NA	-0.03856	NA	-0.20565	NA
AT3G54630	AT3G54630	3.566712	3.568492	1.287654	4.536571	3.974804	7.974726	2.66791	2.15778	5.857476	5.757214	5.321336	5.179533	0.593577	0.374129	0.191028	0.818148	0.640032	NA
AT3G54640	TA5A1	437.5167	392.5341	406.8988	1099.5	1185.816	1114.468	1661.219	1450.028	1808.008	430.8315	541.4459	434.0448	1.436095	6.31E-28	1.963321	8.34E-52	0.17486	0.507381
AT3G54650	FBLL1	260.37	246.226	256.2432	181.4629	176.2163	215.3176	166.2998	200.6735	127.8882	266.7509	282.0308	233.079	-0.41206	0.029074	-0.61404	0.001185	0.031573	0.949258
AT3G54660	EMB2360	1974.769	1875.243	1864.523	1000.933	974.4894	1064.626	1277.04	1306.536	1146.113	1879.73	1905.038	1747.574	-0.90631	1.1E-21	-0.61199	3.24E-10	-0.04719	0.838515
AT3G54670	TTN8	546.8958	438.9245	421.063	381.4844	431.2662	480.4773	485.5597	545.9183	501.7904	452.9008	542.7763	453.7271	-0.12802	0.492696	0.118258	0.551309	0.036418	0.928043
AT3G54680	AT3G54680	72.52314	71.36984	61.80741	90.31901	113.9444	103.6714	102.2699	87.39009	113.2445	58.53167	49.22236	40.40035	0.558853	0.017044	0.54344	0.002825	-0.46463	0.263611
AT3G54690	SETH3	457.728	499.5889	458.4049	266.4205	323.5586	296.6107	256.1194	240.5925	355.3535	512.392	609.293	458.9066	-0.64745	0.00032	-0.71376	9.42E-05	0.155179	0.659653
AT3G54700	PHT1.0	1.188904	1.784246	0	0.412416	1.987402	0.996841	0	1.07889	0	0	0	0	-0.136839	NA	-0.30394	NA	-0.5037	NA
AT3G54710	CDT1B	64.20081	55.31163	73.3963	68.04857	86.78321	77.75358	64.02985	46.39227	44.90732	79.64116	98.44471	59.04667	0.24341	0.416626	-0.30064	0.351622	0.265005	0.594257
AT3G54720	AMP1	366.1824	372.9074	368.2691	130.7513	96.05775	106.662	113.8308	115.4412	92.74337	347.3519	301.9858	367.7468	-1.68375	1.95E-26	-1.7442	3.38E-26	-0.11659	0.729971
AT3G54730	AT3G54730	9.511232	3.568492	0	0.412416	3.312336	0.996841	0	1.07889	0	0.995936	0	1.035907	-0.70902	0.298863	-1.22667	0.055939	-1.04112	NA
AT3G54740	AT3G54740	122.4571	149.8767	139.0667	156.7179	135.1433	147.5324	166.2998	187.7268	125.9357	159.2829	129.0424	130.5242	0.101736	0.683346	0.22159	0.358059	0.036386	0.947036
AT3G54750	AT3G54750	233.0252	146.3082	191.8605	136.922	149.0551	163.4819	130.7276	141.3346	85.90965	248.5197	203.5411	243.4348	-0.35078	1.183051	-0.66253	0.004157	0.268209	0.493509
AT3G54760	AT3G54760	838.1773	774.3628	674.7309	559.6479	545.2106	616.0476	638.5199	735.8029	565.2464	724.4494	802.1914	669.1956	-0.40669	0.006536	-0.23539	0.159405	-0.05951	0.863358
AT3G54770	AT3G54770	1.188904	1.784246	0.91358	0	0	0	0	0	0.995936	5.321336	2.670183	0	-1.61727	0.007623	-1.48254	0.016034	-0.3203	NA
AT3G54780	AT3G54780	34.47821	26.76369	27.04074	32.99325	32.4609	41.86731	32.90423	26.97225	22.45366	23.98839	30.59768	25.89766	0.236812	0.524316	-0.10019	0.827451	-0.14537	0.850178
AT3G54790	PUB3	337.6487	319.38	291.0099	164.9662	163.6294	171.4566	197.4254	214.6991	171.8193	278.2653	276.7095	299.377	-0.9124	6.46E-11	-0.69058	2.31E-06	-0.14719	0.594257
AT3G54800	AT3G54800	1.188904	0	0	0.412416	0	0	0	0	0	0	0	0	-0.10956	NA	-0.19067	NA	-0.18704	NA
AT3G54802	AT3G54802	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G54804	AT3G54804	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G54810	GAT8A	384.016	349.7122	309.037	507.2712	524.0116	651.9339	686.4523	849.0864	896.1938	270.588	312.6285	291.0897	0.672902	0.000038	1.198352	2.1E-14	-0.25226	0.386985
AT3G54820	PIP2-5	93.92341	80.29107	83.69753	123.3123	114.6068	101.6778	100.4913	106.8101	111.292	87.31774	85.14137	104.6266	0.390754	0.063359	0.287363	0.225853	0.095739	0.843797
AT3G54823	AT3G54823	0	0	0	0.662467	0	0.889303	1.07889	0	0.995936	0	0	0	0.095148	NA	0.335415	NA	0.171604	NA
AT3G54826	AT3G54826	146.2352	206.9725	171.258	275.0812	252.4	185.4124	197.4254	166.1491	245.0377	180.3927	252.7635	205.1095	0.443967	0.058712	0.216134	0.433008	0.276719	0.495317
AT3G54830	AT3G54830	127.2127	160.5821	169.9704	125.7868	121.2315	118.6241	168.9677	194.2002	114.2208	111.3061	134.3637	98.41112	-0.30707	0.210476	0.061515	0.845138	-0.39949	0.274581
AT3G54840	RABF1	423.2498	556.6848	566.5679	651.6166	673.2935	672.8675	610.6622	585.8372	614.0587	561.3283	517.4999	463.0502	0.342058	0.019425	0.228173	0.159702	0.000145	0.999644
AT3G54850	PUB1A	181.9023	210.541	157.0938	228.8906	185.4908	237.2481	244.5585	233.0402	197.2017	147.7685	111.7481	157.4573	0.246098	0.249246	-0.27029	0.177842	-0.37186	0.236803
AT3G54860	VP533	321.0041	306.8903	339.9407	308.9993	315.9969	341.9164	393.0721	367.9015	258.7055	325.8286	324.6015	350.1364	-0.00618	0.979204	0.072475	0.753912	0.044907	0.916524
AT3G54870	MRH2	4.755616	3.568492	6.438272	7.42348	5.962205	4.984204	8.003731	8.63112	0.976246	5.757214	2.660668	12.43088	0.211626	0.775192	0.145486			

AT3G55350	AT3G55350	128.4016	108.839	63.09506	68.04857	66.90919	67.78517	60.47264	52.86561	63.45599	77.72239	86.47171	67.33392	-0.5406	0.039083	-0.72577	0.007125	-0.36205	0.410466
AT3G55360	ECR	48.11464	451.4142	400.4605	268.895	326.5964	250.207	243.6692	247.0658	309.47	351.19	292.6735	449.5834	-0.56683	0.002736	-0.64624	0.000767	-0.20347	0.560274
AT3G55370	DOF3.6	47.74506	32.11643	32.19136	33.40566	30.47349	25.91786	34.68284	34.52448	23.4299	33.58375	43.90102	37.29264	-0.30833	0.381668	-0.28393	0.466073	-0.00505	0.959723
AT3G55380	UBC14	173.58	164.1506	163.5321	216.1058	236.5008	223.2923	187.643	147.8079	261.6339	177.5141	295.3341	200.9659	0.413474	0.097486	0.242743	0.395069	0.402637	0.289901
AT3G55390	AT3G55390	11.88904	16.05821	10.30123	20.62078	15.23675	18.93997	23.12189	21.5778	26.35864	12.47396	13.30334	12.43088	0.484653	0.276253	0.180160	0.06052	0.013103	0.991568
AT3G55400	OVA1	639.6303	745.8148	803.4963	582.7432	511.4247	607.076	702.5498	694.8051	500.8142	599.7098	679.8007	636.4066	-0.35705	0.036571	-0.20097	0.298164	-0.18911	0.592512
AT3G55410	AT3G55410	1338.706	1122.291	994.6092	856.5871	908.2426	959.577	1205.896	1186.779	996.7472	1046.853	1081.562	1015.188	-0.34061	0.001875	-0.02823	0.889016	-0.13583	0.612325
AT3G55420	AT3G55420	197.3581	162.3664	149.3679	91.96867	75.52127	66.78833	88.93036	75.18117	145.4607	202.462	266.0668	186.4362	-1.04974	0.008169	-0.75829	0.010278	-0.341284	0.941006
AT3G55430	AT3G55430	366.1824	280.1266	285.8593	296.1144	261.0121	352.8816	308.5883	367.9015	365.116	242.7625	176.9344	252.7612	-0.04244	0.867935	0.151224	0.525056	-0.45745	0.102785
AT3G55440	CTIMC	3356.276	3532.807	3441.9	3351.701	3265.964	3374.306	2888.458	3298.167	4568.831	3968.639	3537.358	3291.075	-0.04718	0.828579	0.057112	0.802077	0.062759	0.869575
AT3G55450	PBL1	118.8904	155.2294	112.0259	360.0388	337.8583	329.9543	465.995	479.0271	499.8379	98.83217	91.79304	152.2783	1.391492	2.37E-14	1.870764	2.34E-25	-0.1471	0.730823
AT3G55460	SCL30	506.4731	622.7019	534.3766	750.1839	736.0011	655.9212	588.7189	673.2273	870.8114	574.7618	432.3585	514.8455	0.361659	0.051064	0.353576	0.067546	-0.12013	0.74664
AT3G55470	AT3G55470	58.25629	74.93833	69.53333	273.4315	262.9995	252.2007	232.1082	181.2535	218.6791	96.9131	103.766	50.75942	1.859276	1.64E-17	1.58392	3.78E-12	0.292168	0.52541
AT3G55480	AP3BA	590.8853	522.7841	526.6506	386.8458	421.3292	458.5468	457.102	449.8971	260.6577	570.9237	540.1156	501.3788	-0.3666	0.079523	-0.47847	0.022749	-0.02492	0.963016
AT3G55485	AT3G55485	1.188904	1.784246	1.287654	0.124216	0.662467	0	0	0	1.952492	0	0	0	-0.48138	NA	-0.30976	NA	-0.69599	NA
AT3G55490	AT3G55490	48.74506	35.68492	93.99877	108.0529	114.6068	85.72831	82.70522	78.75897	73.21845	56.6126	61.19536	64.2262	0.735001	0.009391	0.351417	0.291923	0.003546	0.996482
AT3G55500	EXPA16	58.25629	69.5856	73.3963	24.33252	18.54908	14.95261	29.70701	20.49891	35.14486	76.76285	62.5257	71.51755	-1.6387	2.53E-09	-1.15955	5.72E-05	0.077929	0.905042
AT3G55510	RBL	160.502	164.1506	186.7099	198.3719	201.3901	229.2734	183.1965	171.5435	106.4108	138.1731	129.0424	160.5655	0.28587	0.214153	-0.14506	0.59564	-0.24768	0.52859
AT3G55512	MIR172D	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G55515	DVL8	1.188904	0	1.287654	2.062078	3.974804	0.996841	2.66791	0	3.904984	3.838143	0	1.035907	0.520872	0.467785	0.454614	0.549619	0.286526	NA
AT3G55520	FKBP2D1	231.8363	224.815	251.0926	423.1384	398.8053	290.0807	345.0498	286.9847	332.8999	300.3347	343.2262	271.4075	0.643217	0.00033	0.436148	0.024978	0.35675	0.21182
AT3G55530	SODIR1	104.6235	99.91778	105.5877	110.5274	127.8562	96.69356	112.0522	133.7824	98.60085	84.43914	82.48071	90.102387	0.113651	0.650413	0.141599	0.591338	-0.26339	0.491006
AT3G55540	AT3G55540	0	0	0	0	0	0	0	0	0	0	1.330334	1.035907	0	NA	0	NA	0.375122	NA
AT3G55550	LECRK54	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	0	0	NA
AT3G55560	AHL15	61.82301	49.95889	63.09506	111.7646	83.47088	131.583	129.8383	130.5457	123.007	50.85539	50.55269	54.90305	0.845906	0.000271	1.077913	3.15E-06	-0.16743	0.75506
AT3G55566	AT3G55566	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G55570	AT3G55570	0	0	0	0.412416	0	0	0	0.889303	0	0	1.919071	0	0.053621	NA	0.138662	NA	0.299732	NA
AT3G55573	AT3G55573	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G55580	AT3G55580	14.26685	10.70548	9.01358	8.248311	3.974804	11.96209	5.335821	11.86779	6.833722	17.27164	25.27635	17.61041	-0.45254	0.41078	-0.4283	0.47697	0.68924	NA
AT3G55590	AT3G55590	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT3G55600	AT3G55600	79.65656	66.0171	75.97161	108.8777	105.3323	78.75042	113.8308	65.81229	127.8882	85.39867	109.0874	71.47757	0.384922	0.194357	0.445654	0.147204	0.233652	0.666516
AT3G55605	AT3G55605	73.71204	85.64381	97.86173	169.5028	172.904	154.5103	131.6169	111.1257	125.9357	117.0633	131.7031	117.0575	0.594394	3.47E-07	-1.509558	0.01409	0.490808	0.083585
AT3G55610	P5CSB	1173.448	1184.739	1103.52	1142.804	1151.368	1263.994	1269.036	1439.239	1057.274	1042.056	999.0808	993.4344	0.038407	0.825997	0.119928	0.459951	-0.18707	0.410204
AT3G55620	EIF6-2	580.1851	549.5478	600.0469	561.71	652.5303	624.0223	610.9515	661.3595	561.3414	575.7214	582.6863	510.7019	0.080258	0.59501	0.008681	0.629753	-0.05375	0.859259
AT3G55630	FGS3	447.0279	419.2978	482.8704	596.3529	674.3917	587.1392	1446.897	1288.195	1212.498	603.5479	550.7583	643.298	0.452911	0.000716	1.528718	1.26E-35	0.407267	0.022475
AT3G55640	AT3G55640	70.27876	80.29107	70.82099	113.0019	104.6698	105.6651	103.1592	101.4157	101.5296	73.88424	87.80204	80.80071	0.497578	0.014472	0.415098	0.062594	0.080281	0.817867
AT3G55646	AT3G55646	70.14333	66.0171	92.71111	33.81808	39.08557	37.87995	37.35075	30.20892	23.4299	54.69353	93.12338	72.51346	-1.20563	0.000223	-1.25252	1.23E-05	-0.0702	0.918298
AT3G55650	AT3G55650	1.188904	1.784246	0	0	0.662467	0	0	2.15778	0.976246	0	1.330334	2.071813	-0.43167	0.500674	0.042567	0.956731	0.08158	NA
AT3G55660	ROPGEF6	73.71204	69.8586	96.57408	132.7978	115.2693	132.5798	121.8346	107.889	102.5058	79.64146	77.15937	93.23159	0.638506	0.002104	0.448096	0.05192	0.051142	0.927039
AT3G55665	AT3G55665	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G55670	AT3G55670	1.188904	5.352738	1.287654	1.237247	0	3.987363	1.778607	1.07889	0.976246	2.878607	2.660668	0	-0.26718	0.733749	-0.37671	0.633096	-0.1772	NA
AT3G55672	AT3G55672	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G55677	AT3G55677	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G55680	AT3G55680	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT3G55690	AT3G55690	36.85602	33.90067	33.47901	36.29257	28.48609	40.87047	35.57214	42.07671	27.33489	26.867	29.26735	19.68222	0.00836	0.984842	0.003924	0.993193	-0.43493	0.45208
AT3G55700	UG776F1	2.377808	5.352738	6.438272	87.01969	72.20893	89.71567	42.68657	57.18117	79.07593	3.838143	6.51637	8.287252	3.499187	8.57E-19	3.034212	5.67E-14	0.200532	0.860356
AT3G55710	UG776F2	107.0014	103.4863	75.97161	27.63184	18.54908	17.94313	34.68284	37.76115	49.78855	83.4796	90.46271	70.44164	-1.99419	1.52E-14	-1.16786	1.09E-05	-0.219	0.662652
AT3G55720	AT3G55720	11.88904	1.784246	14.1642	5.361402	6.246763	2.990522	3.557214	5.39445	1.952492	9.593556	6.65167	10.35907	-0.69104	0.247538	-0.1044	0.099018	-0.08119	NA
AT3G55730	MYB109	58.25629	44.60615	59.2321	47.42779	50.34751	55.82308	56.02612	38.84004	48.8123	27.82653	43.90102	40.40035	-0.09726	0.778907	-0.17162	0.63005	-0.53082	0.23599
AT3G55734	MIR393B	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT3G55735	AT3G55735	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT3G55740	PROT2	130.7794	189.1301	173.8333	155.4807	139.7806	139.5577	218.7687	145.6501	166.9381	151.6066	133.0334	160.5655	-0.16459	0.500008	0.116885	0.665579	-0.13169	0.767369
AT3G55750	RPL35AD	482.695	438.9245	533.0889	784.4144	690.9534	582.155	505.1244	468.2382	776.1156	640.5771	348.5475	625.6875	0.481786	0.052774	0.254857	0.3718	-0.01836	0.979097
AT3G55760	AT3G55760	306.7372	255.1472	235.6407	150.1193	125.8688	149.5261	166.2998	194.2002	172.7955	232.2076	186.2468	235.1508	-0.					

AT3G56260	AT3G56260	35.66712	35.68492	33.47901	44.9533	47.03518	36.88311	28.45771	23.73558	33.19236	44.13864	45.23135	32.1131	0.297577	0.370177	-0.27168	0.477811	0.19593	0.757425
AT3G56270	AT3G56270	111.757	114.1917	130.0531	87.4321	94.07035	76.75674	63.14055	66.89118	65.40848	136.2541	168.9524	114.9856	-0.44319	0.039272	-0.83928	0.000115	0.223943	0.557232
AT3G56275	AT3G56275	8.322328	1.784246	6.438272	0.824831	0.662467	0.996841	1.778607	2.15778	3.904984	3.838143	5.321336	6.215439	-1.56476	0.011441	-0.73625	0.296572	-0.108	NA
AT3G56277	AT3G56277	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G56280	AT3G56280	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G56290	AT3G56290	167.6355	157.0137	168.6827	204.5581	183.5034	153.5135	151.1816	99.25787	187.4392	217.8146	196.8894	255.8689	0.135313	0.621975	-0.16475	0.567943	0.428377	0.220988
AT3G56300	AT3G56300	57.06739	46.3904	46.35556	26.3946	21.86142	33.89259	22.23259	14.02557	15.61994	44.13864	33.25835	50.75942	-0.83968	0.00636	-1.4014	1.73E-05	-0.20529	0.745574
AT3G56310	AGAL3	898.8114	688.7119	809.9346	974.538	1060.61	1065.623	771.9154	796.2208	918.6475	644.8079	611.9536	739.6373	0.361576	0.01233	0.40814	0.80873	-0.2631	0.245429
AT3G56320	AT3G56320	59.4452	57.09587	65.67037	105.9908	83.47088	89.71567	96.04478	78.75897	73.21845	73.88424	67.84703	84.94434	0.598063	0.010997	0.425388	0.106276	0.301211	0.482938
AT3G56330	AT3G56330	71.33424	94.56504	106.8753	88.66935	113.2819	59.81045	74.70149	74.36452	72.2422	131.4564	110.4177	68.36993	-0.04139	0.916653	-0.28639	0.417604	0.179621	0.768141
AT3G56340	RP526C	1270.938	1498.767	1438.31	1756.478	1743.614	1575.008	1044.932	1265.538	1662.547	1636.968	1475.34	200.7787	0.266587	0.145193	-0.0808	0.722347	0.102299	0.777285
AT3G56350	MSD2	0	0	0	0	1.324935	0	0	1.07889	0	0	0	0	0.195296	NA	0.144258	NA	0	NA
AT3G56360	AT3G56360	620.6079	606.6437	548.5407	477.9897	400.7927	483.4678	437.5373	543.7605	856.1677	640.0103	502.8662	514.8455	-0.36996	0.120097	-0.07582	0.880882	-0.09468	0.853499
AT3G56370	AT3G56370	624.1746	497.8046	481.5827	222.7044	222.589	272.1375	257.898	265.4069	222.5841	30.6232	465.6169	516.9174	-1.15192	1.16E-14	-1.08854	9.43E-13	-0.08337	0.807804
AT3G56380	ARR17	0	0	0	0	0	0	0	0	0	0	0	0	0.1919071	1.330334	0	NA	0.510836	NA
AT3G56390	AT3G56390	699.0575	831.4587	763.579	3442.845	3196.405	3385.271	1649.658	1667.964	1708.43	431.791	444.3315	501.3788	0.095918	NA	0	NA	0	NA
AT3G56400	WRKY70	5.94452	0	3.862963	2.474493	1.987402	2.990522	0.889303	2.15778	2.928738	4.797678	5.321336	8.287252	2.115321	2.86E-98	1.126006	0.12E-27	-0.72396	4.54E-09
AT3G56408	AT3G56408	5.94452	0	3.862963	2.474493	1.987402	2.990522	0.889303	2.15778	2.928738	4.797678	5.321336	8.287252	-0.33133	0.658708	-0.47197	0.537008	0.55611	NA
AT3G56410	AT3G56410	240.1586	190.9143	160.9568	174.0394	188.1407	220.3018	273.0162	256.7758	233.3228	127.6182	170.2827	147.0987	-0.03483	0.895104	0.35457	0.995801	-0.41127	0.175093
AT3G56420	AT3G56420	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT3G56430	AT3G56430	114.1348	105.2705	132.6284	87.84452	125.2063	103.6714	125.3918	105.7312	143.5082	111.3061	122.3907	114.9856	-0.16171	0.519931	0.083673	0.774566	-0.02188	0.917473
AT3G56440	ATG18D	48.74506	58.88012	51.50617	73.82239	70.22153	71.77254	57.18117	66.38473	53.734	50.55269	47.6517	0	0.438974	0.075036	0.227096	0.491342	-0.05139	0.936751
AT3G56450	ASNAP1	86.78999	99.91778	93.99877	113.8267	86.78321	106.662	104.0485	108.9679	85.90965	71.00564	57.20436	83.90843	0.136555	0.607456	0.093115	0.759144	-0.37337	0.323583
AT3G56460	AT3G56460	613.4744	679.7977	678.5938	784.4144	801.5854	772.5516	799.4838	869.5853	880.5739	625.6172	546.7673	636.0466	0.258819	0.029162	0.369004	0.001637	-0.1188	0.590987
AT3G56470	AT3G56470	33.28931	53.52738	37.34198	38.76706	41.73544	32.89575	33.79353	31.28781	32.21612	25.90746	22.61568	29.00538	-0.08019	0.834239	-0.29931	0.416182	-0.59573	0.224212
AT3G56480	SCAB3	324.5708	260.4999	296.1605	333.2318	294.1355	360.8564	275.6841	290.2214	215.7504	280.1844	280.7005	280.7307	0.153944	0.413122	-0.17669	0.374745	-0.07126	0.915282
AT3G56490	HIT3	164.0687	160.5821	176.4086	220.2299	237.8258	167.4693	146.6531	128.3879	276.2704	144.8899	125.0514	204.0736	0.306308	0.33049	0.130349	0.728446	-0.07369	0.856535
AT3G56500	AT3G56500	0	0	0	2.062078	0.662467	3.987363	0.889303	0	1.952492	0.959536	1.330334	1.035907	0.976875	0.113863	0.450177	0.519766	0.512017	NA
AT3G56510	AT3G56510	167.6355	221.2465	166.1074	231.3651	232.526	194.384	201.8719	179.0957	211.8454	162.1615	109.0874	193.7145	0.25279	0.282683	0.102256	0.719564	-0.22927	0.566766
AT3G56520	AT3G56520	0	0	0	0	0	0	0	0.976246	0	0	0	0	0	NA	0.16673	NA	0	NA
AT3G56530	anac064	0	0	0	0	0	0	0.889303	0	0	0.959536	1.330334	0	0	NA	0.162611	NA	0.377183	NA
AT3G56540	SCPL53	0	0	1.287654	1.649662	2.649869	0	0	0	0	1.330334	1.035907	0	0.499274	NA	-0.12736	NA	0.13722	NA
AT3G56550	PCMP-H80	16.64466	3.568492	10.30123	7.835896	8.612075	4.984204	10.67164	15.10446	10.73871	9.595356	11.97301	6.215439	-0.44174	0.439805	0.156321	0.817999	-0.17696	NA
AT3G56560	anac065	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G56570	AT3G56570	20.21137	19.62671	23.17778	17.73387	18.54908	17.94313	29.34701	21.5778	13.66744	19.19071	22.61568	27.96948	-0.20319	0.661345	0.035033	0.9495	0.127011	0.888185
AT3G56580	AT3G56580	257.9922	265.8527	233.0654	256.5225	256.3748	259.1786	209.8756	209.3046	167.9143	238.9244	215.5141	250.6894	0.030983	0.878403	-0.35784	0.301707	-0.09413	0.775458
AT3G56590	AT3G56590	468.4282	344.3595	315.4753	195.485	210.6646	244.226	175.1928	193.1213	143.5082	283.066	278.0398	245.5098	-0.78608	2.14E-05	-1.11654	1.82E-09	-0.47669	0.676243
AT3G56600	TS19_250	1.188904	1.784246	2.575309	0.824831	3.312336	1.993682	3.57214	0	0.976246	1.919071	2.660668	1.035907	0.053342	0.951132	-0.10082	0.908626	-0.00124	NA
AT3G56610	AT3G56610	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G56620	AT3G56620	34.47821	24.97944	23.17778	42.06639	35.77323	35.88627	50.6903	53.9445	34.16861	26.867	49.22236	40.40035	-0.417864	0.246086	0.676011	0.056609	-0.021983	0.475332
AT3G56630	CYP94D2	180.7134	169.5034	220.1889	170.3276	183.5034	153.5135	224.1045	228.7247	266.5152	171.7569	196.8894	184.3914	-0.16679	0.395158	0.322754	0.803249	-0.45233	0.898488
AT3G56640	SEC15A	130.7794	155.2294	110.7383	104.3411	105.9948	127.5956	109.3843	118.6779	81.02842	131.4564	121.0604	98.41112	-0.22403	0.363483	-0.3402	0.175413	-0.1615	0.719193
AT3G56650	BDP6	622.9857	811.8319	777.7432	561.2976	618.7444	495.4299	372.7861	735.8029	813.2126	795.455	780.906	753.104	-0.38976	0.006675	0.047358	0.810406	0.076785	0.804314
AT3G56660	PI149	0	3.568492	2.575309	1.649662	2.649869	0.996841	0.889303	2.15778	0.976246	1.919071	0	0	-0.00595	0.994887	-0.21418	0.790775	-0.49133	NA
AT3G56670	AT3G56670	0	0	0	0	0	0	1.07889	0	0	0	1.330334	0	0	NA	0.160793	NA	0.184979	NA
AT3G56680	AT3G56680	1097.358	1263.246	1180.779	1153.114	1000.326	1112.474	1373.974	1354.007	1036.773	1132.252	1247.853	1101.169	-0.11363	0.500746	0.088455	0.631926	-0.02382	0.950436
AT3G56690	CIP111	224.7028	240.8732	197.0111	170.74	151.705	184.4155	200.0933	207.1469	137.6507	162.1615	162.3007	158.4937	-0.37689	0.0546	-0.27189	0.211001	-0.44122	0.115284
AT3G56700	FAR6	0	0	0	0.412416	0	0.996841	0.889303	0	0	0.959536	1.330334	0	0.235925	NA	0.157418	NA	0.387101	NA
AT3G56705	U2.6	0	0	0	0	0	0	0	0	0.976246	0	0	0	0	NA	0.16673	NA	0	NA
AT3G56710	SIB1	90.3567	121.3287	105.5877	61.40868	647.2305	606.0792	449.0983	376.5326	602.3438	51.81492	63.85603	58.01077	2.499625	1.15E-39	2.120336	2.68E-28	-0.82393	0.004541
AT3G56720	AT3G56720	343.5932	460.3355	388.8716	520.056	488.2384	480.4773	475.7774	551.3128	505.579	437.5482	476.2596	429.9012	0.325572	0.026727	0.405969	0.006098	0.175744	0.498675
AT3G56730	AT3G56730	9.511232	10.70548	3.862963	3.71174	1.324935	2.990522	2.66791	0	8.786214	7.676285	3.991002	10.35907	-1.00079	0.112711	-0.67915	0.332425	-0.0491	NA
AT3G56740	AT3G56740	97.49012	85.64381	83.69753	146.8199	116.5942	138.5609	134.2848	96.0212	104.4563	77.72239	77.15937	71.47755	0.573152	0.007349	0.317586	0.200503	-0.23449	0.578914
AT3G56750	AT3G56750	326.9486	355.065																

AT3G57220	AT3G57220	219.9472	194.4828	197.0111	174.8642	194.1029	185.4124	183.1965	183.4113	148.3894	181.3522	145.0064	178.1759	-0.14494	0.458698	-0.24669	0.20834	-0.2685	0.345352
AT3G57230	AGL16	185.469	224.815	177.6963	366.6374	316.6594	273.1344	236.5547	254.618	284.0876	166.9592	353.8688	198.8941	0.680209	0.006989	0.38529	0.17551	0.274714	0.553115
AT3G57240	BG3	29.7226	80.29107	46.35556	225.1789	197.4152	158.4977	8.893035	20.49891	17.57243	3.838143	1.330334	2.071813	1.839035	3.45E-09	-1.5407	2.67E-05	-3.21971	1.66E-12
AT3G57250	AT3G57250	0	0	0	0	0	0	0	0	0.976246	0	0	0	0	NA	0.16673	NA	0	0
AT3G57260	BG2	495.7729	827.8902	582.0198	7265.113	5774.065	5647.103	4926.714	5277.93	5986.34	140.0922	158.3097	158.4937	3.222508	6.03E-78	3.019829	1.51E-68	-1.98693	1.69E-24
AT3G57270	BG1	0	1.784246	0	13.60971	7.949607	10.96525	1.778607	3.23667	8.86214	0	0	0	1.244358	0.001612	2.244358	0.061132	-0.34128	NA
AT3G57280	FAX1	107.0014	133.8185	110.7383	217.7554	246.4378	222.9545	249.005	217.9358	278.301	103.6298	105.0964	128.4524	0.955293	5.02E-08	1.072947	1.14E-09	-0.04576	0.920793
AT3G57290	EIF3E	888.1112	913.5334	945.1383	920.0991	946.0033	942.0145	832.3881	822.1141	873.7402	776.2643	686.4523	921.9568	0.031344	8.851001	-0.11814	0.446767	-0.19931	0.340957
AT3G57300	INO80	1027.213	904.6127	884.6185	675.1243	578.9964	804.4505	886.6356	894.3998	441.2632	1037.258	1004.402	875.341	-0.43713	0.077877	-0.32959	0.220935	0.048366	0.935837
AT3G57310	AT3G57310	0	0	0	0	0.662467	0	0	0	0	0	0	0	0	NA	0	0	0	0
AT3G57320	AT3G57320	115.3237	67.80135	108.163	89.9066	88.10815	80.7441	90.70896	59.33895	164.0093	153.5257	207.5321	126.3806	-0.16812	0.672877	0.09182	0.838161	0.677822	0.153196
AT3G57330	ACA11	833.4217	847.5169	634.8136	1089.602	1112.945	1333.773	1124.08	1317.325	1146.113	507.5943	582.6863	530.3841	0.601233	6.18E-05	0.622985	3.94E-05	-0.50631	0.010938
AT3G57340	AT3G57340	386.3938	476.3937	412.0094	480.0517	497.5129	498.4204	548.7002	523.2616	376.831	403.005	504.1966	385.3572	0.210308	0.286762	0.184707	0.386541	0.020105	0.967712
AT3G57350	NUP93B	164.0687	123.113	110.7383	112.5895	100.0326	110.6493	118.2774	115.4412	104.4583	126.6587	143.6761	140.8133	-0.29947	0.156899	-0.23626	0.315475	0.03537	0.946891
AT3G57360	AT3G57360	7.133424	10.70548	14.1642	35.88015	41.73544	27.919154	25.7988	34.52448	45.88356	15.35257	9.312338	17.60041	1.51863	0.000111	1.505296	0.000199	0.38524	0.669497
AT3G57370	AT3G57370	0	3.568492	1.287654	2.062078	0	0	1.07889	0	3.838143	0	0	0	-0.2367	0.721473	-0.39778	0.531752	-0.04031	NA
AT3G57380	AT3G57380	3.566712	8.92123	2.57309	17.73387	23.84882	28.90838	24.01119	20.49891	16.59618	7.676285	2.660668	8.287252	1.827053	9.61E-05	1.656793	0.000703	0.270309	NA
AT3G57390	AGL18	54.68958	46.39246	36.05432	96.91766	108.6446	79.74726	97.82338	81.99564	91.76712	47.01725	58.53469	43.50807	1.017918	3.01E-05	0.94048	0.000218	0.095768	0.87985
AT3G57400	AT3G57400	524.3066	576.3115	497.0346	228.906	225.9013	266.1565	369.502	366.8226	373.9022	558.4497	606.6323	459.9423	-1.1355	1.93E-16	-0.51407	0.000495	0.025005	0.949258
AT3G57410	VLN3	1293.527	1182.955	974.7543	729.9756	712.8148	106.0967	928.4328	872.822	688.2534	885.6514	876.6901	1003.795	-0.54109	0.001376	-0.46202	0.008768	-0.31276	0.239857
AT3G57420	AT3G57420	273.4479	267.6369	195.7235	207.3262	198.0777	240.2338	224.9938	231.9613	188.4515	211.0978	243.4511	186.4632	-0.18937	0.369964	-0.18433	0.41692	-0.19768	0.574078
AT3G57430	PCMP-H81	123.646	112.4075	123.3272	85.78244	86.78321	94.69987	133.3955	132.7035	83.95716	97.87263	94.45371	119.1293	-0.41942	0.068387	-0.0363	0.908149	-0.19643	0.648366
AT3G57440	AT3G57440	2.377808	7.136984	16.73951	5.773818	11.92441	4.984204	8.893035	8.63112	6.833722	11.51443	13.30334	15.5386	-0.16657	0.806054	-0.08561	0.909292	0.492393	NA
AT3G57450	AT3G57450	29.7226	16.05821	42.49259	131.973	137.7932	184.4155	214.3221	134.8612	562.3177	42.21957	35.91902	72.51346	1.8128	0.000271	2.644596	4.5E-08	0.553981	0.553236
AT3G57460	AT3G57460	36.85602	60.66437	41.20494	63.84559	639.9434	743.6432	577.158	482.2638	393.4271	66.46235	30.59768	24.86176	3.761498	1.12E-69	3.292374	7.56E-53	-0.51544	0.236522
AT3G57470	AT3G57470	1299.472	1290.01	1300.531	886.6935	873.7943	1132.411	1333.955	1265.538	638.6449	1332.795	1293.085	1292.811	-0.41366	0.086177	-0.25547	0.344023	0.010295	0.987891
AT3G57480	SAP13	79.65656	89.2123	118.4642	185.587	210.6646	134.5735	167.1891	139.1768	149.3656	79.64146	97.11438	89.08796	0.863085	0.0001	0.64144	0.000743	-0.11569	0.83156
AT3G57490	RP52D	140.2907	158.7979	163.5321	223.9417	219.2767	204.3524	150.2923	156.439	187.4392	160.2424	152.9884	167.8169	0.485112	0.003511	0.096157	0.668814	0.060837	0.880712
AT3G57500	AT3G57500	5.94452	3.568492	3.862963	6.598649	7.28714	3.987363	1.778607	4.31556	1.952492	6.716749	9.312338	4.143626	0.319424	6.44926	-0.49983	0.491057	0.388655	NA
AT3G57510	ADP61	0	1.287654	1.287654	25.56977	15.23675	12.95899	16.89677	7.55223	8.33722	0	0	0	2.813833	5.42E-07	2.104032	0.00038	-0.33825	NA
AT3G57520	RF52	476.7505	446.0615	394.0222	519.6436	494.2006	843.273	1286.822	1722.987	1207.616	520.0683	439.0102	538.6714	0.474746	0.038298	1.623555	2.67E-15	0.180122	0.681871
AT3G57530	CPK32	290.0926	276.5581	257.5309	300.2385	269.6242	412.6921	542.4751	618.2039	624.7974	207.2597	190.2378	228.9353	0.239078	0.232653	1.091792	1.57E-10	-0.38404	0.176345
AT3G57540	AT3G57540	20.21137	19.62671	24.46543	44.12847	31.13596	32.89575	24.9005	42.07671	31.23987	23.98839	17.29434	19.68222	0.701458	0.051782	0.539372	1.805133	-0.06641	0.946817
AT3G57550	GK-2	233.0252	230.1677	225.3935	371.9988	360.3822	434.6226	435.2861	413.2148	406.1183	202.462	129.0424	247.5817	0.738736	0.00149	0.77363	8.85E-05	-0.2337	0.506711
AT3G57560	NAGK	342.4043	324.7328	321.9136	273.8439	294.7979	269.147	315.7027	274.038	323.1374	286.9012	369.8328	274.5152	-0.23601	0.15857	-0.11328	0.565346	-0.09295	0.781547
AT3G57570	AT3G57570	263.9367	219.4623	221.4765	178.5759	175.5538	232.2639	198.3147	201.7524	150.3419	300.5429	183.5861	207.1813	-0.27383	0.171264	-0.35292	0.086086	-0.2492	0.446233
AT3G57580	AT3G57580	40.42273	44.60615	41.20494	45.77813	50.34751	39.87363	37.35075	38.84004	41.00233	33.58375	29.26735	30.04129	0.121523	0.722355	-0.09563	0.807312	-0.40414	0.422571
AT3G57586	AT3G57586	7.133424	5.352738	1.287654	0.824831	0	1.993682	3.57214	5.39445	0.976246	2.878607	1.330334	5.179533	-1.20216	0.065054	-0.27519	0.704035	-0.29946	NA
AT3G57590	AT3G57590	60.6341	64.23286	50.21852	68.8734	78.83361	83.73463	81.74428	80.91675	72.2422	62.36982	47.89202	65.26211	0.348408	0.128059	0.348408	0.205666	0.021963	0.975777
AT3G57600	DREB2F	61.82301	64.23286	51.50617	103.1039	118.5816	102.6746	126.2811	133.7824	123.007	97.87263	101.1054	78.7289	0.845164	6.01E-05	1.077851	2.95E-07	0.621729	0.039528
AT3G57610	PURF	813.2103	826.1059	767.442	490.7745	480.2888	523.3414	487.3383	575.0483	546.6978	662.0796	514.8392	740.6732	-0.57829	0.263E-06	-0.57262	0.000124	-0.31906	0.154855
AT3G57620	AT3G57620	2.377808	0	1.287654	0	0	0	0.889303	0	10.55489	1.330334	1.035907	0	-0.75523	0.23145	-0.46087	0.509974	0.878048	NA
AT3G57630	AT3G57630	154.5575	135.6027	127.4778	166.2035	149.0551	181.425	172.5429	174.7802	111.292	96.9131	123.7211	85.98024	0.237386	0.3381	1.128034	0.657832	-0.44102	0.212851
AT3G57640	AT3G57640	47.55616	44.60615	47.64321	82.0707	92.08295	103.6714	142.2886	108.9679	152.2944	40.3005	27.93701	42.47217	0.930962	0.000145	1.468477	5.61E-10	-0.3055	0.548923
AT3G57645	U2.2	0	0	0	0.262078	0	0.996841	0.889303	1.07889	0.976246	0	1.330334	0	0.550155	NA	0.476933	NA	0.184607	NA
AT3G57650	LPAT2	407.7941	358.6335	383.721	315.0855	312.0221	340.9195	343.2711	305.3259	254.8002	330.0803	320.6105	286.9461	-0.25102	0.116835	-0.34504	0.033564	-0.29376	0.214384
AT3G57660	NRPA1	445.839	333.654	328.3519	190.1236	181.516	265.1596	267.6803	279.4325	197.2017	282.1035	246.1118	270.3176	-0.78887	0.907E-05	-0.56115	0.008889	-0.46035	0.13032
AT3G57670	WIP2	13.07794	10.70548	12.87654	12.78488	14.57428	12.95893	7.114428	15.10446	4.88123	13.4335	19.95501	13.46678	0.107971	0.854285	-0.39225	0.496768	0.276305	NA
AT3G57680	CTPA3	40.42273	41.03766	28.3284	26.3946	22.52389	19.93682	40.01866	47.47116	36.1211	101.7108	82.48071	73.54936	-0.60053	0.056691	0.163249	0.467374	1.185613	0.000322
AT3G57690	AGP23	0	1.784246	0	0.824831	0	0	0	0	0.976246	0.995936	1.330334	1.035907	-0.12565	NA	-0.10736	NA		

AT3G58180	AT3G58180	147.4241	139.1712	167.3951	164.1414	192.7778	203.3555	184.9751	162.9124	178.653	155.4448	115.7391	153.3142	0.283395	0.149712	0.205985	0.351893	-0.09033	0.835863
AT3G58190	LBD29	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G58193	AT3G58193	0	0	0	0.412416	0	0	0	0	0	0	1.330334	0	0.067751	NA	0	NA	0.180865	NA
AT3G58196	AT3G58196	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G58200	AT3G58200	32.10041	28.54794	34.76667	16.90904	25.83622	11.96209	14.22886	17.26224	20.50117	30.70514	21.28534	36.25673	-0.71598	0.065604	-0.79821	0.046775	-0.09318	0.917498
AT3G58210	AT3G58210	0	0	0	0	0.662467	0	0.889303	0	0	0	0	0	0.099976	NA	0.14456	NA	0.164373	NA
AT3G58220	AT3G58220	280.5813	244.4417	243.3667	225.1789	259.0247	216.3144	272.1269	240.5925	246.9902	272.5081	267.3971	276.587	-0.1336	0.439898	-0.01849	0.93266	0.082977	0.798806
AT3G58230	AT3G58230	0	0	0	0	0	0	1.07889	0	0.959536	0	0	0	0	NA	0.156853	NA	0.149599	NA
AT3G58240	AT3G58240	0	0	0	0	0	0	0	0	0.959536	0	0	1.035907	0	NA	0	NA	0.332992	NA
AT3G58250	AT3G58250	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0.172362	NA
AT3G58260	AT3G58260	2.377808	0	0	0.412416	0	0	0	0	0	3.838143	1.330334	0	-0.36519	NA	-0.42242	NA	0.34293	NA
AT3G58270	AT3G58270	68.95643	64.23286	59.2321	111.3522	113.2819	117.6272	82.70522	103.5734	122.0307	40.3005	57.20436	55.93895	0.799141	0.0000454	0.650755	0.007709	-0.32472	0.467976
AT3G58280	AT3G58280	0	1.784246	2.575309	0	0	0	0	0	0	0	0	0	-0.69637	NA	-0.66291	NA	-0.65361	NA
AT3G58290	AT3G58290	0	0	1.287654	0.824831	0.662467	0	0.889303	2.15778	0	0	0	0	0.012656	NA	0.232817	NA	0.237615	NA
AT3G58300	AT3G58300	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0.172362	NA
AT3G58310	CRSP61	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT3G58320	AT3G58320	0	0	0	0	0.662467	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G58330	AT3G58330	0	0	0	0	0.662467	0	0	0	0	0	0	1.035907	0.098893	NA	0	NA	0.150283	NA
AT3G58340	AT3G58340	0	1.784246	0	0	0	0	0	0	0.976246	0.959536	0	1.035907	-0.33784	NA	-0.08973	NA	0.104127	NA
AT3G58347	AT3G58347	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G58350	RTM3	11.88904	7.136984	23.17778	9.485558	14.57428	10.96525	5.335821	7.55223	5.857476	13.4335	13.30334	12.43088	-0.26033	0.639901	-0.97584	0.064099	-0.11827	NA
AT3G58360	AT3G58360	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G58370	AT3G58370	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G58380	AT3G58380	0	1.784246	2.575309	2.062078	3.312336	9.968408	7.114428	4.31556	3.904984	2.878607	2.660668	2.071813	0.886247	0.182885	0.955995	0.167016	0.329051	NA
AT3G58390	PEL2	1.188904	5.352738	3.862963	4.536571	4.637271	1.993682	4.46517	4.31556	9.282738	5.757214	0	2.071813	0.141507	0.860477	0.143308	0.868638	-0.14532	NA
AT3G58400	AT3G58400	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G58410	AT3G58410	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT3G58420	AT3G58420	0	0	0	0	0	0	1.778607	0	0	0.959536	0	0	0	NA	0.262373	NA	0.143228	NA
AT3G58430	AT3G58430	58.25629	46.3904	70.82099	59.80026	72.20893	36.88311	61.36194	47.47116	52.71728	62.36982	67.84703	64.2262	-0.04358	0.90844	-0.12205	0.750234	0.124879	0.848756
AT3G58440	AT3G58440	2.377808	0	0	0.412416	0	0	0	0	0	0	0	0	-0.2809	NA	-0.35899	NA	-0.35366	NA
AT3G58450	AT3G58450	0	1.784246	2.575309	0.412416	0	0	0	0	0	0	0	0	-0.5844	NA	-0.6756	NA	-0.66416	NA
AT3G58460	RBL15	244.9412	228.3835	225.3395	348.0787	345.8079	366.8374	312.1455	308.5625	233.3228	213.9764	192.8984	206.1454	0.589821	0.000115	0.283	0.109088	-0.18436	0.538195
AT3G58470	AT3G58470	130.7794	155.2294	222.7642	174.8642	192.778	210.3334	190.3109	193.1213	125.9357	184.2308	208.8624	150.2064	0.171942	0.541347	-4E-05	1	0.086608	0.878139
AT3G58480	AT3G58480	1.188904	0	2.575309	1.649662	0	0.996841	1.778607	2.15778	0	0.959536	2.660668	2.071813	-0.20331	0.194504	-0.01175	0.989896	0.195253	NA
AT3G58490	LPPD	568.2961	642.3286	565.2803	381.4844	346.4704	385.7774	298.806	286.9847	247.9665	378.057	439.0102	389.5009	-0.66229	2.8E-07	-1.07315	1.53E-16	-0.55081	0.000601
AT3G58500	PP2A3	1272.127	1348.89	1381.653	1429.432	1331.559	1380.624	1399.764	1334.587	1472.179	1155.281	1136.105	1136.389	0.050263	0.672359	0.072222	0.548902	-0.22147	0.117989
AT3G58510	RH11	441.0834	378.2602	289.7222	315.9103	292.1481	342.9132	304.1418	356.0337	286.0401	307.0514	264.7365	283.8384	-0.22	0.262527	-0.2261	0.274998	-0.36459	0.181229
AT3G58520	AT3G58520	19.02246	24.97944	20.60247	34.23049	34.4483	23.92418	28.45771	34.52448	36.1211	29.7456	19.95501	29.00538	0.514554	0.158286	0.576492	0.133875	0.287769	0.681525
AT3G58530	AT3G58530	124.8349	140.9554	126.1901	191.7732	207.3523	211.3302	209.8756	217.9358	172.7955	145.8494	142.3457	97.37521	0.625644	0.001116	0.650204	0.002401	-0.02112	0.970744
AT3G58540	AT3G58540	0	0	5.150617	4.124156	2.649869	5.981045	4.446517	1.07889	9.76246	2.878607	2.660668	1.035907	0.602248	0.397152	0.781625	0.276841	0.091418	NA
AT3G58550	AT3G58550	2.377808	1.784246	2.575309	10.7228	15.89921	9.968408	5.335821	9.710009	9.76246	0.959536	2.660668	2.071813	1.701535	0.002324	0.189333	0.053742	-0.19527	NA
AT3G58560	CCR4-1	674.1085	692.2875	686.3198	674.2995	592.2457	699.7822	635.852	712.0674	442.2394	652.4842	605.302	630.8671	-0.06113	0.781868	-0.19396	0.339462	-0.11694	0.741202
AT3G58570	RHS2	166.4466	101.702	95.28642	195.485	188.1407	217.3113	237.444	313.957	256.7527	122.8206	85.14137	97.37521	0.684818	0.00296	1.099895	7.38E-07	-0.24574	0.584595
AT3G58580	CCR4-2	274.6368	246.226	244.6543	223.9417	172.2415	235.2544	226.7724	263.2491	157.1756	204.3811	170.2827	238.2585	-0.27327	0.254924	-0.27328	0.358958	-0.30828	0.406849
AT3G58590	AT3G58590	29.7226	39.25341	25.75309	27.21943	23.18635	33.89259	36.46144	38.84004	26.35864	28.78607	34.58868	32.82585	-0.15415	0.70512	-0.115029	0.800022	-0.10036	0.900529
AT3G58600	AT3G58600	193.7913	190.9143	239.5037	409.9411	399.4678	369.8279	304.1418	305.3259	372.926	208.2192	252.7635	225.8276	0.901032	4.56E-09	0.638308	8.81E-05	0.12595	0.71153
AT3G58610	AT3G58610	2702.379	2613.92	2285.586	1473.561	1451.693	1474.328	1571.399	1796.352	1804.103	1994.875	1974.216	2341.149	-0.79289	5.25E-12	-0.55042	3.67E-06	-0.26548	0.141792
AT3G58620	TTL4	241.3475	235.5205	226.6272	120.0129	101.3575	131.583	134.2848	141.3346	153.2706	247.5602	275.6271	236.1867	-0.98443	0.72E-10	-0.7017	1.93E-05	0.105157	0.754927
AT3G58630	AT3G58630	63.01191	69.5856	50.21852	72.58514	70.22153	54.82624	52.46891	60.41784	98.60085	51.81492	66.5167	45.57989	0.126271	0.727112	0.205538	0.572792	-0.15009	0.818128
AT3G58640	AT3G58640	600.3965	565.606	493.1716	433.4488	400.7927	533.3098	396.6294	568.575	414.9045	403.9645	429.6979	444.4039	-0.27675	0.147846	-0.26191	0.19696	-0.36875	0.713132
AT3G58650	AT3G58650	86.78999	71.36984	56.65679	70.93548	55.64725	78.75042	70.25498	85.23231	75.17094	92.92471	99.86503	105.6625	-0.07191	0.837615	0.091844	0.805574	0.148329	0.799226
AT3G58660	AT3G58660	316.2484	269.4212	238.2161	246.6245	261.0121	247.2165	202.7612	245.9869	393.4721	249.4793	210.1928	277.6229	-0.12292	0.669079	0.028837	0.931725	-0.15313	0.752829
AT3G58670	PCO5	175.9578	190.9143	173.8333	185.9944	172.2415	187.4061	217.8794	178.0168	169.8668	158.3234	155.6491	164.7091	0.016892	0.941698	0.071853	0.705721	-0.16699	0.602936
AT3G58676	AT3G58676	0	0	0	0.662467	0	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT3G58680	MBF19	817.9659	110.804	938.7	1622.443	1526.987	1344.738	1604.303	1469.448	2348.848	1111.142	1185.328	1136.389	0.682288	0.000133	0.946647	5.8E-08	0.300886	0.309528
AT3G58690	AT3G58690	137.9129	117.7602	139.0667	89.9066	81.48347	95.69671	108.495	107.889	78.09968	152.5662	111.7481	154.3501	-0.55797	0.008744	-0.41655	0.07373	0.084761	0.862386
AT3G58700	RP11B	40.0606	408.5923	500.8975	475.8655	465.7145	418.6731	357.5	332.2941	504.7192	443.3055	645.212	424.721	0.051083	0.833652	-0.13001	0.631718	0.197772	0.617081
AT3G58710																			

AT3G59140	ABCC10	229.4585	185.5616	171.258	131.1482	135.8058	141.5514	167.1891	154.2813	93.71962	188.069	192.8984	170.9246	-0.51133	0.02064	-0.48451	0.037889	-0.08871	0.860263
AT3G59150	AT3G59150	77.27876	49.95889	64.38272	80.00862	89.43308	86.72515	99.60199	88.46897	88.83839	66.20796	58.53469	65.26211	0.376301	0.113561	0.492299	0.04295	-0.03034	0.962641
AT3G59160	AT3G59160	0	0	1.287654	0	0	0	0.889303	0	0	0	0	2.660668	-0.25636	NA	-0.06123	NA	0.161176	NA
AT3G59170	AT3G59170	1.188904	0	1.287654	0	0	0	1.778607	0	0	0	0	0	-0.45925	NA	-0.08491	NA	-0.4143	NA
AT3G59180	AT3G59180	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	0	0	NA
AT3G59190	AT3G59190	5.94452	1.784246	2.575309	5.773818	5.962205	3.987363	2.66791	1.07889	3.904984	2.878607	1.330334	4.143626	0.416664	0.557949	-0.28427	0.726761	-0.19555	NA
AT3G59200	AT3G59200	8.322328	5.352738	6.438272	10.7228	10.59948	18.93997	13.33955	8.63112	7.009968	11.51443	10.64267	9.323159	0.742624	0.154304	0.417551	0.498101	0.447771	NA
AT3G59210	AT3G59210	255.6143	301.5376	265.2568	408.7038	430.6037	468.5152	605.6157	522.1827	452.0091	331.0398	361.8508	298.3419	0.659635	2.29405	0.932201	1.030109	0.266785	0.31558
AT3G59220	PRN1	4.755616	5.352738	1.287654	23.09527	27.82363	24.92102	37.35075	25.89336	44.90732	8.635821	5.321336	4.143626	2.137337	2.7E-06	2.613342	6.45E-09	0.406192	0.694796
AT3G59230	AT3G59230	2.377808	1.784246	0	0	0	0.996841	0.889303	0	0	1.919071	3.991002	5.179533	-0.66179	0.320456	-0.53252	0.453237	0.754443	NA
AT3G59240	AT3G59240	0	0	0	0	0.662467	0	0.889303	0	0	0	1.330334	0	0.09913	NA	0.145297	NA	0.18929	NA
AT3G59250	AT3G59250	33.28931	33.90067	43.78025	4.124156	6.624673	1.993682	30.23632	14.02557	15.61994	60.45074	62.5257	58.01077	-2.62049	3.3E-12	-0.79948	0.035453	0.668782	1.835554
AT3G59260	AT3G59260	0	0	1.287654	0	0	0	0.889303	0	0	0	0	0	-0.22368	NA	-0.20864	NA	-0.02973	NA
AT3G59270	AT3G59270	13.07794	17.136984	5.150617	7.835896	9.937009	5.981045	8.003731	5.39445	3.904984	15.35257	7.982004	21.75404	-0.08611	0.910408	-0.42932	0.510469	0.67974	NA
AT3G59280	TXR1	153.3686	190.9143	175.121	332.8194	355.7449	275.1281	280.1306	256.7758	314.3512	198.6239	202.2108	222.7199	0.888156	4.85E-08	0.706921	3.31E-05	0.265675	0.368214
AT3G59290	EPSN3	216.3805	167.7191	186.7099	136.0971	98.04516	158.4977	131.6169	190.9635	84.9334	144.8899	148.9974	136.7397	-0.52257	0.059065	-0.46982	0.110809	-0.39148	0.381298
AT3G59300	AT3G59300	301.9816	344.3595	294.8728	217.7554	173.5664	247.2165	341.4925	331.2192	201.1067	334.8779	339.2352	371.8904	-0.54409	0.011767	-0.10108	0.721373	0.150991	0.725981
AT3G59310	AT3G59310	80.84547	103.4863	109.4506	125.7868	104.6698	172.4535	141.3993	113.2834	106.4108	98.83217	66.5167	127.4165	0.429244	0.132234	0.252884	0.036865	0.008128	0.991988
AT3G59320	AT3G59320	124.8349	146.3082	140.3543	108.0529	117.2567	129.5893	149.403	124.0723	85.90965	151.6066	107.7571	152.2783	-0.20907	0.430154	-0.18199	0.526994	0.021265	0.986233
AT3G59330	AT3G59330	77.27876	64.23286	81.12222	53.20161	54.98478	64.79465	72.03358	64.7334	53.69353	115.1443	97.11438	113.9497	-0.38046	0.118434	-0.22626	0.42495	0.52161	0.100977
AT3G59340	AT3G59340	0	0	0	0	0	0	0.889303	0	0	0.99536	0	0	0	NA	0.13694	NA	0.147196	NA
AT3G59350	PT113	127.2127	160.5821	157.0938	367.0499	365.0195	514.3698	942.6617	1040.05	1134.398	147.7685	182.2558	146.0628	1.44602	1.08E-15	2.749125	6.76E-56	0.092774	0.841788
AT3G59360	UTR6	366.1824	326.517	346.379	347.2539	320.6342	381.79	363.7251	352.797	236.2515	303.2133	311.2981	279.6948	0.009867	0.968159	-0.12458	0.583657	-0.21516	0.507006
AT3G59370	AT3G59370	2.377808	3.568492	3.826963	0	0	0	0.889303	1.07889	0.976246	1.919071	7.982004	0	-1.4397	0.021125	-0.7482	0.291917	-0.00287	NA
AT3G59380	FTA	224.7028	285.4794	267.8321	312.1986	349.7827	303.0396	288.1343	305.3259	331.9329	257.1555	239.4601	215.4686	0.314495	0.050481	0.252884	0.150157	-0.11796	0.715646
AT3G59390	AT3G59390	42.80054	39.25341	32.19136	64.74925	53.65985	36.88311	40.01866	38.84004	40.02609	49.89585	27.93701	36.25673	0.443607	0.182616	0.052655	0.907712	0.014699	0.987749
AT3G59400	GUN4	185.0768	1798.52	1570.938	837.2036	889.6935	653.9276	422.4192	389.4793	451.0256	1642.725	2062.018	1343.571	-0.11793	6.58E-11	-0.200626	7.45E-33	-0.04974	0.90625
AT3G59410	GCN2	382.8271	322.9485	301.3111	261.4715	287.5108	331.948	354.8321	379.7693	262.6102	321.4444	393.7789	330.4542	-0.19671	0.350495	-0.01657	0.951075	0.048056	0.917863
AT3G59415	AT3G59415	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G59420	ACR4	115.3237	148.0924	118.4642	74.2348	74.8588	63.79781	88.04104	86.3112	56.62227	120.9015	131.7031	116.0215	-0.79596	0.000175	-0.69043	0.002174	-0.04063	0.942789
AT3G59430	AT3G59430	51.12287	44.60615	52.79383	61.86234	58.95959	66.78833	59.58333	59.33895	45.88356	68.12703	62.5257	43.50807	0.30789	0.284694	0.132955	0.706308	0.20783	0.697129
AT3G59440	CML4	0	0	0	0.412416	1.324935	1.993682	0.889303	0	0	0	0	0	0.629064	NA	0.147727	NA	0.177575	NA
AT3G59450	CML46	0	0	0	1.237247	1.324935	1.993682	0.889303	1.07889	1.952492	2.878607	2.660668	1.035907	0.704357	0.288056	0.615491	0.379392	0.962642	NA
AT3G59455	AT3G59455	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G59460	AT3G59460	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G59470	AT3G59470	78.46766	80.29107	146.7926	133.2102	128.5187	94.69987	112.0522	103.5734	123.007	124.7396	160.9704	122.237	0.214336	0.473726	0.134197	0.692104	0.385523	0.368169
AT3G59480	AT3G59480	4.755616	1.784246	5.150617	5.773818	9.937009	1.993682	4.446517	2.15778	10.73871	9.595356	6.65167	9.323159	0.369986	0.59501	0.332455	0.671123	0.733441	NA
AT3G59490	AT3G59490	66.57862	74.93833	110.7383	125.7868	132.4935	116.6304	127.1574	113.2834	104.5583	91.15588	73.16837	107.7343	0.550829	0.018635	0.431829	0.091809	0.108086	0.843797
AT3G59500	AT3G59500	155.7464	205.1883	224.0519	362.1009	391.5182	398.7363	319.2599	282.6692	305.565	171.7569	135.6941	196.8222	0.961356	1.6E-08	0.625719	0.000589	-0.19703	0.570796
AT3G59510	AT3G59510	4.755616	14.27397	11.58889	12.37247	7.28714	13.95577	13.33955	14.02557	10.73871	10.55489	17.29434	12.43088	0.136057	0.824646	-0.298704	0.623679	0.348493	NA
AT3G59520	ATRB113	112.9459	112.4075	112.6025	102.2791	102.02	112.643	102.2699	100.3368	112.2683	91.15588	97.11438	104.6266	-0.09517	0.678596	-0.09671	0.699889	-0.19987	0.580257
AT3G59530	SSL13	47.55616	42.8219	51.50617	26.80701	31.79843	32.89575	31.12562	36.68226	34.16861	39.34096	47.89202	32.1131	-0.62416	0.0326	-0.4601	0.159668	-0.25472	0.648286
AT3G59540	RPL38B	558.7849	487.0992	536.9519	749.5919	713.4773	567.2024	484.6704	429.3982	966.4835	507.5943	645.212	810.0789	0.341402	0.25623	0.235427	0.479915	0.293971	0.555713
AT3G59550	SYN3	84.74506	28.54794	36.05432	22.68286	15.23675	20.93366	24.81447	10.73871	38.38143	46.56169	40.40035	0	-0.88073	0.011215	-0.09332	0.007152	0.112301	0.887392
AT3G59570	AT3G59570	89.1678	80.29107	100.437	152.5938	117.9192	148.5293	109.3843	107.889	110.3158	77.72239	103.766	79.7648	0.610975	0.003257	0.262767	0.293441	-0.06561	0.901181
AT3G59580	NLP9	45.17835	53.2738	72.10663	2.62078	19.87402	19.93682	37.35075	48.50005	38.07359	77.72239	78.4897	55.93895	-1.40336	7.31E-07	-0.44246	0.171343	0.29756	0.59327
AT3G59590	JAL37	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0.172362	NA
AT3G59600	NRPB8B	170.0133	167.7191	203.4494	269.3074	291.4856	230.2702	251.6729	212.5413	265.5389	189.0285	142.3457	224.7917	0.535069	0.006955	0.418464	0.050295	0.042223	0.935116
AT3G59610	JAL38	0	1.784246	0	0.412416	0	0	0.889303	0	0	0	1.330334	0	-0.19572	NA	-0.09468	NA	-0.04737	NA
AT3G59620	JAL39	0	0	0	0	0	0	1.778607	0	0	0	0	0	0	NA	0.248756	NA	0.118802	NA
AT3G59630	AT3G59630	192.6024	148.0924	199.5864	159.1924	163.6294	177.4377	156.5174	133.7824	106.4108	165.0401	148.9974	131.5601	-0.421274	0.604688	-0.4412	0.038497	-0.27915	0.411802
AT3G59640	AT3G59640	66.57862	80.29107	47.64321	140.6337	120.569	96.69356	117.3881	111.1257	163.0331	76.91235	55.87403	92.19568	0.859959	0.001273	0.972987	0.000307	0.218074	0.694775
AT3G59650	AT3G59650	91.54566	67.80135	79.83457	108.0529	104.6698	75.7599	56.91542	51.78672	113.2445	96.76311	45.23135	68.36983	0.253368	0.504857	-0.10574	0.815591	-0.16544</	

AT3G60110	AT3G60110	79.65656	78.50683	74.68395	100.217	111.2945	98.68724	110.2736	111.1257	186.463	67.16749	61.19536	49.72351	0.397337	0.140316	0.776945	0.002315	-0.36711	0.420047
AT3G60120	BGLU27	0	0	1.287654	12.37247	7.949607	7.974726	6.225124	1.07889	5.857476	0	0	0.271813	2.07195	0.000568	1.205943	0.070019	0.033029	0.973731
AT3G60130	BGLU16	425.6276	556.6848	521.5	361.6885	337.1958	431.6321	405.5224	411.0571	378.7834	492.2418	468.2776	435.0807	-0.40621	0.008342	-0.32153	0.051679	-0.10116	7.50218
AT3G60140	BGLU30	8.322328	12.48972	51.50617	251.9859	251.0751	404.7174	364.6144	336.6137	166.9381	5.757214	3.991002	1.035907	2.693353	3.65E-07	2.64106	7.06E-07	-1.36574	0.088423
AT3G60150	AT3G60150	16.64466	21.41095	28.3284	37.1174	37.09817	39.87363	31.12562	39.91893	40.02609	26.867	30.59768	24.86176	0.719572	0.029289	0.680638	0.05579	0.273448	0.685946
AT3G60160	ABCC9	148.613	130.25	110.7383	112.177	121.2315	117.6272	127.1704	143.4924	115.197	118.9824	127.7121	92.19568	-0.15085	0.521265	-0.01722	0.95295	-0.20278	0.597213
AT3G60164	AT3G60164	1.188904	0	0	2.474493	5.962205	4.984204	1.778607	4.31556	4.88123	0	1.330334	0	1.315603	0.038763	1.096748	0.105276	-0.09831	NA
AT3G60170	AT3G60170	0	1.784246	1.287654	0.824831	0	0.996841	0.889303	1.07889	0	0.959536	0	1.035907	-0.18152	NA	-0.14093	NA	-0.11357	NA
AT3G60176	AT3G60176	0	0	0	0.412416	0	0	0	1.07889	0	0	0	0	0.064603	NA	0.150774	NA	0	NA
AT3G60180	UMK1	98.67903	103.4863	117.1765	233.0148	253.0625	222.2955	215.2114	195.2791	229.4178	119.942	156.9794	100.4829	1.12158	9.12E-10	0.976376	2.47E-07	0.21958	0.560065
AT3G60190	DRP1E	917.8338	1027.726	891.0568	1222.812	1140.106	1317.824	1689.677	1665.806	1199.806	965.2928	896.6451	999.6498	0.370711	0.01906	0.674297	7.32E-06	0.014553	0.973731
AT3G60200	AT3G60200	53.50068	39.25341	37.34198	54.02644	47.69764	54.82624	74.70149	67.97007	89.81463	37.42189	42.57069	48.68761	0.237381	0.442098	0.788973	0.003464	-0.03175	0.967346
AT3G60210	AT3G60210	263.9367	264.0684	213.7506	195.8974	276.2489	194.384	201.8719	188.8057	351.4486	322.404	304.6465	302.4847	-0.1467	0.617269	0.002337	0.994546	0.314759	0.454015
AT3G60220	ATL4	54.68958	39.25341	42.49259	31.756	44.38531	21.9305	22.23259	29.13003	38.07359	50.85539	58.53469	41.43626	-0.43545	0.214128	-0.57773	0.114864	0.119032	0.874312
AT3G60238	AT3G60238	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0	0.172362
AT3G60240	E1F4	1505.152	959.9244	847.2766	548.9251	519.3743	692.8043	707.8856	831.8241	590.6288	765.7904	774.2544	788.3249	-0.88647	2.59E-05	-0.61877	0.00544	-0.49422	0.116252
AT3G60245	RPL37AC	1683.488	1759.267	1816.88	2813.911	2565.736	1785.342	1375.752	1390.689	2365.444	2184.863	2524.974	2079.064	0.431979	0.066284	-0.03426	0.91461	0.355647	0.32837
AT3G60250	CKB3	445.839	410.3766	445.5284	495.7235	545.2106	516.3635	506.3137	438.0293	523.2679	459.6176	489.5629	455.7989	0.251711	0.055749	0.169237	0.251573	0.104208	0.682617
AT3G60260	AT3G60260	136.724	137.3869	160.9568	278.7929	325.2714	281.1091	243.6692	226.5669	250.8952	116.1038	117.0694	126.3806	1.005066	5.28E-11	0.713661	1.16E-05	-0.27164	0.356429
AT3G60270	AT3G60270	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G60280	UCC3	1.188904	1.784246	0	0.412416	0	0	0	0.889303	0	0	0	0	-0.40146	NA	-0.29287	NA	-0.48079	NA
AT3G60286	AT3G60286	5.94452	7.136984	11.58889	21.03319	19.87402	8.971567	16.00746	12.94668	19.52492	8.635821	14.63367	6.215439	0.864287	0.082508	0.78461	0.143971	-0.154627	NA
AT3G60290	AT3G60290	154.5575	280.1266	236.9284	55.6761	65.58426	65.79149	94.26617	71.20674	46.85981	191.9071	246.1118	214.4327	-1.75633	1.26E-12	-1.56937	5.95E-10	-0.03354	0.961629
AT3G60300	AT3G60300	713.3424	833.2429	851.1395	805.4476	753.8878	775.5421	832.3881	896.5575	938.1724	714.854	697.095	649.5134	-0.03495	0.822829	0.15402	0.26391	-0.21382	0.263679
AT3G60310	AT3G60310	122.4571	124.8972	106.8753	80.83345	71.54647	83.73463	95.15547	89.54786	70.28971	122.8206	133.0334	108.7702	-0.5686	0.005261	-0.45595	0.040749	0.040598	0.938531
AT3G60318	AT3G60318	2.377808	0	0	0.824831	1.324935	0.996841	0.889303	0	2.928738	1.919071	0	1.035907	0.064288	0.937071	0.173448	0.828181	0.06765	NA
AT3G60320	AT3G60320	1895.113	2034.04	1739.621	834.3167	697.578	998.8345	872.4067	1084.284	788.806	1557.326	1630.989	1432.659	-1.14367	2.8E-13	-1.02679	8.97E-11	-0.28919	0.275401
AT3G60328	AT3G60328	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G60330	AHA7	4.755616	19.62671	6.438272	13.1973	9.274542	8.971567	12.40255	4.88123	13.4335	11.97301	11.39497	0	0.115835	0.959666	0.086303	0.904422	0.279063	NA
AT3G60340	AT3G60340	601.5854	551.332	521.5	549.75	578.9964	522.3446	614.5087	508.1572	631.6312	579.5595	560.0706	615.3285	-0.01973	0.913515	0.066797	0.704922	0.066801	0.82263
AT3G60350	ARABID110	380.4493	410.3766	345.0914	265.1832	266.3118	318.989	306.8097	365.7437	316.7266	380.9356	308.6375	379.1414	-0.40897	0.044799	-0.34327	0.116924	-0.08099	0.859259
AT3G60360	E1D14	79.65656	67.80135	91.42346	150.1193	119.2441	127.5956	103.1592	120.8357	114.2208	128.3015	125.0514	103.5907	0.707202	0.000562	0.46995	0.039666	0.159093	0.091351
AT3G60370	FKBP20-2	318.6263	265.8527	274.2704	265.5956	317.9843	280.1123	340.6032	253.5391	351.4486	363.661	317.9498	339.2244	0.003273	0.990364	0.134223	0.566568	0.374761	0.183676
AT3G60380	AT3G60380	378.0715	340.791	378.5704	188.4739	137.1007	210.3334	280.9863	228.7247	166.9381	379.0166	337.9048	388.4649	-0.10761	9.05E-09	-0.84316	4.03E-06	0.010053	0.985609
AT3G60390	HAT3	161.6909	194.4828	163.5321	134.0351	127.8562	148.5293	100.4913	130.5457	95.67211	132.4159	117.0694	142.9551	-0.33	0.092199	-0.65014	0.0008	-0.3825	0.190069
AT3G60400	AT3G60400	111.757	78.50683	84.98519	63.09958	55.64725	80.7441	79.14801	94.94231	52.17128	84.43914	81.15037	76.65708	-0.46833	0.080408	-0.27977	0.36697	-0.1856	0.726049
AT3G60410	AT3G60410	198.547	194.4828	251.0926	313.4358	329.2462	298.0554	280.1306	315.0359	323.1374	228.3695	206.2018	204.0736	0.535073	0.000467	0.497262	0.001828	-0.01507	0.974215
AT3G60420	AT3G60420	134.3461	210.541	202.1617	115.5187	123.8439	107.5979	124.7693	116.8438	145.1678	142.0113	147.6671	140.8833	2.623504	5.17E-62	2.778419	2.67E-69	-0.32668	0.276501
AT3G60440	AT3G60440	253.2625	244.4417	275.5588	200.8464	220.6016	164.4787	170.7463	130.5457	199.1542	32.5385	352.5385	268.2998	-0.38577	0.056729	-0.61022	0.002429	0.825028	0.378088
AT3G60450	AT3G60450	115.3237	85.64381	88.84815	287.4537	234.5134	217.3113	178.75	148.8868	285.0638	72.92471	82.48071	101.5188	1.287957	2.12E-07	1.02323	0.000074	-0.17323	0.761125
AT3G60460	DUO1	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0.172362	NA
AT3G60470	AT3G60470	2.377808	3.568492	5.150617	96.09283	94.07035	76.75674	20.45398	26.97225	24.40615	1.919071	0	0	3.955521	6.63E-22	2.105133	2.88E-06	-0.92149	0.310967
AT3G60480	AT3G60480	20.21137	8.92123	19.31482	44.54088	37.09817	27.91154	40.01866	17.26224	64.43223	33.58375	35.91902	30.04129	0.990052	0.019474	1.114663	0.009874	0.845796	0.187679
AT3G60490	ERF035	1.037794	1.136984	2.575309	7.835896	7.28714	10.96525	6.225124	5.39445	7.809968	13.4335	11.97301	16.5745	0.101299	0.880128	-0.19199	0.779555	0.70535	NA
AT3G60500	CER7	208.0582	217.678	212.463	204.5581	200.0651	238.2449	190.3109	181.2535	160.1043	192.8667	182.2558	231.0072	0.00501	0.982467	-0.25619	0.180761	-0.06786	0.862386
AT3G60510	AT3G60510	79.65656	74.93833	84.98519	100.6294	62.93439	92.70619	100.4913	89.54786	93.71962	75.80331	63.85603	84.94434	0.023659	0.758298	0.23263	0.425335	-0.08669	0.88011
AT3G60520	AT3G60520	92.73451	121.3287	112.0259	220.6423	159.6546	179.4313	140.51	104.6523	135.982	117.0633	137.0244	106.6984	0.772778	0.000227	0.228642	0.386756	0.143776	0.757199
AT3G60530	GATA4	167.6355	203.404	158.3815	195.485	228.5512	194.384	191.2002	211.4624	217.7029	188.069	207.5321	205.1095	0.231389	0.001209	0.233901	0.227164	0.187337	0.547995
AT3G60540	AT3G60540	17.83356	21.41095	12.87654	178.5759	200.7276	145.5388	108.495	89.54786	119.102	6.716749	15.96401	9.323159	3.156282	1.07E-28	2.44151	0.02E-17	-0.61877	0.319262
AT3G60550	CYCU2-2	7.133244	3.568492	9.01358	11.54764	12.58688	11.96209	8.003731	11.86779	14.64369	3.838143	7.982004	2.071813	0.670984	0.220936	0.600174	0.315475	-0.44083	NA
AT3G60560	AT3G60560	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.26756	NA	-0.24986	NA	-0.06955	NA
AT3G60565	AT3G60565																		

AT3G60990	AT3G60990	2.377808	3.568492	1.287654	2.062078	0.662467	0.996841	0	1.07889	0	0.959536	2.660668	1.035907	-0.35588	0.636783	-0.87108	0.202221	-0.28672	NA
AT3G61010	AT3G61010	689.5643	622.7019	651.5531	526.6547	493.5381	619.0381	568.2649	554.5494	297.755	501.8371	488.2326	473.4093	-0.25509	0.283095	-0.45367	0.048244	-0.41196	0.211812
AT3G61020	AT3G61020	85.60108	80.29107	70.82099	102.6915	113.9444	91.70935	151.5952	105.7312	90.79008	67.16749	105.0964	88.05205	0.373715	0.123758	-0.20306	0.0437046	-0.18119	0.821978
AT3G61028	AT3G61028	2.377808	3.568492	1.287654	1.237247	1.987402	0.996841	1.778607	0	0.976246	1.919071	2.660668	1.035907	-0.3339	0.6646	-0.54268	0.472511	-0.15855	NA
AT3G61030	AT3G61030	26.15589	19.62671	24.46543	14.02213	11.92441	20.93366	32.90423	18.34113	15.61994	27.82653	11.97301	27.96948	-0.55575	0.213605	-0.06251	0.91437	-0.03272	0.978255
AT3G61035	AT3G61035	0	0	0	0	0.824831	1.324935	1.993682	0	0	1.952492	0.959536	0	0	0	0	0	0	0
AT3G61040	CYP76C7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT3G61050	NTM2C7YPE4	1188.904	1215.072	1188.505	875.5583	1032.124	868.2483	928.4328	938.6342	1014.32	1024.784	1081.562	1120.851	-0.36806	0.001102	-0.31512	0.007632	-0.15326	0.439153
AT3G61060	PP2A13	388.7716	428.219	332.2148	197.9595	178.2037	243.2291	299.6953	331.2192	224.5366	350.2305	415.0642	374.9982	-0.87447	1.68E-06	-0.41345	0.041548	-0.00949	0.98677
AT3G61070	PEX11E	278.2035	378.2602	372.1321	388.4955	447.1654	431.6321	450.8769	442.3449	416.857	402.0454	396.4395	362.5673	0.300368	0.05639	0.350288	0.029783	0.178065	0.52026
AT3G61080	AT3G61080	471.9949	558.469	513.7741	237.139	241.8006	232.2639	386.847	325.8248	425.6433	607.3861	610.6233	502.4147	-1.09729	1.08E-14	-0.42851	0.005789	0.156439	0.569492
AT3G61090	AT3G61090	1.188904	1.784246	10.30123	2.062078	1.324935	0	0.889303	0	0.972646	11.3003	0	9.323159	-0.84113	0.218343	-1.02213	0.138088	0.537942	NA
AT3G61100	AT3G61100	61.82301	76.72258	79.83457	108.4653	105.9948	81.74094	78.25871	62.57562	98.60085	71.09564	87.80204	91.15977	0.441627	0.082629	0.135727	0.675582	0.188037	0.70827
AT3G61105	AT3G61105	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G61110	RPS27B	475.5616	406.8081	468.7062	762.5564	665.1171	387.7711	412.6368	397.0315	820.0466	565.1665	830.1284	551.1023	0.402391	0.211316	0.253288	0.483192	0.493229	0.295199
AT3G61111	AT3G61111	0	0	0	0	0	0	1.993682	0	0	0	0	0	0.258438	NA	0	NA	0.144661	NA
AT3G61113	URM1-2	4.755616	1.784246	11.58889	9.485558	12.58688	4.984204	3.557214	5.39445	7.809968	3.838143	5.321336	6.215439	0.435634	0.498563	-0.12885	0.871814	-0.21176	NA
AT3G61117	AT3G61117	0	0	0	0	0	0	1.07889	0	0	0	0	0	0.16673	NA	0	NA	0	NA
AT3G61118	AT3G61118	0	0	0	0	0	0	0	0.972646	0.959536	0	0	0	0.146371	NA	0	NA	0.148275	NA
AT3G61120	AGL13	1.188904	0	0	0.824831	1.324935	0.996841	1.778607	1.07889	2.928738	3.838143	1.330334	3.10772	0.204681	0.794989	0.626028	0.388224	0.920216	NA
AT3G61130	GAU1T	993.9237	961.7086	974.7543	550.5748	522.0242	632.9939	665.199	719.6196	475.4318	933.6282	1109.499	997.578	-0.76943	1.28E-06	-0.64445	8.27E-05	-0.051239	0.895902
AT3G61140	CSN1	311.41928	253.2807	372.1321	443.3467	410.7297	399.7332	409.0796	403.5048	372.926	333.9184	368.5025	334.5978	0.277154	0.044863	0.193486	0.210943	-0.00022	0.99927
AT3G61150	HGD1	170.0133	174.8561	177.6963	172.8021	142.4305	179.4313	271.2376	337.6926	285.0638	140.0922	160.9704	158.4937	-0.08006	0.715065	0.75937	5.09E-06	-0.18443	0.581855
AT3G61160	ASK2	54.68958	67.80135	69.53333	63.92441	56.30972	70.7757	119.1667	119.7568	89.81463	45.09817	82.48071	70.44164	-0.0095	0.979204	0.749397	0.004615	0.032092	0.965246
AT3G61170	AT3G61170	15.45575	17.84246	16.73951	18.14629	11.26194	15.94945	16.00746	15.10446	7.809968	19.19071	14.63367	18.64632	-0.10425	0.846087	-0.30557	0.568183	0.97505	NA
AT3G61172	LCR8	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G61175	LCR52	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G61177	LCR53	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G61180	AT3G61180	532.629	572.743	517.637	508.096	501.4877	504.4014	502.4565	503.8416	517.4104	512.392	597.32	486.8761	-0.0963	0.502377	-0.08737	0.574628	-0.02451	0.939071
AT3G61182	LCR54	0	0	0	0	0	0.996841	0	0	0	0	0	0	0.15625	NA	0	NA	0	NA
AT3G61185	AT3G61185	1.188904	0	0	1.237247	1.324935	0.996841	3.557214	0	3.904984	0	0	0	0.350244	0.613452	0.824524	0.20151	-0.27519	NA
AT3G61190	BAP1	15.45575	16.05821	19.31482	216.9306	258.3622	349.8911	257.0087	238.4347	380.7359	12.47396	14.63367	17.61041	3.699975	1.17E-35	3.788479	2.87E-37	-0.18436	0.828122
AT3G61198	AT3G61198	11.88904	14.27397	24.46543	235.9017	260.3496	225.286	32.01493	37.76115	26.3564	10.55489	19.95501	14.50269	3.633469	2.73E-39	0.805463	0.021138	-0.20265	0.795936
AT3G61200	AT3G61200	200.9248	251.5787	244.6543	332.8194	281.5486	251.2039	224.9938	229.8036	333.8761	284.9821	296.6645	241.3662	0.313614	0.148652	0.176885	0.479899	-0.235296	0.523736
AT3G61210	AT3G61210	450.5946	460.3355	556.2667	257.3473	262.9995	237.2481	237.444	208.2258	155.2231	472.0915	489.5629	485.8402	-0.93469	3.07E-09	-1.26236	2.92E-15	-0.02036	0.963696
AT3G61220	SDR1	323.3819	363.9862	413.337	379.8347	427.2914	361.8532	377.0647	346.3237	484.218	383.8143	336.5745	397.7881	0.08691	0.683511	0.132296	0.53804	0.024997	0.957855
AT3G61230	PLIM2C	1.188904	0	0	2.886909	1.324935	0	1.778607	1.07889	5.952492	0	2.660668	1.035907	0.472281	0.495235	0.476864	0.504999	0.219159	NA
AT3G61240	RH12	568.2961	565.606	561.4173	422.726	434.5785	505.3983	48.46179	41.266	383.6647	427.9529	445.6619	417.4073	-0.31821	0.012853	-0.44266	0.000571	-0.38991	0.019248
AT3G61250	AIMYB17	29.7226	16.05821	27.04074	26.80701	38.4231	23.92418	28.85711	22.65669	25.3824	27.8253	25.27635	30.01429	0.24277	0.55086	0.035742	0.944068	0.146353	0.858201
AT3G61260	AT3G61260	2329.063	2760.229	2661.582	1391.49	1585.284	1318.82	1836.412	1707.883	3185.491	2878.607	4097.429	3107.72	-0.82168	0.000223	-0.1965	0.479679	0.366703	0.31531
AT3G61270	AT3G61270	1.188904	0	1.287654	3.299235	3.312336	1.993682	0	0	0.972646	0	1.330334	0	0.833511	0.200468	-0.32318	0.663542	-0.26726	NA
AT3G61280	AT3G61280	254.4254	360.4177	316.763	1533.774	1413.043	1537.128	1335.734	1170.596	1082.657	151.6066	164.9614	133.6319	2.240826	9.63E-56	1.924033	7.63E-41	-1.01975	1.67E-08
AT3G61290	AT3G61290	1.188904	0	0	0.412416	0	0	0.889303	1.07889	0.972646	0	0	0	-0.19197	NA	0.305447	0	-0.26682	NA
AT3G61300	AT3G61300	2.377808	1.784246	2.575309	2.886909	1.987402	1.993682	1.778607	0	0.972646	0	1.330334	2.071813	0.072742	0.933365	0.51796	0.494159	-0.43664	NA
AT3G61310	AHL11	325.7597	258.7157	267.8321	284.5667	308.7097	348.8943	262.3445	224.4091	238.204	310.8885	320.6105	289.179	0.129339	0.479236	-0.23381	0.198874	0.101923	0.757965
AT3G61320	AT3G61320	164.0687	115.976	112.0259	90.31901	118.5816	116.6304	118.8561	119.7568	119.1102	138.1731	125.0514	132.596	-0.09485	0.212028	-0.09485	0.736151	0.006056	0.992275
AT3G61330	AT3G61330	13.07794	8.92123	7.725926	12.78488	9.274542	15.94945	27.56841	28.05114	20.50117	12.47396	7.982004	12.43088	0.245521	0.649715	1.165299	0.009029	0.112802	NA
AT3G61340	AT3G61340	0	0	1.287654	0	0	0	1.778607	2.15778	0	0.995936	0	0	-0.31912	NA	0.397008	NA	-0.05619	NA
AT3G61350	SKIP4	40.42273	71.36984	52.79383	44.54088	54.32232	56.81992	41.79726	44.23449	57.59851	54.69353	53.21336	55.93895	-0.06421	0.856614	-0.15974	0.65728	0.022957	0.977006
AT3G61360	AT3G61360	39.23383	48.17644	45.0679	47.84021	41.73544	41.86731	39.12935	38.84004	36.1211	54.69353	42.57069	39.36445	0.010922	0.976859	-0.19382	0.893927	0.062026	0.933388
AT3G61370	AT3G61370	43.98945	39.25341	48.3284	73.82239	80.82101	53.8294	67.58706	57.18117	116.7133	46.05771	62.5257	43.50807	0.843306	0.009504	0.130002	0.001613	0.397079	0.503914
AT3G61380	AT3G61380	128.4016	103.4863	113.3136	60.62509	68.23413	89.71567	80.03731	96.0212	67.36097	103.6298	123.7211	119.1293	-0.67042	0.002779	-0.49729	0.041589	-0.00539	0.99299
AT3G61389	AT3G61389	0	0	0	0	0	0	0	0	0	1.330334	0	0	0	NA	0	NA	0	NA
AT3G61390	PUB36	1.188904	0	0	32.58083	33.78583	27.91154	104.0485	101.4157	92.74337	2.878607	0	4.143626	3.344364	7.42E				

AT3G61820	AT3G61820	546.8958	297.9691	350.242	306.8372	289.4982	284.0996	205.4291	217.9358	254.8002	300.3347	242.1208	202.0018	-0.43058	0.068317	-0.79542	0.000469	-0.66396	0.025817
AT3G61825	AT3G61825	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G61826	AT3G61826	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT3G61827	AT3G61827	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G61829	AT3G61829	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G61830	ARF18	240.1586	162.3664	206.0247	111.3522	125.8688	109.6525	123.6132	128.3879	95.67211	167.9187	139.6851	184.3914	-0.79878	4.566-05	-0.79622	8.98E-05	-0.30377	0.366371
AT3G61840	AT3G61840	14.26685	32.11643	18.02716	25.98218	30.47349	23.92418	13.33995	15.10446	23.42299	33.58375	29.26735	29.00336	0.344155	0.410745	-0.23531	0.63577	0.516826	0.413872
AT3G61850	DOF3.7	5.123262	67.80135	72.108616	67.63615	68.8966	75.7599	104.0485	99.25787	59.55101	72.92471	77.15937	72.51348	-0.1589	0.599665	-0.14421	0.659405	-0.08839	0.882905
AT3G61860	RS31	443.4612	453.1985	373.4198	788.951	747.2631	729.6874	553.1468	579.3639	629.6787	393.4096	435.0192	399.8599	0.831219	4.3E-12	0.469684	0.000286	-0.0474	0.879579
AT3G61870	AT3G61870	1734.611	1557.647	1616.006	854.9375	898.9681	772.5516	1169.434	1220.225	1565.899	1914.274	1720.122	1762.077	-0.94495	7.46E-13	-0.30812	0.039594	0.134824	0.60756
AT3G61880	CYP78A9	85.60108	108.839	95.28642	49.48987	48.36011	43.86099	22.23259	14.02557	26.35864	84.43914	82.48071	59.04667	-0.97137	5.59E-05	-2.05711	1.49E-14	-0.33736	0.4308
AT3G61890	ATHB-12	154.5575	144.5239	190.5728	170.3276	225.9013	207.3429	170.7463	135.9401	163.0331	189.9881	224.8264	160.5655	0.283295	0.195691	-0.06116	0.831565	0.21604	0.56626
AT3G61897	MIR1668	0	0	0	0	0	0	0	0	0	0	0	0	0.26262	NA	0.26262	NA	0.150298	NA
AT3G61898	AT3G61898	29.7226	17.84246	23.17778	18.14629	24.51129	19.93682	12.45025	9.710009	12.6912	31.66468	27.93701	17.61041	-0.18511	0.687592	-0.91089	0.032588	0.094154	0.920242
AT3G61900	AT3G61900	14.26685	14.27397	18.02716	22.68286	15.89921	11.96209	18.67537	7.55223	13.66742	24.94793	25.27635	19.68222	0.138513	0.795705	-0.18233	0.753912	0.507948	0.949489
AT3G61910	NAC066	0	0	0	0	0	0	0	0	0	0	0	0	0.262373	NA	0.262373	NA	0.143228	NA
AT3G61920	AT3G61920	10.70014	5.352738	9.01358	4.948987	1.324935	4.984204	2.66791	2.15778	10.73871	17.27164	17.29434	14.50269	-0.872	0.135415	-0.52457	0.430332	0.767728	NA
AT3G61930	AT3G61930	0	0	0	5.773818	3.312336	3.987363	3.557214	7.55223	7.809968	0	1.330334	0	1.549976	0.102616	1.874283	0.002539	0.097227	NA
AT3G61940	MTPA1	1.188904	0	0	3.862963	0	0	0	0	1.07889	0	2.878607	1.330334	0.10772	0.104463	-0.65357	0.327043	0.274831	NA
AT3G61947	AT3G61947	0	0	0	0	0	0	0	0	0	0	0	0	0.959536	0	0	0	0	NA
AT3G61950	BHLH67	84.41218	71.36984	97.86173	17.73387	20.53649	15.94945	32.01493	38.84004	28.31113	86.35821	97.11438	80.80071	-2.11063	4.26E-17	-1.39091	2.6E-07	0.045409	0.942666
AT3G61960	AT3G61960	330.5153	347.928	392.7346	604.6012	551.8352	592.1234	555.8147	575.0483	432.477	415.4789	328.5925	364.6391	0.695273	5.9E-06	0.535417	0.000893	0.051597	0.894073
AT3G61962	AT3G61962	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G61970	NGA2	82.03437	126.6815	95.28642	53.20161	46.37271	49.84204	53.35821	61.49673	67.36097	96.9131	117.0694	100.4829	-0.96338	1.61E-05	-0.69448	0.003793	0.062308	0.910358
AT3G61980	AT3G61980	42.80054	76.72258	55.36914	98.15491	121.2315	92.70619	88.04104	70.12785	151.3181	63.32935	83.81104	75.62118	0.803535	0.008291	0.791007	0.012253	0.33755	0.551316
AT3G61990	OMTF3	45.17835	30.33218	32.19136	57.73818	72.20893	78.75042	86.26244	79.83786	80.05217	27.82653	43.90102	30.04129	0.867518	0.001573	1.113487	0.000047	-0.1207	0.863606
AT3G62000	AT3G62000	109.3792	153.4452	139.0667	129.9109	139.1181	117.6272	96.93408	105.7312	105.4346	130.4968	200.8804	128.4524	-0.04003	0.892644	-0.36194	0.151059	0.187323	0.662398
AT3G62010	AT3G62010	1075.958	876.0648	776.4556	511.3953	490.2258	577.1708	562.0398	682.9373	406.1183	841.5127	695.7647	854.6229	-0.7709	6.96E-05	-0.70717	0.000374	-0.18469	0.623458
AT3G62020	GLP10	33.28931	30.33218	28.3284	32.16841	13.91181	14.95261	10.67164	23.73558	11.71495	48.93632	43.90102	31.0772	-0.48121	0.279004	-0.88241	0.04571	0.38989	0.594257
AT3G62030	CYP20-3	4621.27	5224.272	5543.352	3851.137	3615.746	3445.082	4237.531	3907.739	5755.946	6184.207	5378.54	7247.202	-0.486	0.004988	-0.14368	0.497095	0.2843	0.304315
AT3G62040	AT3G62040	5.94452	5.352738	2.575309	3.71174	5.962205	0.996841	8.003731	2.15778	2.928738	7.676285	9.312338	4.143626	-0.21602	0.776393	-0.0333	0.982929	0.416265	NA
AT3G62050	AT3G62050	8.322328	5.352738	11.58889	8.248311	13.24935	8.971567	5.335821	7.55223	9.76246	6.635821	9.312338	4.143626	0.196802	0.575728	-0.15546	0.829808	-0.18704	NA
AT3G62060	PAE6	67.76752	89.2123	86.27284	77.12171	82.80841	72.76938	70.25498	65.81229	51.74104	59.49121	89.13238	68.36983	-0.04739	0.879989	-0.3473	0.213182	-0.16262	0.746536
AT3G62070	AT3G62070	41.61164	53.52738	57.94445	33.81808	27.82363	18.93997	25.7898	28.05114	38.07359	95.95356	87.80204	74.58527	-0.81913	0.005698	-0.68332	0.033757	0.730429	0.058687
AT3G62080	AT3G62080	115.3237	119.5445	131.3407	105.166	103.3449	126.5988	142.2886	137.019	100.5533	121.861	117.0694	108.7702	-0.13633	0.570729	0.051598	0.857016	-0.07296	0.879636
AT3G62090	PIF6	59.4452	48.17464	39.91728	35.05532	32.4609	40.87047	44.46517	36.68226	21.47741	46.05771	49.22236	51.79533	-0.43384	0.178411	-0.49006	0.154889	-0.00863	0.992275
AT3G62097	AT3G62097	0	0	0	0	0	0	0.889303	0	0	0	0	0	NA	NA	0.160764	NA	0.163234	NA
AT3G62100	IAA30	3.566712	1.784246	9.01358	6.186234	5.299738	2.990522	2.66791	3.23667	6.833722	5.757214	6.65167	5.179533	0.011468	0.989055	-0.15606	0.848936	0.163234	NA
AT3G62110	AT3G62110	569.485	503.1574	529.2259	249.099	288.8357	271.1407	263.2338	268.6436	289.9451	568.0511	457.6349	613.2567	-0.97631	3.62E-12	-0.95071	1.47E-11	0.033984	0.927445
AT3G62120	AT3G62120	1477.808	1423.828	1443.461	1300.759	1408.405	1300.877	1142.755	1345.376	1682.072	1307.847	1238.541	1354.962	-0.11436	0.506861	-0.05903	0.765594	-0.15308	0.870146
AT3G62130	LCD	274.6368	296.1848	306.4617	358.3891	323.284	351.8848	351.2749	333.377	295.8025	299.3751	372.4935	265.1921	0.234512	0.178084	0.195222	0.146949	0.088729	0.502435
AT3G62140	AT3G62140	109.3792	64.23286	105.5877	153.831	164.9544	147.5324	120.9453	131.6246	227.4653	102.6703	141.0154	116.0215	0.688192	0.011626	0.726408	0.009433	0.324285	0.509711
AT3G62150	ABC821	111.757	133.8185	74.68395	92.7935	70.884	134.7535	249.8943	299.9314	170.843	60.60099	74.4987	111.8779	-0.10088	0.793142	1.1126	0.000125	-0.23463	0.695977
AT3G62160	AT3G62160	13.07794	26.76369	23.17778	9.485558	11.26194	8.971567	8.003731	7.55223	8.786214	13.4335	14.63367	19.68222	-0.91394	0.034616	-1.13893	0.013666	-0.3201	NA
AT3G62170	VDH2	2.377808	14.27397	0	0	0	0	0	0	0	0	0	0	-1.72101	0.004834	-1.39477	0.028505	-0.43131	NA
AT3G62180	AT3G62180	1.188904	0	0	0.412416	0	0	0.996841	1.778607	0	0	0	0	-0.00504	NA	0.091237	NA	-0.03984	NA
AT3G62190	AT3G62190	248.4809	235.5205	289.7222	426.8501	460.4148	317.9922	383.2898	265.4069	374.8785	351.19	271.3881	313.8797	0.623675	0.002053	0.391435	0.079377	0.267513	0.456833
AT3G62200	AT3G62200	121.2682	80.29107	79.83457	74.64722	56.97129	98.68724	70.25498	88.46897	42.95482	52.77446	66.5167	63.1903	-0.29007	0.388567	-0.4623	0.171091	-0.57996	0.196471
AT3G62210	EDA32	0	1.784246	0	0	18.14629	13.24935	11.96209	15.11816	9.710009	8.786214	0	0	2.622434	2.69E-06	2.254175	0.000101	-0.35716	NA
AT3G62220	AT3G62220	141.4796	189.1301	140.3543	165.3786	164.9544	179.4313	141.3993	132.7035	112.2683	125.6992	123.7211	149.1705	0.122848	0.579072	-0.26364	0.229181	-0.2183	0.531312
AT3G62230	AT3G62230	0	0	0	0	0	0	0	0	0	0	0	0	0.16673	NA	0	NA	0	NA
AT3G62240	AT3G62240	351.9156	324.7328	302.5988	280.0302	246.4378	283.1028	295.2488	356.0337	215.7504	312.8086	313.9588	265.1921	-0.26926	0.189051	-0.1737	0.453237	-0.13299	0.73288
AT3G62245	AT3G62245	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G62250	RP527AC	1824.968	1841.342	1959.81	2620.901	2391.507	1978.729	1574.956	1589.205	2716.893	1								

AT3G62690	ATL5	85.60108	62.44861	66.95803	58.97543	56.97219	51.83572	83.59453	103.5734	106.4108	46.05771	61.19536	39.36445	-0.34765	0.189128	0.419736	0.114145	-0.55538	0.146425
AT3G62700	ABCC14	1897.491	1548.726	1247.377	527.4795	488.2384	564.2119	951.5547	1152.254	814.1892	1363.5	1343.637	1341.499	-1.53986	5.47E-21	-0.67282	0.000112	-0.20939	0.505619
AT3G62710	AT3G62710	0	0	0	0.412416	0	0	0.889303	0	0.976246	0.959536	0	0	0.059626	NA	0.334854	NA	0.176222	NA
AT3G62720	XXT1	140.2907	180.2088	133.9161	153.831	139.1181	180.4282	198.3147	272.9592	218.6791	117.0633	81.15037	109.8061	0.061259	0.824881	0.593998	0.005902	-0.52168	0.098222
AT3G62725	AT3G62725	7.133244	21.41095	19.31482	9.073143	9.937009	11.96209	8.893035	9.710009	3.694984	13.4335	3.991002	9.323159	-0.49894	0.361836	-0.84454	0.128784	-0.61581	NA
AT3G62730	AT3G62730	0	1.784246	0	1.496662	0	1.324935	0	0	0	0	0	0	0.292689	NA	-0.27367	NA	-0.26232	NA
AT3G62735	AT3G62735	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT3G62740	BGLU7	28.53369	30.33218	41.20494	21.03319	19.21155	13.95577	20.45398	12.94668	16.59618	39.34096	46.56169	40.40035	-0.78481	0.021424	-0.90369	0.013629	0.309191	0.612836
AT3G62750	BGLU8	1285.205	1488.061	1496.254	759.6695	736.0011	810.4316	1430.889	1226.698	1066.061	1526.621	1332.995	1719.605	-0.87545	9.69E-10	-0.19317	0.268736	0.101282	0.744238
AT3G62760	GSTF13	0	0	0	0.824831	0	0	0	0	0	0	0	0	0	0.173038	NA	0	NA	0
AT3G62770	ATG18A	242.5364	226.5992	195.7235	272.6067	263.662	253.1976	264.1231	272.9592	270.4201	186.1499	206.2018	164.7091	0.247674	0.126558	0.275841	0.104169	-0.25619	0.323403
AT3G62780	AT3G62780	10.70014	12.48972	25.75309	48.25262	40.4105	39.87363	13.33955	20.49891	20.50117	8.635821	10.64267	11.39497	1.277835	0.000583	0.108135	0.848492	-0.58645	0.425471
AT3G62790	AT3G62790	342.4043	330.0855	374.7074	536.9651	604.1702	418.6731	386.847	284.8269	613.0825	381.8952	525.4819	508.6301	0.551269	0.033405	0.281856	0.344926	0.414377	0.308194
AT3G62800	DBR4	122.4571	144.5239	130.0531	131.5606	153.0299	134.5735	135.1741	134.8612	123.007	148.728	151.6581	147.0987	0.083866	0.699778	-0.00585	0.981782	0.176782	0.596108
AT3G62810	AT3G62810	97.49012	115.976	97.86173	201.2588	145.7428	153.5135	107.6057	99.25787	217.7029	130.4968	190.2378	103.5907	0.649027	0.039893	0.421899	0.229181	0.41448	0.432844
AT3G62820	AT3G62820	141.4796	262.2842	209.8877	95.268	91.42048	66.78833	92.48756	102.4945	137.6507	204.3811	172.9434	177.14	-1.19908	4.07E-07	-0.83752	0.000769	-0.12776	0.810026
AT3G62830	UXS2	411.3608	390.7499	419.7753	493.249	429.2788	532.313	417.0833	442.3449	449.6732	534.0686	351.2082	287.982	0.244442	0.105105	0.095166	0.603959	-0.29782	0.180516
AT3G62840	AT3G62840	538.5735	606.6437	667.0049	997.2209	1180.517	805.4473	839.5025	636.5451	1245.69	635.2126	710.3983	703.3805	0.695628	0.002126	0.567041	0.017127	0.170664	0.709667
AT3G62850	AT3G62850	0	0	0	0.412416	0.662467	0	0	0	0	0	0	0	0.196313	NA	0	NA	0	0
AT3G62860	AT3G62860	54.68958	42.8219	60.51975	65.16166	56.97219	47.84836	64.02985	60.41784	64.43224	71.00564	83.81104	66.29802	0.10437	0.741933	0.229779	0.458632	0.439888	0.274581
AT3G62870	RPL7AB	2010.347	2212.465	2168.41	2202.299	2060.273	1906.956	1710.131	1741.328	1976.898	1654.239	1396.851	2214.768	-0.04906	0.822983	-0.23096	0.227323	-0.27308	0.310967
AT3G62880	OE1P64	60.6341	67.80135	64.38272	136.5096	140.4431	99.68408	88.93035	88.46897	116.1733	74.84378	91.79304	41.43626	0.930526	0.000546	0.577045	0.053991	0.094244	0.888867
AT3G62890	PCMP-H82	7.133244	12.48972	12.87654	20.62078	25.17376	18.93997	19.56468	16.18335	23.4299	15.35257	14.63367	24.86176	0.879008	0.039956	0.755539	0.106477	0.661345	0.348955
AT3G62900	AT3G62900	511.2287	437.1403	404.3235	320.0345	294.7979	377.8027	409.0796	482.2638	359.2585	396.2882	329.9228	395.7163	-0.44411	0.010678	-0.11371	0.603644	-0.26344	0.356638
AT3G62907	AT3G62907	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G62910	APG3	493.3951	635.1916	643.8272	510.5705	456.44	492.4393	584.2724	618.2039	455.9069	783.9406	784.897	678.5188	-0.27233	0.11802	-0.09202	0.665606	0.338926	0.165607
AT3G62920	AT3G62920	15.45575	8.92123	16.73951	16.73951	20.53649	11.96209	18.67537	8.63112	34.16861	6.716749	19.95501	17.61041	0.247987	0.673835	0.462082	0.423897	0.042059	0.976392
AT3G62930	GRX56	16.64466	28.54794	16.73951	18.5587	14.57428	21.9305	13.33955	8.63112	15.54867	22.06932	18.62468	14.50269	-0.1265	0.805884	-0.49355	0.310201	-0.10953	0.913471
AT3G62940	AT3G62940	312.6817	355.065	332.2148	390.1451	352.4326	333.9417	312.1455	357.1126	327.0424	382.8547	388.4575	349.1005	-0.115424	0.475226	-0.00266	0.989209	0.165237	0.512394
AT3G62950	GRXC11	84.41218	107.0548	97.86173	62.27475	46.37271	51.83572	52.46891	40.99782	68.33722	48.43914	91.79304	89.08796	-0.79507	0.000768	-0.79088	0.001548	-0.11288	0.836113
AT3G62960	GRXC14	0	0	0	7.42348	5.299738	1.993682	8.003731	2.15778	9.76246	0	0	0.1035907	1.596196	0.010294	1.837088	0.003271	0.079795	NA
AT3G62970	AT3G62970	185.469	196.2671	184.1346	224.3541	234.5134	205.3492	191.2002	200.6735	169.8686	249.4793	172.9434	205.1095	0.232818	0.222111	-0.00078	0.97269	0.156712	0.646732
AT3G62980	TIR1	1197.226	1275.736	1116.396	750.1839	638.6185	741.6495	680.3172	850.1653	609.1775	954.7379	854.0744	845.2997	-0.74053	2.36E-07	-0.73545	3.92E-07	-0.42745	0.031113
AT3G62988	AT3G62988	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT3G62990	AT3G62990	1.188904	0	0	0.412416	0	0	0	0	0	0	0	0	-0.132	NA	-0.21801	NA	-0.02578	NA
AT3G63000	NPL41	445.839	437.1403	431.3642	416.9521	387.5434	361.8532	440.2052	432.6349	427.5957	431.791	356.5295	443.368	-0.16542	0.259853	-0.01522	0.937233	-0.08826	0.752829
AT3G63003	AT3G63003	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G63006	AT3G63006	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT3G63010	GID1B	36.85602	30.33218	24.46543	106.8156	102.02	90.71251	103.1592	107.889	109.3396	18.23118	22.61568	30.04129	1.631647	5.08E-11	1.714041	9.29E-12	-0.35331	0.527211
AT3G63020	AT3G63020	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT3G63030	MBD4	46.36725	64.23286	57.94445	157.5427	143.0929	136.5672	73.81219	60.41784	118.1258	58.53167	54.54369	77.69299	1.326237	2.8E-07	0.562266	0.061506	0.182086	0.759637
AT3G63040	AT3G63040	1.188904	1.784246	1.287654	0	0	0	0	0	0	0	0	0	-0.79077	NA	-0.74528	NA	-0.73361	NA
AT3G63050	AT3G63050	4.755616	7.136984	2.575309	4.948987	1.987402	2.990522	6.225124	6.47334	8.786214	7.676285	9.312338	6.215499	-0.32558	0.683088	0.450767	0.515257	0.523879	NA
AT3G63052	AT3G63052	0	0	0	0	0	0	0.889303	0	0	0	0	0	0.160764	NA	0.160764	NA	0	NA
AT3G63060	EDL3	2.377808	8.92123	1.287654	14.43455	9.937009	11.96209	15.18167	7.55223	6.833722	0	1.330334	2.071813	1.254112	0.028626	0.985648	0.11511	-0.82888	NA
AT3G63070	AT3G63070	2953.261	472.8252	464.8432	330.7573	219.9391	384.7805	394.8505	480.106	228.4416	446.1841	345.8868	377.07	-0.68087	0.010433	-0.45232	0.119656	-0.37081	0.404582
AT3G63080	GPX5	240.1586	285.4794	287.1469	487.8876	577.6715	462.5341	305.0311	321.5092	483.2418	182.3118	210.1928	231.0072	0.89031	5.05E-06	0.439124	0.046667	-0.36984	0.263611
AT3G63088	RTFL14	0	1.784246	1.287654	0.824831	0.662467	0	0	2.15778	2.928738	0.995936	1.330334	3.10772	-0.26807	0.720714	0.290218	0.710603	0.337674	NA
AT3G63090	AT3G63090	57.06739	58.88012	73.3963	91.14384	96.72022	88.71883	66.69776	70.12785	74.1947	62.36982	42.57069	60.08258	0.528115	0.023575	0.154527	0.635493	-0.17803	0.721015
AT3G63095	AT3G63095	8.322328	5.352738	6.438272	1.237247	1.324935	0	0	0	0.972466	0	0	0	-1.69526	0.005075	-1.90755	0.002049	0.398755	NA
AT3G63110	IPT3	166.4466	165.9349	178.984	83.30795	92.08295	82.73778	72.92289	48.55005	68.33722	120.9015	137.0244	131.5601	-0.36393	8.36E-08	-1.38236	0.406149	-0.38838	0.175552
AT3G63120	CYCU3-1	260.37	228.3835	274.2704	152.1813	166.2793	151.5198	127.1704	131.6246	152.9444	279.2249	235.4691	232.0431	-0.69242	1.05E-05	-0.88165	5.02E-08	-0.03273	0.937457
AT3G63130	RANGAP1	267.5034	271.2054	274.2704	184.3498	202.0525	207.3429	167.0667	189.8846	214.7741	230.2886	227.4871	238.2585	-0.40196	0.012518	-0.47615	0.004212	-0.16984	0.567409
AT3G63140	CSF41A	2749																	

AT4G00050	UNE10	175.9578	210.541	160.9568	166.6159	158.9921	117.6272	94.26617	93.86342	74.1947	165.0401	175.6041	141.9192	-0.27449	0.210505	-1.02131	5.71E-07	-0.17181	0.664886
AT4G00060	MEE4A	483.8839	520.9998	430.0766	372.8237	335.8709	420.6668	425.0871	455.2916	280.1826	452.9008	564.0616	364.6391	-0.33553	0.142196	-0.2958	0.226814	-0.05392	0.919771
AT4G00070	AT4G00070	1.188904	1.784246	1.287654	1.649662	2.649869	0	0.889303	1.07889	0.976246	6.716749	2.660668	1.035907	0.032512	0.969723	-0.19804	0.815424	0.665872	0.91
AT4G00080	UNE11	0	0	0	0	0	0	0	0	0.976246	0	0	0	0	NA	0.16673	NA	0	NA
AT4G00085	AT4G00085	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	NA	#N/A	#N/A	#N/A	NA
AT4G00090	AT4G00090	170.0133	178.4246	160.9568	218.9927	202.715	202.3587	180.5286	194.2002	183.5342	179.4332	127.7121	171.9605	0.294789	0.098871	0.131748	0.540923	-0.07268	0.858201
AT4G00100	RP513B	1513.475	1561.215	1623.732	1889.276	1846.959	1676.686	1281.486	1292.51	1983.732	1572.679	1217.256	1693.707	0.199973	0.349088	-0.04279	0.827278	-0.06504	0.882728
AT4G00110	GAE3	68.95643	60.66437	63.09506	43.71605	38.4231	36.88311	33.79353	33.44559	41.00233	47.01725	38.57969	47.65117	-0.65499	0.10637	-0.79776	0.003375	-0.50444	0.214789
AT4G00114	AT4G00114	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT4G00120	IND	0	0	0	0	0.662467	0	0	0	0	0	1.330334	0	0.101524	NA	0	NA	0.179327	NA
AT4G00124	AT4G00124	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G00130	AT4G00130	13.07794	7.136984	9.01358	2.886909	7.949607	4.984204	7.114428	7.55223	5.857476	7.676285	14.63367	3.10772	-0.72002	0.220593	-0.40526	0.547818	-0.20457	NA
AT4G00140	EDA3A	1.188904	5.352738	0	2.062078	0	1.993682	2.66791	0	1.952492	3.838143	2.660668	3.10772	-0.24697	0.755808	-0.137	0.875536	0.361179	NA
AT4G00150	SLC6	142.6685	133.8185	108.163	117.9509	115.2693	107.6588	80.03731	100.3368	81.02842	101.7108	94.45371	94.26749	-0.16231	0.470466	-0.54582	0.090932	-0.3911	0.208704
AT4G00160	AT4G00160	0	1.784246	1.287654	0.824831	0.662467	0.996841	1.778607	3.23667	0	0	0	0	-0.08299	0.916889	0.286486	0.704922	-0.11544	NA
AT4G00165	AT4G00165	170.0133	135.6027	187.9975	166.6159	180.8536	124.6051	176.8211	192.0424	328.9949	251.3983	211.5231	165.745	-0.0619	0.860388	0.469204	0.107942	0.327481	0.487193
AT4G00170	PVA13	175.9578	155.2294	172.5547	212.394	247.7628	211.3302	224.9938	201.7524	243.0853	200.5429	174.2738	215.4686	0.4014	0.018943	0.398654	0.026656	0.222862	0.462053
AT4G00180	YAB3	222.325	219.4623	205.617	192.5981	190.1281	152.5166	178.75	174.7802	173.7718	221.6527	218.1748	226.8635	-0.263	0.112033	-0.29681	0.008994	0.036533	0.927039
AT4G00190	PME38	0	0	0	0	0	0	1.07889	0	0	1.330334	0	0	0	NA	0.160793	NA	0.184979	NA
AT4G00200	AHL7	34.47821	24.97944	28.3284	58.56301	54.98478	54.82624	42.68657	34.52448	35.14486	32.62421	51.88302	37.29264	0.872566	0.002729	0.31461	0.392981	0.399973	0.457847
AT4G00210	LBD31	1.188904	3.568492	2.575309	0.824831	0.662467	0.996841	0	3.23667	0	0	0	3.10772	-0.56098	0.414831	-0.44447	0.544784	-0.42511	NA
AT4G00220	LBD30	2.377808	8.92123	6.438272	2.886909	3.312336	2.990522	1.778607	3.23667	0.976246	3.838143	5.321336	1.035907	-0.57886	0.399163	-0.91827	0.182341	-0.5014	NA
AT4G00225	AT4G00225	0	0	0	0	0	0	0.889303	0	0	1.330334	0	0	0	NA	0.141773	NA	0.183636	NA
AT4G00230	SBT4.14	77.27876	94.56504	126.1901	92.38109	62.93439	56.81992	66.69776	92.78453	61.5035	123.7801	143.6761	79.7648	-0.44507	0.158031	-0.40925	0.227702	0.204089	0.732624
AT4G00231	MEE50	155.7464	157.0137	122.3272	94.44317	107.3197	133.5767	109.3843	147.8079	111.292	124.7396	89.13238	120.1652	-0.37541	0.11145	-0.23208	0.388147	-0.35638	0.336105
AT4G00232	AT4G00232	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G00234	AT4G00234	11.88904	7.136984	9.01358	14.846696	13.24935	15.94945	11.56095	15.10446	11.71495	11.51443	1.330334	13.46678	0.515902	0.330214	0.338732	0.578197	-0.05204	NA
AT4G00236	AT4G00236	0	0	1.287654	0	0.662467	0	0	0	0	0	0	0	-0.08303	NA	-0.19962	NA	-0.19582	NA
AT4G00238	AT4G00238	204.4915	189.1301	173.8333	188.4739	212.652	175.444	154.7388	170.4646	240.1565	193.8262	184.9164	174.0323	0.024199	0.928601	-0.00678	0.980879	-0.03737	0.942826
AT4G00240	PLDBETA2	34.47821	30.33218	16.73951	47.01538	33.78583	46.85152	24.9005	35.60337	24.40615	31.66468	25.27635	29.00538	0.605308	0.083055	0.046799	0.925872	0.078988	0.928827
AT4G00250	AT4G00250	1.188904	1.784246	2.575309	2.886909	4.637271	7.94726	3.557214	4.31556	8.86214	1.919071	1.330334	1.035907	0.815538	0.220765	0.925386	0.179155	-0.17782	NA
AT4G00260	REM15.15	1.188904	3.568492	1.580617	6.186234	5.962205	0.996841	3.557214	2.15778	3.904984	5.757214	3.991002	8.287252	-0.321847	0.66186	-0.02324	0.978758	0.580907	NA
AT4G00270	AT4G00270	234.2141	242.6575	243.3667	307.713	292.8105	255.1912	299.6953	292.3792	405.1421	204.3811	175.6041	235.1508	0.240411	0.225896	0.46058	0.014936	-0.21727	0.517788
AT4G00280	AT4G00280	0	0	0	1.649662	1.987402	0	0.889303	0	0	0	0	0	0.606536	NA	0.137963	NA	0	NA
AT4G00290	MSL1	168.8244	153.4452	187.9975	218.1678	219.9391	211.3302	163.6318	157.5179	180.6055	137.2136	135.6941	146.0628	0.337845	0.0379	-0.03023	0.896994	-0.28489	0.292233
AT4G00300	AT4G00300	615.8522	629.8388	549.8284	451.1826	482.2762	630.0034	508.6816	550.2339	683.3722	428.9124	482.9112	487.912	-0.20022	0.298292	-0.04175	0.86395	-0.352	0.181229
AT4G00305	AT4G00305	2.377808	3.568492	1.287654	0.824831	1.324935	1.993682	5.57214	2.15778	2.928738	0	0	0.1035907	-0.40507	0.589271	0.219309	0.797774	-0.84464	NA
AT4G00310	MEE46	22.58917	28.54794	36.05432	31.756	28.48609	20.93366	26.6791	31.28781	47.83605	24.94793	15.96401	36.25673	-0.06952	0.887218	0.255815	0.579127	-0.13909	0.874312
AT4G00315	AT4G00315	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G00320	AT4G00320	0	0	1.287654	0	0.662467	0	0	0	0	0.995362	0	0	-0.10175	NA	-0.22303	NA	-0.04106	NA
AT4G00330	CRK2	595.6409	685.1505	627.0877	685.4347	771.7744	779.5295	795.9266	878.2164	776.1156	530.6232	718.3803	505.5224	0.226304	0.182049	0.357019	0.031332	-0.12084	0.701308
AT4G00335	RHB1A	112.9459	135.6027	126.1901	145.1703	156.3423	136.5672	124.5025	120.8357	140.5794	101.7108	111.7481	95.3034	0.233283	0.239136	0.050482	0.846352	-0.26939	0.409163
AT4G00340	RLK4	349.5378	385.3971	310.3247	232.19	182.1785	224.8292	298.806	356.0337	274.3251	322.404	307.3071	279.6948	-0.69248	2.33E-05	-0.16423	0.419923	-0.19291	0.528933
AT4G00342	AT4G00342	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT4G00350	AT4G00350	1.188904	0	0	0	0	0	0	1.07889	0	0	1.330334	1.035907	-0.29834	NA	-0.04417	NA	0.166611	NA
AT4G00355	AT4G00355	400.6606	467.4725	502.1852	633.8827	635.3061	636.9813	539.8072	537.2872	658.966	395.3287	365.8418	483.7683	0.470332	0.002473	0.373499	0.044401	-0.13228	0.671174
AT4G00356	AT4G00356	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G00360	CYP86A2	621.7968	711.9142	602.6222	292.4026	270.2866	360.8564	257.898	422.9249	529.1253	582.4381	439.0102	530.3841	-1.03143	4.19E-06	-0.65403	0.006173	-0.30525	0.44794
AT4G00370	PHT4	659.8417	715.4827	650.2654	473.4531	494.8631	491.4425	533.5821	568.575	491.0517	646.727	647.8726	671.2674	-0.46735	0.00002	-0.34142	0.003441	-0.0397	0.880921
AT4G00380	FDM2	137.9129	90.99655	109.4506	42.4788	35.77323	43.86099	27.56841	60.41784	41.97858	36.35821	94.45371	79.7648	-1.41183	3.45E-08	-1.33447	5.46E-07	-0.37334	0.404462
AT4G00390	AT4G00390	3.566712	12.89912	9.01358	4.948987	5.962205	1.993682	4.446517	3.23667	10.73871	1.919071	3.991002	11.39497	-0.59378	0.366807	-0.27007	0.727145	-0.33051	NA
AT4G00400	GPAT8	487.4506	594.1539	442.9531	253.6356	252.4	299.0522	235.6654	255.6969	227.4653	450.0222	506.8572	420.5781	-0.90697	1.02E-09	-1.06175	2.09E-12	-0.14063	0.637513
AT4G00413	AT4G00413	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G00416	MBD3	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G00420	AT4G00420	156.9353	167.7191	181.5593	208.2699	227.8887	205.3492	168.9677	149.9657	164.9856	209.1788	258.0848	214.4327	0.337274	0.046791	-0.06146	0.7933	0.416072	0.074912
AT4G00430	PIP1.4	2304.096	2307.03	2386.023															

AT4G00880	AT4G00880	391.1494	356.8492	466.1309	287.8661	303.41	251.2039	399.2973	266.4858	408.0708	589.1549	646.5423	563.5332	-0.51496	0.006227	-0.17369	0.445834	0.551316	0.021706	
AT4G00885	MIR165B	0	0	0	0.412416	0	0	0.889303	0	0	0	0	0	0.066177	NA	0.148539	NA	0.168189	NA	
AT4G00890	AT4G00890	8.322328	7.136984	7.752926	2.062078	0.662467	3.987363	3.557214	4.31556	2.928738	4.797678	5.321336	4.143626	-1.30657	0.027171	-0.79328	0.229553	-0.52183	NA	
AT4G00891	AT4G00891	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT4G00893	AT4G00893	1.188904	1.784246	2.575309	0	1.324935	0.996841	0	2.15778	0.976246	1.919071	2.660668	4.143626	-0.55338	0.438423	-0.34048	0.667236	0.359202	0	
AT4G00895	AT4G00895	477.9394	458.5512	451.9667	512.6326	571.7093	419.67	680.3172	575.0483	1288.645	569.0046	790.2184	609.113	0.110552	0.740093	0.83378	0.00151	0.478667	0.239452	
AT4G00900	ECA2	222.325	158.7979	133.9161	104.7536	98.04516	129.5893	180.5286	186.648	118.1258	160.2424	121.0604	135.7038	-0.61909	0.01276	-0.08704	0.79599	-0.29252	0.508138	
AT4G00905	AT4G00905	28.53369	16.05821	29.61605	16.90904	15.23675	17.94313	16.89677	11.86779	12.6912	30.70514	31.92802	26.93357	-0.55189	0.153202	-0.77166	0.060031	0.219928	0.769636	
AT4G00910	ALMT10	2.377808	1.784246	1.287654	1.237247	1.987402	0	0	0	0.976246	0	1.330334	0	-0.21657	0.772305	-0.66471	0.309588	-0.61275	NA	
AT4G00920	AT4G00920	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	0	0	0	0.172362	NA	
AT4G00930	CIP4.1	191.4135	157.0137	139.0667	117.5384	131.831	131.583	143.1779	152.1235	116.1733	156.4043	138.3547	146.0628	-0.35782	0.07108	-0.24401	0.273209	-0.14271	0.712278	
AT4G00940	DOF4.1	30.9115	33.90067	27.04074	41.65397	41.07297	33.89259	58.69403	48.55005	40.02609	29.7456	47.89202	23.82585	0.338188	0.345681	0.645464	0.061384	0.113468	0.883453	
AT4G00950	MEE47	222.325	262.2842	266.5444	233.8396	262.9995	226.2829	241.8905	173.7013	312.3987	313.7682	460.2956	282.8025	-0.05069	0.871533	-0.04027	0.9046	0.472662	0.184116	
AT4G00955	AT4G00955	63.01191	87.42806	90.1358	237.139	231.8635	233.2607	85.37313	67.97007	64.43224	62.36982	53.21336	66.29802	1.522887	1.42E-15	-0.12375	0.670578	-0.36915	0.323403	
AT4G00960	AT4G00960	16.64466	12.48972	16.73951	32.99325	33.78583	30.90206	10.67164	8.63112	13.66744	15.35257	10.64267	10.35907	0.9952	0.008888	-0.42724	0.39497	-0.29556	0.72969	
AT4G00970	CRK41	256.8033	322.9485	236.9284	270.1322	300.0977	340.9195	345.9391	310.7203	344.6148	197.6643	223.4961	188.535	0.157356	0.411868	0.299118	0.104944	-0.40792	0.099307	
AT4G00975	AT4G00975	0	1.784246	0	0	0	0	0	0	0	0.995936	1.330334	0	-0.3228	NA	-0.28766	NA	0.130533	NA	
AT4G00980	AT4G00980	20.21137	30.33218	16.73951	22.27044	17.22415	27.91154	23.12189	25.89336	15.61994	17.27164	33.25835	20.71813	0.014032	0.979054	-0.02654	0.962791	0.077802	0.938531	
AT4G00985	AT4G00985	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT4G00990	AT4G00990	357.8601	281.9109	275.558	240.4383	242.463	286.0933	317.4813	294.537	233.3228	312.8086	280.7005	297.3052	-0.25662	0.17305	-0.11619	0.602872	-0.04097	0.926932	
AT4G01000	AT4G01000	932.1007	997.3935	867.879	1042.174	1132.157	991.8566	932.8794	1047.602	1255.452	817.5244	875.3598	830.797	0.178655	0.242371	0.208623	0.184293	-0.154587	0.517599	
AT4G01010	CNGC13	117.7015	123.113	95.28642	270.1322	232.526	318.989	321.0386	324.7459	208.9166	57.5214	91.79304	78.7289	1.24359	3.37E-08	1.301025	9.15E-09	-0.53988	0.152501	
AT4G01020	AT4G01020	243.7253	199.8356	157.0938	95.68041	88.77061	114.6367	128.949	176.938	99.57709	165.9997	145.0064	120.1652	-0.97413	4.34E-05	-0.54886	0.035388	-0.45974	0.226969	
AT4G01023	AT4G01023	0	0	0	0.412416	0.662467	0.996841	0	0	0	0	0	0	0.410231	NA	0	NA	0	NA	
AT4G01026	PYL7	222.325	287.2636	279.421	239.201	258.3622	294.068	321.0386	292.3792	317.2799	315.6872	344.5565	304.5565	0.002757	0.990376	0.24211	0.175541	0.288993	0.24294	
AT4G01030	PCMP-56	52.31177	71.36984	45.0679	18.97112	20.53649	19.93682	26.6791	35.60337	20.50117	34.54328	43.90102	37.29264	-1.39339	2.51E-06	-0.9504	0.002595	-0.5016	0.30562	
AT4G01037	WTF1	444.6501	403.2396	432.6519	443.3467	499.5003	429.6384	486.449	496.2894	781.973	328.1612	335.2442	400.8958	0.096584	0.692623	0.449854	0.029825	-0.26078	0.448737	
AT4G01040	AT4G01040	216.3805	249.7944	258.8185	193.0105	188.1407	195.3808	234.7761	225.488	162.058	260.0342	280.7005	238.2585	-0.32185	0.082365	-0.21261	0.307268	0.102157	0.786163	
AT4G01050	STR4	5832.763	5174.313	4929.141	2519.447	2668.418	2816.075	2938.259	2977.736	2897.498	5098.013	6269.864	6741.344	-0.98304	1.21E-15	-0.84503	1.01E-11	-0.104764	0.967712	
AT4G01060	ETC3	4.755616	0	2.575309	3.299255	3.312336	1.993682	0.889303	1.07889	3.904984	2.878607	5.321336	6.215439	0.079532	0.925548	-0.23611	0.780446	0.516345	NA	
AT4G01070	UG7Z21	546.8958	497.8046	476.4321	465.2048	466.377	373.8153	347.7177	363.5859	566.2227	465.3748	443.0012	510.7019	-0.21265	0.335263	-0.24606	0.280887	-0.09751	0.823473	
AT4G01080	TBL26	52.31177	46.3904	59.2321	14.43455	7.28714	13.95577	20.49891	20.50117	75.80331	89.13238	54.90305	0	-1.96764	4.09E-10	-1.34809	3.55E-05	-0.445262	0.368615	
AT4G01090	AT4G01090	279.3924	317.5958	240.7914	263.5336	248.4252	315.9985	283.6878	243.8291	217.7029	269.6295	279.3701	258.9766	-0.0168	0.944242	-0.15801	0.455172	-0.04625	0.914481	
AT4G01100	ADN1T	687.1865	578.0957	754.5654	668.1132	527.9864	636.9813	559.3719	623.5984	485.1943	619.86	518.8302	594.6103	-0.14004	0.460211	-0.27488	0.130245	-0.21811	0.441571	
AT4G01110	AT4G01110	5.94452	8.92123	7.725926	10.7228	11.26194	5.981045	7.114428	5.39445	11.71495	11.51443	11.97301	8.287252	0.294599	0.625924	0.093213	0.989199	0.401002	NA	
AT4G01120	GBF2	261.5589	239.089	334.7901	228.4782	245.7754	256.1881	240.1119	233.0402	287.0163	262.9128	271.3881	310.8772	-0.19966	0.29489	-0.13873	0.516415	0.011248	0.982852	
AT4G01130	AT4G01130	126.0238	142.7397	137.779	111.3522	124.5438	110.6493	207.2077	179.0957	134.7219	142.9708	129.0424	168.7528	-0.22026	0.346578	-0.354083	0.120805	0.121569	0.784341	
AT4G01140	AT4G01140	10.70014	3.568492	3.862963	0.824831	0	1.993682	2.66791	1.07889	1.952492	5.757214	3.991002	4.143626	-1.59504	0.010265	-1.03272	0.128892	-0.27463	NA	
AT4G01150	CURT1A	8174.904	8548.323	9343.22	4383.153	5287.814	3779.023	5873.849	4809.691	10528.81	10249.96	10789.01	12403.94	-0.28155	0.000111	-0.28555	0.314829	0.345496	0.398983	
AT4G01160	AT4G01160	0	0	0	0.412416	0.662467	0	0	0	0	0	0	0	0.192415	NA	0	NA	0.380906	NA	
AT4G01170	AT4G01170	2.377808	1.784246	1.287654	0.824831	3.974804	0.996841	0.889303	1.07889	3.904984	2.878607	1.330334	1.035907	0.031948	0.970336	0.044215	0.960955	-0.01697	NA	
AT4G01180	AT4G01180	14.26685	8.92123	14.1642	4.948987	2.649869	10.96525	0.889303	5.39445	0.976246	8.635821	7.982004	3.10772	-0.82886	0.161127	-1.63019	0.005686	-0.71567	NA	
AT4G01190	PIPSK11	26.15589	23.1952	33.47901	29.69392	26.49869	26.9147	15.1818	11.86779	13.66744	19.19071	22.61568	32.1131	0.007579	0.98771	-0.92337	0.018548	-0.15919	0.845503	
AT4G01210	AT4G01210	467.2393	447.8458	374.7073	323.3338	276.9113	367.8342	295.2488	370.0592	336.8049	403.9645	400.4305	412.2908	-0.41072	0.011083	-0.35906	0.036342	-0.08161	0.817365	
AT4G01220	MGP4	120.0793	105.2705	97.8613	79.59621	100.0326	77.75358	81.81592	79.83786	98.60085	111.3061	85.14137	95.98024	-0.3199	0.172473	-0.30489	0.230984	-0.18431	0.617258	
AT4G01230	RTNLB7	4.755616	7.136984	0	1.649662	5.622025	3.987363	4.446517	2.15778	1.952492	4.797678	2.660668	3.10772	-0.00209	0.998498	-0.22462	0.790812	-0.04626	NA	
AT4G01240	AT4G01240	0	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	0.160764	NA	0	NA	
AT4G01245	AT4G01245	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA	
AT4G01250	WRKY22	10.70014	19.62671	25.75309	21.85803	28.48609	38.87679	48.91169	29.13003	52.71728	15.35257	13.30334	18.64632	0.573828	0.171719	1.115179	0.004858	-0.1969	0.834756	
AT4G01260	AT4G01260	0	0	0	0	0	0	0	0.889303	0	0.976246	0	0	0	0	0	0	0	0	0
AT4G01265	AT4G01265	1.188904	0	0	0.412416	0.662467	0.996841	0	1.07889	0.976246	2.878607	0	0	0.093223	NA	0.102011	NA	0.266393	NA	
AT4G01270	AT4G01270	26.15589	26.76369	28.3284	30.10634	36.4357	31.8989	20.45398	31.28781	29.28738	39.34096	34.58868	39.36445	0.25164	0.495596	-0.01618	0.97269	0.45135	0.409163	
AT4G01280	RVES	141.4796	183.7773	166.1074	220.6423	215.9														

AT4G01680	MYB55	55.87849	35.68492	65.67037	37.94223	37.09817	38.87679	21.34328	18.34113	16.59618	39.34096	42.57069	49.72351	-0.46242	0.12676	-1.39147	6.8E-06	-0.26469	0.633705
AT4G01690	PPOX1	1574.109	1723.582	1697.128	1054.134	935.4038	1161.32	1132.973	1234.25	990.8897	1636.968	1213.265	1595.296	-0.65495	1.18E-05	-0.56361	0.000246	-0.16357	0.564162
AT4G01700	AT4G01700	55.87849	73.15409	70.82099	238.7886	196.0903	232.2639	93.37687	119.7568	102.5058	50.85539	49.22236	37.29264	1.704372	2.8E-17	0.642046	0.006054	-0.56698	0.178573
AT4G01703	AT4G01703	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G01710	ARCS5	51.12287	78.50683	64.38272	118.7757	90.09555	86.72515	67.58076	61.49673	106.4108	61.41028	78.4897	61.11849	0.605004	0.030982	0.280874	0.402255	0.055441	0.939955
AT4G01720	WRKY47	65.38972	42.82119	28.3284	165.3786	135.1433	165.7806	104.6523	60.52725	20.15025	21.28534	22.78994	1.640562	2.34E-09	0.758608	0.0014929	-0.99421	0.021722	
AT4G01730	PAT18	74.90095	71.36984	77.25926	116.3012	107.9822	104.6683	88.04104	89.54786	87.86214	96.9131	89.13238	91.15977	0.546158	0.006516	0.23516	0.34015	0.299448	0.399333
AT4G01735	AT4G01735	0	0	1.287654	0.824831	0.662467	0.0	0.889303	0.976246	0	0	0	0	0.068954	NA	0.105952	NA	-0.25974	NA
AT4G01740	AT4G01740	48.74506	58.88012	47.64321	70.93548	86.12075	91.70935	44.46517	45.31338	31.23987	39.34096	37.24935	24.86176	0.655613	0.015136	-0.32903	0.326754	-0.56778	0.208946
AT4G01750	RGXT2	39.23383	69.5856	51.50617	193.8353	181.516	214.3208	144.0672	140.2557	123.9832	28.78607	34.58868	26.93357	1.852562	9.96E-19	1.335079	1.37E-09	-0.75438	0.037815
AT4G01760	AT4G01760	0	0	0.662467	0	0	0.889303	0	0.976246	0	0	0	0	0.079096	NA	0.339943	NA	0.392376	NA
AT4G01770	RGXT1	0	3.568492	2.575309	7.011065	1.987402	3.987363	4.446517	3.23667	4.88123	0	2.660668	2.071813	0.689897	0.318764	0.608524	0.414745	-0.16657	NA
AT4G01780	AT4G01780	14.26685	16.05821	14.1642	8.660727	5.962205	5.981045	6.225124	6.47334	8.786214	17.27164	7.982004	11.39497	-0.88514	0.068824	-0.85563	0.105167	-0.19988	NA
AT4G01790	AT4G01790	15.45575	24.97944	16.73951	34.64291	39.74804	22.92734	19.56468	19.42002	39.04984	12.47396	10.64267	26.93357	0.715032	0.10174	0.411339	0.418926	-0.13102	0.89957
AT4G01800	SECA1	231.8363	235.1636	210.1452	1020.729	897.6432	1213.155	1641.654	1935.529	1318.809	5312.481	2197.712	6284.174	-1.0946	7.75E-13	-0.34858	0.045929	0.00523	0.990831
AT4G01810	AT4G01810	555.2181	340.791	373.4198	287.0412	347.7953	414.6858	385.0684	413.2148	304.5888	355.9877	329.9228	391.5727	-0.27609	0.244892	-0.20183	0.441463	-0.23294	0.557232
AT4G01820	ABC83	1.188904	0	0	0.412416	0	1.993682	1.778607	0	0	0	1.330334	1.035907	0.131516	NA	0.079119	NA	0.141956	NA
AT4G01830	ABC85	1.188904	3.568492	1.287654	0.412416	0.662467	0.996841	1.778607	0	0	0.995936	0	1.035907	-0.55128	0.416414	-0.54053	0.438565	-0.49319	NA
AT4G01840	TPK5	86.78999	67.80135	63.09506	58.56301	62.93439	52.83256	90.70896	64.7334	68.33722	62.36982	70.5077	67.33392	-0.3099	0.241693	0.036795	0.951104	-0.12794	0.812628
AT4G01850	SAM2	2451.52	2683.506	2494.186	2436.964	2237.814	2519.017	2120.989	2383.268	2116.501	2463.128	2914.762	1993.084	-0.0832	0.645652	-0.20137	0.234326	-0.04934	0.887115
AT4G01860	AT4G01860	305.5483	281.9109	294.8728	211.1568	209.3397	267.1533	227.6617	309.6414	169.8668	252.3579	244.7815	234.1149	-0.35692	0.103785	-0.31412	0.182296	-0.26439	0.471105
AT4G01865	AT4G01865	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G01870	AT4G01870	74.90095	53.52738	55.36914	153.4186	129.8436	185.4124	191.2002	214.6991	163.0331	48.93632	54.54369	40.40035	1.278873	1.19E-08	1.556281	2.93E-12	-0.35759	0.427403
AT4G01880	AT4G01880	134.3461	123.113	139.0667	147.2324	137.7932	155.5072	175.1928	153.2024	183.5342	135.2945	114.4087	151.2424	0.139628	0.51049	0.357465	0.069277	0.01725	0.974377
AT4G01883	AT4G01883	391.1494	426.4348	455.8052	329.52	360.3822	284.0996	363.7251	331.2192	383.0028	501.8371	590.6683	632.9389	-0.427	0.000822	-0.34856	0.043499	0.37943	0.093062
AT4G01890	AT4G01890	0	0	0	0	0	0	1.778607	0	0.976246	0	0	0	0	NA	0.449696	NA	0	NA
AT4G01895	AT4G01895	3.566712	5.352738	11.58889	27.63184	31.79843	27.91154	23.12189	24.81447	29.28738	5.757214	10.64267	9.323159	1.764647	2.56E-05	1.588659	0.00029	0.18741	0.866179
AT4G01897	AT4G01897	139.1018	187.3458	168.6827	197.1346	222.589	201.3618	195.6468	152.1235	284.0876	280.1844	243.4511	232.0431	0.321543	0.188975	0.37478	0.174351	0.596951	0.052807
AT4G01900	GLB1	269.8812	285.4794	301.3111	294.467	293.473	246.2197	232.1082	210.3835	327.926	342.5542	470.9382	339.7773	-0.03414	0.911128	-0.0681	0.828386	0.412097	0.237341
AT4G01910	AT4G01910	11.88904	16.05821	14.1642	27.63184	31.13596	28.90838	16.00746	16.18335	13.66744	15.32527	11.97301	10.35907	0.980123	0.011058	0.117873	0.835915	-0.1182	0.907842
AT4G01915	AT4G01915	128.4016	140.9554	140.3543	149.7069	204.0399	145.5388	238.3333	178.0168	234.299	217.0633	111.7481	155.386	0.279724	0.238317	0.652203	0.00292	-0.08425	0.870094
AT4G01920	AT4G01920	46.36725	41.03766	32.19136	58.97543	62.93439	70.7757	24.01119	28.05114	18.54867	21.10978	14.63367	25.89766	0.653721	0.027188	-0.71013	0.037381	-0.85999	0.056905
AT4G01925	AT4G01925	2.377808	3.568492	0	8.660727	6.624673	7.97476	1.778607	0	0.976246	0	1.330334	0	1.40205	0.026537	-0.40426	0.610729	-0.66607	NA
AT4G01930	AT4G01930	1.188904	3.568492	1.287654	1.649662	0	1.993682	2.66791	0	0	0.995936	2.660668	2.071813	-0.26701	0.730045	-0.37063	0.623067	-0.00619	NA
AT4G01935	AT4G01935	146.2352	133.8185	151.9432	129.4985	152.3675	135.5703	162.7425	126.2301	119.102	200.5429	219.5051	137.7756	-0.05355	0.849683	-0.08051	0.788031	0.349807	0.31531
AT4G01940	NIFU1	337.6487	390.7499	394.0222	498.6104	529.3114	445.5788	607.3943	555.6283	798.5692	523.9065	456.3046	618.4362	0.387267	0.038478	0.790235	6.96E-06	0.502524	0.038682
AT4G01950	GPAT3	135.535	140.9554	155.8062	103.1039	113.9444	195.3808	192.0896	240.5925	231.3703	156.4043	166.2917	157.4578	-0.08778	0.77501	0.595197	0.015848	0.143865	0.777639
AT4G01960	AT4G01960	231.8363	251.5787	270.4074	334.0566	373.6315	292.0743	367.2823	327.9825	408.0708	259.0746	259.4151	264.1562	0.406002	0.10738	0.542663	0.000611	0.054007	0.887443
AT4G01970	RF54	2.377808	5.352738	0	0.824831	1.987402	0.996841	4.446517	6.47334	3.904984	1.919071	2.660668	2.071813	-0.49471	0.49976	0.667207	0.362671	-0.06476	NA
AT4G01975	AT4G01975	8.322328	1.784246	6.438272	0.824831	2.649869	1.993682	2.66791	4.31556	0	2.878607	5.321336	8.287252	-1.02643	0.114449	-0.78525	0.267709	-0.03133	NA
AT4G01980	AT4G01980	2.377808	3.568492	2.575309	1.237247	1.324935	0	2.66791	3.23667	2.928738	6.716749	0	2.071813	-0.73217	0.293224	0.056817	0.949656	0.097648	NA
AT4G01985	AT4G01985	2.377808	3.568492	1.287654	0.824831	0	3.987363	0.889303	0	0	0	0	0	-0.24417	0.741986	-0.81035	0.202726	-0.9739	NA
AT4G01990	AT4G01990	55.87849	57.09587	63.09506	73.82239	72.8714	84.73147	81.81592	83.07453	96.64835	88.27728	78.4897	59.04667	0.367064	0.148117	0.546825	0.03128	0.342272	0.410201
AT4G01995	AT4G01995	219.9472	198.0513	181.5593	204.9705	189.4656	169.4629	278.352	227.6458	285.0638	268.67	303.3161	269.3357	-0.08057	0.701642	0.392771	0.026563	0.47491	0.033162
AT4G02000	AT4G02000	7.133424	6.052738	7.725926	5.361402	5.962205	8.971567	6.225124	7.55223	3.904984	2.878607	6.65167	9.323159	-0.04314	0.935837	-0.16119	0.832362	-0.0996	NA
AT4G02005	AT4G02005	63.01191	60.66337	52.79383	59.80026	86.12075	70.7757	120.056	80.91675	71.26596	60.60099	78.4897	101.5188	0.272364	0.375713	-0.59931	0.037889	0.536356	0.199817
AT4G02010	AT4G02010	329.3264	248.0102	256.2432	124.5495	117.9192	151.5198	147.6244	168.3068	109.3366	182.3118	211.5231	191.6427	-1.06675	1.97E-08	-0.95168	1.2E-06	-0.50429	0.070998
AT4G02020	EZA1	442.2723	471.041	436.5148	379.837	329.2462	464.5278	465.1057	503.8416	294.8263	491.2822	500.2056	416.4344	-0.19849	0.403558	-0.09182	0.741489	0.0595	0.905042
AT4G02030	AT4G02030	279.3924	274.7739	261.3938	287.4537	284.8609	331.948	312.1455	312.8781	178.653	276.3463	279.3701	293.1615	0.142148	0.557949	-0.0207	0.943987	0.056396	0.910629
AT4G02040	AT4G02040	11.88904	21.41095	21.89012	16.49662	20.53649	14.95261	18.67537	19.42002	21.40615	18.23118	25.27635	20.71813	-0.0531	0.919392	0.181244	0.726272	0.203771	0.810702
AT4G02050	STP7	160.502	201.1698	181.5593	163.9724	323.284	321.9796	265.0124	235.198	211									

AT4G03923	AT4G03923	0	0	0	0	0	0.996841	0	0	0	0	0	0.15625	NA	0	NA	0	NA	
AT4G03926	AT4G03926	9.511232	0	2.575309	2.886909	3.312336	2.995522	2.66791	2.15778	3.904984	4.797678	1.330334	5.179533	-0.30849	0.68349	-0.33774	0.671824	-0.09315	NA
AT4G03930	PME42	3.566712	5.352738	7.725926	1.237247	0	0.996841	4.446517	0	0.976246	2.878607	2.660668	3.10772	-1.45554	0.022346	-0.8937	0.260407	-0.57205	NA
AT4G03935	AT4G03935	127.2127	89.2123	113.3136	71.34789	98.70762	87.72199	118.2774	69.04896	115.197	121.861	150.3277	119.1293	-0.35992	0.181567	-0.12414	0.706842	0.221959	0.640162
AT4G03940	AT4G03940	8.322238	3.568492	3.862963	7.42348	6.242673	6.977885	0.889303	6.47334	3.904984	5.757214	3.991002	6.215439	0.297086	0.667043	-0.38467	0.601722	-0.00358	NA
AT4G03945	AT4G03945	0	0	0	0	0	0.662467	0	0.889303	0	0	1.330334	0	0.09913	NA	0.145297	NA	0.18929	NA
AT4G03950	AT4G03950	0	0	0	0	1.324935	0	0.889303	0	0	0	0	0	0.194769	NA	0.126571	NA	0	NA
AT4G03960	AT4G03960	64.20081	39.25341	64.38272	148.882	182.841	155.5072	104.9378	110.0468	156.1994	93.07496	83.81104	75.62118	1.448431	3.24E-10	1.066931	1.15E-05	0.532907	0.166194
AT4G03965	AT4G03965	0	5.352738	2.575309	3.299325	3.974804	0.996841	4.446517	2.15778	0.976246	1.919071	1.330334	0	0.148692	0.856637	0.043325	0.961625	-0.46559	NA
AT4G03970	AT4G03970	0	1.784246	0	0.412416	0	0	0.889303	0	0.976246	0.959536	1.330334	0	-0.24386	NA	0.076272	NA	0.124792	NA
AT4G03975	AT4G03975	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G03976	AT4G03976	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT4G03977	AT4G03977	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G03978	AT4G03978	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G03979	AT4G03979	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G03980	AT4G03980	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G03981	AT4G03981	0	0	0	0	0.662467	0.996841	0.889303	0	0.976246	0	0	0	0.285636	NA	0.34172	NA	0	NA
AT4G03990	AT4G03990	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT4G04000	AT4G04000	0	1.784246	0	0	0.662467	0	2.66791	0	0	0	0	0	-0.1434	NA	0.167882	NA	-0.23579	NA
AT4G04010	AT4G04010	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0.172362	NA
AT4G04020	PAP1	1017.702	1059.842	1043	859.8865	826.0967	744.6401	921.3184	838.2975	711.6833	999.8361	828.7981	996.5421	-0.35325	0.01191	-0.33136	0.02374	-0.13938	0.591092
AT4G04030	ATOPF9	3.566712	0	0	0.412416	1.324935	0	0.889303	0	0	0.959536	0	0	-0.25356	NA	-0.39699	NA	-0.37508	NA
AT4G04040	PPF-BETA2	1128.27	1197.229	1109.958	1000.52	1035.436	1043.692	1290.379	1180.306	1183.21	1067.963	1205.283	1179.898	-0.15612	0.162604	0.090397	0.47821	0.00758	0.980498
AT4G04050	AT4G04050	1.188904	0	0	0	0	0	4.446517	0	0	0	0	2.071813	-0.22929	NA	0.369399	NA	0.099571	NA
AT4G04070	AT4G04070	1.188904	0	0	0	0	0	0.889303	0	0	0	0	1.035907	-0.2447	NA	-0.0484	NA	-0.02732	NA
AT4G04077	AT4G04077	0	3.568492	0	0	0	0	0	0	0	0	0	0	-0.44877	NA	-0.4322	NA	-0.42711	NA
AT4G04078	AT4G04078	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G04080	ISU3	0	0	0	0	0	0	0	0	0.959536	1.330334	0	0	0	NA	0	NA	0.366448	NA
AT4G04090	AT4G04090	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G04100	AT4G04100	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G04105	AT4G04105	0	3.568492	0	0.24831	0.662467	0	1.778607	0	0	0	0	0	-0.19261	NA	-0.15633	NA	-0.46011	NA
AT4G04110	AT4G04110	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G04120	AT4G04120	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G04130	AT4G04130	0	5.352738	5.150617	0	1.324935	0.996841	0	0	3.838143	1.330334	4.143626	0	-0.93087	0.159276	-1.27196	0.047247	-0.01257	NA
AT4G04140	AT4G04140	0	1.784246	1.287654	0	0	0	0.889303	1.07889	0	0	1.330334	1.035907	-0.62052	NA	-0.12764	NA	-0.07949	NA
AT4G04145	AT4G04145	0	0	0	0	0	0	1.778607	0	0	0	0	1.035907	0	NA	0.26262	NA	0.150298	NA
AT4G04150	AT4G04150	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G04155	AT4G04155	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G04157	AT4G04157	1.188904	0	0	0	0.662467	0	1.778607	0	0	0	0	0	-0.09734	NA	0.091285	NA	-0.19961	NA
AT4G04165	AT4G04165	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G04167	AT4G04167	0	0	0	0	0	0	0	1.07889	0	0	1.330334	0	0	NA	0.160793	NA	0.184979	NA
AT4G04170	AT4G04170	0	0	1.287654	1.237247	0.662467	0.996841	0.889303	2.15778	1.952492	0	1.330334	1.035907	0.249416	0.73527	0.548966	0.430255	0.12912	NA
AT4G04175	AT4G04175	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G04180	AT4G04180	34.47821	53.52738	41.20494	83.72036	94.07035	70.7757	80.03731	52.86561	64.43224	63.32935	47.89202	64.2262	0.928591	0.000453	0.605876	0.040525	0.447165	0.328743
AT4G04190	AT4G04190	14.26685	30.33218	27.04074	60.21267	60.28452	31.8989	49.80099	33.44559	40.02609	16.31211	23.94601	29.00538	1.037814	0.00433	0.73439	0.067001	-0.02846	0.980154
AT4G04200	AT4G04200	122.4571	140.9554	133.9161	202.496	200.7276	180.4282	155.6281	166.1491	187.4392	138.1731	109.0874	168.8528	0.551544	0.003858	0.353177	0.098581	0.078423	0.865192
AT4G04210	PUX4	699.0755	835.0271	772.5926	810.3966	840.0085	814.4189	664.3097	628.9928	643.3461	804.0999	719.7107	667.1238	0.098347	0.488833	-0.24584	0.063907	-0.0691	0.792278
AT4G04220	AIRLP46	116.5126	139.1712	123.6148	142.2834	131.831	182.4219	133.3959	127.309	73.21845	103.6298	83.81104	87.01615	0.256362	0.344512	-0.17065	0.582476	-0.43721	0.271055
AT4G04221	AT4G04221	1.188904	0	1.287654	0	0	0	0.889303	0	0	0.959536	0	0	-0.50188	NA	-0.26266	NA	-0.24426	NA
AT4G04223	AT4G04223	67.76752	73.15409	79.83457	124.1371	136.4683	66.78833	51.5796	51.78672	78.09968	65.24842	57.20436	39.36445	0.552317	0.078127	-0.26379	0.485376	-0.41691	0.439841
AT4G04230	AT4G04230	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT4G04245	AT4G04245	0	0	0	0	0.662467	0	1.07889	0	0	0	0	0	0.098648	NA	0.150881	NA	0	NA
AT4G04250	AT4G04250	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	NA	0.16673	NA	0	NA
AT4G04255	AT4G04255	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0.172362	NA
AT4G04260	AT4G04260	2.377808	0	0	1.237247	0.662467	0	0.889303	0	0.976246	0	0	1.035907	-0.05735	NA	-0.0945	NA	-0.23399	NA
AT4G04270	AT4G04270	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G04273	AT4G04273	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT4G04276	AT4G04276	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT4G04280	AT4G04280	2.377808	0	1.287654	0.412416	0	0	0.889303	0	0	0	1.330334	0	-0.56734	NA	-0.44408	NA	-0.39274	NA
AT4G04290	AT4G04290	0	0	0.412416	0	0	0	0	0	0	2.660668	2.071813	0	0.045599	NA	0	NA	0.699894	NA
AT4G04293	AT4G04293	26.15589	41.03766	36.05432	42.4788	52.99738	34.88943	21.34328	12.94668	14.64369	60.45074	61.19536	67.33392	0.35078	0.298596	-0.94313	0.007326	0.84745	0.036266
AT4G04296	AT4G04296	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT4G04300	AT4G04300	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT4G04310	AT4G04310	0	0	0	0.412416	0	0	1.07889	0	0	0	1.330334	0	0.064033	NA	0.167695	NA	0.19372	NA
AT4G04313	AT4G04313	0	0	0	0.662467	0	0.889303	0	0	0	0	0	1.035907	0.099976	NA	0.14456	NA	0.164373	NA
AT4G04315	AT4G04315	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G04316	AT4G04316	0	0	0	0	0	0.889303	0	0	0	0								

AT4G04530	AT4G04530	0	0	0	0	0.662467	0.996841	0	0	0.976246	0	0	0	0.275104	NA	0.163472	NA	0	NA
AT4G04540	CRK39	30.9115	46.3904	38.62963	74.64722	109.3071	83.73463	107.6057	74.44341	88.83839	12.47396	10.64267	22.78994	1.166405	4.95E-05	1.180983	5.34E-05	-1.15335	0.007862
AT4G04545	AT4G04545	0	0	0	0	0	0	0.889303	0	0.889303	0	0	0	0	NA	0.160764	NA	0	NA
AT4G04547	AT4G04547	1.188904	0	0	0	0	0.662467	0	0.889303	1.07889	0	0	0	-0.11957	NA	0.124631	NA	-0.23551	0
AT4G04550	AT4G04550	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G04560	AT4G04560	1.188904	0	1.287654	5.773818	8.612075	8.971567	5.335821	5.39445	10.73871	0	1.330334	1.035907	1.665509	0.005802	1.558486	0.013187	-0.14746	NA
AT4G04570	CRK40	439.8945	570.9587	449.3914	885.0438	914.2048	841.3336	709.6642	705.594	892.2888	258.1151	254.0938	343.921	0.844631	1.95E-07	0.652835	0.000108	-0.74673	0.000236
AT4G04580	AT4G04580	0	0	0.412416	0.662467	0	0	0	0	0	0	0	0	0.196313	NA	0	NA	0	NA
AT4G04590	AT4G04590	0	0	1.287654	0	0	0	0	0	0	0.959536	0	0	-0.22221	NA	-0.2076	NA	-0.03666	NA
AT4G04600	AT4G04600	2.377808	0	0	0	0	0	0.889303	0	0	0	0	0	-0.41552	NA	-0.22014	NA	-0.19775	NA
AT4G04601	AT4G04601	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G04610	APR1	1262.616	808.2635	1030.123	523.7678	476.314	450.572	393.0721	446.6604	455.9069	1103.466	1078.901	974.788	-1.07676	8.92E-12	-1.23935	5.39E-15	0.021971	0.961402
AT4G04614	AT4G04614	183.0912	235.5205	190.5728	299.8261	337.8583	274.1312	225.8831	226.5669	396.3559	189.9881	258.0848	216.5045	0.567232	0.101808	0.465971	0.068897	0.122121	0.815889
AT4G04620	ATG8B	115.3237	139.1712	131.3407	164.5538	180.1911	126.5988	132.5062	134.8612	174.748	103.6298	118.3997	137.7756	0.295806	0.198076	0.196319	0.453237	-0.09288	0.853499
AT4G04630	AT4G04630	277.0146	246.226	262.6815	79.59621	98.70762	65.79149	142.2886	115.4412	122.0307	278.2653	351.2082	310.772	-1.63793	4.68E-21	-1.02502	9.24E-09	0.247922	0.414812
AT4G04632	AT4G04632	0	0	0	0	0	0	0	0	1.07889	0	0	0	0	NA	0.16673	NA	0	NA
AT4G04635	AT4G04635	0	0	0	0	0	0	1.778607	0	0	0	0	0	0	NA	0.248756	NA	0	NA
AT4G04640	ATPC1	13979.113	12901.88	12120.69	5746.186	6094.036	5698.939	8300.759	8259.981	9860.085	14062.95	17077.5	13069	-1.13915	1.06E-19	-0.55518	2.78E-05	0.178494	0.446008
AT4G04650	AT4G04650	0	0	0	0	0	0.996841	0	0	0	0	0	0	0.15625	NA	0	NA	0	NA
AT4G04653	AT4G04653	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G04655	AT4G04655	0	1.784246	0	1.237247	0.662467	3.987363	1.778607	4.31556	0.976246	0	2.660668	2.071813	0.513567	0.468348	0.675175	0.341938	0.389594	NA
AT4G04660	AT4G04660	1.188904	0	0	0	0	0	1.07889	0	0	0	0	0	-0.24637	NA	-0.03098	NA	-0.02778	NA
AT4G04670	AT4G04670	83.22328	60.66437	93.99877	67.63615	53.65985	70.7757	83.59453	87.39009	64.43224	69.08657	53.21336	88.05205	-0.31271	0.273738	-0.02921	0.937972	-0.17363	0.750218
AT4G04680	AT4G04680	2.377808	3.568492	1.287654	2.474493	3.312336	1.993682	1.778607	1.07889	2.928738	1.919071	5.321336	0	0.101587	0.90452	-0.13348	0.880296	-0.01963	NA
AT4G04690	FBX15	1.188904	0	0	0	0	0	0	0	0.959536	0	0	0	-0.21179	NA	-0.19779	NA	-0.02864	NA
AT4G04692	AT4G04692	863.1443	1015.236	1050.726	911.026	1145.406	935.0367	1282.376	1027.103	1757.243	1081.397	1414.145	953.034	0.029842	0.919226	0.459898	0.043787	0.227793	0.561708
AT4G04693	AT4G04693	1.188904	0	0	0	0	0	0.889303	0	0	0	0	0	-0.20902	NA	-0.03919	NA	-0.19148	NA
AT4G04695	CPK31	68.95643	49.95889	91.42346	134.0351	130.5061	157.5008	85.37313	94.94231	64.43224	48.93632	58.53469	64.2262	0.944436	0.000067	0.187312	0.554468	-0.3014	0.525695
AT4G04700	CPK27	52.31177	48.17464	34.76667	51.96436	45.71024	67.78517	32.90423	39.91893	30.26363	26.867	45.23135	41.43626	0.264855	0.483334	-0.36783	0.312607	-0.24833	0.686454
AT4G04710	CPK22	3.566712	0	3.862963	12.78488	13.91181	7.97426	6.225124	10.7889	5.87476	5.757214	5.321336	8.287252	1.480471	0.007203	0.932727	0.136223	0.765868	NA
AT4G04720	CPK21	397.0939	476.3937	422.3506	392.6196	344.483	421.6636	395.74	389.4793	329.9711	371.3403	278.0398	395.7163	-0.15642	0.423495	-0.20873	0.293221	-0.29574	0.278942
AT4G04730	AT4G04730	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G04740	CPK23	313.8706	362.2019	333.5025	359.214	340.5082	444.591	490.0062	508.1572	306.5412	316.6468	304.6465	347.0287	0.174521	0.458469	0.3622	0.10315	-0.05541	0.912004
AT4G04745	AT4G04745	3.566712	8.92123	6.438272	12.78488	13.91181	16.94629	9.782338	3.23667	21.47741	3.838143	5.321336	12.43088	0.925222	0.105168	0.661756	0.298125	0.150727	NA
AT4G04750	AT4G04750	108.1903	114.1917	119.7519	77.53413	78.17114	68.78201	55.13682	60.41784	48.8123	145.8494	123.7211	118.0933	-0.58139	0.003894	-1.02492	9.84E-07	0.182016	0.631842
AT4G04760	AT4G04760	4.755616	7.136984	10.30123	6.598649	7.949607	6.977885	7.114428	10.7889	4.88123	5.757214	1.330334	1.434626	-0.021	0.977208	0.032475	0.966695	-0.64082	NA
AT4G04770	ABC18	1830.912	1761.051	1695.841	1371.694	1509.763	1401.558	2038.284	1820.008	1831.437	1680.147	1732.095	1949.576	-0.32026	0.006516	0.105134	0.430269	0.019906	0.946003
AT4G04775	AT4G04775	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G04780	MED21	82.03437	76.72258	72.10864	86.60727	96.05775	86.72515	92.48756	83.07453	109.3396	91.15588	70.5077	96.33931	0.213328	0.392567	0.293545	0.25126	0.163	0.721469
AT4G04790	AT4G04790	55.87849	42.8219	64.38272	62.68717	62.27192	63.79781	80.03731	56.10228	51.74104	64.69353	59.86503	67.33392	0.183016	0.553132	0.184043	0.580452	0.131738	0.825604
AT4G04800	MSR83	133.1572	140.9554	142.9296	299.8261	349.1203	247.2165	216.1007	208.2258	323.1374	151.6066	179.5951	171.9692	1.07456	1.62E-07	0.185853	0.000148	0.258728	0.516678
AT4G04810	MSR84	17.83356	24.97944	20.60247	16.90904	11.92441	9.968408	9.782338	12.94668	6.833722	31.66468	27.93701	26.93357	-0.5662	0.180369	-0.94207	0.033435	0.436714	0.52809
AT4G04820	AT4G04820	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G04830	MSR85	203.3026	176.6404	189.2852	165.3786	172.2415	123.6083	88.90305	71.20674	128.8645	260.0342	308.6375	231.0072	-0.28797	0.242316	-0.94216	0.000034	0.469795	0.155993
AT4G04840	MSR86	557.596	692.2875	730.1	452.0075	429.2788	498.4204	702.5498	558.865	785.878	1147.605	1221.247	1084.594	-0.51253	0.001632	0.050048	0.825187	0.790432	0.909E-06
AT4G04850	KEA3	1062.88	977.7668	1005.658	807.0973	890.356	857.2831	1116.076	990.421	738.042	1008.472	1156.06	1138.461	-0.25113	0.137483	-0.09758	0.631709	0.113515	0.721971
AT4G04860	DER2.2	215.1916	253.3629	242.079	261.0591	268.2992	283.1028	253.4515	279.4325	271.3964	180.3927	203.5411	196.8222	0.193006	0.221449	0.180986	0.289231	-0.28425	0.277591
AT4G04870	CLS	53.50068	67.80135	60.51975	50.3147	54.98478	48.8452	54.24751	55.02339	45.88356	47.97678	43.90102	44.54398	-0.21322	0.450825	-0.20667	0.050121	-0.38004	0.327809
AT4G04880	AT4G04880	173.58	208.7568	207.3123	254.8728	278.2363	268.1502	290.8022	250.3025	198.1779	233.1672	216.8444	207.1813	0.436636	0.015085	0.325475	0.980286	0.15842	0.651245
AT4G04885	PCF54	310.3039	289.0479	265.2568	216.9306	172.904	229.2734	124.3221	282.6692	199.3917	259.0746	251.4331	265.1921	-0.47401	0.011326	-0.32882	0.109461	-0.15265	0.676985
AT4G04890	PDF2	1211.493	1216.856	977.3296	602.5392	626.0316	734.6717	642.9664	772.4852	663.8473	1060.287	1174.685	1040.05	-0.78641	1.13E-08	-0.70196	5.84E-07	-0.05549	0.869018
AT4G04900	RIC10	2.377808	1.784246	2.575309	6.598649	4.637271	1.993682	7.114428	0	1.952492	0.959536	2.660668	3.10772	0.578806	0.418155	0.220404	0.798682	-0.03389	NA
AT4G04910	NSF	634.8747	435.356	486.7333	464.3799	553.8226	563.215	678.5386	628.9928	553.5315	508.5539	488.2326	503.4506	0.013544	0.953335	0.24775	0.188171	-0.05752	0.883146
AT4G04920	MED16	218.7583	258.7157	169.9704	239.201	226.5638	247.2165	247.2264	310.7203	184.5105	180.3927	188.9074	204.0736	0.141412	0.575415	0.197059	0.44452	-0.16295	0.704153
AT4G04925	AT4G04925	45.17835	57.09587	45.0679	42.4788	39.74804	50.83888	29.34701	36.68226	74.1947	44.13864	33.25835	38.32854	-0.13405	0.749537	-0.05684	0.904452	-0.30306	0.640446
AT4G04930	DES-1-LIKE	0																	

AT4G06605	AT4G06605	1.188904	0	0	0	0	0	2.66791	0	0	0	1.330334	0	-0.24033	NA	0.206745	NA	-0.00811	NA
AT4G06606	AT4G06606	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT4G06607	AT4G06607	0	1.784246	0	0	0.662467	0	0	0	0	0	0	0	-0.12017	NA	-0.24312	NA	-0.23848	NA
AT4G06608	AT4G06608	0	0	0	0.412416	0	0	2.66791	0	0	0	0	0	0.052837	NA	0.37323	NA	0	NA
AT4G06609	AT4G06609	0	0	0	0	0	0	0.889303	0	0.959536	0	0	0	0	NA	0.13694	NA	0.147196	NA
AT4G06610	AT4G06610	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G06611	AT4G06611	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G06612	AT4G06612	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G06613	AT4G06613	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0.172362	NA
AT4G06614	AT4G06614	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0.172362	NA
AT4G06615	AT4G06615	0	0	0	0.412416	0.662467	0	0	0	0	0	0	0	0.196313	NA	0	NA	0	NA
AT4G06616	AT4G06616	0	0	0	0	0	0	0	0.976246	0	0	0	0	0	NA	0.16673	NA	0	NA
AT4G06617	AT4G06617	1.188904	0	0	0	0	0	1.07889	0	0	0	1.330334	0	-0.24973	NA	-0.03207	NA	-0.00489	NA
AT4G06618	AT4G06618	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G06619	AT4G06619	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G06620	AT4G06620	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT4G06621	AT4G06621	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT4G06622	AT4G06622	1.188904	0	0	0	0	0	0.889303	1.07889	0	0	0	0	-0.26887	NA	0.130815	NA	-0.23129	NA
AT4G06623	AT4G06623	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G06624	AT4G06624	0	0	0	0	0	0	0.889303	1.07889	0	0	0	0	0	NA	0.3225	NA	0	NA
AT4G06625	AT4G06625	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G06626	AT4G06626	2.377808	0	1.287654	0	0.662467	0	0.889303	1.07889	0	0	0	1.035907	-0.55485	NA	-0.26835	NA	-0.42684	NA
AT4G06627	AT4G06627	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT4G06628	AT4G06628	0	0	0	0	0	0	0.889303	0	0	0	1.330334	2.071813	0	NA	0.154508	NA	0.530386	NA
AT4G06629	AT4G06629	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G06630	AT4G06630	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT4G06631	AT4G06631	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT4G06632	AT4G06632	0	1.784246	1.287654	0	0	0	0	0	0	0	0	0	-0.50693	NA	-0.48251	NA	-0.47569	NA
AT4G06633	AT4G06633	0	0	0	0.412416	0	0	0.889303	0	0	0	0	0	0.066991	NA	0.136991	NA	0	NA
AT4G06634	AT4G06634	173.58	174.8561	173.8333	231.3651	216.6268	198.3713	193.8682	213.6202	231.3703	199.5834	223.4961	171.9605	0.30906	0.077743	0.28413	0.13208	0.179444	0.570758
AT4G06635	AT4G06635	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT4G06636	AT4G06636	0	0	0	0	0	0	1.07889	0	0	0	1.330334	1.035907	0	NA	0.179864	NA	0.38345	NA
AT4G06637	AT4G06637	0	1.784246	0	0	0	0	0.889303	0	0	0	0	0	-0.26522	NA	-0.08117	NA	-0.24296	NA
AT4G06638	AT4G06638	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G06639	AT4G06639	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G06640	AT4G06640	1.188904	0	0	0	0	0	0.889303	1.07889	0	0	0	0	-0.26887	NA	0.130815	NA	-0.23129	NA
AT4G06641	AT4G06641	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT4G06642	AT4G06642	1.188904	0	0	0	0	0	0	0	1.919071	0	1.035907	0	-0.28202	NA	-0.24512	NA	0.288197	NA
AT4G06644	AT4G06644	0	1.784246	0	0	0	0	0	0	0	0	1.330334	0	-0.27254	NA	-0.25305	NA	-0.03925	NA
AT4G06646	AT4G06646	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G06648	AT4G06648	0	0	0	0	0	0	0.889303	0	0	0	2.660668	0	0	NA	0.134892	NA	0.345705	NA
AT4G06650	AT4G06650	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT4G06652	AT4G06652	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT4G06654	AT4G06654	0	0	1.287654	0	0	0	0	0	0	0	0	1.035907	-0.22368	NA	-0.20864	NA	-0.02973	NA
AT4G06656	AT4G06656	1.188904	1.784246	0	0	0	0	3.557214	1.07889	1.952492	0	2.660668	0	-0.63119	0.308747	0.520937	0.446696	-0.0666	NA
AT4G06658	AT4G06658	0	1.784246	0	0	0	0	1.778607	0	0	0	0	0	-0.25988	NA	0.05432	NA	-0.23333	NA
AT4G06660	AT4G06660	0	0	0	0	0	0	1.778607	1.07889	0	0	0	0	0	NA	0.460477	NA	0	NA
AT4G06664	AT4G06664	1.188904	1.784246	0	0	0	0	0.889303	1.07889	0	0	1.330334	2.071813	-0.61166	NA	-0.12506	NA	0.095423	NA
AT4G06666	AT4G06666	2.377808	0	0	0.412416	0.662467	0	0	1.07889	0.976246	0	0	1.035907	-0.24325	NA	-0.07562	NA	-0.23827	NA
AT4G06668	AT4G06668	0	1.784246	0	0	0	0	0.889303	0	0	0	0	0	-0.26522	NA	-0.08117	NA	-0.24296	NA
AT4G06670	AT4G06670	0	1.784246	0	0	0.996841	1.778607	0	0	0	0	0	0	-0.10411	NA	0.05052	NA	-0.23903	NA
AT4G06672	AT4G06672	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G06674	AT4G06674	0	0	0	0	0	0	0	0	0.959536	0	0	0	0	NA	0	NA	0.171512	NA
AT4G06676	AT4G06676	74.90095	62.44861	57.94445	127.4364	115.9318	121.6146	98.71269	88.46897	94.69586	68.12703	94.45371	59.04667	0.868613	6.99E-05	0.504161	0.041853	0.150647	0.764564
AT4G06678	AT4G06678	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT4G06680	AT4G06680	0	0	0	0	0	0.889303	0	0	0	0	1.330334	0	0	NA	0.141773	NA	0.183636	NA
AT4G06682	AT4G06682	0	0	0	0	1.324935	0	0	1.07889	0	0	0	0	0.195296	NA	0.144258	NA	0	NA
AT4G06684	AT4G06684	0	0	0	0.662467	0	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT4G06686	AT4G06686	1.188904	0	0	0	0.996841	0	1.07889	2.928738	0	0	0	0	-0.10049	NA	0.390898	NA	-0.23037	NA
AT4G06688	AT4G06688	0	0	0	0.662467	0	0.889303	0	0	0	0	1.330334	0	0.09913	NA	0.145297	NA	0.18929	NA
AT4G06692	AT4G06692	2.377808	0	0	0.412416	0	0	0	0	0	0	0	2.660668	-0.30775	NA	-0.37335	NA	0.001537	NA
AT4G06694	AT4G06694	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G06696	AT4G06696	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT4G06697	AT4G06697	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT4G06698	AT4G06698	0	0	0	0.996841	0	0	0	0	0	0	0	0	0.15625	NA	0	NA	0	NA
AT4G06699	AT4G06699	0	0	0	0.412416	0	0	0.889303	0	0	0	0	1.035907	0.066177	NA	0.148539	NA	0.168189	NA
AT4G06700	AT4G06700	1.188904	1.784246	0	0.412416	0.662467	0.996841	7.114428	4.31556	0.976246	0.959536	5.321336	2.071813	-0.27331	0.726264	0.995671	0.148288	0.588475	NA
AT4G06701	AT4G06701	58.25629	53.52738	81.12222	87.4321	86.78321	74.76306	64.02985	47.47116	67.36097	66.20796	74.4987	71.47755	0.353008	0.171413	-0.11072	0.742138	0.116691	0.836577
AT4G06702	AT4G06702	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G06704	AT4G06704	0	0	0	0	0.996841	0	0	0	0.959536	0	0	0	0.134417	NA	0	NA	0.144669	NA
AT4G06708	AT4G06708	0	0	0	0.662467	0	0	0	0	0	0	1.330334	2.071813	0.095043	NA	0	NA	0.524051	NA
AT4G06710	AT4G06710	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G06712	AT4G06712	1.188904	0	0	0.662467	0.996841	1.778607	0	0.976246	0	0	1.330334	1.035907	-0.00303	NA	0.246805	NA	0.149322	NA
AT																			

AT4G07338	AT4G07338	0	0	0	0	0	0	0	1.07889	0	0	0	2.071813	0	NA	0.150233	NA	0.295662	NA
AT4G07339	AT4G07339	0	0	0	0	1.324935	0	0	0	0	0	0	0	0.21675	NA	0	NA	0	NA
AT4G07340	AT4G07340	0	0	0	0	0	0	0	0	0.976246	0	0	0	0	0	0	NA	0	NA
AT4G07350	AT4G07350	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G07355	AT4G07355	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G07360	AT4G07360	0	0	0	0	0	0	1.778607	0	0	0.959536	0	0	0	NA	0.262373	NA	0.143228	NA
AT4G07370	AT4G07370	1.188904	0	0	0	0	0	0	0	0.976246	0	1.330334	1.035907	-0.29801	NA	-0.05307	NA	0.16706	NA
AT4G07380	AT4G07380	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	NA	0.16673	NA	0	NA
AT4G07390	AT4G07390	214.0027	305.1061	283.284	406.2293	457.7649	430.6352	441.0945	356.0337	443.2157	293.6179	200.8804	263.1203	0.680438	0.000202	0.621657	0.00101	-0.06827	0.879579
AT4G07400	F8L	47.55616	39.25341	55.36914	49.07745	51.67245	47.84836	47.13308	70.12785	83.95716	47.01725	43.90102	54.90305	0.047163	0.901523	0.457843	0.142568	0.025088	0.976106
AT4G07408	AT4G07408	0	0	0	2.062078	0.662467	0.996841	4.446517	7.55223	12.6912	2.878607	0	1.035907	0.498482	0.490126	2.152191	0.00041	0.573956	NA
AT4G07410	AT4G07410	782.2988	674.445	737.8259	482.9386	533.9486	560.2245	645.6343	636.5451	574.0326	601.6288	606.6323	701.3087	-0.47834	0.000169	-0.24164	0.091051	-0.20059	0.351195
AT4G07415	AT4G07415	1.188904	3.568492	0	0	0.662467	0	0.889303	0	0	0	0	0	-0.56999	NA	-0.49462	NA	-0.67322	NA
AT4G07420	AT4G07420	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G07425	AT4G07425	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G07430	AT4G07430	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G07435	AT4G07435	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT4G07440	AT4G07440	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT4G07450	AT4G07450	1.188904	0	0	0	0	0	0.889303	0	0	0	0	0	-0.20902	NA	-0.03919	NA	-0.19148	NA
AT4G07452	AT4G07452	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G07454	AT4G07454	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	NA	0.16673	NA	0	NA
AT4G07456	AT4G07456	0	0	0	0.412416	0	0	0	0	0	0	1.330334	0	0.067751	NA	0	NA	0.180865	NA
AT4G07458	AT4G07458	0	0	0	0	0.662467	0	0	0	0	0	0	2.071813	0.092091	NA	0	NA	0.290617	NA
AT4G07460	AT4G07460	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G07470	AT4G07470	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G07475	AT4G07475	0	0	0	0.412416	0	0	0	0	0	0	1.330334	0	0.067751	NA	0	NA	0.180865	NA
AT4G07480	AT4G07480	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G07485	AT4G07485	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G07490	AT4G07490	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT4G07491	AT4G07491	1.188904	0	0	0.412416	0	0	0.889303	0	0	0	1.330334	1.035907	-0.18223	NA	-0.06717	NA	0.165081	NA
AT4G07492	AT4G07492	0	0	0	0	0	0	0	0	0	0	2.660668	1.035907	0	NA	0	NA	0.551716	NA
AT4G07493	AT4G07493	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G07494	AT4G07494	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0.172362	NA
AT4G07495	AT4G07495	1.188904	0	0	0	0	0.996841	0	0	0	0	1.330334	1.035907	-0.08776	NA	-0.24883	NA	0.163739	NA
AT4G07496	AT4G07496	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G07498	AT4G07498	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G07500	AT4G07500	0	0	0	0	0	0	0	0	0	0	2.660668	0	0	NA	0	NA	0.322821	NA
AT4G07502	AT4G07502	0	0	1.287654	0	0	0	0	0	0	0.959536	0	0	-0.22221	NA	-0.2076	NA	-0.03666	NA
AT4G07504	AT4G07504	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT4G07507	AT4G07507	124.8349	92.78079	133.9161	91.96867	88.10815	115.6335	121.8346	103.5734	64.43224	166.9592	192.8984	102.5547	-0.25127	0.442828	-0.26944	0.43498	0.363546	0.458715
AT4G07510	AT4G07510	0	0	0	0.412416	0	0.996841	0.889303	1.07889	0	0.959536	0	1.035907	0.225392	NA	0.353136	NA	0.372487	NA
AT4G07515	AT4G07515	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G07516	AT4G07516	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT4G07517	AT4G07517	0	0	0	0	1.324935	0	1.778607	0	0	0	0	1.035907	0.184897	NA	0.251034	NA	0.142475	NA
AT4G07518	AT4G07518	0	0	0	0.412416	0.662467	0	0	1.07889	0	0	0	0	0.209628	NA	0.176186	NA	0	NA
AT4G07519	AT4G07519	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT4G07520	AT4G07520	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G07521	AT4G07521	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G07522	AT4G07522	1.188904	0	0	0	0.662467	0	0.889303	0	0	0	0	0	-0.09199	NA	-0.04588	NA	-0.20606	NA
AT4G07523	AT4G07523	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G07524	AT4G07524	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G07525	AT4G07525	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G07526	AT4G07526	0	1.784246	0	0.412416	0.662467	0	0	1.07889	0.976246	0	2.660668	0	-0.09156	NA	0.076415	NA	0.136309	NA
AT4G07528	AT4G07528	0	0	0	0	0.662467	0	0.889303	0	0	0	0	0	0.097058	NA	0.130384	NA	0	NA
AT4G07530	AT4G07530	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G07540	AT4G07540	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT4G07550	AT4G07550	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G07560	AT4G07560	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G07563	AT4G07563	1.188904	0	0	0	0	0	1.778607	0	0	0	0	1.035907	-0.24078	NA	0.09206	NA	-0.02924	NA
AT4G07566	AT4G07566	0	0	0	0.662467	0	0	0	0	0	0	1.330334	0	0.101524	NA	0	NA	0.179327	NA
AT4G07570	AT4G07570	1.188904	0	0	0	0	0	0	0	0.976246	0	0	0	-0.21061	NA	-0.03092	NA	-0.19245	NA
AT4G07580	AT4G07580	0	0	0	0	0	0	0.889303	0	0	0	1.330334	0	0	NA	0.141773	NA	0.183636	NA
AT4G07583	AT4G07583	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT4G07586	AT4G07586	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	NA	0.16673	NA	0	NA
AT4G07590	AT4G07590	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G07595	AT4G07595	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT4G07600	AT4G07600	0	0	0.412416	0.662467	0	0	0	0	0	0.959536	0	0	0.209973	NA	0	NA	0.170506	NA
AT4G07605	AT4G07605	0	0	0	0	0	0	1.778607	0	0	0	1.330334	0	0	NA	0.264566	NA	0.174671	NA
AT4G07620	AT4G07620	0	0	0	0	0	0	0.889303	0	0	0.959536	0	1.035907	0	NA	0.161651	NA	0.351496	NA
AT4G07630	AT4G07630	0	0	0	0	0	0	0	1.07889	0	0	1.330334	0	0	NA	0.160793	NA	0.184979	NA
AT4G07640	AT4G07640	0	0	0	0	0	0	0	0	0	1.919071	1.330334	0	0	NA	0	NA	0.510836	NA
AT4G07650	AT4G07650	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G07660	AT4G07660	0	0	0	0	1.324935	0	0	2.15778	0.976246	0.959536	0	1.035907	0.194641	NA	0.473347	NA	0.326073	NA
AT4G07662	AT4G07662	0	1.287654	0	0	0	0	0	0	0	0	0	1.035907	-0.22368	NA	-0.20864	NA	-0.02973	NA
AT4G07664	AT4G07664	1.188904	0	0	0														

AT4G08760	AT4G08760	0	1.784246	0	0	0.662467	0.996841	0.889303	0	0	0	0	1.035907	0.005805	NA	-0.1025	NA	-0.07553	NA			
AT4G08765	AT4G08765	0	0	0	0	0.662467	0.996841	0.889303	1.07889	0	0	0.959536	0	0	0.267476	NA	0.342099	NA	0.173503	NA		
AT4G08770	PER37	2.377808	1.784246	0	26.80701	22.52389	35.88627	44.46517	36.68226	35.14486	0.919071	5.321336	0	0	2.925689	1.44E-09	3.354338	2.88E-12	0.141336	0.921904		
AT4G08780	PER38	1.188904	0	2.575309	11.13522	15.89921	18.93997	12.45025	14.02557	9.76246	0.959536	0	0	0	2.279452	3.13E-05	1.973787	0.000551	-0.50341	NA		
AT4G08790	NLP2	83.22328	73.15409	68.24568	138.5716	120.569	109.6525	107.6057	66.89118	99.57709	81.56053	81.15037	88.05205	0.697628	0.002237	0.278345	0.316616	0.148788	0.768975	0	NA	
AT4G08800	AT4G08800	0	0	0	0.412416	0	0	0.889303	0	0	0	0	0	0.066991	NA	0.136991	NA	0	NA	0	NA	
AT4G08810	SUB1	543.3291	481.7464	451.9667	342.7173	356.4074	363.8469	329.9316	333.377	385.6172	403.9645	457.6349	447.5116	-0.47303	0.000371	-0.48957	0.000354	-0.17577	0.463036	0	NA	
AT4G08820	AT4G08820	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	0.16673	NA	0	NA	0	NA	0	NA
AT4G08830	AT4G08830	0	0	0	0.412416	0	0	0	0	0	0	0	0	0	1.035907	0.065109	NA	0	NA	0.150531	NA	
AT4G08840	APUM11	0	0	0	0	0.662467	0	0.889303	0	0	0	0	0	0	0.097058	NA	0.130384	NA	0	NA	0	NA
AT4G08850	AT4G08850	1026.024	933.1607	715.9358	1655.436	1585.284	1778.364	1327.73	1409.03	1113.897	542.1376	618.6053	532.456	0.892883	3.38E-09	0.516805	0.001363	-0.64941	0.000651	0	NA	
AT4G08860	AT4G08860	0	0	0	0.824831	3.974804	1.993682	0.889303	1.07889	0.976246	0	0	0	1.067944	0.065575	0.496114	0.445019	0	NA	0	NA	
AT4G08867	AT4G08867	0	0	1.287654	0	0	0	0.889303	0	0	0	0	0	-0.21946	NA	-0.0473	NA	-0.20113	NA	0	NA	
AT4G08868	AT4G08868	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA	0	NA	
AT4G08869	AT4G08869	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	NA	
AT4G08870	ARGAH2	823.9104	843.9484	880.7556	1195.593	1072.535	1159.326	907.9789	1050.839	1030.916	1380.772	1607.043	960.2854	0.41867	0.020687	0.225017	0.273571	0.61719	0.004448	0	NA	
AT4G08871	AT4G08871	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	NA	
AT4G08872	AT4G08872	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	NA	
AT4G08873	AT4G08873	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	NA	
AT4G08874	AT4G08874	3.566712	3.568492	2.575309	2.062078	0.662467	0	1.778607	1.07889	3.904984	0.959536	1.330334	2.071813	-0.7821	0.257741	-0.25793	0.759144	-0.55968	NA	0	NA	
AT4G08875	AT4G08875	0	0	0	0	0	0.996841	0	0	0	0	0	0	0.15625	NA	0	NA	0	NA	0	NA	
AT4G08876	AT4G08876	0	0	0	0.662467	0	0	1.778607	0	0	0	0	1.035907	0.086325	NA	0.271445	NA	0.154173	NA	0	NA	
AT4G08878	AT4G08878	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	NA	
AT4G08880	AT4G08880	0	0	0	0	0	3.557214	0	0	0	0	0	0	0	NA	0.434799	NA	0	NA	0	NA	
AT4G08890	AT4G08890	0	0	0	0	1.778607	0	0	0	0	0	0	1.035907	0	NA	0.26262	NA	0.150298	NA	0	NA	
AT4G08895	AT4G08895	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	NA	
AT4G08900	ARGAH1	149.8019	164.1506	139.0667	167.0283	123.8814	128.5925	115.6095	132.7035	162.0568	135.2945	115.7391	151.2424	-0.09201	0.726319	-0.13517	0.617916	-0.15654	0.715269	0	NA	
AT4G08910	AT4G08910	10.70014	26.76369	20.60247	16.90094	18.54908	9.968408	14.22886	6.47334	11.71495	32.62421	26.60668	29.00538	-0.24315	0.623746	-0.66664	0.16915	0.588502	0.386465	0	NA	
AT4G08920	CRY1	2805.813	2658.527	2427.228	1310.244	1226.889	1561.053	1225.46	1485.631	1189.068	2056.285	1795.951	2067.669	-0.93434	3.68E-12	-1.00364	8.89E-14	-0.40862	0.030349	0	NA	
AT4G08930	APRL6	279.3924	365.7704	343.8037	415.7149	473.6641	481.4741	276.5734	290.2214	309.47	331.0398	316.6195	254.833	0.466604	0.003698	-0.16605	0.401697	-0.12445	0.707732	0	NA	
AT4G08940	AT4G08940	40.42273	57.09587	48.93086	38.76706	52.99738	45.85468	40.90796	38.84004	52.71728	51.81492	59.86503	34.18492	-0.07891	0.835402	-0.12008	0.765498	-0.00026	0.999512	0	NA	
AT4G08945	AT4G08945	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	NA	
AT4G08949	AT4G08949	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	NA	
AT4G08950	EXO	225.8917	187.3458	191.8605	649.5545	628.019	784.5137	570.0435	911.662	894.2413	235.0862	275.3791	170.9246	1.704011	3.45E-16	1.902669	5.99E-20	0.156324	0.742031	0	NA	
AT4G08953	AT4G08953	0	0	0	0	0.996841	0	0	0	0	0	0	0	0.15625	NA	0	NA	0	NA	0	NA	
AT4G08956	AT4G08956	0	0	0.412416	0	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA	0	NA	
AT4G08960	AT4G08960	216.3805	162.3664	178.984	171.9773	198.7402	160.4914	148.5137	163.9913	187.4392	170.7973	242.1208	162.6373	-0.07305	0.781795	-0.16142	0.531217	0.028852	0.959432	0	NA	
AT4G08967	AT4G08967	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	NA	
AT4G08970	AT4G08970	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA	0	NA	
AT4G08980	FBW2	549.2736	594.1539	570.4309	880.5073	877.7691	813.4221	711.4428	705.594	825.9041	515.2706	508.1876	595.6463	0.583101	1.33E-06	0.386045	0.002802	-0.07815	0.774901	0	NA	
AT4G08990	MET2	8.322328	5.352738	7.725926	10.7228	16.56168	5.981045	11.56095	9.710009	10.73871	4.797678	10.64267	2.071813	0.508946	0.386595	0.43325	0.501746	-0.27785	NA	0	NA	
AT4G08991	AT4G08991	13.07794	8.92123	16.73951	24.33252	21.86142	10.96525	20.45398	10.7889	12.6912	9.595356	11.97301	18.64632	0.497144	0.316719	0.137597	0.829184	0.020447	NA	0	NA	
AT4G08995	AT4G08995	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	NA	
AT4G09000	GRF1	4016.118	4030.612	3974.989	3583.891	4382.221	4111.968	4108.582	3956.289	4680.123	3548.363	3436.253	3444.389	0.006183	0.969003	0.083688	0.557472	-0.20317	0.259686	0	NA	
AT4G09010	TL29	3331.309	3941.399	3883.565	2453.873	2249.076	2298.715	2578.98	2560.206	2401.565	4300.639	4037.564	4181.955	-0.66594	1.15E-11	-0.56023	2.03E-08	0.166298	0.324511	0	NA	
AT4G09012	AT4G09012	9.511232	7.136984	10.30123	9.897974	11.26194	8.971567	10.67164	8.63112	10.73871	4.797678	6.65167	8.287252	0.129254	0.835693	0.11832	0.863336	-0.37567	NA	0	NA	
AT4G09020	ISA3	781.1099	815.4004	811.2222	963.8152	891.0185	985.8755	1279.708	1460.817	926.4574	1016.148	839.4407	872.2333	0.23399	0.207831	0.595469	0.000431	0.177833	0.570796	0	NA	
AT4G09030	AGP10	40.42273	24.97944	29.61605	100.217	101.3575	104.6683	80.91675	148.3894	45.09817	55.87403	27.96948	1.542591	4.68E-07	1.559569	4.9E-07	0.36107	0.560065	0	NA		
AT4G09040	AT4G09040	796.5656	777.9313	791.9074	513.4574	591.5833	533.3098	722.1144	700.1996	717.5408	803.1313	987.1078	860.8383	-0.52677	8.5E-06	-0.14402	0.3169	0.195268	0.454232	0	NA	
AT4G09060	AT4G09060	32.10041	17.84246	25.75309	52.78919	56.30972	29.90522	32.01493	46.39227	41.00233	28.78607	38.57969	48.68761	0.795613	0.024199	0.561426	0.155666	0.525415	0.375703	0	NA	
AT4G09070	MED20B	0	0	0	0	0	0	1.07889	0	0	0	0	0	0.16673	NA	0	NA	0	NA	0	NA	
AT4G09080	TOC75-4	4.755616	5.352738	2.575309	11.13522	11.26194	11.96209	7.114428	8.63112	4.88123	11.51443	3.991002	8.287252	1.09351	0.044297	0.477735	0.475356	0.677157	NA	0	NA	
AT4G09090	AT4G09090	0	0	0	0	0	0	1.07889	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	NA	
AT4G09100	ATL39	0	0	0	0	0	1.993682	0	0	0	0	0	0	0.249001	NA	0	NA	0	NA	0	NA	
AT4G09110	ATL35	0	0	0	0.412416	0.662467	0.996841	0	0	0	0	0	0	0.410231	NA	0	NA	0	NA	0	NA	
AT4G09120	ATL36	0	0	0	0.412416	0.662467	1.993682	0.889303	0	0	0	0	0	0.543046	NA	0.16272	NA	0	NA	0	NA	
AT4G09130	ATL37	1.188904	1.784246	0	0	1.324935	0	0.889303	2.15778	0	0	0	0	-0.23194	NA	0.045425	NA	-0.4596	NA	0	NA	
AT4G09140	MLH1	139.1018	135.6027	168.6827	178.5759	182.841	187.4061	163.6318	159.6757	135.6982	137.2136	137.0244	162.6373	0.294924	0.11							

AT4G10310	HKT1	19.02246	3.568492	9.01358	2.474493	1.987402	2.990522	0	0	0	8.635821	10.64267	9.323159	-1.55271	0.007044	-2.54981	1.36E-05	-0.14933	NA
AT4G10320	AT4G10320	1344.65	1102.664	1023.685	736.5742	686.9786	951.9829	883.0784	1010.92	645.2986	936.5068	907.2878	918.8491	-0.53693	0.005278	-0.44112	0.02958	-0.32191	0.294266
AT4G10330	AT4G10330	97.49012	99.91778	101.7247	133.2102	160.9795	93.70303	89.81965	75.5223	150.3419	121.861	151.6581	106.6984	0.363124	0.234287	0.074347	0.028954	0.322971	0.524256
AT4G10340	LHC85	64683.51	81070.79	75188.71	32579.59	32814.65	31363.6	28671.14	27997.19	34731.9	75667.06	63558.04	70344.27	-1.17723	1.97E-21	-1.25845	1.97E-24	-0.0753	0.792429
AT4G10345	MIR832A	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G10350	BRN2	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0.172362	NA
AT4G10360	AT4G10360	212.8138	205.1883	231.7778	223.5292	266.9743	216.3144	218.7687	200.6735	282.1351	243.722	179.5951	264.1562	0.117356	0.624581	0.106447	0.681738	0.082968	0.857738
AT4G10370	AT4G10370	1.188904	0	0	0	1.987402	0	0	0	0	0	0	0	0.117884	NA	-0.19902	NA	-0.02827	NA
AT4G10380	NIP5-1	71.33424	53.52738	47.64321	135.2723	126.5312	123.6083	165.4104	128.3879	173.7718	87.31774	79.82004	78.7289	1.109751	2.25E-07	1.379852	9.52E-11	0.477041	0.184358
AT4G10390	AT4G10390	40.42273	28.54794	29.61605	24.74493	25.83622	17.94313	30.23632	35.60337	19.52492	45.09817	34.58868	34.18492	-0.47674	0.187052	-0.20904	0.631313	0.187835	0.791971
AT4G10400	AT4G10400	84.41128	83.85956	86.27284	64.33683	66.90919	72.76938	76.4801	75.5223	63.45599	97.87263	53.21336	106.6984	-0.31364	0.256824	-0.23046	0.458632	0.033846	0.960974
AT4G10410	AT4G10410	0	0	0	0.824831	0	0	0	0	0	0	1.330334	0	0.140102	NA	0	NA	0.173173	NA
AT4G10414	AT4G10414	0	1.784246	1.287654	0.824831	1.987402	0.996841	2.66791	0	2.928738	0	0	0.2071813	0.120743	0.879097	0.364708	0.629743	-0.12024	NA
AT4G10420	AT4G10420	39.23383	23.1952	19.31482	10.31039	11.26194	18.93997	15.11816	12.94668	14.64369	23.98839	18.62468	34.18492	-0.963	0.017787	-0.835	0.057881	-0.08135	0.935568
AT4G10430	AT4G10430	262.7478	246.226	226.6272	239.201	282.2111	250.207	241.0012	188.8057	265.5389	273.4677	271.3881	272.4434	0.065779	0.755925	-0.07763	0.730424	0.148718	0.644483
AT4G10440	AT4G10440	0	0	0	0.412416	0.662467	0	0.889303	1.07889	0.976246	0	0	1.035907	0.201344	NA	0.540537	NA	0.190946	NA
AT4G10450	RPL9D	500.5286	562.0375	602.6222	626.4593	696.2531	571.1898	580.7152	445.5815	712.6596	635.2126	428.3675	584.2513	0.182277	0.433837	0.062173	0.823748	-0.01154	0.984708
AT4G10457	SCR11	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G10460	AT4G10460	1.188904	0	0	0.412416	0	0	1.778607	1.07889	0	0.959536	0	1.035907	-0.21419	NA	0.266679	NA	0.131168	NA
AT4G10465	AT4G10465	0	0	0	0	0	0	0.889303	0	0	0.959536	0	0	0	NA	0.13694	NA	0.147196	NA
AT4G10470	AT4G10470	199.7359	157.0137	215.0383	152.5938	172.904	141.5514	233.8868	217.9358	158.1519	192.8667	211.5231	229.9712	-0.29023	0.178295	0.083053	0.757853	0.13682	0.739371
AT4G10480	AT4G10480	2052.048	2228.523	2404.051	2330.56	2492.202	2138.223	1856.866	1876.19	2671.985	2591.706	2945.359	2426.093	0.057842	0.786595	-0.06043	0.790367	0.147717	0.365357
AT4G10490	AT4G10490	0	0	0	0	0.662467	0	0.889303	1.07889	0	0	0	1.035907	0.094508	NA	0.335027	NA	0.178483	NA
AT4G10500	AT4G10500	29.7226	71.36984	36.05432	583.9805	487.5759	440.6036	104.9378	110.0468	98.60085	3.838143	10.64267	8.287252	3.395523	2.03E-46	1.184405	7.17E-06	-2.14143	2.18E-08
AT4G10507	AT4G10507	0	0	0	0.412416	0.662467	0	0	0	0	0.959536	0	0	0.209973	NA	0	NA	0.170506	NA
AT4G10510	AT4G10510	0	1.784246	0	0	0	0.996841	0.889303	0	0	0	0	1.035907	-0.11713	NA	-0.09472	NA	-0.07078	NA
AT4G10520	AT4G10520	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G10530	AT4G10530	0	0	0	0	0	0	0	1.07889	0.976246	0	1.330334	0	0	NA	0.34973	NA	0.20646	NA
AT4G10540	AT4G10540	0	0	0	0	0	0	0.889303	0	0	0.959536	0	0	0	NA	0.13694	NA	0.147196	NA
AT4G10550	AT4G10550	79.65656	57.09587	74.68395	55.26369	51.00998	52.83256	56.02612	53.9445	30.26363	57.57214	50.55269	48.68761	-0.40137	0.155998	-0.57597	0.049195	-0.42004	0.347323
AT4G10560	MEE53	9.511232	5.352738	6.438272	3.71174	1.987402	0.996841	3.57214	1.07889	2.928738	3.838143	0	6.215349	-1.02134	0.109701	-0.94647	0.164686	-0.68626	NA
AT4G10570	UBP10	243.7253	242.6575	217.6136	191.7732	206.6898	211.3302	232.1082	216.8569	184.5105	199.5834	226.1568	194.7504	-0.20721	0.23146	-0.14717	0.451694	-0.18188	0.537149
AT4G10580	AT4G10580	3.566712	0	0	0.824831	0.662467	0.996841	0	0	0.959536	0	0	0	-0.15149	NA	-0.62262	NA	-0.40924	NA
AT4G10590	UBP9	256.8033	230.1677	230.4901	197.5471	217.9517	230.2702	268.5697	282.6692	197.2017	225.4909	214.1838	239.2944	-0.15752	0.433268	0.056564	0.815165	-0.07883	0.845772
AT4G10595	LCR2	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G10596	AT4G10596	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G10600	AT4G10600	24.96698	21.41095	23.17778	12.78488	13.91181	16.94629	11.56095	19.42002	20.50117	15.35257	19.95501	23.82585	-0.63622	0.115531	-0.40428	0.38326	-0.22014	0.789813
AT4G10603	AT4G10603	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G10610	CID12	580.1851	722.6196	637.3889	630.9958	637.956	677.8517	694.546	746.5918	741.947	549.8139	448.3225	565.605	0.007737	0.967218	0.172211	0.274587	-0.2993	0.142544
AT4G10613	AT4G10613	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G10620	AT4G10620	111.757	96.34929	83.69753	105.9908	90.75802	75.7599	84.48383	96.0212	76.14719	61.41028	70.5077	95.3034	-0.8102	0.79084	-0.18234	0.546367	-0.34808	0.404721
AT4G10630	AT4G10630	11.88904	12.48972	16.73951	11.13522	8.612075	4.984204	14.22886	19.42002	15.61994	15.35257	11.97301	12.43088	-0.56761	0.244419	0.221642	0.698701	-0.03596	NA
AT4G10640	IQD16	1.188904	0	0	3.862963	2.062078	1.324935	0	3.57214	2.15778	2.928738	3.838143	1.330334	-0.26205	0.741476	0.350657	0.663788	-0.423769	NA
AT4G10650	DGP2	11.88904	14.27397	15.45185	25.56977	27.16116	22.92734	26.6791	25.89336	27.33489	15.35257	7.982004	14.50269	0.786502	0.04578	0.847344	0.039662	-0.09054	0.931948
AT4G10655	AT4G10655	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0.172362	NA
AT4G10660	AT4G10660	0	0	0	0.412416	0	0	0	1.07889	0	0	0	0	0.064603	NA	0.150774	NA	0	NA
AT4G10670	GT2C	0	1.287654	0	3.312336	1.993682	3.557214	2.15778	0	2.878607	3.991002	2.071813	0	0.432666	0.546923	0.159108	0.478855	0.805813	NA
AT4G10680	AT4G10680	0	1.784246	0	0	0	0	0	0	0.976246	0	0	0	-0.266	NA	-0.07274	NA	-0.24323	NA
AT4G10690	AT4G10690	101.0568	87.42806	84.98519	68.04857	64.92179	55.82308	86.26244	77.68008	54.66978	92.11542	73.16837	97.37521	-0.50653	0.037233	-0.31289	0.257341	-0.05181	0.932254
AT4G10695	AT4G10695	0	5.352738	7.725926	0.824831	0	1.993682	0.889303	0	0	2.878607	0	2.071813	-0.97773	0.134259	-1.21535	0.059353	-0.61994	NA
AT4G10700	AT4G10700	0	0	0	0	0	0	1.778607	0	0	0	0	0	0	NA	0.248756	NA	0	NA
AT4G10710	SP116	706.2089	545.9793	491.884	391.3824	401.4552	452.5657	462.4378	579.3639	453.5944	469.2129	504.1966	528.3123	-0.48208	0.004715	-0.22098	0.260637	-0.21446	0.474669
AT4G10720	AT4G10720	1.188904	0	0	3.312336	4.984204	1.778607	1.07889	0	0	0	0	0	1.255614	0.044594	0.216767	0.788511	-0.09049	NA
AT4G10730	AT4G10730	544.518	485.3149	458.4049	553.8741	445.8405	594.1171	579.8259	523.2616	385.6172	446.1841	560.0706	494.1274	0.094539	0.683083	-6.5E-05	0.999918	0.008566	0.987749
AT4G10740	AT4G10740	0	0	0	0	0.996841	0	0	0	0	0	0	0	0.15625	NA	0	NA	0	NA
AT4G10750	AT4G10750	101.0568	105.2705	108.163	84.54519	80.15854	82.73778	71.14428	75.5223	139.6032	111.3061	83.81104	94.26749	-0.32915	0.248482	-0.1288	0.70782	-0.10811	0.858201
AT4G10760	MTA	800.7134	151.6609	181.5593	184.7622	207.3523	146.5356	191.2002	160.7546	192.3205	175.595	163.6311	154.3501	0.068368	0.77343	0.075798	0.764899	-0.06328	0.887392
AT4G10767	SCR121	0	0	0	0	0	0	1.778607	0	0	0	0	0	#N/A	#N/A				

AT4G12040	SAP7	373.3158	406.8081	413.337	578.2066	631.3313	611.0634	605.6157	579.3639	720.4695	484.5655	468.2776	341.8492	0.599008	0.000169	0.664558	3.35E-05	0.115202	0.734783
AT4G12050	AHL26	0	1.784246	0	0.412416	0	0	0.889303	1.07889	0.976246	1.919071	1.330334	3.10772	-0.32545	0.636229	0.23899	0.751213	0.731989	NA
AT4G12060	AT4G12060	545.7069	558.469	536.9519	486.238	505.4625	465.5246	586.051	529.735	751.7094	612.1837	706.4073	654.6929	-0.16744	0.324728	0.184876	0.293759	0.261128	0.278295
AT4G12065	AT4G12065	1.188904	0	0	0.824831	0	0	0.889303	2.15778	0	0	0	0	-0.06528	NA	0.265777	NA	-0.22934	NA
AT4G12070	AT4G12070	179.5245	181.9931	166.1074	218.5803	215.3019	210.3334	244.5885	260.0125	179.6293	161.202	150.3277	134.6678	0.285391	0.172111	0.367958	0.059847	-0.234	0.480733
AT4G12080	AHL1	22.58917	23.1952	23.17778	26.3946	31.79843	28.90838	31.79843	30.20892	30.26363	28.78607	17.29434	23.82585	0.304495	0.450684	0.136758	0.746053	0.036307	0.917175
AT4G12090	AT4G12090	0	1.784246	1.287654	3.299325	4.637271	1.993682	1.778607	1.07889	0.976246	0	1.330334	0	0.90991	0.17087	0.131871	0.878429	-0.30702	NA
AT4G12100	AT4G12100	0	0	0	0.824831	1.987402	0	0.889303	0	0	0	0	0	0.483988	NA	0.142943	NA	0	NA
AT4G12110	SMO1-1	240.1586	181.9931	221.4765	165.7911	154.3549	146.5356	158.296	139.1768	153.2706	196.7048	188.9074	183.3555	-0.45905	0.00518	-0.5129	0.00273	-0.18466	0.543164
AT4G12115	AT4G12115	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G12120	SEC1B	114.1348	99.91778	83.69753	180.2256	183.5034	246.2197	280.1306	296.6947	169.8668	86.35821	69.17737	68.36983	0.983262	5.38E-05	1.270341	1.24E-07	-0.38779	0.381298
AT4G12130	AT4G12130	67.76752	64.23286	51.50617	53.61402	37.76063	55.82308	59.58333	71.20674	52.71728	55.65307	55.87403	55.93895	-0.30557	0.2882	-0.001	0.998029	-0.12382	0.837272
AT4G12135	AT4G12135	0	0	0	0	0	0	1.07889	0	0	0.959536	0	0	0	NA	0.156853	NA	0.149599	NA
AT4G12140	AT4G12140	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G12150	AT4G12150	0	0	0	0.662467	0	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT4G12160	AT4G12160	4.755616	7.136984	6.438272	12.78488	8.612075	11.96209	5.335821	3.23667	4.88123	5	5.321336	4.143626	0.73578	0.210841	-0.29254	0.692642	-0.65778	NA
AT4G12170	AT4G12170	0	0	0	0	0	0	0	0	0.976246	0	0	0	0	NA	0.16673	NA	0	NA
AT4G12180	AT4G12180	0	0	0	0	0	0	0.889303	0	0	0	1.330334	1.035907	0	NA	0.162563	NA	0.384227	NA
AT4G12190	AT4G12190	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G12200	AT4G12200	3.566712	3.568492	7.725926	5.361402	4.637271	2.990522	8.893035	3.23667	4.88123	4.797678	6.65167	6.215439	-0.1253	0.868104	0.14166	0.860014	0.153054	NA
AT4G12210	AT4G12210	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G12220	AT4G12220	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT4G12230	AT4G12230	299.6038	289.0479	370.8445	344.367	339.8457	361.8532	372.6182	354.9548	287.0163	264.8318	222.1658	331.4901	0.118192	0.590197	0.076338	0.758338	-0.22264	0.502394
AT4G12240	AT4G12240	30.9115	37.46917	28.3284	42.89122	30.47349	41.86731	35.57214	33.44559	53.69353	36.46235	27.93701	26.93357	0.250394	0.503025	0.334059	0.388428	-0.05589	0.950218
AT4G12250	GAE5	124.8349	82.07532	82.40988	100.217	91.42048	110.6493	97.82338	115.4412	115.197	67.16749	63.85603	71.47755	0.04176	0.887583	0.161025	0.56313	-0.50717	0.141567
AT4G12260	AT4G12260	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G12270	AT4G12270	2.377808	0	0	0	0	0	0	0	0	0	0	0	-0.32938	NA	-0.31889	NA	-0.31551	NA
AT4G12275	AT4G12275	0	0	1.287654	0	0	0	0.889303	0	0	0	0	0	-0.21946	NA	-0.0473	NA	-0.20113	NA
AT4G12280	AT4G12280	0	0	0	0	0	0	0.889303	1.07889	0	0	0	0	0	NA	0.3225	NA	0	NA
AT4G12290	AT4G12290	296.0371	353.2807	310.3247	1240.134	1323.61	1201.193	1724.359	1538.497	1462.417	339.6756	452.3135	334.5978	1.94695	2.86E-44	2.270249	5.1E-60	0.225429	0.402692
AT4G12300	CYP706A4	196.1692	176.6404	181.5593	249.099	259.0247	221.2987	285.4664	226.5669	193.2967	186.1499	183.5861	169.8887	0.388437	0.036258	0.339133	0.088694	-0.04189	0.929099
AT4G12310	CYP706A5	155.7464	178.4246	163.5321	113.8267	125.8688	134.5735	322.8172	291.3003	280.1826	165.9997	190.2378	183.3555	-0.4104	0.016239	0.840223	0.066-08	0.116959	0.73594
AT4G12320	CYP706A6	911.8893	926.0237	906.5087	355.0898	367.0069	346.9006	1004.913	987.1843	915.7187	1194.622	1339.646	1191.293	-1.34754	9.81E-41	0.083539	0.529228	0.436899	0.000406
AT4G12330	CYP706A7	0	1.784246	2.575309	1.237247	0.662467	0	1.07889	1.952492	5.757214	0	2.071813	0	-0.33136	0.650935	-0.16599	0.839843	0.41697	NA
AT4G12334	AT4G12334	0	0	1.287654	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT4G12340	AT4G12340	153.3686	169.5034	199.5864	246.2121	276.9113	190.3966	188.5323	198.5157	332.8999	130.4968	143.6761	199.93	0.433617	0.112474	0.44188	0.121699	-0.13307	0.817029
AT4G12350	MYB42	0	1.784246	1.287654	2.062078	2.124935	3.987363	1.778607	2.15778	0.976246	1.919071	1.330334	1.035907	0.561647	0.432625	0.267505	0.745072	0.190612	NA
AT4G12360	AT4G12360	0	0	0	0	0	0	1.07889	0	0	0	0	1.035907	0	NA	0.157605	NA	0.157555	NA
AT4G12370	AT4G12370	0	0	0	0	0	0.996841	1.778607	0	0	0	1.330334	1.035907	0.111183	NA	0.291088	NA	0.34914	NA
AT4G12380	AT4G12380	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G12382	AT4G12382	3.566712	1.784246	1.287654	2.062078	7.28714	6.977885	5.335821	11.86779	8.786214	1.919071	3.991002	1.035907	0.686156	0.30558	1.220367	0.057927	-0.04642	NA
AT4G12390	PME1	78.46766	89.2123	65.67037	60.62509	53.65985	61.80413	60.47264	69.04896	104.4583	79.64146	63.85603	91.15977	-0.38085	0.177987	0.011727	0.975367	0.024282	0.974426
AT4G12400	HOP3	32.10041	17.84246	25.75309	25.56977	25.17376	32.89575	31.12562	23.73558	27.33489	26.867	38.57969	33.14901	0.079379	0.856637	0.082848	0.86395	0.307785	0.63581
AT4G12405	AT4G12405	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G12410	AT4G12410	3.566712	1.784246	2.575309	2.886909	1.324935	1.993682	3.557214	4.31556	5.857476	0	0	3.10772	-0.19347	0.81071	0.485965	0.526016	-0.57982	NA
AT4G12420	SKU5	2828.402	2528.277	2465.858	1150.227	1160.643	1407.539	1198.781	1389.61	1343.314	2505.348	2572.866	2511.037	-1.06548	1.16E-20	-0.98355	1.51E-17	-0.0438	0.879579
AT4G12423	AT4G12423	0	1.784246	1.287654	0	0	0	0	0	0	0	0	0	-0.50693	NA	-0.48251	NA	-0.47569	NA
AT4G12426	AT4G12426	0	0	0	0.824831	0	0	0	0	0	0	1.330334	0	0.140102	NA	0	NA	0.173173	NA
AT4G12430	TPPF	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G12432	CPuORF26	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G12440	APT4	4.755616	1.784246	1.287654	2.474493	3.312336	0	1.778607	1.07889	1.952492	1.919071	1.330334	1.035907	-0.17208	0.833784	-0.34777	0.666383	-0.41106	NA
AT4G12450	AT4G12450	1.188904	3.568492	0	0.824831	2.649869	1.993682	0	2.15778	0.976246	2.878607	0	4.143626	0.110018	0.895318	-0.19325	0.817854	0.324915	NA
AT4G12460	ORP2B	278.2035	262.2842	263.9691	232.6024	239.8132	241.2355	320.1493	294.537	307.5175	295.537	305.9768	281.7666	-0.17557	0.232008	0.193997	0.204628	0.1294	0.612836
AT4G12470	AZ11	19.02246	21.41095	12.87654	153.0062	155.0173	135.5703	121.8346	113.2834	142.5319	23.02886	66.5167	21.75404	2.781064	1.55E-17	2.556595	1.04E-14	0.876252	0.09848
AT4G12480	EARL1	38.04493	42.8219	28.3284	209.5071	247.7628	203.3555	255.2301	214.6991	263.5864	32.62421	55.87403	22.78994	2.486872	0.10E-24	2.632323	1.21E-27	-0.00452	0.969026
AT4G12490	AT4G12490	19.02246	73.15409	27.04074	192.1857	225.9013	123.6088	168.7537	169.3857	197.2017	34.54328	29.26735	24.86176	2.062604	1.51E-10	2.08496	1.17E-10	-0.33008	0.636411
AT4G12500	AT4G12500	8.322328	10.70548	7.725926	25.98218	31.13596	19.93682	32.01493	33.44559	28.31113	14.39303	7.982004	12.43088	1.343577	0.000979	1.583939	0.000113	0.327636	0.716392
AT4G12510	AT4G12510	3.566712	0	0.510617	0	0.662467	0	0	0	0	1.919071	2.660668	2.071813	-1.2352	0.046626	-1.2852	0.038389	-0.2	

AT4G13620	ERF062	3.566712	0	0	0.412416	0.662467	0	0	0	0	0	0	0	0	0	0	0	0	0	-0.34884	NA	-0.56208	NA	-0.55173	NA
AT4G13630	AT4G13630	198.547	178.4246	198.2988	167.8531	168.9292	175.444	169.857	179.0957	244.0615	188.066	138.3547	168.8528	-0.1692	0.442708	0.038821	0.886681	-0.2073	0.561641	-0.18019	0.204617	0.192341	0.198904	0.043893	0.889374
AT4G13640	UNE16	340.0265	406.8081	405.6111	445.8212	447.8279	406.711	452.6555	436.9504	424.667	407.8026	404.4215	372.9264	0.18019	0.204617	0.038821	0.886681	-0.2073	0.561641	-0.18019	0.204617	0.192341	0.198904	0.043893	0.889374
AT4G13650	PCMP-H42	67.76752	55.31163	59.2321	30.93117	41.73544	51.83572	56.02612	66.89118	34.16861	49.89585	58.53469	55.93895	-0.55644	0.070636	-0.21177	0.568364	-0.15082	0.817365	-0.55644	0.070636	-0.21177	0.568364	-0.15082	0.817365
AT4G13660	PRR2	1.188904	5.352738	3.862963	13.60971	14.57428	10.96525	12.45025	14.02557	11.71495	2.878607	2.660668	2.078113	1.510785	0.004239	1.443405	0.009014	-0.24121	NA	1.510785	0.004239	1.443405	0.009014	-0.24121	NA
AT4G13670	PTAC5	549.2736	476.3937	526.6506	422.726	392.1806	407.7079	534.4714	567.4961	641.3936	514.3111	561.4009	594.6103	-0.34332	0.100258	1.61467	0.292829	0.100204	0.706832	-0.34332	0.100258	1.61467	0.292829	0.100204	0.706832
AT4G13680	AT4G13680	1.188904	0	2.575309	4.124156	3.974804	4.984204	8.003731	7.55223	6.833722	2.878607	2.660668	4.176326	0.834061	0.200098	1.433014	0.021891	0.559051	NA	0.834061	0.200098	1.433014	0.021891	0.559051	NA
AT4G13690	AT4G13690	11.88904	12.48972	10.30123	9.485558	12.58688	8.971567	8.893053	7.55223	13.66744	20.15025	19.95501	17.61041	-0.13564	0.813337	-0.13564	0.813337	-0.13564	0.813337	-0.13564	0.813337	-0.13564	0.813337	-0.13564	0.813337
AT4G13700	ATPAP23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT4G13710	AT4G13710	66.57862	67.80135	57.94445	41.65397	43.72284	31.8989	41.79726	49.62894	36.1211	67.16749	89.13238	50.75942	-0.65643	0.019208	-0.65643	0.019208	-0.65643	0.019208	-0.65643	0.019208	-0.65643	0.019208	-0.65643	0.019208
AT4G13720	AT4G13720	210.436	198.0513	247.2296	289.1033	282.2111	225.286	225.8831	206.068	269.4439	262.9128	295.3341	241.3662	0.278067	0.147738	0.091579	0.701847	0.091579	0.701847	0.091579	0.701847	0.091579	0.701847	0.091579	0.701847
AT4G13730	AT4G13730	249.6698	206.9725	244.6543	224.7665	274.2615	239.2418	231.2189	255.6969	220.6316	234.1267	246.1118	218.5763	0.063199	0.754318	0.003623	0.987508	0.003623	0.987508	0.063199	0.754318	0.003623	0.987508	0.003623	0.987508
AT4G13750	NOV	168.8244	108.839	99.14938	59.38784	48.36011	75.7599	83.59453	10.0468	48.8123	94.99403	93.12338	89.08796	-0.99359	0.000639	-0.60822	0.055969	-0.42335	0.395535	-0.99359	0.000639	-0.60822	0.055969	-0.42335	0.395535
AT4G13760	AT4G13760	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G13770	CYP83A1	3680.847	2576.451	2880.483	1568.004	1322.285	1473.331	1323.284	1375.585	1328.671	3342.063	3049.125	3289.003	-1.05235	9.76E-15	-1.16669	8.92E-18	-0.081137	0.794194	-1.05235	9.76E-15	-1.16669	8.92E-18	-0.081137	0.794194
AT4G13780	AT4G13780	685.9976	672.6608	584.5951	460.2558	494.8631	586.1424	584.2724	614.9673	545.7215	518.1492	432.3585	578.0358	-0.33338	0.037226	-0.15243	0.416495	-0.33723	0.145392	-0.33338	0.037226	-0.15243	0.416495	-0.33723	0.145392
AT4G13790	AT4G13790	0	0	0	0	1.324935	0.996841	3.557214	2.15778	6.22878	0	1.330334	0	0.319269	0.636655	1.194072	0.046131	0.171371	NA	0.319269	0.636655	1.194072	0.046131	0.171371	NA
AT4G13800	AT4G13800	102.2457	103.4863	140.3543	42.4788	43.72284	34.88943	88.04104	57.18117	63.45599	207.2597	204.8714	192.6786	-1.44656	0.396111	-0.70044	0.002648	0.781318	0.002677	-1.44656	0.396111	-0.70044	0.002648	0.781318	0.002677
AT4G13810	ATRLP47	385.2049	454.9827	356.6803	608.7254	604.8326	695.7949	775.4726	649.4917	482.2655	404.924	401.7609	370.8545	0.661263	0.000234	0.661835	0.000296	-0.01951	0.970574	0.661263	0.000234	0.661835	0.000296	-0.01951	0.970574
AT4G13820	AT4G13820	27.34479	28.54794	33.47901	178.1635	202.715	203.3555	169.857	126.2301	146.4369	15.35257	18.62468	16.5745	2.594053	1.37E-28	2.206283	3.48E-20	-0.74943	0.102486	2.594053	1.37E-28	2.206283	3.48E-20	-0.74943	0.102486
AT4G13830	ATJ20	889.3002	1043.784	875.605	772.8668	812.1849	598.1045	831.4988	744.4341	827.9156	1200.379	1917.011	886.736	-0.34762	0.176813	-0.21733	0.452245	0.492196	0.164979	-0.34762	0.176813	-0.21733	0.452245	0.492196	0.164979
AT4G13840	CER26	987.9792	1000.962	869.1667	489.1249	545.2106	584.1487	404.6331	539.445	657.0136	745.5592	779.5757	694.0574	-0.80588	1.58E-06	-0.81954	1.37E-05	-0.35765	0.174906	-0.80588	1.58E-06	-0.81954	1.37E-05	-0.35765	0.174906
AT4G13850	RBG2	422.0609	358.6335	390.1593	699.4568	734.0137	604.0855	404.6331	531.8927	997.7234	349.271	332.5835	389.5009	0.762101	0.003621	0.689176	0.011043	-0.12297	0.836955	0.762101	0.003621	0.689176	0.011043	-0.12297	0.836955
AT4G13860	AT4G13860	1.188904	0	0	4.536571	3.974804	1.993682	0.889303	3.23667	3.904984	0.995936	3.991002	0	1.07968	0.09793	0.781015	0.271295	0.406932	NA	1.07968	0.09793	0.781015	0.271295	0.406932	NA
AT4G13870	WEX	41.61164	60.66437	61.80741	46.19054	57.63465	58.81361	52.46891	45.31338	44.98858	40.3005	66.5167	55.93895	-0.01345	0.971635	-0.20425	0.567357	-0.01357	0.987439	-0.01345	0.971635	-0.20425	0.567357	-0.01357	0.987439
AT4G13880	ATRLP48	59.4452	67.80135	56.65679	62.27475	62.93439	67.78517	67.58706	67.97007	45.88356	46.05771	59.86503	63.1903	0.070614	0.829191	-0.01008	0.978224	-0.11324	0.850121	0.070614	0.829191	-0.01008	0.978224	-0.11324	0.850121
AT4G13885	AT4G13885	1.188904	0	2.575309	4.124156	3.974804	4.984204	8.003731	7.55223	6.833722	2.878607	2.660668	4.176326	-0.24308	0.692033	-0.17089	0.805948	-0.24308	0.692033	-0.17089	0.805948	-0.24308	0.692033	-0.17089	0.805948
AT4G13890	SHM5	4.755616	16.05821	5.150617	72.17273	83.47088	58.81361	9.782338	14.02557	20.50117	0.995936	1.330334	1.035907	2.848442	1.36E-12	0.711598	0.169615	-1.49823	0.03885	2.848442	1.36E-12	0.711598	0.169615	-1.49823	0.03885
AT4G13900	ATRLP49	292.4704	294.4006	217.6136	519.6436	584.9586	601.095	385.0684	334.4559	234.299	187.1094	145.0064	187.4991	1.056702	0.653E-08	0.24161	0.324108	-0.60335	0.033499	1.056702	0.653E-08	0.24161	0.324108	-0.60335	0.033499
AT4G13918	AT4G13918	5.94452	7.136984	5.150617	27.44943	2.649869	2.990522	2.66791	2.15778	5.87476	11.51443	3.991002	4.143626	-0.7929	0.213609	-0.50279	0.485124	0.132306	NA	-0.7929	0.213609	-0.50279	0.485124	0.132306	NA
AT4G13920	ATRLP50	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G13930	SHM4	1114.003	868.9278	813.7975	533.2533	524.0116	581.1582	536.25	520.025	628.7024	837.6746	929.9034	912.6337	-0.76373	1.12E-07	-0.72175	8.28E-07	-0.06305	0.855952	-0.76373	1.12E-07	-0.72175	8.28E-07	-0.06305	0.855952
AT4G13940	SAH11	10198.42	8619.693	9211.879	6649.789	6747.229	6988.851	5952.998	6705.301	7001.636	7591.846	7520.378	7937.116	-0.45651	1.04E-05	-0.50838	8.43E-07	-0.28046	0.055119	-0.45651	1.04E-05	-0.50838	8.43E-07	-0.28046	0.055119
AT4G13950	RALFL31	51.12287	51.74313	56.65679	62.68717	57.63465	48.8452	47.13308	36.68226	62.47974	73.88424	42.57069	79.7648	0.090953	0.807678	-0.11566	0.773716	0.295869	0.85616	0.090953	0.807678	-0.11566	0.773716	0.295869	0.85616
AT4G13955	AT4G13955	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA	0.095918	NA	0	NA	0	NA
AT4G13960	AT4G13960	0	0	0	0	0	0.996841	0.889303	2.15778	0	0	1.330334	0	0.111714	NA	0.471921	NA	0.190027	NA	0.111714	NA	0.471921	NA	0.190027	NA
AT4G13965	AT4G13965	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G13968	AT4G13968	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G13970	AT4G13970	183.0912	183.7773	172.5457	117.5384	118.5816	150.523	150.2923	156.439	132.7695	151.6066	176.9344	137.7756	-0.48415	0.00802	-0.2885	0.162197	-0.21041	0.52809	-0.48415	0.00802	-0.2885	0.162197	-0.21041	0.52809
AT4G13980	HSF5A	150.9908	162.3664	140.3543	169.5028	142.4305	178.3435	170.7463	157.5179	111.292	159.2829	170.2827	150.2064	0.110946	0.647829	-0.03953	0.890464	0.080195	0.864774	0.110946	0.647829	-0.03953	0.890464	0.080195	0.864774
AT4G13985	FBD1	0	0	0	0.412416	0	0	0.996841	0	0	0.995936	0	1.035907	0.342914	NA	0	NA	0.361816	NA	0.342914	NA	0	NA	0.3	

AT4G14385	AT4G14385	89.1678	90.99655	84.98519	127.4364	139.1181	88.71883	105.8271	107.889	138.6269	79.64146	97.11438	128.4524	0.41787	0.109957	0.394018	0.159155	0.194355	0.698852
AT4G14390	AT4G14390	10.70014	16.05821	9.01358	37.94223	25.17376	20.93366	7.114428	6.47334	3.904984	1.919071	0	6.215439	1.162622	0.103435	-0.77677	0.176515	-1.40225	NA
AT4G14400	ACD6	2521.665	2615.705	2370.572	2789.579	2249.739	2871.898	1817.736	2006.735	1312.075	895.2467	832.7891	1013.117	0.074261	0.735535	-0.53679	0.002228	-0.42327	8.16E-17
AT4G14403	AT4G14403	1.188904	0	0	0.412416	0.662467	0	0	1.07889	0	0.959536	1.330334	0	-0.04166	NA	-0.05931	NA	0.157319	NA
AT4G14410	BHLH104	403.0384	387.1814	400.4605	549.3375	494.2006	491.4425	489.1169	473.6327	666.776	397.2477	387.1272	422.6499	0.361553	0.025986	0.444445	0.006561	0.018925	0.96566
AT4G14415	AT4G14415	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT4G14420	AT4G14420	131.4928	296.1026	378.5704	1239.309	1295.786	1095.528	974.676	767.0907	1132.445	403.005	436.3495	421.614	1.713057	5.86E-28	1.381203	3.22E-18	0.213107	0.491396
AT4G14430	ECI2	254.4254	219.4623	209.8877	494.8987	469.6893	432.6289	297.2724	362.570	750.334	324.1267	172.9434	177.14	0.975061	0.000456	0.98644	0.00047	-0.21334	0.711267
AT4G14440	ECI3	191.4135	335.4383	272.9827	309.3117	295.4604	247.2165	136.0634	161.8335	201.1067	262.9128	275.3791	235.1508	0.102151	0.706487	-0.6503	0.003983	-0.0387	0.946861
AT4G14450	AT4G14450	0	1.784246	0	1.13522	9.274542	9.968408	9.782338	6.47334	12.6912	0	1.330334	0	2.188218	0.000151	2.09389	0.000417	-0.16117	NA
AT4G14455	BET12	121.2682	115.976	140.3543	185.9994	245.7754	180.4282	198.3147	107.889	208.9166	123.7801	117.0694	172.9964	0.663866	0.011859	0.427271	0.1545321	0.125128	0.83622
AT4G14460	AT4G14460	0	0	0	0.412416	0	0.996841	0	1.07889	0	0.959536	1.330334	2.071813	0.212015	NA	0.165012	NA	0.57173	NA
AT4G14465	AHL20	9.511232	5.352738	14.1642	22.68286	13.24935	24.92102	20.45398	14.02557	15.61994	10.55489	11.97301	9.323159	0.869709	0.058563	0.626188	0.227571	0.055735	NA
AT4G14470	AT4G14470	0	0	0	0	0	0	0	0	0.97246	0	0	0	0.16673	NA	0	NA	0	NA
AT4G14480	BLU51	70.14533	137.3869	141.642	64.33683	77.50867	73.76622	106.7164	108.9679	121.0545	105.5489	125.0514	109.8061	-0.66056	0.008563	-0.03678	0.916896	-0.02558	0.97086
AT4G14490	AT4G14490	33.28931	17.84246	16.73951	29.69392	34.4483	32.89575	23.12189	28.05114	26.35864	29.7456	23.94601	35.22082	0.438488	0.242457	0.139203	0.773092	0.335853	0.612836
AT4G14500	AT4G14500	787.0544	727.9724	827.9617	603.364	586.946	684.8296	625.1803	696.9629	526.1966	903.8826	916.6001	804.8994	-0.32152	0.027477	-0.34002	0.023949	0.159921	0.53463
AT4G14504	MIR852A	0	0	1.287504	0	0.662467	0	0	0	0	0	1.330334	2.071813	-0.14218	NA	-0.25929	NA	0.30767	NA
AT4G14510	ATCFM3B	303.1705	249.7944	244.6543	158.78	165.6168	156.504	155.6281	198.5157	202.0829	189.9881	227.4871	255.8689	-0.71766	3.97E-05	-0.51536	0.005729	-0.24465	0.432245
AT4G14520	NRPF7L	53.50068	83.85956	66.95803	111.7646	118.5816	92.70619	98.71269	99.25787	102.5058	90.19635	74.4987	81.83662	0.672487	0.002306	0.595949	0.018548	0.28944	0.48169
AT4G14530	AT4G14530	1.188904	0	0	0	0.662467	0	0	0	0	0	0	0	-0.07436	NA	-0.18698	NA	-0.18606	NA
AT4G14540	NFYB3	253.2365	267.6369	252.3803	208.6823	139.1181	162.485	141.3993	169.3857	244.0615	331.0398	375.1542	252.7612	-0.57006	0.017343	-0.46069	0.072779	0.298876	0.466407
AT4G14548	AT4G14548	27.34479	44.60615	55.36914	25.56977	23.84882	24.92102	34.68284	15.10446	38.07359	43.1791	35.91902	35.22082	-0.70133	0.052341	-0.46941	0.24653	-0.1293	0.874312
AT4G14550	IAA1A	181.9023	185.5616	155.8062	117.5384	116.5942	106.662	87.15174	81.99564	77.12343	191.9071	210.1928	196.8222	-0.59606	0.000341	-1.05741	1.03E-09	0.193441	0.524629
AT4G14560	IAA1	211.6249	239.089	316.763	178.9884	206.6898	161.4882	223.2152	174.7802	253.824	306.0919	408.4125	315.9515	-0.47172	0.031119	-0.22768	0.370859	0.408994	0.207718
AT4G14570	AT4G14570	388.7716	415.7293	345.0914	328.2828	305.3974	334.9385	341.4925	395.9526	305.565	376.138	348.5475	414.3626	-0.24092	0.134971	-0.1364	0.463225	-0.00745	0.987026
AT4G14580	CIPK4	28.53369	42.8219	36.05432	38.35465	38.4231	27.91154	23.12189	29.04984	27.82653	35.91902	26.93357	0	0.06625	0.988535	-0.20182	0.632925	-0.21865	0.750218
AT4G14590	emb2739	24.96698	21.41095	24.46543	17.74993	29.81103	28.90838	39.12935	28.05114	20.50117	21.10978	17.29434	30.04129	0.19665	0.650639	0.278148	0.534547	-0.04256	0.966449
AT4G14600	AT4G14600	74.90095	55.31163	81.12222	114.9509	162.3045	120.6177	105.8271	89.54786	123.9832	81.56053	123.7211	87.01615	0.869725	0.000389	0.554529	0.041466	0.418549	0.314567
AT4G14605	AT4G14605	230.6474	226.5992	227.9148	169.5028	179.5286	177.4377	165.4104	185.5691	152.2944	159.2829	203.5411	210.289	-0.3761	0.025785	-0.43929	0.012263	-0.25807	0.351437
AT4G14610	AT4G14610	121.2682	132.0342	109.4506	183.5249	214.6394	203.3555	140.51	138.0979	134.7219	59.49121	73.16837	63.1903	0.720287	3.03E-05	0.1918	0.388977	-0.86494	0.002041
AT4G14615	AT4G14615	141.4796	169.5034	166.1074	277.9681	233.8509	171.4566	192.9789	169.3857	290.9213	213.0169	252.7635	196.8222	0.508772	0.042364	0.438601	0.101197	0.454768	0.230043
AT4G14620	AT4G14620	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G14622	CpURF60	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G14630	GLP9	0	0	2.575309	20.62078	16.56168	11.96209	38.24005	35.60337	31.23987	0	0	1.035907	2.519877	1.22E-06	3.485921	4.89E-12	-0.35338	NA
AT4G14640	CM18	4.755616	5.352738	7.725926	23.09527	25.17376	18.93997	14.22866	14.02557	18.54667	5.757214	10.64267	3.10772	1.595953	0.000508	1.100767	0.306684	0.02885	NA
AT4G14650	AT4G14650	23.77808	30.33218	25.75309	20.20836	19.87402	18.90838	16.00746	16.18335	12.6912	42.21957	46.56169	37.29264	-0.21399	0.597161	-0.73522	0.060573	0.628347	0.220246
AT4G14660	NRPE7	42.80054	48.17464	52.79383	62.68717	84.13334	57.81677	48.91169	62.57562	84.9334	46.05771	61.19536	51.79533	0.487467	0.103264	0.423367	0.194447	0.128614	0.849621
AT4G14661	AT4G14661	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G14670	CLP2B	0	0	0	0	0	0	0	1.952492	0	0	0	1.035907	0	NA	0.279148	0	0.150772	NA
AT4G14680	AP53	376.8826	330.0855	276.8457	202.496	176.8788	220.3018	241.0012	303.1681	263.5864	426.9934	383.1362	282.8025	-0.69958	0.00031	-0.27946	0.21569	0.147457	0.708209
AT4G14690	EUP2	1.188904	3.568492	2.575309	1.649662	1.987402	0	0	2.15778	2.928738	4.797678	3.991002	2.071813	-0.40833	0.586662	-0.23845	0.778956	0.36219	NA
AT4G14695	MPC2	15.45575	8.92123	19.31482	3.299325	2.649869	0	0.889303	1.07889	0.976246	20.15025	22.61568	13.46678	-2.03814	7.83E-05	-2.42778	9.21E-06	0.310207	NA
AT4G14700	ORC1A	24.96698	8.92123	16.73951	4.948987	3.312336	7.974726	7.114428	3.23667	1.952492	12.47396	23.94601	10.35907	-1.55452	0.007203	-1.55452	0.003783	-0.13986	NA
AT4G14710	ARD3	492.2062	563.8217	602.6222	871.8465	810.8599	782.52	724.7823	797.2997	982.1035	604.5074	554.7493	648.4775	0.565603	0.000149	0.526605	0.000105	1.2456	0.683412
AT4G14713	TIFYAA	41.6164	28.54794	39.91728	59.5919	45.04777	43.86099	48.02239	35.60337	51.74104	40.3005	35.91902	51.79533	0.260337	0.606178	0.180317	0.606178	0.189972	0.762198
AT4G14716	ARD2	462.4836	565.606	542.1025	941.9572	911.555	839.3399	880.4104	787.5897	1270.096	632.334	573.3739	724.0987	0.762488	3.37E-05	0.884695	1.33E-06	0.293009	0.349271
AT4G14720	TIFYAB	124.8349	112.4075	169.9704	185.587	178.8662	207.3429	201.8719	194.2002	171.8193	135.2945	111.7481	123.2729	0.463977	0.016239	0.458946	0.023469	-0.138	0.736114
AT4G14723	EPFL4	2.377808	3.568492	1.287654	4.948987	5.299738	4.984204	3.557214	3.23667	1.709968	4.797678	2.660668	1.43626	0.682509	0.301478	0.627401	0.380054	0.41441	NA
AT4G14730	AT4G14730	0	0	2.575309	2.886909	0.662467	0.996841	0.889303	0	0	2.878607	2.660668	1.035907	0.306927	0.677848	-0.32254	0.666895	0.476694	NA
AT4G14740	AT4G14740	372.1269	319.38	276.8457	195.485	170.2514	146.5356	161.8532	174.7802	163.0331	301.2942	311.2981	272.344	-0.88958	4.89E-08	-0.93809	2.1E-08	-0.13013	0.701627
AT4G14743	AT4G14743	2.377808	0	0	0.412416	0	0.996841	0	0	0.97246	0	0	0	-0.16731	NA	-0.23152	NA	-0.40756	NA
AT4G14746	AT4G14746	64.20081	132.0342	99.14938	465.6172	441.2032	3												

AT4G15140	AT4G15140	47.55616	55.31163	70.82099	99.39215	115.2693	52.83256	85.37313	65.81229	116.1733	76.76285	115.7391	94.26749	0.591094	0.073722	0.577793	0.096918	0.664463	0.162125
AT4G15150	AT4G15150	0	0	0	2.062078	1.324935	1.993682	6.225124	0	2.928738	0	0	0	0.789974	0.208321	1.171461	0.056562	0	NA
AT4G15160	DL3625W	5.94452	7.136984	2.575309	3.299325	1.324935	4.984204	2.66791	1.07889	5.925492	4.766285	1.330334	7.251346	-0.46076	0.155537	-0.80881	0.249278	0.106195	NA
AT4G15165	PAC2	9.511232	17.84246	16.73951	23.09527	21.19895	21.9305	26.6791	17.26224	19.52492	12.47396	21.28534	18.64632	0.548802	0.199551	0.494676	0.291166	0.21956	0.80625
AT4G15180	ATXR3	773.9765	631.6231	557.5543	306.4248	249.7502	409.7016	435.7587	577.2061	288.9688	534.4613	476.2596	540.7432	-0.98635	0.564522	-0.57024	0.028014	-0.325505	0.442556
AT4G15200	FH3	1.188904	0	0	0.412416	0	0	3.57214	0	3.904984	9.595356	34.58868	7.251346	-0.4378	0.554252	0.711583	0.328301	0.625305	NA
AT4G15210	BAM5	30.17794	51.74313	36.05432	20.62078	16.56168	7.974276	18.67537	28.05114	18.54867	294.5774	420.3855	125.3447	-1.67435	0.001408	-1.31067	0.017634	1.576185	0.801268
AT4G15215	PDRI3	54.68958	57.09587	47.64321	49.02258	70.7757	73.81219	84.15342	60.52725	45.09817	46.56169	59.04667	0	-0.4704	0.903874	-0.43819	0.178668	-0.07039	0.924386
AT4G15230	ABC30	11.88904	14.27397	20.60247	14.02213	14.57428	20.93366	19.56468	18.34113	12.6912	12.47396	14.63367	15.5386	0.039362	0.945218	0.099846	0.865207	-0.12157	NA
AT4G15233	AT4G15233	66.57862	89.2123	75.97161	139.3965	135.8058	190.3966	181.4179	201.7524	112.2683	52.77446	47.89202	61.11849	0.964064	0.00015	1.056622	3.83E-05	-0.47404	0.288634
AT4G15236	ABC34	2.377808	14.27397	15.45185	28.86909	33.78583	38.87679	72.03358	69.04896	51.74104	8.635821	10.64267	8.287252	1.103539	0.001999	2.005359	2.44E-09	-0.543	0.456833
AT4G15240	AT4G15240	103.4346	92.78079	70.82099	73.40997	88.10815	80.7441	67.58706	80.91675	67.36097	70.0461	63.85603	69.40574	-0.14043	0.599386	-0.29945	0.257767	-0.37503	0.319915
AT4G15242	AT4G15242	0	0	0	0	0	0	1.778607	0	0	0	0	0	0	NA	0.26262	NA	0.150298	NA
AT4G15248	AT4G15248	16.64466	19.62671	10.30123	19.38353	17.22415	12.95893	6.225124	4.31556	6.833722	43.1791	51.88302	37.29264	0.131307	0.796758	-1.12027	0.017118	1.401605	0.002443
AT4G15250	COL11	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0	NA
AT4G15258	SNOR37-2	1.188904	3.568492	3.862963	4.124156	2.649869	1.993682	2.66791	4.31556	2.928738	5.757214	3.991002	6.215439	0.055367	0.947998	0.120614	0.889016	0.608171	NA
AT4G15260	AT4G15260	73.71204	99.91778	109.4506	186.8243	160.9795	150.523	172.5249	203.9102	232.3465	71.00564	83.81104	61.11849	0.80534	0.000157	1.077286	2.98E-07	-0.37695	0.323717
AT4G15270	AT4G15270	0	0	0	10.31039	15.23675	7.974726	13.3995	8.63112	11.71495	0	0	0	1.759442	0.002085	1.730981	0.003322	-0.84222	NA
AT4G15280	UGT71B5	4.755616	3.568492	2.575309	19.79595	29.14856	17.94313	18.86977	32.3667	28.31113	0	0	4.143626	2.020827	4.35E-05	2.186412	1.14E-05	-0.66396	NA
AT4G15290	CSL85	1.188904	0	0	1.237247	0	0	1.778607	2.15778	0	0	1.330334	0	-0.0012	NA	0.363206	NA	-0.02367	NA
AT4G15300	CYP702A2	0	0	0	0.824831	0	0	0.889303	0	0	0.959536	1.330334	0	0.152384	NA	0.148191	NA	0.358901	NA
AT4G15310	CYP702A3	0	0	0	0	0	0	0.889303	1.07889	0	0.959536	0	0	0	NA	0.340278	NA	0.175396	NA
AT4G15320	ATCSL806	2.377808	5.352738	3.862963	1.649662	0.662467	4.984204	4.446517	1.07889	0	5.757214	2.660668	1.035907	-0.39154	0.603883	-0.49537	0.520471	-0.12014	NA
AT4G15330	CYP705A1	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT4G15340	PEN1	0	0	0	0.824831	1.987402	0	0.889303	0	0	0	1.330334	0	0.484324	NA	0.137636	NA	0.186595	NA
AT4G15345	CYP702A4P	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0	NA
AT4G15350	CYP705A2	0	0	0	0	0	0	0.889303	0	0	0	1.330334	0	0	NA	0.141773	NA	0.183636	NA
AT4G15360	CYP705A3	0	1.784246	0	0.412416	0	0	0.889303	0	0	0.959536	1.330334	1.035907	-0.24909	NA	-0.11331	NA	0.306186	NA
AT4G15370	BARS1	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.098893	NA	0	NA	0.150283	NA
AT4G15380	CYP705A4	0	1.784246	2.575309	0.412416	1.987402	4.984204	0.889303	5.39445	2.928738	4.797678	5.321336	4.143626	0.214514	0.789226	0.469593	0.544305	0.865942	NA
AT4G15390	AT4G15390	1.188904	0	0	0	0.662467	0	0	0	0	0	0	1.035907	-0.09382	NA	-0.21476	NA	-0.02619	NA
AT4G15393	CYP702A5	0	0	0	0	1.324935	0	0	0	0	0	0	0	0.21675	NA	0	NA	0	NA
AT4G15396	CYP702A6	1.188904	0	2.575309	1.649662	1.324935	0	0	0	0	0	0	0	-0.03046	NA	-0.63599	NA	-0.6183	NA
AT4G15398	CYP702A7P	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0	NA
AT4G15400	AT4G15400	0	0	0	1.237247	0	0	0	0	0	0.976246	0.959536	0	0.20978	NA	0.138561	NA	0.143191	NA
AT4G15410	PUX5	136.724	123.113	82.40988	108.8777	117.9192	131.583	113.8308	112.2046	131.7932	118.9824	127.7121	73.54936	0.059132	0.854702	0.063549	0.854993	-0.0956	0.86931
AT4G15415	B'GAMMA	467.2393	412.1608	372.1321	322.9214	326.5964	379.7963	400.1866	367.9015	273.3489	331.9993	343.2262	379.1418	-0.28147	0.129531	-0.26028	0.189464	-0.2432	0.416844
AT4G15417	ATRTL1	1.188904	0	0	0.402213	15.23675	11.96209	14.22886	10.7889	11.71495	0	0	0.2071813	2.543589	4.23E-06	2.362006	3.22E-05	-0.0465	NA
AT4G15420	AT4G15420	234.2141	237.3047	231.7778	278.3805	280.2237	284.0996	288.1343	298.8525	257.7289	216.8551	242.1208	215.4686	0.257462	0.081157	0.261089	0.0959782	-0.06311	0.851906
AT4G15430	AT4G15430	67.76752	39.25341	47.64321	30.10634	28.48609	33.89259	16.00746	16.18335	8.786214	48.93632	46.56169	31.0772	-0.71752	0.025884	-1.75332	2.42E-07	-0.29018	0.630253
AT4G15440	CYP74B2	79.65566	66.0171	52.79383	69.28582	52.99738	60.80727	20.20077	240.5925	217.7029	98.83217	83.81104	74.85827	-0.1118	0.702397	1.688665	3.51E-16	0.356421	0.316664
AT4G15450	AT4G15450	198.547	158.7979	230.4901	111.3522	100.0326	98.68724	132.5062	128.3879	125.9357	203.4216	226.1568	171.9605	-0.9037	5.63E-07	-0.59872	0.001925	0.019023	0.970982
AT4G15460	AT4G15460	0	0	0	0	0	0	1.07889	0	0	0	0	0	0	NA	0.156853	NA	0.149599	NA
AT4G15470	AT4G15470	680.0531	681.582	655.4161	871.0217	894.9933	820.4	746.1256	782.1952	863.0015	509.5134	476.2596	549.0305	0.357625	0.001943	0.243579	0.05345	-0.38788	0.010751
AT4G15475	FLB4	254.4254	251.5787	296.1605	217.7554	204.0399	239.2418	284.5771	289.1425	236.2515	246.6007	252.7635	248.6176	-0.28258	0.080543	0.010972	0.9061278	-0.10253	0.752644
AT4G15480	UGT84A1	8.322328	5.352738	9.01358	5.73818	4.637271	3.987363	4.46517	2.15778	2.928738	10.55489	5.321336	10.35907	-0.48748	0.433214	-0.88135	0.161321	0.178056	NA
AT4G15490	UGT84A3	191.4135	181.9931	164.8198	154.2434	147.0677	113.6398	194.7575	228.7247	264.5627	204.3811	232.8084	213.3967	-0.35285	0.074217	0.345108	0.090909	0.264478	0.407006
AT4G15500	UGT84A4	34.47821	39.25341	41.20494	34.64291	41.07297	42.86415	14.22886	18.34113	26.35864	17.27164	21.28534	23.82585	0.041413	0.924513	-0.88696	0.01154	-0.81077	0.094676
AT4G15510	PPD1	410.1719	417.5136	467.4185	293.2275	340.5082	257.1849	285.664	282.6692	284.0876	566.126	742.3264	510.7019	-0.52615	0.002507	-0.59185	0.000839	0.477346	0.038778
AT4G15520	AT4G15520	115.3237	121.3287	126.1901	175.689	214.6394	187.4061	152.7009	137.019	164.9856	125.6992	115.7391	105.6625	0.656029	0.000218	0.318439	1.12501	-0.06058	0.974485
AT4G15530	PPDK	602.7743	496.0204	464.8432	666.0512	629.3439	716.7285	481.1132	568.575	417.8333	467.2939	381.8058	427.8292	0.354546	0.034509	-0.09321	0.66277	-0.28659	0.279009
AT4G15540	AT4G15540	618.2301	747.5991	657.9914	993.0967	1029.474	1017.774	969.3408	828.5875	647.2511	614.1028	590.6683	667.1238	0.580126	0.0002	0.271539	0.126749	-0.10728	0.748116
AT4G15545	AT4G15545	2998.416	3837.913	3604.145	2345.82	2304.061	2315.661	3146.356	3294.93	2592.909	2927.543	2924.074	3338.727	-0.57574	1.77E-05	-0.2054	0.189857	-0.18076	0.452999
AT4G15550	UGT75D1	191.4135	176.6404	168.6827	118.3633	138.4557	103.6714	66.69776	63.65451	54.66978	145.8494	162.3007	143.991	-0.55518	0.00027	-1.49352	2.7E-15	-0.24698	0.442937
AT4G15560	DXS	8468.563	8178.984	7268.809	3099.715	2823.436	3492.93	2609.216	2781.378	1774.815	7131.269	7149.215	6666.059	-1.31972	6.25E-17	-1.70581</			

AT4G15975	ATL17	15.45575	8.92123	2.575309	24.33252	23.18635	26.9147	17.78607	11.86779	23.4299	7.676285	5.321336	5.179533	1.235119	0.00687	0.799318	0.121819	-0.43675	NA	
AT4G15980	PME43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.172362	NA
AT4G15990	AT4G15990	2.377808	1.784246	6.438272	1.649662	0.662467	1.993682	1.778607	2.15778	4.88123	1.919071	0	0	0	0	0	0	-0.53576	NA	
AT4G16000	AT4G16000	32.10041	32.11643	38.62963	39.5919	52.99738	31.8989	34.68284	19.42002	41.00233	40.3005	30.59768	48.68761	0.262206	0.500201	-0.09974	0.83465	0.206838	0.77299	
AT4G16008	AT4G16008	45.17835	23.1952	4.50679	16.90904	24.51129	13.95577	22.23259	11.86779	10.73871	30.70514	49.22236	27.96948	-0.94073	0.014808	-1.19189	0.003162	-0.09991	0.914481	
AT4G16010	AT4G16010	1.188904	0	1.287654	0.412416	0	0	0.662467	0	1.07889	0	0	0	-0.23284	NA	-0.26035	NA	-0.46802	NA	
AT4G16015	AT4G16015	2.377808	8.92123	12.87654	2.886909	1.987402	3.987363	5.335821	0	5.857476	7.676285	7.982004	7.251346	-0.99086	0.1083	-0.71447	0.293838	-0.03009	NA	
AT4G16020	AT4G16020	1.188904	0	0	0	0	0	1.778607	0	0	0	0	0	-0.21078	NA	0.091088	NA	-0.1879	NA	
AT4G16024	AT4G16024	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT4G16030	AT4G16030	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.065109	NA	0	NA	0.150531	NA	
AT4G16040	AT4G16040	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT4G16045	AT4G16045	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT4G16050	AT4G16050	2.377808	1.784246	2.575309	0.412416	1.987402	0	0.889303	1.07889	0	0.959536	0	1.035907	-0.57411	0.404887	-0.6497	0.350111	-0.61417	NA	
AT4G16060	AT4G16060	162.8798	157.0137	185.4222	223.5292	244.4504	196.3776	221.4366	224.4091	263.5864	236.0458	246.1118	268.2998	0.388231	0.023498	0.475582	0.006346	0.555357	0.009182	
AT4G16070	AT4G16070	147.4241	153.4452	142.9296	127.4364	104.6698	119.6209	136.6304	157.5179	74.1947	151.6066	151.6581	136.7397	-0.31913	0.224427	-0.26086	0.365444	-0.0107	0.988019	
AT4G16080	AT4G16080	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT4G16090	AT4G16090	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0.172362	NA	
AT4G16095	AT4G16095	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT4G16100	AT4G16100	52.31177	44.60615	61.80741	72.58514	79.49607	59.81045	65.80846	62.57562	79.07593	30.70514	50.55269	46.61579	0.397722	0.156512	0.357765	0.242466	-0.32243	0.524933	
AT4G16105	AT4G16105	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT4G16110	ARR2	162.8798	139.1712	133.9161	175.689	143.7554	183.4187	176.0821	194.2002	120.0783	122.8206	127.7121	128.4524	0.194816	0.042086	0.159762	0.546635	-0.20013	0.626348	
AT4G16120	COB17	190.2246	123.113	97.86173	80.83345	72.8714	94.69987	78.25871	94.94231	60.52725	106.5085	117.0694	105.6625	-0.70882	0.006189	-0.78709	0.003235	-0.31543	0.493509	
AT4G16130	ARA1	418.4942	306.8903	298.7358	262.2963	215.9643	287.0901	257.898	330.1403	192.3205	273.4677	315.2892	305.5924	-0.41271	0.068869	-0.38495	0.108524	-0.19393	0.641169	
AT4G16140	AT4G16140	174.7689	99.91778	105.5877	76.7093	86.78321	92.70619	72.92289	48.55005	66.38473	118.0229	152.9884	102.5547	-0.56295	0.034819	-0.97342	0.000254	-0.04181	0.951963	
AT4G16141	AT4G16141	303.1705	219.4623	291.0099	318.3848	380.2562	317.9922	267.6803	257.8547	418.8095	433.7101	437.6799	332.526	0.305147	0.022228	0.202068	0.405243	0.540466	0.079514	
AT4G16143	IMPA2	1045.047	879.6333	861.4408	642.5435	594.8956	711.7443	625.1803	715.304	666.776	673.594	614.6143	685.7701	-0.51373	0.000073	-0.47022	0.000433	-0.49176	0.002443	
AT4G16144	AMSH3	137.9129	157.0137	144.2173	154.2434	111.2945	155.5072	159.1853	133.7824	93.71962	110.3466	98.44471	134.6678	-0.05508	0.857321	-0.17106	0.562412	-0.33312	0.411432	
AT4G16146	AT4G16146	49.9397	85.64381	105.5877	242.5004	261.6746	182.4219	346.8284	298.8525	558.4127	148.728	146.3367	140.8833	1.430332	1.13E-07	2.200427	4.18E-17	0.803813	0.035349	
AT4G16150	CMTA5	676.4863	587.0169	512.4864	411.5970	344.483	459.5436	448.209	507.0783	388.5459	405.8836	324.6015	373.9623	-0.53931	0.001902	-0.39569	0.033482	-0.66917	0.001462	
AT4G16155	LPD2	911.8893	786.0648	925.8235	507.2712	482.2762	556.2372	677.4689	771.4063	618.94	905.8016	1015.045	904.3464	-0.80643	6.92E-11	-0.32792	0.016923	0.055371	0.853499	
AT4G16160	OEPI2	3.566712	0	5.150617	2.474493	0.662467	2.960522	2.66791	2.15778	2.928738	3.838143	0	1.413626	-0.33191	0.66689	-0.12997	0.883269	-0.07378	NA	
AT4G16162	AT4G16162	7.133424	3.568492	5.150617	3.299325	9.274542	9.968408	5.335821	3.23667	3.904984	2.878607	2.660668	0.103907	0.333311	0.632989	-0.24541	0.757178	-0.77727	NA	
AT4G16165	AT4G16165	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT4G16180	AT4G16180	531.4401	490.6677	502.1852	400.4555	336.5334	426.6479	487.3383	522.1827	385.6172	490.3227	457.6349	453.7271	-0.3869	0.013868	-0.12761	0.505372	-0.11966	0.699234	
AT4G16190	AT4G16190	3414.532	4583.728	3829.484	5979.201	5783.339	5584.302	8197.599	8831.793	8519.699	3748.906	3551.992	3767.592	0.548563	3.27E-06	1.101581	1.52E-22	-0.09334	0.702755	
AT4G16195	AT4G16195	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA	
AT4G16200	AT4G16200	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT4G16210	ECHIA	139.1018	132.0342	121.0395	268.0701	206.0273	219.305	168.0784	183.4113	196.2254	126.6587	129.0424	120.1652	0.812569	3.25E-06	0.468896	0.015937	-0.06213	0.892182	
AT4G16215	AT4G16215	0	0	0	0	0	0	0	0	1.952492	0	0	0	0	NA	0.255433	NA	0	NA	
AT4G16220	AT4G16220	0	0	0	0	0	0	0	0	0	0.959536	0	0	0	NA	0	NA	0.171512	NA	
AT4G16230	AT4G16230	2.377808	0	1.287654	0.412416	0.662467	0	1.778607	2.15778	0	0.959536	1.330334	0	-0.4926	0.459854	0.019531	0.980879	-0.24665	NA	
AT4G16235	AT4G16235	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT4G16240	AT4G16240	2.377808	1.784246	0	7.835896	9.274542	4.984204	2.66791	3.23667	0	2.878607	0	6.215439	1.246	0.050139	1.140927	0.089216	0.449875	NA	
AT4G16250	PHYD	193.7913	264.0684	222.7642	135.6847	113.2819	158.4977	199.204	262.1703	158.5119	161.202	142.3457	148.1346	-0.12653	0.000989	-0.12681	0.652605	-0.5635	0.066486	
AT4G16260	AT4G16260	35.66712	28.54794	43.78025	166.2035	155.6798	170.4598	417.9726	403.5048	489.0992	17.27164	21.28534	24.86176	2.079141	2.86E-22	3.471276	9.24E-63	-0.72728	0.073815	
AT4G16265	NRPB98	27.34479	23.1952	37.34198	42.89122	37.09817	32.89557	33.79353	21.5778	37.09735	29.7456	27.93701	35.22082	0.338766	0.348973	0.058994	0.900768	0.062001	0.943997	
AT4G16267	AT4G16267	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT4G16270	PER40	13.07794	17.84246	7.725926	4.536571	4.637271	2.990522	8.893035	3.23667	1.952492	23.98839	15.96401	13.46678	-1.241	0.017722	-1.06125	0.060393	0.446208	NA	
AT4G16280	FCA	225.8917	206.9725	208.6	244.9749	202.0525	234.2576	275.6841	230.8824	183.5342	192.8667	224.8264	215.4686	0.084145	0.715583	0.102764	0.6698	-0.02337	0.963091	
AT4G16295	SPH1	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT4G16310	LDL3	341.2154	308.6746	251.0926	147.2324	155.6798	181.425	226.7724	227.6458	141.5557	209.1788	220.8354	248.6176	-0.87657	1.46E-05	-0.57912	0.007369	-0.39698	0.220003	
AT4G16330	AT4G16330	280.5813	281.9109	300.0235	380.2472	422.6541	412.6921	377.954	373.2959	385.6172	262.9128	240.7904	266.228	0.485696	0.000124	0.39319	0.003512	-0.1596	0.518609	
AT4G16340	SPK1	605.1521	460.3355	405.6111	193.8353	162.3045	222.2956	224.9938	256.7758	181.5818	175.1784	341.8958	391.5727	-1.31878	1.18E-12	-1.1225	3.21E-09	-0.39875	0.179952	
AT4G16350	CB16	4.755616	7.136984	5.150617	3.299325	6.624763	3.987363	4.446517	1.07889	2.928738	0	2.660668	5.179533	-0.16332	0.834291	-0.59577	0.414303	-0.6767	NA	
AT4G16355	AT4G16355	1.188904	0	2.575309	0	1.987402	1.993682	0	0	0.976246	0.959536	0	3.10772	-0.01646	0.983726	-0.43429	0.52771	0.037581	NA	
AT4G16360	KINB2	355.4823	378.2602	363.1185	320.8593	333.8835	277.1217	315.7027	316.1148	309.7336	405.8836	369.8328	371.8904	-0.22367	0.116841	-0.17066	0.280178	0.068534	0.818874	
AT4G16370	ATOP73	728.7981	579.88	473.8568	562.5348	460.4148	508.3888	366.393	485.5005	374.8785	414.5194	361.8508								

AT4G16748	AT4G16748	1.188904	0	0	25.6977	25.6977	0	0.996841	0	0	0.959536	0	1.035907	-0.08505	NA	-0.24732	NA	0.135916	NA
AT4G16750	ERF039	20.21137	8.92123	20.60247	25.56977	25.83622	15.94945	29.34701	18.34113	36.1211	20.15025	14.63367	31.0772	0.362632	0.442641	0.627069	0.174228	0.323677	0.696168
AT4G16760	ACX1	1022.457	920.671	973.6647	1164.662	1104.995	1273.962	1122.301	1129.598	1027.987	879.8942	973.9621	809.043	0.275178	0.028973	0.165794	0.241016	-0.12376	0.594257
AT4G16765	AT4G16765	101.0568	133.8185	132.6284	155.4807	171.579	125.6019	142.2886	134.8612	106.4108	112.2657	127.7121	84.94434	0.305873	0.206544	0.067188	0.831626	-0.1708	0.712038
AT4G16770	AT4G16770	200.9248	255.1472	278.1333	127.4364	109.6966	126.5988	133.3955	139.1768	100.5533	276.3463	230.1478	300.4129	-0.98308	1.59E-07	-0.94792	9.68E-07	0.140636	0.71872
AT4G16780	HAT4	348.3489	451.4142	381.1457	195.0726	181.516	186.4092	128.0597	128.3879	118.1258	279.2249	286.0218	254.833	-1.04295	1.08E-13	-1.6208	6.56E-28	-0.51237	0.006153
AT4G16790	AT4G16790	153.3686	103.4863	135.2037	125.7868	106.6572	136.5672	140.51	98.17898	111.292	142.9708	154.3187	122.37	-0.10228	0.704435	-0.16722	0.54047	0.078127	0.879034
AT4G16800	AT4G16800	80.84547	80.29107	90.1358	101.8666	102.6824	106.662	171.4428	86.3112	114.2208	98.83217	73.16837	149.1705	0.290315	0.330432	0.10279	0.780446	0.343243	0.467997
AT4G16807	AT4G16807	29.7226	19.62671	25.75309	18.14629	26.49869	26.9147	20.45398	16.18335	18.54867	23.02886	33.25835	37.29264	-0.112	0.807566	-0.41595	0.343318	0.264642	0.713129
AT4G16810	AT4G16810	0	0	0	0.662467	0	0	0	1.07889	0	0	0	0	0.098648	NA	0.150881	NA	0	NA
AT4G16820	PLA-[beta]2	1.188904	1.784246	2.575309	2.886909	2.649869	0.996841	2.66791	3.23667	9.76246	2.878607	1.330334	1.035907	0.120862	0.884941	0.867177	0.219367	-0.03865	NA
AT4G16830	AT4G16830	1197.226	1190.092	1048.151	1031.864	1042.061	965.9387	945.3296	1129.598	1410.675	996.9575	965.8225	949.9263	-0.17268	0.313667	0.020656	0.925506	-0.2339	0.355051
AT4G16835	DYW10	32.10041	26.76369	37.34198	37.1174	25.83622	46.85152	53.35821	51.78672	22.45366	31.66468	42.57069	32.1131	0.148324	0.743861	0.360443	0.404461	0.110146	0.89957
AT4G16840	AT4G16840	36.85602	44.60615	46.35556	82.89553	104.6698	87.72199	90.70896	59.33895	123.007	44.13864	62.5257	22.78994	1.025983	0.001772	0.1016907	0.002602	0.001224	0.998453
AT4G16845	VRN2	186.6579	228.3835	213.7506	309.7241	331.2336	331.948	332.5995	291.3003	208.9166	262.9128	321.9408	233.079	0.616463	0.001805	0.399596	0.066081	0.369221	0.241305
AT4G16850	AT4G16850	48.74506	74.93833	70.82099	71.34789	86.12075	82.73778	68.47637	61.49673	50.76479	39.34096	47.89202	46.61579	0.303928	0.265379	-0.08281	0.81595	-0.50277	0.224956
AT4G16855	AT4G16855	2.377808	0	0	0	0	0	0	1.07889	0.976246	0	0	0	-0.45161	NA	-0.05348	NA	-0.406	NA
AT4G16860	RPP4	1999.736	1966.239	1814.305	1728.846	1710.49	2221.958	2246.381	2231.144	1447.773	1526.621	1517.911	1638.804	-0.03067	0.902216	-0.03067	0.890996	-0.29685	0.309635
AT4G16870	AT4G16870	1054.558	818.9689	799.6333	534.903	477.6389	649.9402	819.0485	829.6664	520.3391	828.0792	925.9124	813.1866	-0.67007	0.000835	-0.29458	0.200732	-0.05853	0.904164
AT4G16880	AT4G16880	598.0187	704.7772	595.2729	595.1157	584.2961	537.2972	743.4577	555.6283	504.7192	818.4839	831.4587	802.8276	-0.08187	0.299391	-0.11562	0.562019	0.318888	0.183986
AT4G16890	SN1	2817.702	2626.41	2262.409	1914.846	1720.428	2607.735	2729.272	2905.541	1654.731	2137.845	2237.622	2356.687	-0.29521	0.213252	-0.07781	0.793832	-0.18895	0.64996
AT4G16892	AT4G16892	39.23383	35.68492	37.34198	33.40566	37.76063	36.88311	26.6791	35.60337	25.3824	46.05771	41.24035	34.18492	-0.06411	0.86382	-0.34648	0.338653	-0.04635	0.880443
AT4G16900	AT4G16900	260.37	276.5581	226.6272	148.4696	121.2315	201.3618	216.99	264.328	161.0806	211.0978	238.1298	212.3608	-0.68149	0.0023	-0.24005	0.368653	-0.19922	0.643032
AT4G16910	AT4G16910	14.26685	14.27397	14.1642	3.299235	0.662467	10.96525	8.893035	6.47334	1.952492	14.39303	10.64267	12.43088	-1.23761	0.025151	-0.96745	0.106243	-0.13429	NA
AT4G16915	AT4G16915	4.755616	3.568492	2.575309	0.248311	1.324935	0.996841	1.778607	0	0.926246	1.919071	1.330334	2.071813	-0.93519	0.165523	-0.93009	0.185503	-0.55422	NA
AT4G16920	AT4G16920	647.9527	726.1881	611.6358	457.3689	445.8405	651.9339	772.8047	805.9308	326.0662	544.0567	492.2236	586.3231	-0.33622	0.268898	-0.05634	0.884884	-0.27533	0.590128
AT4G16930	AT4G16930	0	0	0	0	0	0	0	0.889303	0	0	0	0	0	NA	0	NA	0	NA
AT4G16935	AT4G16935	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	NA	0.16673	NA	0	NA
AT4G16940	AT4G16940	129.5905	153.4452	119.7519	85.37002	37.09817	106.662	128.0597	129.4668	57.59851	107.468	113.0784	82.87252	-0.75046	0.034254	-0.32196	0.439952	-0.37341	0.554206
AT4G16950	RPP5	2415.853	2335.578	2007.453	1687.605	1599.858	2333.604	2315.746	2531.076	1643.998	1754.031	1757.371	1964.079	-0.26053	0.218055	-0.05694	0.832182	-0.29613	0.348955
AT4G16960	AT4G16960	215.1916	215.8938	185.4222	202.0836	190.1281	293.0712	230.3296	254.618	124.9595	146.809	152.9884	140.8883	0.141186	0.649566	-0.01442	0.968699	-0.46221	0.254433
AT4G16970	AT4G16970	53.50068	64.23286	57.94445	30.51875	27.82363	34.88943	31.12562	51.78672	19.52492	67.16749	54.54369	68.36983	-0.73041	0.026753	-0.73041	0.026753	0.122453	0.86037
AT4G16980	AT4G16980	3393.132	2563.962	2367.996	1116.821	1125.5302	1097.522	684.7637	710.9885	1097.3	2663.671	3005.224	1884.316	-1.27485	1.29E-09	-1.68218	4.99E-10	-0.13647	0.76911
AT4G16990	RLM3	4238.443	4887.05	4175.863	3440.783	2983.09	4188.725	2795.081	2802.956	1375.765	3572.351	3579.929	3596.667	-0.31799	0.121769	-0.83762	7.69E-06	-0.29962	0.392981
AT4G17000	AT4G17000	67.76752	55.31163	72.10864	77.53413	77.50867	73.76622	56.91542	48.55005	59.55101	67.16749	71.83803	82.87252	0.212429	0.414941	-0.24334	0.39832	0.164915	0.731963
AT4G17005	AT4G17005	0	1.784246	0	0	0	0	0	0	0.925373	0	0	0	-0.26756	NA	-0.24986	NA	-0.06955	NA
AT4G17010	AT4G17010	83.22328	87.42806	99.14938	185.587	171.579	164.4787	154.7388	165.0702	167.9143	129.5373	117.0694	97.37521	0.932967	2.68E-07	-0.29957	1.13E-05	0.33887	0.292233
AT4G17020	AT4G17020	162.8798	148.0924	145.5049	167.0283	175.5538	166.4724	205.4291	166.1491	161.0806	133.3755	174.2738	167.8169	0.151166	0.474326	0.217900	0.309588	0.048244	0.917194
AT4G17030	EXL18	52.31177	51.74313	54.08148	38.76706	32.4609	50.83888	41.79726	31.28781	60.52725	62.36982	39.91002	46.61579	-0.36942	0.270247	-0.22404	0.059761	-0.07013	0.927935
AT4G17040	CLP4	2079.393	2685.29	2433.667	2183.328	2233.84	2305.693	2690.143	2750.09	2550.931	2305.764	2284.183	2448.883	-0.09639	0.479378	0.151185	0.258484	-0.03008	0.917371
AT4G17050	UGYRA	412.5497	440.7088	442.9531	376.9478	374.9565	328.9575	394.8507	380.8481	461.7644	561.3283	530.8033	500.3429	-0.25266	0.077271	-0.06432	0.724886	0.295348	0.141442
AT4G17060	FIP2	133.1572	160.5821	141.642	159.6048	163.6294	154.5103	126.2811	145.6501	187.4392	142.0113	154.3187	125.3447	0.139952	0.541288	0.081477	0.759144	-0.04131	0.935197
AT4G17070	AT4G17070	84.41218	107.0548	96.57408	273.9638	189.4656	183.4187	123.6132	170.4646	152.2944	66.20796	75.82904	64.2262	1.079395	8.37E-08	0.618347	0.00345	-0.45994	0.190931
AT4G17080	AT4G17080	222.325	244.4417	236.9284	273.3143	254.3874	263.166	262.3445	279.4325	213.7979	212.0574	227.4871	210.289	0.171219	0.318764	0.1033	0.605112	-0.11214	0.729573
AT4G17085	AT4G17085	4.755616	8.92123	3.826923	7.42348	7.28714	3.987363	6.225124	4.31556	23.4299	8.388143	7.982004	10.35907	0.098406	0.898917	0.718243	0.273836	0.245456	NA
AT4G17090	BAM3	1470.674	1580.842	1198.806	1197.655	1061.935	1488.283	2351.318	2770.589	2594.862	1416.275	1435.43	1362.217	-0.17937	0.313005	0.847594	1.73E-08	-0.01119	0.981084
AT4G17098	AT4G17098	1.188904	0	0	3.826923	2.474493	3.974804	3.987363	4.446517	1.07889	6.833722	1.919071	7.982004	0.419736	0.567574	0.609684	0.410446	0.88824	0.104466
AT4G17100	AT4G17100	30.9115	33.90067	21.89012	41.24156	28.48609	27.91154	40.01866	46.39227	44.90732	24.94793	26.60668	31.0772	0.199726	0.605365	0.569494	0.107521	-0.0523	0.953945
AT4G17140	AT4G17140	89.5.2447	710.1299	548.5407	331.1697	284.8609	479.4804	838.6132	1152.254	72.3627	546.9353	570.7133	620.508	-0.943	4.95E-05	0.321927	0.236949	-0.29816	0.477718
AT4G17150	AT4G17150	317.4374	271.2054	244.6543	388.4955	382.2436	423.6573	392.1828	389.4793	351.4486	298.4156	300.6555	297.3052	0.506052	0.000293	0.433903	0.003205</		

AT4G17616	AT4G17616	136.724	119.5445	113.3136	114.2391	126.5312	139.5577	142.2886	132.7035	86.88589	139.1327	110.4177	151.2424	0.029134	0.925071	-0.03163	0.922842	0.116159	0.815889
AT4G17620	AT4G17620	170.0133	160.5821	200.8741	224.3541	200.7276	209.3366	153.8495	167.2279	209.8929	141.0517	168.9524	170.9246	0.248283	0.209675	-0.007	0.979164	-0.14917	0.687982
AT4G17640	CKB2	539.7624	640.5443	678.5938	751.0088	792.9733	749.6233	720.3358	782.1952	659.1232	624.6577	673.149	639.1543	0.302101	0.023738	0.212119	0.149382	0.059652	0.84464
AT4G17650	AT4G17650	104.6235	130.25	144.2173	191.7732	176.2163	202.3587	215.2114	190.9635	152.2944	123.7801	89.13238	105.6625	0.575581	0.005284	0.548597	0.010922	-0.23022	0.563723
AT4G17660	AT4G17660	3.566712	5.352738	1.287654	44.12847	51.67245	58.81361	36.46144	25.89336	48.8123	2.878607	2.660668	2.078113	3.198225	2.29E-13	2.75156	8.41E-10	-0.25273	0.838821
AT4G17670	AT4G17670	66.57862	69.5856	63.0956	37.04223	423.3166	272.1375	385.0684	274.038	385.6112	69.08657	70.5077	58.01077	2.348018	3.34E-27	2.303657	6.05E-26	-0.01628	0.983524
AT4G17680	AT4G17680	23.77808	24.97944	28.3284	11.13522	9.937009	15.94945	7.114428	6.47334	10.73871	33.58375	34.58868	16.5745	-0.96967	0.017143	-1.41724	0.001042	0.12376	0.894009
AT4G17690	PERA1	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G17695	KAN3	41.61164	53.52738	56.65679	99.80457	106.6572	103.6714	70.25498	77.68008	49.78855	55.65307	58.53469	46.61579	0.998898	2.88E-05	0.368053	0.210652	0.080765	0.898417
AT4G17700	AT4G17700	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT4G17710	HGD4	0	0	1.287654	0.824831	1.324935	0	0	0.889303	0	0	1.919071	0	0.149806	NA	0.089482	NA	0	NA
AT4G17713	AT4G17713	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G17718	AT4G17718	0	0	0	0	0	0	0	0.889303	0	0	1.330334	0	0	NA	0.141773	NA	0.183636	NA
AT4G17720	AT4G17720	255.6143	290.8321	266.5444	712.6541	719.4395	639.9718	563.8184	575.0483	784.9018	324.323	371.1632	267.2639	1.325575	2.21E-15	1.218843	5.87E-13	0.237277	0.462976
AT4G17730	SY2P3	756.1429	793.9895	885.9062	658.2153	683.0038	683.8328	948.8868	815.6408	932.3149	791.6169	868.7081	719.955	-0.26491	0.044402	0.145887	0.329852	-0.03502	0.911082
AT4G17740	CTPA2	318.6263	387.1814	366.9815	294.8771	276.2489	267.1533	373.5075	343.087	334.8524	389.5715	368.5025	399.8599	-0.34114	0.013782	-0.02172	0.911414	0.116384	0.661914
AT4G17750	HSFA1A	73.71204	83.85956	66.95803	80.08862	68.8966	88.71883	75.5908	89.54786	47.83605	71.00564	54.54369	74.58527	0.081204	0.808733	-0.06814	0.854545	-0.14166	0.806773
AT4G17760	AT4G17760	10.70014	7.136984	20.60247	11.96005	7.949607	8.971567	10.67164	6.47334	5.857476	9.595356	10.64267	12.43088	-0.34313	0.539198	-0.61402	0.28013	-0.2188	NA
AT4G17765	AT4G17765	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G17770	TP55	341.2154	248.0102	235.6407	144.7579	151.0425	139.5577	120.9453	139.1768	129.8407	247.5602	211.5231	254.833	-0.90635	1.74E-07	-1.06408	2.26E-09	-0.20632	0.528884
AT4G17780	AT4G17780	0	0	0	0	0	0	0	0	0.976246	0	0	0	0	NA	0.16673	NA	0	NA
AT4G17785	MYB39	0	0	0	0.412416	0.662467	0	0	0	0	0	0	0	0.210648	0	0	NA	0.178505	NA
AT4G17788	MIR160B	0	0	0	0	0.662467	1.993682	0	0	0	0	0	0	0.403055	NA	0	NA	0	NA
AT4G17790	AT4G17790	252.0476	271.2054	288.4346	275.906	317.9843	301.0459	259.6766	216.8569	233.3228	279.2249	264.7365	280.7307	0.13682	0.413948	-0.18689	0.283216	0.025304	0.949347
AT4G17800	AHL23	0	3.568492	0	1.649662	1.987402	0.996841	0.289633	2.15778	1.952492	0.99536	0	2.071813	0.243232	0.754178	0.256064	0.751208	0.017073	NA
AT4G17810	AT4G17810	158.1242	171.2876	197.0111	121.6626	104.0074	101.6778	113.8308	93.86342	146.3469	225.4909	274.0488	159.5296	-0.65385	0.005588	-0.54843	0.028934	0.390209	0.441758
AT4G17820	AT4G17820	0	0	0	0	0.662467	0	0.889303	0	0.976246	0.99536	1.330334	0	0.079723	NA	0.340491	NA	0.386339	NA
AT4G17830	AT4G17830	304.3594	355.065	292.2975	490.7745	425.9665	438.6099	398.408	440.1871	356.3298	266.7509	208.8624	254.833	0.510742	0.000691	0.327843	0.054497	-0.36346	0.128597
AT4G17840	AT4G17840	653.8972	815.4004	722.3741	839.6781	821.4594	853.2957	1052.046	966.6854	653.1086	818.4839	803.5217	831.8329	0.196304	0.317457	0.282553	0.149151	0.162135	0.625893
AT4G17850	AT4G17850	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G17860	AT4G17860	4.755616	3.568492	10.30123	6.598649	5.299738	8.971567	7.114428	10.7889	4.88123	7.676285	15.96401	9.323159	0.057071	0.938178	0.174634	0.813771	0.584329	NA
AT4G17870	PYR1	486.2617	488.8834	539.5272	466.8544	538.5859	465.5246	423.3085	368.9804	749.7569	514.3111	550.7583	555.2459	-0.04107	0.89348	0.024999	0.399071	0.093356	0.858201
AT4G17880	MYC4	539.7624	363.9862	401.7482	147.6448	139.7806	198.3713	147.6244	145.6501	142.5319	365.5831	376.4845	413.3267	-1.40969	1.98E-15	-1.54798	1.52E-17	-0.17704	0.616471
AT4G17890	AGD8	550.4625	565.606	547.2531	507.7212	547.8604	499.4172	534.4714	418.6093	372.926	648.6461	598.6503	582.1795	-0.09502	0.599665	-0.31952	0.049732	0.136704	0.632849
AT4G17895	UBP20	115.3237	92.78079	103.0123	99.80457	122.5564	109.6525	133.3955	112.2046	105.4346	95.95356	118.3997	111.8779	0.076388	0.769991	0.162609	0.525712	0.050844	0.922598
AT4G17900	AT4G17900	311.4928	346.1437	319.3383	723.3769	759.85	677.8157	799.4388	781.1163	719.9433	262.9128	270.0578	293.1615	1.139966	9.7E-23	1.227293	7.6E-26	-0.23446	0.275882
AT4G17905	ATL53	14.26685	24.97944	30.9037	10.7228	11.92441	18.93997	20.45398	17.26224	7.809968	16.31211	11.97301	15.5386	-0.68455	0.130733	-0.52513	0.295825	-0.56393	0.458914
AT4G17910	AT4G17910	1.188904	0	0	0.2062078	0	0.996841	0	1.07889	0.976246	0.99536	1.330334	2.078113	0.299865	0.668692	0.086348	0.912108	0.438032	NA
AT4G17915	AT4G17915	123.646	119.5445	100.437	166.2035	191.453	138.5609	131.6169	103.5734	129.8407	108.4275	119.7301	120.1652	0.526061	0.009144	0.089385	0.748006	0.017957	0.976518
AT4G17914	AT4G17914	2.377808	5.352738	3.862963	1.237247	1.987402	0	0	0.976246	0.99536	1.330334	3.10772	0	-0.85024	0.212399	-1.26576	0.054885	-0.55737	NA
AT4G17915	AT4G17915	13.07794	8.92123	19.31482	18.97112	19.87402	12.95893	16.89677	10.7889	15.59618	12.47396	17.29434	13.46678	0.284278	0.566835	0.065623	0.91461	0.013551	NA
AT4G17920	ATL29	10.70014	1.784246	3.862963	2.474493	5.299738	6.977885	0.889303	2.15778	0.976246	0.995356	5.321336	3.10772	-0.17579	0.821401	-1.12578	0.092308	0.072741	NA
AT4G17930	AT4G17930	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G17940	AT4G17940	353.1045	330.0855	342.5161	541.0892	533.9486	487.4551	343.2711	358.1915	669.7048	364.6235	357.8598	324.2387	0.586579	0.010905	0.403253	0.108917	0.02698	0.96566
AT4G17950	AHL13	234.2141	214.1095	208.6	188.0615	222.589	178.345	201.8719	211.4624	172.9955	193.8262	202.2108	204.0793	-0.154	0.410745	-0.16455	0.410854	-0.13114	0.691846
AT4G17960	AT4G17960	65.38972	74.93833	70.82098	73.82239	84.13334	71.77254	65.80486	77.68008	78.07968	75.80331	66.5167	68.36363	0.126858	0.636777	0.070803	0.821727	0.008334	0.990348
AT4G17970	ALMT12	33.28931	39.25341	30.9037	16.90904	13.24935	13.95577	23.12189	17.26224	9.76246	57.57214	43.90102	52.83123	-1.09493	0.001355	-0.9292	0.011876	0.567067	0.272368
AT4G17975	AT4G17975	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0.172362	NA
AT4G17980	anac071	0	0	0	0.2062078	2.649869	0.996841	6.225124	1.07889	1.952492	0	0	0	0.886007	0.159732	1.228768	0.048381	0	NA
AT4G17990	AT4G17990	0	0	0	0.412416	0.662467	0	0	0	0	0	1.330334	0	0.213241	NA	0	NA	0.204858	NA
AT4G17998	AT4G17998	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G18000	AT4G18000	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G18010	IPSP2	191.4135	201.6198	200.8741	603.7764	551.8352	725.7001	641.1878	745.5129	595.5101	178.4736	176.9344	203.0377	1.631293	1.33E-26	1.707798	7.91E-29	-0.08514	0.831662
AT4G18020	APR82	567.1072	572.743	531.8012	499.0228	437.2284	529.3225	398.408	406.7415	329.9711	600.6693	481.5809	550.0664	-0.188	0.243828	-0.54981	0.000199	-0.03014	0.936504
AT4G18030	AT4G18030	1349.406	1231.13	1276.065	704.4058	742.6258	876.223	652.7488	721.7774	667.7523	1214.772	1234.							

AT4G18440	AT4G18440	2677.412	2528.277	2418.215	966.7021	1089.096	1047.68	1145.423	1119.888	929.3862	3984.951	5498.27	2906.754	-1.26217	2.61E-11	-1.2209	1.43E-10	0.6819	0.005908
AT4G18450	ERF091	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G18460	AT4G18460	52.31177	41.03766	66.95803	57.32576	59.62205	61.80413	57.80473	28.05114	46.85981	71.96517	122.3907	94.26749	0.129084	0.730305	-0.25899	0.491057	0.77798	0.052651
AT4G18465	AT4G18465	105.8125	107.0548	77.25926	144.3455	109.3071	147.5324	147.6244	152.1235	82.00466	117.0633	105.0964	92.19568	0.449416	0.101729	0.380812	0.200503	0.114349	0.851271
AT4G18470	SN1I	21.40027	32.11643	29.61605	28.45667	17.22415	25.91786	20.45398	18.34113	16.59618	22.06932	14.63367	22.78994	-0.16778	0.706487	-0.50875	0.234617	-0.40119	0.560065
AT4G18480	CH1I	4138.575	4319.66	4245.396	2770.195	2710.816	2761.249	2936.48	2864.453	3162.061	4030.05	3824.71	5301.77	-0.61657	2.1E-06	-0.49702	0.000209	0.050415	0.873315
AT4G18490	AT4G18490	38.04493	16.05821	33.47901	7.42348	11.92441	9.968408	16.00746	21.5778	6.833722	44.13864	54.54369	32.1131	-1.42005	0.00053	-0.88952	0.045847	0.494687	0.473656
AT4G18500	AT4G18500	0	0	1.287654	0	0	0	0	2.15778	0	0	0	0	-0.2246	NA	0.116327	NA	-0.19895	NA
AT4G18501	AT4G18501	8.3232328	1.784246	3.862963	2.474493	5.962205	3.987363	1.778607	3.23667	0.976246	9.595356	7.982004	9.323159	-0.19677	0.79209	-0.78003	0.258016	0.667286	NA
AT4G18510	CLM2	0	1.784246	5.150617	1.237247	1.324935	0	1.778607	0	0.976246	0	1.330334	0	-0.47626	0.489075	-0.45887	0.519176	-0.7115	NA
AT4G18520	PCMP-A2	221.1361	183.7773	160.9568	92.7935	100.695	112.643	154.7388	179.0957	185.4867	151.6066	133.0334	206.1454	-0.87296	1.86E-05	-0.12397	0.645797	-0.19689	0.620366
AT4G18530	AT4G18530	159.3131	190.9143	190.5728	152.5938	176.2163	161.4882	184.9751	179.0957	169.8668	198.6239	222.1658	205.1095	-0.13653	0.472589	-0.01157	0.96157	0.209995	0.468439
AT4G18540	AT4G18540	0	0	0	0.412416	1.987402	0.996841	0.889303	1.07889	2.928738	0.959536	1.330334	1.035907	0.54254	0.410745	0.774913	0.231718	0.532485	NA
AT4G18550	DSFL	2.377808	3.568492	11.58889	4.536571	5.299738	3.987363	3.557214	2.15778	2.928738	2.878607	7.982004	9.323159	-0.23994	0.744077	-0.65598	0.349895	0.125501	NA
AT4G18570	AT4G18570	480.3172	449.63	450.679	217.7554	255.0499	218.3081	220.5473	272.9592	288.9688	495.1204	541.4459	467.1938	-0.98463	3.01E-12	-0.8103	2.62E-08	0.118906	0.684666
AT4G18580	AT4G18580	48.74506	32.11643	36.05432	105.166	111.957	65.79149	80.03731	67.97007	143.5082	47.97678	49.22236	44.54398	1.175828	0.000212	1.205062	0.000195	0.232964	0.737277
AT4G18590	RPA3B	158.1242	203.404	175.121	198.3719	236.5008	189.3997	177.8607	185.5691	308.4937	232.2076	215.5141	218.5763	0.21784	0.39682	0.319203	0.214601	0.308309	0.427271
AT4G18593	AT4G18593	91.5456	99.91778	114.6012	178.1635	178.2037	141.5514	118.2774	186.463	119.942	121.0604	119.1293	0.686831	0.001779	0.490993	0.052716	0.225149	0.597722	
AT4G18596	F28I12.250	3.566712	0	0	0	0.824831	0	0.996841	0	1.07889	0.976246	0.959536	0	-0.27881	NA	-0.23852	NA	-0.3956	NA
AT4G18600	WAVE5	369.7491	289.0479	239.5037	108.8777	108.6446	141.5514	169.857	183.4113	119.942	253.3174	244.7815	219.6122	-1.2942	2.99E-10	-0.90138	2.48E-05	-0.31621	0.380077
AT4G18610	LSH9	21.40027	1.784246	11.58889	2.474493	1.987402	1.993682	1.778607	1.07889	1.952492	8.635821	10.64267	10.35907	-1.73362	0.002259	-1.86188	0.001605	-0.22723	NA
AT4G18620	PVL13	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G18630	AT4G18630	29.7226	23.1952	33.47901	31.756	26.49869	21.9305	40.90796	26.97225	20.50117	25.90746	22.61568	24.86176	-0.08833	0.845368	0.024614	0.961547	-0.2237	0.768141
AT4G18640	MRH1	170.0133	105.2705	145.5049	31.34358	33.78583	41.86731	40.90796	34.52448	23.4299	142.9708	110.4177	131.5601	-1.92485	7.02E-16	-1.99418	2.24E-15	-0.12971	0.805161
AT4G18650	AT4G18650	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G18660	AT4G18660	1.188904	0	0	0.412416	0	0	0	0	0	0	0	0	-0.10956	NA	-0.19067	NA	-0.18704	NA
AT4G18670	LXR5	519.551	296.1848	249.8049	111.3522	88.77061	116.6304	114.7201	113.2834	82.00466	237.0053	235.4691	196.8222	-1.67667	7.15E-12	-1.70217	7.47E-12	-0.64655	0.072383
AT4G18680	AT4G18680	0	1.784246	0	0.412416	0	0	0	0.889303	0	0	0	0	-0.17556	NA	-0.08634	NA	-0.25627	NA
AT4G18690	AT4G18690	1.188904	0	0	0	0	0	0	0	1.07889	0	0	0	-0.2127	NA	-0.02202	NA	-0.1938	NA
AT4G18692	AT4G18692	4.755616	5.352738	1.287654	7.011065	1.987402	2.990522	1.778607	3.23667	2.928738	0	3.991002	2.071813	0.13846	0.865412	-0.27887	0.736402	-0.49951	NA
AT4G18700	CIPK12	930.9118	968.8456	893.6321	579.4439	608.145	755.6053	640.2985	682.9373	681.4197	747.4783	823.4767	838.0484	-0.52252	5.37E-05	-0.47249	0.000405	-0.21083	0.332189
AT4G18710	ASK7	1810.701	1568.352	1512.994	865.2479	925.4668	1112.474	1148.98	115.759	924.505	1280.98	1434.1	1339.427	-0.74533	1.82E-07	-0.58234	7.99E-05	-0.26818	0.25381
AT4G18720	AT4G18720	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT4G18725	AT4G18725	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G18730	RPL11B	1053.369	1068.763	1158.889	1316.431	1377.269	1079.579	917.7612	831.8241	1520.991	1121.697	1326.343	1325.96	0.196431	0.421021	-0.00446	0.988234	0.195502	0.625212
AT4G18740	AT4G18740	300.7927	390.7499	345.0914	183.1125	215.3019	199.3682	236.5547	197.4369	272.3726	415.4789	461.6259	476.517	-0.77657	1.72E-06	-0.53484	0.001931	0.383928	0.108283
AT4G18750	DOT4	43.98945	32.11643	28.3284	35.88015	33.78583	33.89259	50.6903	65.81229	38.07359	25.90746	30.59768	36.25673	-0.02041	0.962627	0.155889	0.136029	-0.17216	0.808127
AT4G18760	ATRPLP51	146.2352	71.36984	83.69753	43.30364	52.33491	42.86415	56.02612	48.55005	64.43224	85.52006	78.4897	70.44164	-1.08117	5.12E-05	-0.80664	0.004517	-0.37904	0.417269
AT4G18770	MYB98	0	1.784246	1.287654	0	0	0.996841	0	1.778607	0	0.959536	0	0.701813	-0.3669	NA	-0.14442	NA	0.048624	NA
AT4G18780	CE5A8	84.41218	58.88012	66.95803	23.50769	14.57428	27.91154	24.01119	33.44559	15.61994	74.84378	51.88302	61.11849	-1.5808	1.76E-07	-1.43132	6.32E-06	-0.15291	0.820327
AT4G18790	NRAMP5	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G18800	RABA1D	112.9459	92.78079	86.27284	137.3344	141.1055	149.5261	137.842	132.7035	216.7266	119.942	114.4087	113.9497	0.523388	0.023936	0.708361	0.002143	0.239492	0.580037
AT4G18810	AT4G18810	571.8628	670.8765	535.6642	670.1753	556.4725	710.7475	924.8756	803.773	682.396	871.2583	820.8161	840.1202	0.123424	0.51391	0.435587	0.008349	0.505019	0.013079
AT4G18815	AT4G18815	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G18820	F28A21.230	342.4043	351.4965	309.037	178.5759	166.9418	237.2481	232.1082	265.4069	185.4867	297.456	283.3611	337.7055	-0.77441	0.00002	-0.54122	0.005102	-0.12081	0.756897
AT4G18823	AT4G18823	0	1.784246	0	0.412416	0	0.996841	0	0	0.959536	0	0	0	-0.02173	NA	-0.28675	NA	-0.07784	NA
AT4G18830	OPF5	61.82301	73.15409	81.12222	61.44992	72.20893	75.7599	70.25498	87.39009	91.76712	79.64146	109.0874	90.12387	-0.05512	0.859292	0.199156	0.496286	0.348299	0.380712
AT4G18840	PCMP-E101	20.21137	23.1952	19.31482	20.62078	13.91181	16.94629	16.89677	18.34113	19.52492	20.15025	15.96401	31.0772	-0.22966	0.61844	-0.1666	0.750912	0.114127	0.90189
AT4G18850	AT4G18850	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G18860	AT4G18860	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G18870	AT4G18870	0	0	1.287654	3.71174	1.324935	2.990522	3.557214	4.31556	6.833722	0	0	0	0.900135	0.176693	1.428506	0.027284	-0.31822	NA
AT4G18880	HSFA4A	261.5589	221.2465	248.5173	618.6234	721.4269	850.3052	1048.489	882.5319	100.8375	172.7164	224.8264	181.2836	1.542633	3.84E-22	1.916379	8.43E-34	-0.34137	0.228165
AT4G18890	BEH3	67.76572	64.23286	79.83457	154.2434	153.6924	152.5166	164.5211	157.5179	206.9642	60.45074	74.4987	54.90305	1.080769	6.88E-08	1.275894	1.95E-10	-0.1724	0.711679
AT4G18900	AT4G18900	2.377808	1.784246	1.287654	0.824831	0.662467	0.996841	0.889303	0	0	0.959536	2.660668	0	-0.42906	0.544394	-0.70821	0.291009	-0.2626	NA
AT4G18905	AT4G18905	291.2815	260.4999	257.5309	274.2564	254.3874	269.147	269.459	275.1169	243.0853	21								

AT4G21210	RP1	1394.584	1605.821	1514.282	992.2719	1099.696	936.0335	1620.311	1544.97	2356.658	1588.991	1597.731	1678.169	-0.56427	0.000704	0.286101	0.124363	0.106602	0.76241
AT4G21213	AT4G21213	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0.172362	0
AT4G21215	AT4G21215	166.466	226.5992	191.8605	87.01969	104.6698	99.68408	141.3993	106.8101	110.3158	118.0229	131.7031	136.7397	-0.97808	1.69E-07	-0.67394	0.000676	-0.57487	0.027183
AT4G21216	AT4G21216	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G21220	LPX02	11.88904	7.136984	18.02716	24.74493	25.17376	17.94313	17.78607	28.31113	21.10978	25.27635	12.43088	0.733278	0.100113	0.560088	0.260333	0.515038	0.509135	
AT4G21230	CRK27	3.566712	8.92123	15.150617	17.73387	27.16116	22.92734	14.22886	15.10446	15.61994	3.881813	3.991002	4.143626	1.669294	0.000322	1.12839	0.028819	-0.34999	NA
AT4G21240	AT4G21240	0	0	0	0	0	0.996841	0	0	0	0	0	0	0.15625	NA	0	NA	0	NA
AT4G21250	AT4G21250	0	1.784246	2.575309	0.412416	0	0	0.889303	0	0	0	0	0	-0.60984	NA	-0.48504	NA	-0.45529	NA
AT4G21260	AT4G21260	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G21270	ATK1	135.535	83.85956	88.84815	101.0418	84.13334	81.74094	87.15174	90.62675	59.55101	130.4968	102.4357	109.8061	-0.20327	0.480454	-0.37519	0.188542	0.138738	0.794035
AT4G21280	PSBQ1	11005.68	12735.95	11917.24	5730.102	5793.939	4744.962	6242.91	5837.873	8501.15	13416.23	15518.35	13194.34	-1.11172	0.48E-13	-0.77875	8.26E-07	0.236398	0.389804
AT4G21300	PCMP-E36	46.36725	35.68492	38.62963	17.73387	20.53649	35.88627	28.45771	30.20892	18.54867	34.54328	34.58868	30.04129	-0.71213	0.039862	-0.60236	0.112404	-0.27128	0.685893
AT4G21310	AT4G21310	32.10041	12.48972	25.75309	14.02213	25.17376	13.95577	16.89677	6.83112	13.66744	23.98839	21.28534	22.78994	-0.39052	0.396051	-0.75305	0.103648	-0.07095	0.948017
AT4G21320	HSA32	24.96698	21.41095	30.9037	16.08421	25.17376	30.90206	24.01119	25.89336	36.1211	36.46235	34.58868	30.04129	-0.15306	0.732249	0.126928	0.19623	0.342227	0.607752
AT4G21323	AT4G21323	4.755616	10.70548	15.45185	70.11065	3.974804	9.968408	4.466517	4.31556	4.88123	17.27164	7.982004	13.46678	-0.45733	0.443148	-0.86115	0.150791	0.308004	NA
AT4G21326	ATSBT3.12	225.8917	205.1883	236.9284	130.3233	110.632	127.5956	122.7239	140.2557	82.98091	177.5141	164.9614	222.7199	-0.83587	0.000034	-0.92609	7.65E-06	-0.23418	0.534845
AT4G21330	DYT1	0	3.568492	1.287654	0	0	0	0	0	0	0	0	0	-0.7478	NA	-0.70114	NA	-0.47784	NA
AT4G21340	BHLH103	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G21350	PUB8	141.4796	192.6986	132.6284	125.3743	122.5564	106.662	130.7276	134.8612	150.3419	130.4968	131.7031	102.5547	-0.36322	0.081108	-0.14734	0.555782	-0.33399	0.309787
AT4G21360	AT4G21360	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0.172362	NA
AT4G21362	MIR867A	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G21363	AT4G21363	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.141773	NA	0.183636	NA
AT4G21366	AT4G21366	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G21370	PSEUDO5RKA	0	0	0	0.412416	0	0	0.889303	0	0.976246	0	0	0	0.074085	NA	0.330313	NA	0	NA
AT4G21380	S018	317.4374	264.0684	276.8457	395.5065	421.9917	421.6636	266.791	242.7502	182.558	162.1615	235.4691	187.4991	0.514494	0.005387	-0.30612	0.147046	-0.55057	0.02878
AT4G21390	B120	13.07794	21.41095	9.01358	28.04426	27.82367	37.87995	83.59453	99.25787	88.83839	6.838281	6.65167	9.323159	1.015773	0.004493	2.509245	7.64E-15	-0.61613	0.379634
AT4G21400	CRK28	165.2576	157.0137	181.5593	173.627	185.4908	205.3492	196.5361	180.1746	176.7005	101.7108	115.7391	125.3447	0.14879	0.045494	0.130397	0.541046	-0.55002	0.017934
AT4G21410	CRK29	165.2576	187.3458	189.2852	118.7757	96.72022	131.583	136.6034	170.4646	108.3633	158.3234	176.9344	133.6319	-0.62663	0.002995	-0.37414	0.111672	-0.20384	0.610712
AT4G21420	AT4G21420	11.88904	3.568492	9.01358	6.98649	8.612075	5.981045	6.252124	3.23667	7.809968	12.47396	5.321336	6.215439	-0.19624	0.771	-0.40982	0.54187	-0.0378	NA
AT4G21430	B160	173.58	185.5616	144.2173	119.1881	127.1937	144.5419	150.2923	161.8335	118.1258	152.5662	154.3187	169.8887	-0.36117	0.066588	-0.2165	0.336916	-0.06982	0.876014
AT4G21437	AT4G21437	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G21440	ATMYB102	8.322328	12.48972	12.87654	12.78488	9.937009	8.971567	27.56841	8.63112	9.76246	16.31211	21.28534	15.5386	-0.05155	0.938101	0.397324	0.497095	0.546493	NA
AT4G21445	AT4G21445	131.9683	142.7397	149.3679	154.6558	153.6924	130.5861	172.5249	213.6022	159.2585	196.7048	254.0938	180.2477	0.050335	0.885191	0.777831	0.002955	0.544187	0.158961
AT4G21450	PVA42	695.5088	793.9895	762.2914	1011.243	1075.184	994.8471	1104.515	1102.157	1132.445	134.0448	663.8367	707.5242	0.452093	3.08E-05	0.528948	1.09E-06	-0.09164	0.685929
AT4G21460	AT4G21460	225.8917	248.0102	251.0926	212.394	245.1129	214.3208	216.99	215.778	195.2492	271.5486	290.0128	308.7001	-0.10608	0.551312	-0.20142	0.25344	0.261819	0.274581
AT4G21470	FHY	219.9472	219.4623	229.2025	290.3406	293.473	305.0333	339.7139	275.1169	246.9902	279.2249	200.8804	276.587	0.400092	0.028822	0.359495	0.064741	0.180278	0.595343
AT4G21480	STP12	27.34479	28.54794	26.60247	12.37247	11.92441	12.95893	14.22886	14.02557	9.76246	24.94793	18.62468	13.46678	-0.02382	0.018975	-0.88493	0.038062	-0.36414	0.621548
AT4G21490	NDB3	0	1.784246	2.575309	0.412416	0.662467	0	1.778607	0	0	2.878607	2.660668	0	-0.30767	0.667285	-0.32521	0.654222	0.155268	NA
AT4G21500	AT4G21500	19.02246	10.70548	21.89012	14.43455	14.57428	9.968408	13.33955	17.26224	23.4299	12.47396	21.28534	13.46678	-0.35949	0.457105	0.026838	0.964288	-0.16329	NA
AT4G21510	SKIP27	34.47821	66.0174	64.35556	49.48987	52.99738	54.82624	86.26244	78.75897	91.76712	35.50282	50.55269	48.68761	0.119466	0.723932	0.807577	0.002629	-0.09518	0.889096
AT4G21520	AT4G21520	72.52314	58.88012	66.95803	112.5895	111.957	105.6651	89.9564	81.99564	71.76914	76.76285	90.46271	54.90305	0.70366	0.001819	0.294077	0.282874	0.133697	0.794565
AT4G21530	APC4	83.22328	66.0171	92.71111	64.33683	61.60946	55.82308	80.92662	57.18117	62.47974	77.72239	63.85603	78.7289	-0.40091	0.107426	-0.2665	0.34826	-0.13553	0.791991
AT4G21534	SPHK2	85.60108	123.113	96.57408	157.5427	145.0803	206.346	177.8607	181.2535	145.4607	83.4796	102.4357	45.57989	0.708994	0.007267	0.702349	0.010104	-0.37779	0.420501
AT4G21540	SPHK1	375.6936	326.517	301.3111	333.2318	378.9313	366.8371	390.4042	374.3748	408.0748	308.9705	325.9318	337.7055	0.097081	0.560556	0.219808	0.160595	-0.04805	0.886807
AT4G21550	VAL3	41.61164	49.95889	29.61605	23.50769	23.84882	19.93682	43.57587	24.81447	16.59618	51.81492	67.84703	49.72351	-0.75309	0.035245	-0.44249	0.272623	0.458029	0.43165
AT4G21560	VP52-1	234.2141	297.9691	293.5852	299.0013	352.4326	341.9164	373.5054	388.4004	386.5934	238.9244	268.7275	253.7971	0.264546	0.094402	0.475215	0.001787	-0.11173	0.721885
AT4G21570	AT4G21570	496.9618	542.4108	543.3901	687.0843	814.8347	711.7443	808.3769	729.3296	775.1393	582.4331	631.9086	542.815	0.479929	0.000123	0.543629	1.53E-05	0.148662	0.528954
AT4G21580	AT4G21580	294.8482	344.3595	345.0914	640.4814	694.9282	639.9718	654.4167	606.3361	719.4933	364.6235	333.9138	357.3878	0.997522	8.31E-16	1.001973	1.24E-15	0.105721	0.703509
AT4G21585	END04	46.36725	49.95889	75.97161	43.71605	60.28452	56.81229	68.47637	65.81229	61.5035	67.16749	81.15037	54.90305	-0.11705	0.732833	1.70054	0.62834	0.211737	0.697482
AT4G21590	END03	15.45575	16.05821	14.1642	8.248311	7.949607	2.990522	10.67164	7.55223	5.87476	24.94793	38.57969	16.5745	-0.96867	0.04377	-0.74524	0.160799	0.709551	NA
AT4G21595	MIR169G	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0.172362	NA
AT4G21600	END05	1.188904	3.568492	1.287654	6.986499	9.274542	0	4.31556	2.928738	2.878607	0	0	2.071813	0.772912	0.262035	0.104994	0.904961	-0.07186	NA
AT4G21605	AT4G21605	0	0	0	0	1.324935	0.996841	1.778607	0	0	0.959536	0	0	0.344503	NA	0.278703	NA	0.148919	NA
AT4G21610	L0L2	39.23383	37.46917	50.21852	73.82239	97.38269	62.80097	59.58333	45.31338	64.43224	42.21957	37.24935	31.0772	0.839132	0.002684	0.387583	0.245331	-0.19315	0.760935
AT4G21620	AT4G21620	192.6024	167.7191	154.5185	319.2077														

AT4G22060	AT4G22060	1.188904	0	0	0	0	0	0	0	0.976246	0	0	0	-0.21061	NA	-0.03092	NA	-0.19245	NA
AT4G22065	AT4G22065	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G22066	AT4G22066	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G22070	WRKY31	0	0	1.287654	4.536571	3.974804	7.974726	7.114428	11.86779	6.833722	0	2.660668	0	1.445361	0.020328	1.950174	0.001482	0.052407	NA
AT4G22080	RHS14	2.377808	7.136984	0	0.824831	0	0	0.889303	0	0	7.676285	5.321336	10.35907	-1.14233	0.08178	-1.02975	0.133596	1.003212	NA
AT4G22090	AT4G22090	0	0	0	0	0	0	0	0	0	0.959536	0	0	0	0	0	0	0.171512	NA
AT4G22100	BGLU3	0	0	0	0	1.324935	0	0	0	0	0.959536	0	1.035907	0.222719	NA	0	NA	0.320835	NA
AT4G22105	SCRL26	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G22110	AT4G22110	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT4G22115	SCRL14	0	0	0	0	0	0	0	0	0	0.976246	0	0	0	NA	0	NA	0	NA
AT4G22120	CSC1	219.9472	158.7979	167.3951	110.9398	98.70762	123.6083	105.8271	143.4924	81.02842	173.6759	180.9254	158.4937	-0.70118	0.001468	-0.71184	0.001868	-0.09494	0.852695
AT4G22130	SRF8	356.6712	265.8527	291.0099	148.0572	152.3675	162.485	173.4142	162.9124	94.69586	338.7161	311.2981	310.772	-0.95986	1.92E-06	-1.05464	2.77E-07	0.067528	0.89034
AT4G22140	EBS	181.9023	196.2671	177.6963	240.4383	229.8761	182.4219	138.7313	176.938	206.9642	149.6876	110.4177	174.0323	0.235111	0.323836	-0.0855	0.771055	-0.33495	0.352
AT4G22150	PUX3	306.7372	340.791	315.4753	396.3314	459.0898	453.5626	440.2052	397.0315	452.0019	352.1496	392.4485	383.2854	0.437085	0.001228	0.42064	0.002749	0.226827	0.31633
AT4G22160	AT4G22160	123.646	158.7979	167.3951	115.0639	100.0326	95.69671	63.14055	67.97007	125.9317	169.8378	139.6851	161.6014	-0.50095	0.055717	-0.76776	0.003408	0.071285	0.90649
AT4G22165	AT4G22165	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	NA	0	NA	0.16673	NA
AT4G22170	AT4G22170	1.188904	1.784246	1.287654	3.71174	4.637271	1.993682	4.446517	6.47334	1.952492	3.838143	0	1.035907	0.657597	0.347298	0.813617	0.253889	0.095731	NA
AT4G22180	AT4G22180	0	0	0	0	0	0	0	1.778607	0	0	0	0	0	NA	0.26262	NA	0.150298	NA
AT4G22185	AT4G22185	0	0	0	0	0	0	0	0	0	0.959536	0	1.035907	0	NA	0	NA	0.332992	NA
AT4G22190	AT4G22190	424.4387	485.3149	472.5691	433.0364	368.9943	440.6036	265.0124	269.7225	270.4201	363.6664	385.7969	335.6337	-0.1493	0.32478	-0.7668	9.92E-09	-0.34395	0.076168
AT4G22200	AKT2	745.4428	603.0752	727.5247	219.4051	192.1155	172.4535	319.2599	234.1191	235.2753	764.7499	852.7441	767.6067	-1.78875	1.12E-30	-1.36997	3.64E-18	0.193403	0.510721
AT4G22210	LCR85	0	0	0	0	0.662467	0	0	0	0	0	0	0	0	NA	0	NA	0	NA
AT4G22212	AT4G22212	0	0	1.287654	2.474493	3.312336	0	1.778607	0	0	0.976246	0	0	0.65395	0.280985	0.209162	0.771055	-0.25419	NA
AT4G22214	AT4G22214	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G22217	AT4G22217	0	0	0	0.412416	0	0	0	1.07889	0	0	0	0	0.064603	NA	0.150774	NA	0	NA
AT4G22220	ISU1	802.5102	909.9655	997.9321	1333.34	1285.187	1166.304	1286.822	1186.779	1536.611	1132.252	1036.33	1076.307	0.477383	0.000589	0.558675	5.63E-05	0.257364	0.246344
AT4G22230	AT4G22230	0	1.784246	0	0.824831	1.324935	0	0.889303	2.15778	0.976246	0	0	0	0.146317	NA	0.400783	NA	-0.30626	NA
AT4G22233	AT4G22233	1.188904	0	0	0.412416	0	0.996841	0.889303	0	0	0	0	0	0.026949	NA	-0.05606	NA	-0.2335	NA
AT4G22235	AT4G22235	1.188904	0	0	0.412416	0	0.996841	1.778607	0	0.976246	0	0	0	-0.01817	NA	0.253286	NA	-0.04843	NA
AT4G22240	PAP2	775.1654	1000.962	938.7	907.3143	904.2678	878.2167	1303.719	1281.721	1230.07	948.0212	823.4767	966.5008	-0.00923	0.959078	0.489527	0.000098	0.017334	0.960686
AT4G22250	AT4G22250	21.40027	19.62671	34.76667	33.81808	37.09817	21.9305	19.56468	23.73558	38.07359	31.66468	29.26735	41.43626	0.27176	0.524848	0.074044	0.889016	0.383409	0.572633
AT4G22260	AOX4	344.7821	540.6265	453.2543	457.7813	441.8657	498.2404	608.2836	600.9417	520.3391	492.2418	496.2146	507.5942	0.067406	0.749537	0.370975	0.034604	0.165296	0.594666
AT4G22265	AT4G22265	1.188904	0	0	0.412416	0	0	0.889303	0	0	0	2.660668	1.035907	-0.19328	NA	-0.07267	NA	0.336418	NA
AT4G22270	MRB1	58.25629	42.8219	43.78025	27.21943	27.16116	29.90522	48.02239	44.23449	46.85981	39.34096	39.91002	37.29264	-0.76455	0.005898	-0.06523	0.865861	-0.3118	0.543675
AT4G22280	AT4G22280	16.64466	32.11643	21.89012	25.56977	23.84882	19.93682	27.56841	16.18335	8.786214	22.06932	25.27635	14.50269	0.021589	0.969007	-0.33417	0.51511	-0.14875	0.878568
AT4G22285	AT4G22285	263.9367	272.9896	274.2704	269.7198	238.4882	266.1565	253.4515	267.5642	243.0853	222.6123	224.8264	262.0844	-0.06453	0.722832	-0.08493	0.655761	-0.18806	0.472508
AT4G22290	AT4G22290	200.9248	164.1506	164.8198	85.78128	82.80841	95.69671	88.93035	93.86342	79.07593	163.1211	174.2738	152.2783	-0.99694	7.36E-09	-1.00056	3.90E-08	-0.12022	0.745679
AT4G22300	SOBER1	54.68958	76.72258	63.09506	50.5784	99.37009	106.662	62.25124	65.81229	72.2422	99.79171	85.14137	85.98024	0.678565	0.001649	0.057536	0.859356	0.485625	0.147272
AT4G22305	AT4G22305	89.1678	85.64381	119.7519	190.536	203.3775	178.4345	103.1592	78.75897	111.292	69.08657	55.87403	70.44164	0.930044	0.97517	-0.00989	0.97517	-0.56813	0.07798
AT4G22310	MPC4	419.6831	513.8629	534.3766	692.4457	700.2279	559.2277	424.1978	393.7948	616.0112	580.5191	679.8007	576.9999	0.404775	0.043249	-0.0311	0.910747	0.316064	0.311232
AT4G22320	AT4G22320	43.98945	35.68492	54.08148	57.73818	78.17114	47.84836	50.70783	69.31347	53.734	41.24035	40.40035	0	0.42671	0.17876	0.279228	0.044775	0.00804	0.992838
AT4G22330	ATCES1	449.4057	501.3731	441.6654	492.4242	560.4473	531.3161	504.2351	522.1827	532.0541	407.8026	493.5539	424.7217	0.186083	0.188657	0.164353	0.282605	-0.06991	0.810026
AT4G22340	CD52	115.3237	126.6815	117.1765	107.6405	107.3197	103.6714	111.1629	75.5223	82.98091	106.5085	126.3817	96.33931	-0.16103	0.502377	-0.38971	0.092792	-0.12474	0.779875
AT4G22350	AT4G22350	126.0238	151.6609	128.7516	150.1193	137.7932	142.5842	129.8383	181.2535	133.7457	135.2945	142.3457	134.6678	0.092533	0.693952	0.139094	0.095929	0.02732	0.959117
AT4G22360	AT4G22360	227.0807	228.3835	191.8605	190.536	205.3649	234.2576	216.99	235.198	228.4416	192.8667	174.2738	164.7071	-0.04531	0.830654	0.073072	0.73838	-0.27353	0.311768
AT4G22370	AT4G22370	4.755616	7.136984	3.862963	0.824831	1.987402	4.984204	2.66791	1.07889	1.952492	5.757214	5.321336	2.071813	-0.71769	0.288324	-0.82087	0.24383	-0.14195	NA
AT4G22380	AT4G22380	204.4915	217.678	278.1333	341.8925	432.5911	277.1217	295.2488	222.2513	396.3559	277.3058	288.6825	254.833	0.56674	0.017263	0.369497	0.161301	0.218242	0.625408
AT4G22390	AT4G22390	8.322328	16.05821	16.73951	15.67179	9.937009	20.93366	8.007331	8.63112	0.585476	14.39303	13.30334	14.50269	0.163452	0.773158	-0.69193	0.197959	0.058813	NA
AT4G22400	AT4G22400	0	0	0.412416	0	0	1.778607	0	0	0	1.330334	0	0	0.0517	NA	0.275954	NA	0.182157	NA
AT4G22410	AT4G22410	54.68958	42.8219	37.34198	31.756	27.16116	39.87363	45.35448	53.9445	47.83605	34.54328	30.59768	41.43626	-0.45222	0.143694	0.110075	0.779436	-0.3187	0.562251
AT4G22415	AT4G22415	0	0	0.412416	0	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT4G22420	AT4G22420	0	0	0.412416	0	0.996841	0	0	0	0	0	0	0	0.224618	NA	0	NA	0	NA
AT4G22430	AT4G22430	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G22440	AT4G22440	0	0	0	0.662467	0	0	0	0	0	0	1.330334	0	0.101524	NA	0	NA	0.179327	NA
AT4G22450	AT4G22450	0	0	0.412416	0	0	0.889303	1.07889	0	0	0	0	0	0.058291	NA	0.343513	NA	0.183181	NA
AT4G22460	AT4G22460	0	0	1.287654	0	0	0	0	0	0.959536	0	0	0	-0.22221	NA	-0.2076	NA	-0.03666	NA
AT4G22470	AT4G22470	4.755616	8.92123	7.725926	28.04426	32.4609	47.84836	32.01493	16.18335	14.64369	1.919071	6.65167	3.10772	1.988225	1.01E-05	1.296311	0.008662	-0.61591	0.518943
AT4G22485	AT4G22485	130.7794	69.5856	93.99877	82.48311	68.23413	162.485	47.13308	52.86561	35.14486	95.95356	58.5							

AT4G22840	BASS6	86.78999	139.1712	115.8889	103.1039	112.6194	121.6146	116.4988	90.62675	55.64602	89.23681	83.81104	72.51346	-0.01027	0.977331	-0.34646	0.261288	-0.44189	0.310396
AT4G22850	AT4G22850	70.14533	94.56504	65.67037	90.31901	107.3197	119.6209	93.36787	70.12785	83.95716	78.68192	79.82004	80.80071	0.451679	0.0546	0.12264	0.688012	0.070905	0.900085
AT4G22860	AT4G22860	66.57862	58.80012	41.20944	56.08852	60.94699	50.83888	54.24751	47.47116	55.65307	55.65307	73.16837	69.40574	0.016823	0.953686	-0.22656	0.446716	0.232526	0.656746
AT4G22870	AT4G22870	2.377808	0	0	0	0.662467	0	2.66791	3.23667	2.928738	3.838143	0	1.035907	-0.46507	0.503475	0.726117	0.294574	0.328654	NA
AT4G22880	LDOX	46.36725	30.32118	32.19136	28.86909	23.84882	26.9147	24.9005	25.89336	26.35864	108.4275	103.766	70.44164	-0.43847	0.18843	-0.481	0.183129	1.296631	9.51E-05
AT4G22890	PGRL1A	6552.05	7236.902	7576.558	3325.719	3656.819	3496.917	6103.29	5187.303	5531.41	9912.003	9976.174	9622.356	-1.02029	1.61E-25	-0.34205	0.001364	0.642758	0.000117
AT4G22900	AT4G22900	10.70014	14.27397	6.438272	7.42348	7.28714	10.96525	10.67164	6.47334	9.76246	12.47396	14.63367	9.323159	-0.24904	0.625203	-0.14388	0.831872	0.199235	NA
AT4G22910	FRZ2	124.8349	153.4452	121.0395	108.0529	109.3071	111.6462	117.3881	117.599	66.38473	102.6703	121.0604	117.0574	-0.26246	0.297381	-0.38345	0.1346	-0.21543	0.620802
AT4G22920	SGR1	177.1467	233.7362	208.6	315.9103	332.5586	311.0143	332.5995	292.3792	299.7075	209.1788	187.5771	245.5098	0.630959	6.03E-05	0.578857	0.000397	0.065044	0.868508
AT4G22930	PYR4	406.6051	408.5923	423.6383	374.0603	427.9539	381.79	407.301	381.927	407.0946	450.9817	437.6799	414.3626	-0.06597	0.668591	-0.04943	0.774099	0.071887	0.790363
AT4G22940	AT4G22940	1.188904	1.7136984	5.150617	3.299325	1.324935	4.984204	2.66791	2.15778	4.88123	2.878607	3.991002	2.071813	-0.28452	0.708208	-0.23959	0.172838	-0.32439	NA
AT4G22950	AGL19	3.566712	5.352738	2.575309	22.27044	18.54908	15.94945	15.11816	17.26224	20.50117	2.878607	6.65167	7.251346	1.830198	0.000156	1.699909	0.000749	0.318361	NA
AT4G22960	AT4G22960	3.566712	1.7136984	3.862963	9.897974	8.612075	13.95577	5.335821	9.710009	4.88123	4.797678	2.660668	1.035907	0.925055	0.109199	0.345498	0.632872	-0.44069	NA
AT4G22970	ESP1	67.76752	71.36984	55.36914	41.24156	33.78583	31.8989	40.90796	37.76115	30.26363	45.09817	41.24035	64.2262	-0.79249	0.004071	-0.78283	0.000754	-0.33651	0.498675
AT4G22980	AT4G22980	52.31177	73.15409	48.93086	73.82239	84.79581	76.75674	91.59826	97.10009	120.0783	44.13864	45.23135	51.79533	0.436891	0.084679	0.817603	0.000072	-0.26654	0.582115
AT4G22990	AT4G22990	360.2379	374.6917	364.4062	177.3387	172.2415	195.3808	257.898	266.4858	178.653	349.271	343.2262	368.7827	-0.99751	2.56E-10	-0.63261	0.000143	-0.04798	0.903861
AT4G23000	AT4G23000	57.06739	49.95889	63.09506	92.38109	52.99738	110.6493	81.81592	75.5223	51.74104	57.57214	69.17737	45.57989	0.539785	0.092738	0.271338	0.47478	0.002608	0.997319
AT4G23010	UTR2	375.6936	478.1779	343.8037	722.1397	754.5502	930.0524	608.2836	622.5195	534.0066	273.4677	246.1118	279.6948	0.993308	1.93E-10	0.555769	0.000931	-0.56242	0.000582
AT4G23020	AT4G23020	118.8904	101.702	122.3272	31.34358	39.74804	47.84836	32.90423	35.60337	53.69353	140.0922	143.6761	139.8474	-1.51319	1.55E-11	-1.43368	1.25E-09	0.291093	0.457541
AT4G23030	AT4G23030	26.15589	44.60615	18.02716	64.74925	64.25933	70.7757	57.80473	45.31338	48.8123	12.47396	15.96401	15.53876	1.151066	0.000106	0.777094	0.01804	-0.86441	0.088924
AT4G23040	PUX13	111.5575	144.5239	105.5877	146.8199	145.0803	158.4977	167.1891	169.3857	124.9559	166.9592	155.6491	153.3142	0.318361	0.121591	0.356224	0.09785	0.401121	0.177994
AT4G23050	AT4G23050	154.5575	183.7773	135.2037	157.5427	161.642	180.4282	177.8607	177.8607	178.653	185.1904	220.8354	162.6373	0.078796	0.743426	0.279391	0.196616	0.261628	0.42758
AT4G23060	IQD22	124.8349	174.8561	101.7247	77.12171	82.14594	69.77885	89.81965	99.25787	76.14719	58.53167	82.48071	103.5907	-0.75675	0.002792	-0.55975	0.040575	-0.67286	0.058541
AT4G23070	ATRB17	1.188904	0	0	0	1.987402	2.990522	0.889303	0	0	0	2.660668	0	0.436865	NA	-0.07596	NA	0.146451	NA
AT4G23080	AT4G23080	0	0	0	0	0	0	0	0.976246	0	0	0	0	0	NA	0.16673	NA	0	NA
AT4G23090	AT4G23090	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT4G23100	GSH1	2145.972	2069.725	1814.305	1404.275	1479.289	1597.936	1779.496	2198.778	2526.525	1902.759	1772.005	1956.827	-0.42292	0.004332	-0.017685	0.559343	-0.09671	0.752644
AT4G23103	AT4G23103	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G23110	AT4G23110	0	0	0	0	0	0	0	0	0	0.995936	0	0	0	NA	0	NA	0.171512	NA
AT4G23120	AT4G23120	0	0	0	0	0	0	1.778607	0	0	0	0	1.035907	0	NA	0.26262	NA	0.150298	NA
AT4G23130	CRK5	172.3911	231.952	168.6827	424.3756	396.8179	443.5941	251.6729	270.8014	200.1304	103.6298	98.44471	123.2729	1.131538	2.94E-11	0.338396	0.097445	-0.77754	0.000818
AT4G23140	CRK6	122.4571	242.6575	167.3951	116.6589	1057.298	1137.395	524.6891	490.8949	397.3321	55.65307	54.54369	49.72351	2.604825	3.99E-12	1.384535	3.99E-12	-1.62966	2.62E-11
AT4G23150	CRK7	53.00608	58.88012	38.62963	603.7764	486.9134	577.1708	394.8507	402.4259	295.8025	14.39303	13.30334	20.71813	3.370188	1.33E-58	2.77032	4.85E-39	-1.43504	2.08E-05
AT4G23160	CRK8	40.42273	41.03766	47.64321	257.3473	217.9517	285.0965	149.403	144.5713	108.3633	21.10978	13.30334	19.68222	2.465614	3.37E-28	2.568745	3.08E-11	-1.11305	0.002866
AT4G23170	CRK9	198.547	214.1095	184.1346	496.5484	631.9938	591.1266	495.342	515.7094	578.9139	124.7396	123.7211	109.8061	1.504037	2.55E-24	1.394672	1.29E-20	-0.71494	0.000629
AT4G23180	CRK10	521.9288	515.6471	464.8432	602.5392	625.3691	717.7254	788.8122	763.8541	734.137	340.6351	416.3945	337.7055	0.365439	0.007751	0.599949	5.97E-06	-0.45482	0.01087
AT4G23190	CRK11	53.50068	74.93833	48.93086	249.5114	208.6772	253.1976	278.352	270.8014	206.9642	43.1791	47.89202	54.90305	1.95988	6.31E-21	1.054452	1.97E-22	-0.24694	0.604618
AT4G23200	CRK12	21.40027	32.11643	36.05432	108.0529	127.8562	134.5735	146.7351	122.9935	96.64835	14.39303	18.62468	19.68222	1.948173	1.92E-13	1.938987	4.98E-13	-0.68034	0.183554
AT4G23205	AT4G23205	1.188904	1.784246	0	0.824831	0.662467	1.993682	1.07889	0.976246	2.878607	1.330334	0	0	0.057531	0.945433	0.008068	0.992445	0.290247	0.892445
AT4G23210	CRK13	43.98945	80.29107	47.64321	195.8974	162.3045	188.4029	282.7955	291.3003	246.014	61.41028	67.84703	50.75942	1.647878	7.94E-15	2.218184	2.38E-26	0.089476	0.788814
AT4G23215	AT4G23215	5.94452	8.92123	1.287654	84.79581	61.65828	84.79581	61.65828	61.65828	61.65828	61.65828	61.65828	61.65828	3.37648	2.08E-18	3.265438	5.37E-17	-0.2822	0.792429
AT4G23220	CRK14	136.724	148.0924	118.4642	666.876	545.2106	680.8423	419.7512	376.5326	288.9688	50.85539	49.22236	62.15439	2.184516	6.18E-34	1.397776	6.7E-14	-1.24419	3.55E-07
AT4G23230	CRK15	48.74506	49.95889	45.0679	176.5139	177.5412	193.3871	121.8346	108.9679	73.21845	19.19071	15.96401	19.68222	1.864409	4.96E-16	1.039541	3.33E-05	-1.25026	0.000531
AT4G23240	CRK16	35.66712	32.11643	27.0479	47.42779	64.92179	55.82308	36.46144	36.68226	26.35864	11.51443	22.61568	25.89766	0.772589	0.016813	0.062192	0.895699	-0.61397	0.275323
AT4G23250	EMB1290	235.403	280.1266	261.3938	424.3756	393.5056	444.591	570.9328	468.2382	335.8286	218.7741	251.4331	248.6176	0.685534	0.000345	0.807441	2.44E-05	-0.10766	0.804354
AT4G23260	CRK18	422.0609	494.2362	427.5012	1313.131	1397.806	1401.558	1844.415	1732.697	1285.716	515.2706	484.2416	494.1274	1.59086	1.39E-28	1.829647	1.34E-37	0.153475	0.610332
AT4G23270	CRK19	449.4057	587.0169	471.2815	897.4163	845.3082	904.1346	953.3333	915.9776	677.5147	446.1841	492.2236	500.3429	0.802635	3.26E-07	0.748046	2.82E-06	-0.06218	0.874304
AT4G23271	AT4G23271	1.188904	0	0	0.186234	0.596205	6.977885	5.335821	5.39445	1.952492	0.995936	2.660668	1.035907	1.678625	0.006185	1.20889	0.069552	0.368406	NA
AT4G23280	CRK20	7.133424	17.84246	10.30123	35.05532	26.49869	34.88943	24.9005	34.52448	22.45366	5.995356	11.97301	18.64632	1.330023	0.000859	1.098472	0.010236	0.195985	0.845171
AT4G23290	CRK21	643.197	738.6779	686.3198	132.7978	129.1811	149.5261	237.444	175.8911	31.7932	660.1605	631.9086	861.8745	-2.26614	5.67E-33	-1.86519	1.96E-22	0.059661	0.900456
AT4G23300	CRK22	305.5458	383.6129	329.6395	300.2385	257.0373	338.9259												

AT4G23770	AT4G23770	65.38972	60.66437	72.10864	52.78919	56.97219	53.8294	24.01119	19.42002	34.16861	84.43914	90.46271	70.44164	-0.27109	0.328538	-1.2754	2.22E-06	0.288745	0.517803
AT4G23780	AT4G23780	0	0	1.287654	0	0	1.993682	0.889303	2.15778	0.976246	1.919071	0	1.035907	0.000417	0.999765	0.380534	0.576036	0.256416	NA
AT4G23790	BL24	175.9578	181.9931	189.2852	138.984	147.0677	150.523	95.15547	119.7568	112.2683	165.0041	172.9434	161.6014	-0.32459	0.057126	-0.73174	1.59E-05	-0.1303	0.696168
AT4G23800	HMG6	518.3621	454.9827	503.4728	724.2017	792.3109	774.5453	578.9366	638.7028	790.7593	576.6809	546.7673	573.8922	0.620905	7.73E-06	0.43378	0.00333	0.195448	0.440256
AT4G23810	WRKY53	41.61164	58.88012	41.20494	370.3492	348.4578	476.4899	254.1045	245.9869	253.824	33.58375	27.93701	29.00538	2.998136	5.06E-47	2.290937	7.35E-27	-0.56963	0.166982
AT4G23820	AT4G23820	1118.759	1284.657	1205.244	566.2466	449.8153	799.4663	578.0473	659.2018	542.7928	1048.772	897.9754	106.6636	-0.69992	1.7E-07	-0.99973	1.01E-07	-0.26177	0.432612
AT4G23840	AT4G23840	73.12104	64.23286	59.2321	70.11065	71.54647	83.73463	70.25498	112.2046	46.85981	53.734	51.88302	51.79533	0.173255	0.619544	0.196757	0.593532	-0.30688	0.580987
AT4G23850	LACS4	2277.94	2385.537	2182.574	2376.751	2320.623	2723.369	2295.292	2590.415	2012.043	1995.834	2081.973	1950.612	0.114697	0.433244	0.01095	0.951995	-0.18136	0.395958
AT4G23860	AT4G23860	272.259	319.38	256.2432	277.1433	302.7475	291.0775	286.3557	274.038	254.8002	303.2133	308.6375	261.0484	0.044139	0.819325	-0.04759	0.819447	0.047381	0.8948
AT4G23870	AT4G23870	117.7015	149.8767	130.0531	80.42104	111.957	107.6588	96.04478	78.75897	136.6744	124.7396	102.4357	88.05205	-0.39309	0.135497	-0.32879	0.251817	-0.31174	0.48147
AT4G23880	AT4G23880	77.27876	90.99655	70.8565	207.0326	266.9743	230.2702	229.4403	135.9401	322.1612	97.87263	103.766	102.5547	1.390082	7.33E-08	1.35924	1.98E-07	0.235579	0.66507
AT4G23882	AT4G23882	1.188904	1.784246	0	1.649662	1.324935	0.996841	2.66791	1.07889	1.952492	0.959536	0	2.071813	0.179296	8.22E-57	0.404883	0.597739	0.040521	NA
AT4G23885	AT4G23885	46.36725	37.46917	37.34198	148.0572	117.2567	102.6746	89.81965	62.57562	114.2208	35.50282	59.86503	46.61579	1.512644	5.17E-08	1.059339	0.000353	0.183403	0.781222
AT4G23890	ndh5	991.5459	1113.37	1000.507	759.6695	773.0993	695.7949	771.9154	805.9308	1219.331	1325.119	1274.46	1079.415	-0.46654	0.011326	-0.14661	0.513882	0.240195	0.443857
AT4G23895	AT4G23895	97.49012	80.29107	114.6012	105.166	117.9192	89.71567	95.15547	96.0212	98.60085	119.942	97.11438	109.8061	0.090577	0.730034	-0.02576	0.933421	-0.149716	0.703349
AT4G23900	NDK4	1.188904	3.568492	0	2.062078	0	1.993682	0.889303	1.07889	2.928738	0	2.660668	1.035907	-0.03845	0.963474	0.067173	0.938057	-0.1166	NA
AT4G23910	AT4G23910	99.86793	167.7191	148.0802	191.7732	188.8032	199.3682	169.857	154.2813	142.5319	155.4448	143.6761	132.596	0.484272	0.104518	0.180201	0.460678	0.07053	0.880929
AT4G23915	AT4G23915	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G23920	UGE2	57.06739	83.85956	54.08148	58.97543	60.28452	71.77254	84.48383	73.36452	58.57476	48.93632	53.21336	52.83123	-0.01714	0.961026	0.17095	0.597311	-0.29464	0.540577
AT4G23930	AT4G23930	4.755616	5.352738	10.30123	7.835896	7.949607	9.968408	16.00746	10.7889	13.66744	9.595356	10.64267	3.10772	0.217616	0.734496	0.7888	0.163731	0.11149	NA
AT4G23940	AT4G23940	596.8298	485.3149	506.0482	289.1033	239.8132	322.9764	394.8507	452.0549	347.5436	579.5955	509.5179	527.2764	-0.88956	1.39E-08	-0.40768	0.01828	0.023416	0.958253
AT4G23950	AT4G23950	45.17835	71.36984	61.80741	65.16166	82.14594	61.80413	64.02985	74.44341	86.88589	61.41028	51.88302	71.47755	0.240786	0.416983	0.339091	0.260644	0.074387	0.909153
AT4G23960	AT4G23960	0	0	1.287654	0	0	0.662467	0	1.07889	0	0.959536	0	0	-0.12019	NA	-0.04483	NA	-0.0466	NA
AT4G23970	AT4G23970	0	0	0	0	0.662467	0	0.889303	0	0	1.330334	0	0	0.09913	NA	0.145297	NA	0.18929	NA
AT4G23980	ARF9	309.115	246.226	248.5173	221.0547	217.2893	241.2355	177.8607	192.0424	162.0568	198.6239	231.4781	223.7558	-0.24805	0.145045	-0.5924	0.00029	-0.30219	0.233702
AT4G23990	CSL6	91.5456	62.44861	75.97161	77.94654	67.57166	80.7441	48.91169	52.86561	38.07359	94.03449	91.79304	93.23159	-0.04167	0.982089	-0.70742	0.004735	0.524102	0.506492
AT4G24000	CSL6	8.322328	5.352738	12.87654	33.40566	33.12336	56.81992	90.70896	88.46897	54.66978	4.797678	11.97301	13.46678	1.824502	5.69E-06	2.76904	3.27E-12	0.062449	0.960136
AT4G24010	CSL6	33.28903	23.1952	24.46543	9.485558	11.26194	12.95893	3.335821	7.55223	1.952492	26.867	31.92802	24.86176	-1.17359	0.002464	-2.05162	1.76E-06	0.030877	0.977328
AT4G24015	RHA4A	42.80054	57.09587	42.49259	68.04857	88.10815	67.78517	64.19833	85.23231	80.05217	70.0461	51.88302	49.72351	0.642263	0.012918	0.792861	0.002467	0.281362	0.567564
AT4G24020	NLP7	638.4414	569.1745	571.1785	463.9675	451.8027	521.3477	657.1937	650.5706	483.2418	470.1725	469.6079	511.7378	-0.30784	0.051831	0.007842	0.971733	-0.29033	0.222716
AT4G24025	AT4G24025	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G24026	AT4G24026	4.755616	0	1.287654	2.474493	3.312336	0.996841	0.889303	0	1.952492	0	5.321336	2.071813	0.069006	0.936672	-0.42898	0.577796	0.052897	NA
AT4G24030	AT4G24030	0	0	1.421416	0	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT4G24040	TRE1	51.12287	78.50683	56.65679	122.075	117.9192	155.5072	134.2848	130.5457	86.88589	44.13864	49.22236	42.47217	1.055337	1.56E-05	0.898962	0.000443	-0.141434	0.366959
AT4G24050	AT4G24050	46.36725	80.29107	60.51975	63.92441	44.38531	76.75674	66.69776	51.78672	42.95482	85.39867	73.16837	69.40574	-0.00537	0.989628	-0.17674	0.639487	0.292588	0.585616
AT4G24060	DOF4.6	277.0146	198.0513	247.2296	261.0591	260.3496	303.0396	289.9129	269.7225	239.1803	244.6816	223.4961	253.7971	0.171257	0.363534	0.132506	0.525592	-0.00898	0.986206
AT4G24070	AT4G24070	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G24080	ALL1	0	1.784246	2.575309	3.71174	3.312336	1.993682	1.77867	2.15778	2.928738	0.959536	1.330334	2.071813	0.59628	0.402721	0.307516	0.707157	-0.00045	NA
AT4G24090	AT4G24090	355.4823	406.8081	395.3099	327.8704	343.158	358.8627	347.7177	360.3492	521.3154	481.6869	536.1246	469.2657	-0.16543	0.41078	0.08716	0.705627	0.355073	0.177994
AT4G24100	AT4G24100	206.8693	199.8356	167.3951	139.3965	147.0677	180.4267	180.4267	180.4267	143.5082	195.7453	223.4961	174.0323	-0.30315	0.12006	-0.25985	0.222863	0.043404	0.926068
AT4G24110	AT4G24110	5.94452	3.568492	6.438272	7.42348	15.23675	8.971567	8.893035	15.10446	8.521336	8.38143	5.321336	8.278252	0.668727	0.263999	1.441108	0.011093	0.042642	NA
AT4G24120	YSL1	259.1811	174.8561	218.9012	373.6485	386.2184	373.8153	351.2749	311.7992	292.8738	146.809	183.5861	203.0377	0.768789	7.37E-06	0.527753	0.004122	-0.29934	0.322058
AT4G24130	AT4G24130	26.15589	28.54794	48.93086	42.89122	21.19895	28.90838	30.23632	34.52448	34.16861	72.92471	89.13238	59.04667	-0.1308	0.764901	-0.07343	0.882221	1.002158	0.020693
AT4G24140	AT4G24140	34.47821	48.17464	32.19136	23.9201	19.87402	18.93997	24.01119	18.34113	18.54867	47.01725	55.87403	34.18492	-0.76665	0.021164	-0.8122	0.023126	0.254947	0.685451
AT4G24150	GRF8	16.64466	10.70548	12.87654	17.32145	15.89921	6.977885	7.114428	11.86779	7.809968	19.19071	21.28534	10.35907	0.031461	0.960373	-0.50891	0.368852	0.261589	NA
AT4G24160	AT4G24160	133.9583	153.4452	164.8198	183.5249	194.7654	230.2702	232.444	212.5413	226.4891	108.4275	117.0694	125.3447	0.419361	0.018847	0.580863	0.001081	-0.34913	0.229911
AT4G24170	AT4G24170	5.94452	7.136984	1.287654	1.649662	3.974804	1.993682	7.114428	5.39445	2.928738	0.959536	5.321336	1.035907	-0.54856	0.437478	1.18616	0.890358	-0.58904	NA
AT4G24175	AT4G24175	45.17835	39.25341	45.0679	51.13953	49.02258	47.84836	48.02239	43.1556	64.43224	59.49121	61.19536	65.26211	0.177112	0.573062	0.243528	0.458623	0.487729	0.243086
AT4G24180	TLP1	2.377808	0	3.862963	2.062078	1.324935	0	1.07889	0.976246	1.919071	2.660668	2.071813	0	-0.35013	0.643942	-0.62319	0.392268	0.011448	NA
AT4G24190	SHD	3217.174	318.8662	2750.43	8359.664	8096.013	8030.549	5574.154	6134.568	5150.674	2407.475	2366.664	2622.915	1.418932	5.9E-44	0.884506	2.05E-17	-0.29387	0.557796
AT4G24200	AT4G24200	199.7359	176.6406	146.7926	128.2612	129.1819	169.4629	149.403	123.9832	148.728	145.0064	145.0269							

AT4G24680	MOS1	645.5748	485.3149	394.0222	319.6221	287.5108	351.8848	309.4776	432.6349	315.3275	420.2766	436.3495	373.9623	-0.65447	0.001198	-0.5171	0.0154	-0.30337	0.372073
AT4G24690	AT4G24690	1911.758	2085.784	1653.348	3017.232	2764.476	3184.906	3354.453	4080.362	3740.975	1406.679	1367.583	1422.3	0.659932	7.13E-08	0.97442	0.58E-16	-0.42229	0.009582
AT4G24700	AT4G24700	66.57862	82.07532	68.24568	52.37678	54.32232	28.90838	39.12935	26.97225	46.85981	76.76285	91.79304	95.3034	-0.60197	0.036226	-0.87019	0.00332	-0.27776	0.988932
AT4G24710	AT4G24710	27.34479	21.41095	19.31482	31.34358	27.16116	21.9305	24.9005	22.65669	20.50117	42.21957	21.28534	37.29264	0.231924	0.584725	-0.01053	0.984332	0.528924	0.376518
AT4G24730	NR3.2	116.5126	103.4863	100.437	111.3522	111.957	134.5735	140.51	108.9679	138.6269	98.83217	139.6851	109.8066	0.140804	0.572194	0.268208	0.272337	0.10217	0.833784
AT4G24740	AF2	42.0609	540.6265	539.5272	631.8207	592.9082	645.9528	575.3794	652.7284	537.9115	544.0567	490.8932	480.6601	0.315677	0.032596	0.233255	0.151653	0.017605	0.965111
AT4G24750	STR11	487.6885	915.3182	964.4531	688.3216	728.0515	649.9402	697.2139	681.8584	894.2413	1057.408	1060.276	1101.169	-0.39406	0.003947	-0.25888	0.083056	0.236860	0.274381
AT4G24760	AT4G24760	154.5575	130.25	155.8062	162.4917	151.0425	134.5735	93.37687	127.309	153.2706	142.9708	111.7481	177.14	0.024268	0.938908	-0.23667	0.392756	-0.02697	0.965616
AT4G24770	CP31A	6851.653	7545.576	7244.343	4399.649	4807.525	4480.799	4729.316	5411.712	7277.914	8513	8438.308	6970.615	-0.64913	4.81E-05	-0.30755	0.085679	0.142074	0.652681
AT4G24780	AT4G24780	1004.624	1190.092	1149.875	902.3653	731.3639	773.5484	629.6269	658.1229	472.5031	968.1714	972.4741	943.7108	-0.46383	0.002568	-0.91028	7.04E-10	-0.209	0.431857
AT4G24790	F22K18.10	214.0027	192.6986	184.1336	85.78244	92.74542	124.6051	128.0597	105.7312	81.02842	203.4216	186.2468	166.781	-0.95461	3.35E-06	-0.87858	3.79E-05	-0.08441	0.863606
AT4G24800	AT4G24800	1628.798	1693.249	1372.64	820.707	745.2757	786.5074	714.1107	839.3764	729.2558	1432.587	1446.073	1385.007	-0.98493	9.5E-18	-1.02952	6.33E-19	-0.13643	0.543164
AT4G24805	AT4G24805	97.49012	105.2705	81.12222	96.91766	84.13334	90.71251	80.92662	104.6523	146.4369	104.5894	109.0874	81.83662	-0.05237	0.873144	0.22064	0.466432	0.058034	0.927039
AT4G24810	AT4G24810	253.2365	248.0102	216.3259	236.3141	240.4756	230.2702	449.0983	408.8993	313.375	280.1844	317.9498	291.0897	-0.01957	0.934651	0.695929	2.64E-05	0.301903	0.268433
AT4G24820	RPN7	753.3475	731.5409	728.8124	828.1305	869.1571	880.2104	748.7935	839.3764	973.3173	616.9814	554.7493	624.6516	0.215508	0.116559	0.207058	0.153996	-0.29679	0.121738
AT4G24830	AT4G24830	543.3291	438.9245	445.5284	374.0609	343.158	356.869	323.7065	311.7992	347.5436	460.5771	383.1362	522.0969	-0.40645	0.009558	-0.53284	0.000734	-0.06298	0.861835
AT4G24840	AT4G24840	319.8152	299.7533	276.8457	277.5557	241.1381	289.0388	314.8134	302.0892	210.8691	266.7509	252.7635	303.5260	-0.1488	0.485196	-0.11253	0.633271	-0.11913	0.756194
AT4G24860	AT4G24860	8.322328	8.92123	6.438272	9.073143	7.949607	13.95577	16.00746	14.02557	10.73871	10.55489	5.321336	7.251346	0.280068	0.635209	0.656158	0.239076	-0.0012	NA
AT4G24880	AT4G24880	110.5681	108.839	100.437	130.3233	123.8814	133.5767	116.4988	104.6523	92.74337	112.2657	119.7301	90.12387	0.271099	0.197525	-0.02374	0.934729	0.0054	0.992795
AT4G24890	PAP24	0	0	0	0.412416	0.662467	0.996841	1.07889	0	0.99536	0	0.1035907	0	0.32815	NA	0.633558	NA	0.353319	NA
AT4G24900	TTL	114.1348	112.4007	83.69153	128.6737	117.2567	120.6177	130.7276	115.4412	101.5296	154.4852	175.6041	141.1992	0.24125	0.278159	0.165552	0.514195	0.589058	0.025933
AT4G24910	AT4G24910	11.88904	14.27397	10.31023	19.13835	12.86142	11.96209	14.22886	15.10446	7.809968	13.4335	19.95501	15.5386	0.514539	0.29173	0.028233	0.951617	0.358378	NA
AT4G24920	SEC61G2	237.7808	280.1266	275.558	1272.302	1328.247	935.0367	621.6231	583.6795	1331.6	238.9244	254.0938	305.5924	2.046955	1.73E-15	1.589942	1.33E-09	0.009111	0.990721
AT4G24930	AT4G24930	391.1494	447.8458	414.6247	287.8661	327.9213	245.228	405.5224	422.9249	554.5077	552.6295	595.9896	458.9606	-0.52428	0.003698	0.14099	0.52624	0.352393	0.197759
AT4G24940	SAE1A	241.3475	251.5787	258.8185	313.4358	346.4704	372.8185	310.3669	270.8014	250.8952	230.2886	226.1568	251.7253	0.446445	0.003029	0.464645	0.43451	-0.08281	0.808803
AT4G24950	AT4G24950	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G24960	HVA22D	114.1348	155.2294	162.2444	289.1033	278.2363	173.4503	172.5249	188.8057	204.0354	183.2713	162.3007	137.7756	0.766794	0.000736	0.379222	0.145909	0.162493	0.737309
AT4G24970	AT4G24970	58.25629	67.80135	66.95803	90.31901	73.53387	99.68408	67.58706	76.60119	82.98091	64.28889	29.26735	68.36983	0.428835	0.139527	0.226041	0.508168	-0.21223	0.711019
AT4G24972	TPD1	173.58	192.6986	202.1617	113.0019	129.1811	103.6714	128.0597	115.4412	133.7457	195.7453	215.5141	161.6014	-0.69415	9.18E-05	-0.57419	0.002336	0.009068	0.986843
AT4G24973	AT4G24973	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G24974	AT4G24974	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G24975	AT4G24975	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT4G24977	AT4G24977	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G24980	AT4G24980	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G24990	MUB3	299.6038	406.8081	379.858	590.1667	635.3061	542.2814	602.9478	444.5027	588.6763	342.5542	367.1722	418.5062	0.69503	0.000041	0.585412	0.000884	0.058384	0.889374
AT4G25000	AMY1	22.58917	32.11643	34.76667	230.1279	194.7654	183.4187	244.5585	219.0147	219.6553	13.31211	18.62468	12.43088	2.67417	6.18E-31	2.829457	3E-34	-0.8142	0.06913
AT4G25010	SWEET14	0	1.784246	0	0	0.662467	0	0	0	0	0.193107	0	0.2701813	-0.18296	NA	-0.29412	NA	0.387104	NA
AT4G25020	AT4G25020	36.85602	28.54794	21.89012	16.08421	18.54908	21.9305	15.12816	19.42002	15.61994	18.23118	29.26735	33.14901	-0.599	0.119131	-0.72952	0.474075	-0.11702	0.892499
AT4G25030	AT4G25030	466.0503	458.0515	460.8083	649.9669	626.694	626.694	735.6585	671.4241	759.5385	938.1274	98.2339	541.4459	0.5264	0.00143	0.759272	0.243E-06	0.023277	0.95979
AT4G25040	AT4G25040	0	0	0	0	0.996841	0	0	0	0	0	0	0.1035907	0.134822	NA	0	NA	0.152581	NA
AT4G25050	ACP4	3616.646	4150.156	3985.29	2733.903	2278.887	2644.619	2032.948	2439.37	3302.64	5318.706	4923.566	4144.662	-0.60422	0.000794	-0.58286	0.001514	0.2858	0.334141
AT4G25070	AT4G25070	11.88904	17.84246	9.01358	144.7579	143.0929	118.6241	52.46891	50.70783	40.02609	5.757214	9.312338	9.323159	3.2112	1.88E-25	1.73798	2.28E-07	-0.52696	0.471724
AT4G25080	CHLM	3229.063	3556.002	3514.009	2116.517	2092.734	1977.732	2104.092	2152.385	2870.163	3270.097	3081.053	3476.502	-0.72522	4.48E-08	-0.52421	0.000141	-0.06621	0.833784
AT4G25090	RBOHG	0	1.287654	0	0	1.993682	0	0.889303	0	0	0	0	0	0.077544	NA	-0.05659	NA	-0.20231	NA
AT4G25100	FSD1	4157.597	3900.362	4477.174	3232.926	3695.905	3398.23	2738.165	2535.391	3621.873	3568.513	3250.006	5845.621	-0.27118	0.25424	-0.47974	0.035494	0.014429	0.982596
AT4G25110	AMC2	24.96698	33.90067	32.19136	158.78	147.7302	144.5419	52.46891	40.99782	45.88356	7.676285	6.65167	13.46678	2.250191	9.72E-05	0.598927	0.053708	-1.44038	0.00651
AT4G25120	SRS2	110.5681	67.80135	84.98519	50.3147	54.98478	84.73147	43.57587	38.84004	33.19236	50.85539	75.82904	62.15439	-0.48386	0.100856	-1.12808	0.000102	-0.47748	0.297444
AT4G25130	MSR4	743.065	792.2052	706.9222	655.7408	736.0011	638.9749	707.8586	838.2975	991.8659	775.3048	963.1618	818.3662	-0.13897	0.446998	0.176685	0.340947	0.185916	0.509208
AT4G25140	OEO1	0	0	0	0.662467	0	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT4G25150	AT4G25150	43.98945	26.76369	45.0679	53.20161	45.04777	29.90522	30.23632	36.68226	33.19236	46.05771	54.54369	53.86714	-0.14451	0.701511	-0.22615	0.56791	0.360518	0.51272
AT4G25160	PUB35	11.88904	5.352738	10.30123	3.299325	1.324935	2.99052	2.66791	1.07889	5.857476	6.635821	5.321336	7.251346	-1.33247	0.020911	-1.09064	0.079413	-0.29489	NA
AT4G25170	AT4G25170	550.4625	560.2533	480.2951	946.0813	969.8521	903.1377	946.2189	1120.967	1209.569	485.525	482.9112	498.271	0.81838	5.53E-11	0.136113	7.55E-17	-0.11404	0.669944
AT4G25180	AT4G25																		

AT4G25630	MED36A	370.938	353.2807	442.9531	301.8882	322.6216	288.087	235.6654	175.8591	230.3941	355.0282	307.3071	347.0287	-0.35026	0.033208	-0.84653	8.25E-08	-0.20624	0.468217
AT4G25631	U60.2F	1.188904	0	0	0.412416	1.987402	0	0	3.23667	1.952492	0.959536	1.330334	2.071813	0.134128	0.860388	0.511802	0.463622	0.418478	NA
AT4G25635	AT4G25635	0	0	0	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA	NA	NA
AT4G25640	ADTX35	498.1508	636.9758	643.8272	889.168	824.1093	910.1156	875.9639	891.1631	814.1892	495.1204	529.4729	525.2046	0.557554	1.16E-05	0.534745	3.78E-05	-0.19369	0.396802
AT4G25650	PTC52	1103.303	1218.64	1021.11	915.1502	810.1975	959.5797	1203.228	1300.062	1014.32	1161.998	1081.562	1102.205	-0.31139	0.026463	0.074041	0.677156	0.00344	0.992945
AT4G25660	AT4G25660	279.3924	246.226	287.1469	308.0744	292.8105	292.0743	290.8022	301.0103	281.1588	329.1207	304.6465	278.6589	0.130189	0.41706	0.094871	0.559873	0.159244	0.538195
AT4G25670	AT4G25670	0	0	0	1.237247	0	0.996841	0.889303	0	0	0	0	0	0.388076	NA	0.146596	NA	0	NA
AT4G25672	CPuORF12	0	0	0	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA	NA	NA
AT4G25680	AT4G25680	223.5139	255.1472	229.2025	213.6313	201.3901	179.4313	176.0821	180.1746	203.0592	262.9128	290.0128	223.7558	-0.23418	0.188087	-0.32865	0.070699	0.133015	0.683683
AT4G25690	AT4G25690	0	0	0	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA	NA	NA
AT4G25692	CPuORF13	0	0	0	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA	NA	NA
AT4G25700	ETA-OHASE	231.8363	230.1677	215.0383	164.5538	130.5061	161.4882	168.9677	189.8846	195.2492	270.589	263.4061	232.0431	-0.55675	0.000643	-0.28464	0.124825	0.175808	0.561641
AT4G25707	AT4G25707	5.94452	7.136984	6.438272	7.011065	3.312336	5.981045	2.66791	7.55223	0.976246	5.757214	1.330334	4.143626	-0.14729	0.845603	-0.54851	0.443356	-0.48707	NA
AT4G25710	AT4G25710	97.49012	74.93833	90.1358	54.85127	62.93439	62.80097	54.24751	62.57562	73.21845	79.64146	65.18636	67.33392	-0.54359	0.0191	-0.46403	0.066714	-0.3021	0.459244
AT4G25719	AT4G25719	1.188904	3.568492	0	2.062078	2.649869	1.993682	1.778607	2.15778	1.952492	1.919071	2.660668	2.071813	0.299051	0.700716	0.185578	0.830443	0.269308	NA
AT4G25720	QCT	59.4452	80.29107	72.10864	142.6958	115.2693	142.5482	128.0597	128.3879	123.007	78.68192	82.48071	99.44703	0.905311	1.03E-05	0.828266	0.00011	0.302127	0.436537
AT4G25730	AT4G25730	575.4295	545.9827	466.1309	384.3713	401.4552	377.8027	445.541	513.5516	465.6693	434.6696	383.1362	388.4649	-0.36233	0.010664	-0.0757	0.680284	-0.30957	0.141234
AT4G25740	RPS10A	813.2103	799.3422	830.5371	1004.644	910.8925	750.6211	678.5386	695.884	1037.749	1075.639	1153.4	823.5457	0.124443	0.605194	-0.01817	0.949656	0.312068	0.334593
AT4G25750	ABC6A	8.322328	3.568492	15.45185	2.474493	3.974804	8.971567	3.557214	6.47334	4.88123	1.919071	3.991002	5.179533	-0.70298	0.260712	-0.66485	0.322776	-0.93414	NA
AT4G25760	GU02	7.133424	7.136984	10.30123	10.7228	3.974804	6.977885	2.66791	2.15778	2.928738	4.797678	7.982004	5.179533	-0.08683	0.905144	-1.11954	0.070114	-0.35928	NA
AT4G25770	AT4G25770	156.9533	240.8732	236.9284	185.9994	176.2163	215.3176	193.8682	180.1746	193.2967	202.462	203.5411	192.6786	-0.12959	0.557424	-0.14777	0.525592	-0.0733	0.866496
AT4G25780	AT4G25780	27.34479	14.27397	21.89012	2.062078	5.299738	1.993682	7.114428	4.31556	6.833722	38.38143	25.27635	32.1131	-0.2614	4.28E-07	-1.51331	0.001113	0.540202	NA
AT4G25790	AT4G25790	0	0	0	0	0	0	1.07889	0.976246	0.959536	1.330334	0	0	0	NA	0.369738	NA	0.397533	NA
AT4G25800	CBP60D	83.22328	78.50683	50.21852	71.34789	78.83361	88.17883	61.36194	62.57562	60.52725	41.26003	55.87403	46.61579	0.161422	0.58176	-0.18699	0.555888	-0.54057	0.173132
AT4G25810	XTH23	7.133424	21.41095	12.87654	80.42104	68.8966	132.5798	80.92662	98.17898	133.5427	11.51443	25.27635	17.61041	2.484666	6.6E-12	2.633968	3.66E-13	0.321093	0.699093
AT4G25820	XTH14	0	0	0	0.824831	0	0	0.889303	0	0	0	0	0	0.133287	NA	0.125963	NA	0	NA
AT4G25830	AT4G25830	67.76752	73.15409	68.24568	54.43886	48.36011	50.83888	31.12562	38.84004	49.78855	60.45074	77.15937	101.5188	-0.41586	0.14243	-0.76163	0.007892	0.188434	0.725981
AT4G25835	AT4G25835	46.36725	58.88012	46.35556	77.94654	105.3323	79.74726	88.93035	79.83786	130.817	48.93632	38.57969	45.57989	0.768305	0.00475	0.949089	0.000501	-0.15669	0.803737
AT4G25840	GGP1	65.38972	62.44861	59.2321	106.8156	107.9822	93.70303	67.58706	73.36452	75.17094	47.01725	45.23135	62.15439	0.707694	0.001388	0.197433	0.493693	-0.26078	0.563916
AT4G25845	AT4G25845	1.188904	0	0	0.412416	0	0.662467	0	0.889303	1.07889	0	0	0	-0.02127	NA	0.12795	NA	-0.25511	NA
AT4G25850	ORP4B	13.07794	21.41095	9.01358	5.361402	3.974804	4.984204	8.003731	5.39445	0.976246	17.27164	15.96401	10.35907	-1.2304	0.016951	-1.1896	0.030824	0.045915	NA
AT4G25860	ORP4A	2.377808	0	0	0.412416	1.324935	0.996841	0	0	0	1.330334	2.071813	0	0.03068	NA	-0.47739	NA	0.171155	NA
AT4G25870	AT4G25870	173.58	151.6609	151.9432	188.4739	174.8914	140.5545	156.5174	115.4412	152.2944	151.6066	143.6761	152.2783	0.085575	0.719982	-0.16516	0.489174	-0.09424	0.835496
AT4G25880	AUPUM6	584.9407	595.9382	565.2803	619.4482	612.1198	612.0602	659.8632	772.4852	577.9376	511.4325	327.2622	527.2764	0.077317	0.739266	0.198712	0.359014	-0.34126	0.233811
AT4G25885	AT4G25885	0	0	0	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA	NA	NA
AT4G25890	RPP3A	185.469	167.7191	150.6556	104.7536	110.632	83.73463	62.25124	52.86561	155.2231	178.4736	148.9974	215.4686	-0.69678	0.031942	-0.83406	0.011565	0.103113	0.889374
AT4G25900	AT4G25900	318.6263	488.8834	423.6383	1004.644	913.5424	1015.781	964.8943	898.7153	821.0229	212.0574	199.5501	269.3357	1.235283	3.23E-14	1.109551	1.67E-11	-0.82437	6.43E-05
AT4G25910	NIFU3	223.5139	255.1472	247.2296	200.0216	159.6546	175.444	289.1229	223.3302	300.6838	201.5025	202.2108	283.8384	-0.42179	0.037407	0.166039	0.489375	-0.07132	0.878139
AT4G25920	AT4G25920	1.188904	0	0	1.237247	0	0	1.778607	0	0	0	0	0	-0.0665	NA	0.461465	NA	-0.04769	NA
AT4G25930	AT4G25930	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0.172362	NA
AT4G25940	AT4G25940	520.7567	428.219	328.3519	633.0579	582.9712	657.9149	612.7301	641.9395	517.4104	214.936	369.8328	255.9407	0.743897	0.000105	0.665218	0.000763	-0.38632	0.212567
AT4G25950	VHA-G3	5.94452	3.568492	5.150617	1.237247	4.637271	1.993682	1.778607	2.15778	3.904984	7.676285	11.97301	11.39497	-0.65682	0.315561	-0.59323	0.405331	0.810709	NA
AT4G25960	ABD8C	666.9751	792.2052	732.6753	354.265	312.0221	456.5531	313.9241	365.7437	323.3465	533.5018	562.7313	591.5026	-0.94563	1.8E-07	-1.23381	8.89E-12	-0.36682	0.208131
AT4G25970	SDC3	1021.268	1025.941	1039.137	1021.141	1067.235	1173.282	1422.886	1368.032	1021.903	1126.795	981.0035	0	0.076421	0.580786	0.382007	0.000949	0.018405	0.952813
AT4G25980	PER43	4.755616	8.92123	6.438272	9.073143	8.612075	3.987363	11.56095	4.31556	12.6912	12.47396	6.65167	7.251346	0.138826	0.814388	0.423745	0.519227	0.334715	NA
AT4G25990	CIL	46.36725	46.3904	37.34198	43.71605	45.71024	50.83888	39.12935	33.44559	44.90372	29.74536	31.92802	39.36445	0.098928	0.77973	-0.13097	0.732005	-0.33754	0.525791
AT4G26000	PEP	208.0582	203.404	191.8605	264.7708	238.4882	257.1849	324.5958	303.1681	195.2492	203.4216	188.9074	212.3608	0.32613	0.118295	0.437152	0.037264	0.004849	0.992945
AT4G26005	AT4G26005	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.02106	NA	-0.03092	NA	-0.19245	NA
AT4G26010	PER44	2.377808	0	1.287654	2.062078	3.974804	1.993682	3.557214	3.23667	0.952492	2.878607	1.330334	3.10772	0.454923	0.536463	0.520613	0.495249	0.387607	NA
AT4G26020	AT4G26020	1.188904	3.568492	1.287654	4.948987	4.637271	0.996841	1.778607	1.07889	1.952492	1.919071	3.991002	7.251346	0.53388	0.458144	-0.13209	0.881556	0.656242	NA
AT4G26030	AT4G26030	0	3.568492	1.287654	0	0	1.07889	0	1.07889	0	0	1.330334	1.035907	-0.79769	NA	-0.50783	NA	-0.28366	NA
AT4G26040	AT4G26040	0	0	0	0	0	0.996841	0	0	0	0	0	0	0.15625	NA	0.00579	NA	0	NA
AT4G26050	PIRL8	1.188904	3.568492	1.287654	4.536571	9.937009	4.984204	7.114428	11.86779	14.64369	0.959536	3.991002	3.10772	1.03347	0.095247	1.650604	0.005796	0.166314	NA
AT4G26055	AT4G26055	2.377808	0	1.287654	5.773818	3.974804	1.993682	0.889303	1.07889	4.88123	0	1.330334	3.10772	0.803706	0.240362	0.302609	0.71		

AT4G26480	AT4G26480	376.8826	397.8869	343.8037	334.469	327.2588	420.6668	367.2823	414.2937	392.4509	350.2305	259.4151	353.2441	-0.05033	0.819092	0.070014	0.759144	-0.20455	0.502753
AT4G26483	AT4G26483	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G26485	AT4G26485	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G26488	AT4G26488	3.566712	1.784246	0	2.474493	3.974804	1.993682	4.446517	2.15778	0.976246	2.878607	2.660668	3.10772	0.320853	0.676508	0.229358	0.788022	0.325468	NA
AT4G26490	AT4G26490	0	0	0	0	1.324935	0.996841	0	0	1.952492	0	0	0	0.346977	NA	0.293171	NA	0	0.886224
AT4G26500	SUF1	215.1916	173.0719	182.8469	150.9441	176.8788	177.4377	177.8607	198.5157	285.0638	148.728	167.6221	221.684	-0.17976	0.494869	0.200313	0.043797	-0.08705	0.086624
AT4G26510	UKL4	649.4146	711.9142	715.9358	593.8784	516.7245	631.9971	657.1953	647.334	327.044	797.3741	851.4137	740.6372	-0.24505	0.33049	-0.33616	0.184716	0.195675	0.648366
AT4G26520	AT4G26520	329.3264	419.2978	320.6259	214.4561	181.516	174.4471	241.8905	242.7502	326.0124	355.6292	348.5475	364.6391	-0.57353	0.408-08	-0.53179	0.001762	0.112429	0.741202
AT4G26530	AT4G26530	4244.387	4728.252	4296.903	1778.748	1539.574	1465.356	4483.868	5121.491	6147.421	5930.89	7493.771	4906.053	-1.43986	2.82E-18	0.242596	0.232503	0.456537	0.06115
AT4G26540	AT4G26540	429.1943	337.2225	280.7086	116.3012	127.1937	113.6398	128.0597	151.0446	176.7005	262.9128	377.8148	294.1975	-1.50688	2.03E-14	-1.16782	7.55E-09	-0.16499	0.686445
AT4G26542	AT4G26542	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G26550	AT4G26550	84.41218	53.52738	96.57408	140.6337	151.705	176.4408	104.0485	101.4157	116.1733	69.08657	67.84703	68.36983	0.936431	7.98E-06	0.415151	0.092168	-0.20951	0.642572
AT4G26555	FKBP16-1	375.6936	478.1779	464.8432	449.533	438.5533	408.7047	401.0759	376.5326	567.1989	586.2763	474.9292	539.7073	-0.01922	0.940291	0.030929	0.905739	0.278418	0.357261
AT4G26560	CB17	0	1.784246	0	0	0.662467	0.996841	1.778607	0	0	0	0	0	0.007425	NA	0.05609	NA	-0.26059	NA
AT4G26570	CB13	338.8376	406.8081	430.0766	380.6596	410.0672	417.6763	368.1716	352.797	443.2157	346.3924	369.8328	391.5727	0.039284	0.842991	-0.01081	0.961278	-0.08229	0.805161
AT4G26580	AT4G26580	9.511232	3.568492	12.87654	4.536571	1.324935	1.993682	6.225124	5.39445	3.904984	6.716749	17.29434	7.251346	-1.17119	0.044542	-0.56765	0.39956	0.15604	NA
AT4G26582	AT4G26582	1.188904	0	0	0.412416	0	0	0.996841	0	0	0	0	1.035907	0.025907	NA	-0.2451	NA	-0.03294	NA
AT4G26590	OPT5	34.47821	26.76369	29.61605	37.52982	42.39791	30.90266	32.01493	34.52448	45.88356	24.94793	22.61568	38.32854	0.266563	0.474789	0.27167	0.498539	-0.0782	0.927039
AT4G26600	AT4G26600	158.1242	119.5445	163.5321	114.2391	120.569	126.5988	113.8308	114.3623	98.60085	181.3522	137.0244	159.5296	-0.29953	0.14285	-0.43482	0.037997	0.107435	0.794445
AT4G26610	D6PK11	290.0926	367.5547	318.0506	284.9792	282.2111	291.0751	280.1306	292.3792	326.0662	298.4156	315.2892	314.9156	-0.17511	0.261944	-0.10912	0.54054	-0.06288	0.849621
AT4G26620	AT4G26620	315.0595	308.6746	294.8728	354.265	312.6846	342.9132	257.0087	270.8014	322.1612	243.722	211.5231	173.4793	0.135922	0.44927	-0.11057	0.578244	-0.32367	0.181772
AT4G26630	AT4G26630	2651.256	1716.445	1757.648	1580.376	1860.871	1468.346	1381.978	1468.369	2868.211	1609.141	1669.569	1752.754	-0.2035	0.288235	-0.09529	0.78725	-0.27172	0.565684
AT4G26640	WRKY20	326.9486	299.7533	294.8728	312.1986	306.7223	309.0206	266.791	288.0636	194.273	287.8607	336.5745	279.6948	0.008666	0.970137	-0.29579	0.118593	-0.03202	0.94286
AT4G26650	AT4G26650	354.2934	353.2807	374.7074	352.6153	374.9565	374.8121	336.1567	339.8503	350.4723	354.0686	385.7969	365.675	0.022353	0.892741	-0.07681	0.634217	0.026919	0.933316
AT4G26660	AT4G26660	148.6131	110.6233	112.0259	138.1592	129.1811	148.5293	141.3993	129.4668	112.2683	160.2424	143.6761	146.0628	0.144681	0.519472	0.034615	0.900768	0.262454	0.432866
AT4G26670	TIM22-2	332.8931	347.928	363.1185	586.4549	696.9156	555.2403	712.3321	708.8307	974.2935	360.7854	427.0372	397.7881	0.801691	1.04E-06	1.175736	2.14E-13	0.177536	0.585012
AT4G26675	AT4G26675	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G26680	AT4G26680	28.53369	17.84246	20.60247	13.60971	6.624673	8.971567	9.782338	14.02557	8.786214	26.867	13.30334	19.68222	-1.01394	0.019676	-0.91575	0.051304	-0.13521	NA
AT4G26690	GDPD13	976.0901	713.6984	648.9778	345.6043	299.4352	502.4078	526.4983	630.9474	309.7474	567.0856	597.32	588.3949	-0.99695	7.52E-06	-0.86648	0.00015	-0.40293	0.270063
AT4G26700	FIM1	847.6885	947.4346	938.8371	538.6147	453.1276	562.2182	775.4726	773.5641	609.1775	1001.755	968.4831	1026.583	-0.80239	2.45E-09	-0.33341	0.02605	0.134524	0.612544
AT4G26701	AT4G26701	0	0	0	0	0.662467	0	0.889303	0	0	0	0	2.660668	0.083313	NA	0.133713	NA	0.350621	NA
AT4G26710	VHA-E2	316.2484	305.1061	359.2556	389.7327	429.2788	326.9638	395.74	283.7481	410.0233	490.3227	697.095	433.0089	0.218577	0.368197	0.14691	0.588631	0.698441	0.008897
AT4G26720	PPX1	191.4135	206.9725	202.1617	274.2564	245.7754	236.2513	198.3147	207.1469	215.5704	197.6643	170.2827	190.6068	0.338312	0.030523	0.050317	0.817287	-0.0949	0.779875
AT4G26730	AT4G26730	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G26740	PKG1	0	0	0	0.412416	0	1.993682	0	0	0	0	0	0	0.374519	NA	0	NA	0	NA
AT4G26750	LIP5	126.0238	99.91778	99.14938	146.4075	122.5564	156.504	107.6057	146.729	88.83839	96.9131	134.3637	76.65708	0.365213	0.178053	0.065551	0.854993	-0.09054	0.88006
AT4G26760	MAP65-2	277.0146	248.0102	279.421	216.1058	189.4656	223.2923	178.75	210.3835	183.5342	273.4677	259.4151	262.0844	-0.35691	0.018948	-0.49038	0.001594	-0.02027	0.960832
AT4G26770	CD53	1.188904	1.784246	0	0.412416	0	1.993682	0	0	1.07889	0	0	0	-0.06293	NA	-0.28183	NA	-0.4762	NA
AT4G26780	AR192	173.58	123.113	166.1074	197.1346	210.0021	180.4822	210.7649	181.2535	218.6791	181.3522	162.3007	198.8941	0.325802	0.085574	0.378327	0.05348	0.213126	0.522462
AT4G26790	AT4G26790	46.36725	39.25341	57.94445	20.62078	17.16116	17.94313	14.22886	7.55223	18.54867	97.8263	129.0424	66.29802	-1.03803	0.00206	-1.63098	4.78E-06	0.958059	0.021388
AT4G26795	AT4G26795	8.322338	5.32738	3.862963	6.186234	8.612075	3.987366	4.466517	4.31556	7.809968	5.757214	2.660668	6.215439	0.09032	0.904015	-0.07059	0.930797	-0.17224	NA
AT4G26800	AT4G26800	24.96698	26.76369	25.75309	23.9201	27.16116	23.92418	27.56841	19.42002	22.45366	37.42189	33.25835	33.14901	-0.0421	0.925506	-0.1341	0.771502	0.401203	0.493509
AT4G26810	AT4G26810	19.02246	19.62671	30.9037	61.44992	55.64725	49.84204	33.79353	23.73558	45.88356	30.70514	14.63367	26.93357	1.165288	0.000567	0.510786	0.208618	0.060468	0.951161
AT4G26820	AT4G26820	0	0	1.287654	0	0	0	0	0	0	0	1.330334	0	-0.22987	NA	-0.21319	NA	-0.0675	NA
AT4G26830	AT4G26830	3.566712	1.736984	11.58889	2.474493	1.987402	1.993682	2.66791	0	4.88123	6.716749	5.321336	5.179533	-1.16384	0.058455	-0.9943	0.133057	-0.24674	NA
AT4G26840	SUM01	439.8945	437.1403	458.4049	607.4881	649.8804	641.6005	347.7177	346.3237	707.7783	459.6176	508.1876	429.9012	0.334151	0.231835	0.066729	0.852075	0.061912	0.922225
AT4G26850	VTC2	3038.388	3035.002	2710.512	1868.655	1758.851	1774.377	1425.531	1634.518	1425.319	2586.908	2254.916	2366.011	-0.69498	2.85E-11	-0.96206	1.6E-20	-0.28208	0.067481
AT4G26860	AT4G26860	477.9394	565.606	583.3074	419.4266	435.6194	403.7438	378.6904	359.2585	617.9409	552.0886	564.5691	574.811	-0.33289	0.010766	-0.50154	0.000115	0.096148	0.711805
AT4G26870	AT4G26870	589.6964	622.7019	603.9099	693.2706	649.2179	706.7601	488.7002	606.3361	579.8901	514.2868	482.9112	475.4811	0.173644	0.160829	-0.06501	0.669578	-0.27143	0.114105
AT4G26880	AT4G26880	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G26890	MAPKK16	3.566712	8.92123	6.438272	4.536571	5.962205	0.996841	6.225124	3.23667	9.76246	5.757214	3.991002	1.035907	-0.40768	0.5591	0.066248	0.937234	-0.49037	NA
AT4G26900	HISN4	328.1375	438.9245	323.2012	367.4623	322.6216	366.8734	380.6219	399.1893	312.3987	334.8779	292.6735	321.131	-0.03578	0.871888	0.01043	0.956466	-0.18632	0.547565
AT4G26910	AT4G26910	499.3397	553.1163	498.3222	771.2171	698.903	906.1283	923.9863	906.2675	769.2818	450.9817	466.9472	427.8294	0.607					

AT4G27410	NAC072	101.0568	155.2294	112.0259	165.7911	174.8914	183.4187	196.5361	204.9891	239.1803	108.4275	106.4267	113.9497	0.513701	0.007236	0.801581	0.000017	-0.13704	0.741119
AT4G27415	AT4G27415	0	0	0	0	0	0.996841	0.889303	0	0	0	0	1.035907	0.133712	NA	0.142442	NA	0.162585	NA
AT4G27420	ABC69	0	0	0	0	0	0	0	0	0	0.959536	0	0	0	NA	0	NA	0.171512	NA
AT4G27430	CIP7	1651.388	1199.013	1073.904	414.4777	458.4274	510.3825	529.1356	552.3916	461.7644	1140.888	1398.181	1133.282	-1.47566	2.82E-18	-1.31815	1.31E-14	-0.09573	0.807024
AT4G27435	AT4G27435	47.55616	42.8219	59.2321	26.80701	29.81103	22.92734	12.45025	18.34113	41.97858	66.20796	57.20436	58.01077	-0.83421	0.017143	-0.95562	0.00921	0.257298	0.701627
AT4G27440	POR8	10112.82	10195.18	9878.884	5728.865	5891.321	6422.645	4972.985	5178.672	5680.775	8675.162	7915.487	101093.32	-0.73564	1.42E-10	-0.92204	0.42E-16	-0.17066	0.407448
AT4G27450	AT4G27450	870.76	1211.503	968.3161	941.5448	967.8647	871.2388	849.2888	860.9542	813.2129	654.0033	633.239	762.4272	-0.13039	0.437745	-0.26964	0.089922	-0.56404	0.010111
AT4G27460	CBX5	7.00814	5.352738	10.30123	33.40566	26.49869	29.90522	42.07671	33.79353	50.52725	19.95356	7.982004	8.287252	1.486956	0.000217	0.206814	2.22E-07	-0.07604	0.950436
AT4G27470	RMA3	164.0687	151.6609	114.6012	162.4917	152.3675	175.444	119.1667	135.9401	152.2944	130.4968	170.2827	102.5547	0.181384	0.47625	-0.07662	0.802696	-0.09835	0.84885
AT4G27480	AT4G27480	17.83356	19.62671	9.01358	71.76031	64.92179	65.79149	40.90796	45.31338	37.09735	13.4335	17.29434	15.5386	1.996043	1.83E-10	1.29533	0.000151	-0.01045	0.992454
AT4G27490	AT4G27490	85.60108	71.36984	91.42346	97.74249	129.8436	102.6746	121.8346	73.36452	117.1495	108.4275	99.77505	80.80071	0.383947	0.146459	0.312911	0.281216	0.19959	0.689682
AT4G27500	PP1	1747.689	1579.058	1546.473	1953.2	1884.719	2107.321	2022.276	2310.982	2656.365	1447.939	1481.992	1571.47	0.282472	0.034527	0.513847	5.34E-05	-0.11386	0.650303
AT4G27510	AT4G27510	15.45575	23.1952	21.89012	11.96005	9.274542	16.94629	10.67164	7.55223	2.928738	15.35257	13.30334	13.46678	-0.5871	0.207431	-1.23791	0.009198	-0.43272	NA
AT4G27520	ENODL2	882.1667	777.9313	670.8679	544.801	494.8631	572.1866	467.7736	490.8949	526.1966	581.4786	509.5179	534.5278	-0.52736	0.000117	-0.64306	2.92E-06	-0.51222	0.002916
AT4G27530	AT4G27530	1.188904	0	1.287654	0.824831	2.649869	0	0.889303	0	0.972646	0.959536	0	1.035907	0.167966	0.821784	0.167966	0.821784	-0.08702	NA
AT4G27540	PRA1H	89.1678	78.50683	101.7247	117.5384	131.831	87.72199	104.9378	111.1257	81.02842	96.9131	79.82004	85.98024	0.316846	0.203025	0.126709	0.67751	-0.03802	0.952456
AT4G27550	TP54	2.377808	0	2.575309	0.412416	0	0	1.07889	0	2.878607	3.991002	2.079183	-0.88552	0.167863	-0.67585	0.325412	0.421669	NA	NA
AT4G27560	UGT7982	216.3805	128.4657	159.6691	182.7001	216.6268	174.4471	251.6729	234.1191	303.6125	223.5718	202.2108	199.193	0.167022	0.485498	0.346707	0.00297	0.288546	0.410204
AT4G27570	UGT7983	46.36725	24.97944	18.02716	20.20836	21.19895	28.90838	28.45771	37.76115	18.54867	31.66468	21.28534	35.22082	-0.34867	0.432151	-0.08933	0.870643	-0.02181	0.984933
AT4G27580	AT4G27580	0	0	0	0.824831	0	2.990522	3.552124	0	0	0	0	1.035907	0.47075	NA	0.466798	NA	0.132075	NA
AT4G27585	AT4G27585	247.292	205.1083	229.2025	130.1365	314.672	283.1028	284.5771	286.9847	312.3987	224.5313	219.5051	218.5763	0.404139	0.004436	0.361501	0.017163	-0.04822	0.891696
AT4G27590	AT4G27590	3.566712	3.568492	5.150617	4.948987	4.637271	3.987363	2.66791	1.07889	3.904984	2.876507	1.330334	2.071813	0.143549	0.854789	-0.41089	0.59374	-0.54496	NA
AT4G27595	AT4G27595	316.2484	242.6575	233.0654	55.26369	88.77061	75.7599	70.25498	83.07453	83.95716	231.2481	248.7725	256.9048	-1.81517	2.8E-20	-1.69091	7.66E-17	-0.10513	0.813992
AT4G27597	AT4G27597	0	0	0	0	0	0	0	2.15778	0	0	0	0	0	NA	0.266481	0	0	0
AT4G27600	NARA5	1134.214	1159.76	1080.342	833.9043	747.9256	865.2578	1072.5	1178.148	1099.253	1206.136	1161.382	1199.58	-0.46054	7.17E-06	-0.01008	0.947733	0.080999	0.702311
AT4G27610	AT4G27610	161.6909	215.8938	180.2716	166.2035	169.5916	171.4566	199.204	198.5157	197.2017	186.1499	191.5681	183.3555	-0.12337	0.506884	0.105225	0.606482	0.020718	0.962641
AT4G27620	AT4G27620	135.535	169.5034	153.2039	168.2656	155.6798	160.4914	169.857	212.5413	170.843	161.202	158.3097	142.9551	0.090214	0.677848	0.2723	0.17299	0.021497	0.965356
AT4G27630	GTG2	59.4452	48.17464	54.08148	63.512	79.49607	62.80097	77.3694	59.33895	68.33722	85.39867	75.82904	61.11849	0.321598	0.241891	0.320322	0.279412	0.428831	0.296279
AT4G27640	AT4G27640	904.7559	713.6984	70.8679	326.2207	325.9339	375.809	425.979	306.6808	604.5074	538.7853	622.5798	-1.12377	2.81E-08	-0.12377	0.00015	-0.36377	0.281676	0.00015
AT4G27650	PELL	189.0357	181.9931	168.6827	235.0769	196.7528	242.2323	216.99	199.5946	170.7585	171.7569	167.6221	180.2477	0.313526	0.071658	0.134996	0.521603	-0.05254	0.989546
AT4G27652	AT4G27652	7.133244	0	5.150617	42.4788	47.69764	47.84836	48.48383	55.02339	196.2754	6.716749	11.97301	15.5386	2.528355	3.67E-08	3.685387	1.37E-16	0.825738	0.314058
AT4G27654	AT4G27654	0	0	0	2.886909	5.299738	5.981045	20.45398	9.710009	38.07359	0.959536	0	2.071813	1.362965	0.028005	1.362965	0.028005	0.345465	NA
AT4G27657	AT4G27657	4.755616	5.352738	9.01358	33.40566	33.78583	53.8294	71.14428	52.86561	142.5319	10.55489	13.30334	11.39497	2.106371	1.12E-06	3.169134	3.27E-14	0.577999	0.500556
AT4G27660	AT4G27660	5.94452	3.568492	7.725926	9.073143	7.949607	9.968408	11.56091	11.86779	15.61994	8.638281	6.65167	13.46678	0.437698	0.451043	0.896756	0.102701	0.536155	NA
AT4G27670	HSP2.3	0	0	0	0.412416	0.662467	0	0.323667	0	0	0	0	0	0.174932	NA	0.461555	NA	0	NA
AT4G27680	AT4G27680	174.7689	153.4452	182.8469	220.6423	193.4404	214.3208	192.0896	209.3046	212.8216	166.9592	155.6491	181.2836	0.287143	0.089627	0.25174	0.172688	-0.02432	0.957372
AT4G27690	VP56B	74.90095	78.50683	103.0123	138.5716	130.5061	118.6241	120.056	130.3368	110.3158	98.83217	89.13238	96.33931	0.584818	0.003947	0.354633	0.126155	0.143076	0.745585
AT4G27700	AT4G27700	1459.974	1527.315	1572.226	1133.73	1240.801	1019.768	997.985	873.9009	1277.906	1546.771	1379.556	1996.192	-0.41591	0.024031	-0.52189	0.004596	0.108994	0.773361
AT4G27710	CYP709B3	1071.202	1006.315	977.3296	806.2724	853.2578	801.46	646.5236	640.8606	605.2725	1095.79	1222.577	1030.727	-0.30976	0.005853	-0.68544	2.09E-10	0.192629	0.521894
AT4G27720	AT4G27720	506.4731	558.4669	601.3346	459.0185	431.9287	531.3163	339.7139	340.9292	323.1347	504.7157	485.5719	475.8411	-0.22956	0.10167	-0.72137	3.07E-02	-0.18137	0.432866
AT4G27730	OPT6	105.8125	99.91778	82.40988	133.6226	103.3449	131.583	78.25871	118.6779	57.85851	94.99043	75.82904	87.01615	0.342149	0.223823	-0.17594	0.59962	-0.14686	0.795667
AT4G27740	AT4G27740	92.73451	115.976	103.0123	283.7419	268.9617	201.3618	154.7388	107.889	198.1779	97.87263	117.0694	130.5242	1.238564	8.82E-08	0.548433	0.037713	0.145279	0.786418
AT4G27745	AT4G27745	96.30122	98.13353	112.0259	176.9263	206.6898	162.485	159.1853	134.8612	120.8691	123.8701	133.0334	114.9856	0.809413	9.24E-05	0.6972	0.001338	0.263564	0.504728
AT4G27750	IS1	152.1797	144.5239	155.8062	151.7689	153.6924	167.4693	171.3656	148.8868	120.0783	140.0922	150.3277	185.4273	0.055017	0.826311	-0.03821	0.890358	0.68837	0.879935
AT4G27760	FEY	177.1467	233.7362	181.5593	286.2164	268.2992	271.1407	203.6505	237.3558	219.6553	118.7741	202.2108	208.2172	0.48756	0.001753	0.165869	0.391601	0.100939	0.769037
AT4G27765	MIR28A	0	0	0	0.412416	0.662467	0	0	0.918756	0	0	0	0	0.209973	NA	0	NA	0	0
AT4G27780	ACBP2	67.76752	62.44861	91.42346	118.3633	107.9822	99.68408	92.87556	108.9679	100.5533	66.20796	71.83803	64.2262	0.539279	0.013789	0.41809	0.083445	-0.14287	0.769636
AT4G27790	AT4G27790	1.188904	3.568492	0	1.649662	0.662467	0	0.889303	0	0	0	0	0	-0.19732	NA	-0.49819	NA	-0.66756	NA
AT4G27800	PPH1	1860.635	2519.355	2152.958	2435.726	2382.232	2299.712	2867.114	3207.54	3147.417	2340.307	2216.336	2245.845	0.12482	0.390094	0.494131	7.34E-05	0.060004	0.836071
AT4G27810	AT4G27810	0	1.784246	0	1.649662	0.662467	0.996841	0	1.07889	3.904984	0.959536	1.330334	3.10772	0.250536	0.74007	0.460452	0.526411	0.513554	NA
AT4G27820	BGLU9	312.6817	324.7328	280.7086	481.289	437.8909	412.6921	632.2948	467.1593	495.9069	310.8895	341.8958	430.9						

AT4G28280	LLG3	2.377808	3.568492	1.287654	5.773818	3.974804	2.990522	0	3.23667	2.928738	1.919071	7.982004	2.071813	0.533908	0.456693	-0.13038	0.882841	0.378139	NA
AT4G28290	AT4G28290	23.77808	41.03766	38.62963	72.58514	71.54647	51.83572	26.6791	31.28781	65.40888	67.16749	78.4897	53.86714	0.869676	0.012287	0.239874	0.592043	0.876314	0.069774
AT4G28300	AT4G28300	538.5735	485.3149	413.337	387.2582	341.1706	379.7963	410.8582	441.266	355.0849	363.664	355.1992	51.9515	-0.36848	0.028019	-0.28378	0.118838	-0.46609	0.034513
AT4G28310	AT4G28310	72.52314	60.66437	78.54691	82.89553	107.3197	78.75042	52.46891	42.07671	80.05217	101.7108	90.46271	89.08796	0.323735	0.254202	-0.27128	0.400322	0.384219	0.379774
AT4G28320	MAN5	64.20081	74.93833	81.12222	62.68717	60.94699	69.77885	69.36567	72.28563	55.64017	71.00564	70.5077	83.90843	-0.1854	0.489197	-0.14991	0.618503	0.039184	0.950218
AT4G28330	AT4G28330	10.37794	5.352738	11.58889	16.08421	13.24935	14.95261	8.003731	14.02557	10.56117	13.43351	17.29434	14.50269	0.427139	0.406289	0.361153	0.525712	0.356591	NA
AT4G28340	AT4G28340	0	0	2.575309	2.062078	3.312336	0	0.889303	2.15778	0.972646	0	1.330334	0	0.400494	0.566373	0.166493	0.83465	-0.24087	NA
AT4G28350	LECRK2	41.61164	32.11643	33.47901	51.96436	45.71024	37.87995	56.02612	44.23449	68.33722	32.62421	26.60668	34.18492	0.3265	0.321212	0.608383	0.056099	-0.18809	0.778089
AT4G28360	AT4G28360	222.325	226.5992	244.6543	220.6423	188.8032	214.3208	160.9639	182.3324	162.0568	296.4965	317.9498	263.1203	-0.14993	0.402372	-0.4518	0.006707	0.331045	0.156345
AT4G28362	AT4G28362	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G28365	ENODL3	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT4G28370	AT4G28370	177.1467	190.9143	212.463	138.984	136.4683	192.3903	200.9826	200.6735	122.0307	152.5662	103.766	156.4219	-0.30793	0.246819	-0.14252	0.648978	-0.46504	0.219292
AT4G28380	AT4G28380	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G28390	AAC3	115.3237	174.8561	132.6284	430.1494	436.5659	437.6131	333.4888	332.2981	410.9996	61.41028	90.46271	74.58527	1.607367	2.01E-20	1.335259	5.51E-14	-0.86571	0.000457
AT4G28395	ATA7	2.377808	24.97944	6.438272	0.248313	0.466337	357.7323	464.5278	393.9614	438.0293	287.0163	36.46235	6.65167	-2.22533	0.002016	-1.9071	0.002188	0.787569	NA
AT4G28397	AT4G28397	2.377808	1.784246	2.575309	0.412416	0	0	0	0	0.972646	3.838143	1.330334	4.143626	-1.09119	0.08831	-0.87337	0.197959	0.32236	NA
AT4G28400	AT4G28400	290.0926	369.3389	332.2148	615.324	647.893	638.9749	607.3943	566.4172	596.4863	289.7798	305.9768	287.982	0.937943	2.94E-15	0.836521	5.98E-12	-0.15748	0.519436
AT4G28405	AT4G28405	1.188904	0	0	0	1.324935	0.996841	1.778607	1.07889	0.972646	0	0	0	0.147071	NA	0.413349	NA	-0.26745	NA
AT4G28410	AT4G28410	0	0	0	0	0	0	1.778607	0	0	0	0	0	0	0	0.248756	0	0	NA
AT4G28420	AT4G28420	3.566712	0	0	2.886909	2.649869	1.993682	2.66791	1.07889	0.972646	0	1.330334	0	0.476155	0.509412	0.113095	0.895119	-0.42539	NA
AT4G28430	RTLNL8	16.64466	23.1952	18.02716	21.03319	16.56168	29.90522	18.67537	20.49891	16.59618	29.7456	18.62468	23.82585	0.190213	0.683144	-0.03258	0.953822	0.32144	0.668486
AT4G28440	AT4G28440	301.9816	294.4006	302.5988	375.7106	374.9565	334.9385	252.5622	279.4325	475.4318	260.9937	226.1568	334.5978	0.263558	0.310429	-0.157731	0.593458	-0.12297	0.809732
AT4G28450	AT4G28450	198.547	137.3869	177.6963	255.2852	253.725	230.2702	232.1082	208.2258	245.0377	176.5546	151.6581	166.781	0.504786	0.002925	0.394312	0.031641	-0.06308	0.879636
AT4G28460	AT4G28460	0	0	1.287654	4.536571	7.28714	3.987363	2.66791	5.39445	14.64369	0	0	0.207813	1.364415	0.03174	1.703933	0.007191	0.03706	NA
AT4G28470	RPN1B	447.0279	403.2396	413.337	446.2337	357.7323	464.5278	393.9614	438.0293	287.0163	308.5539	548.0976	428.8653	0.003024	0.990839	-0.17351	0.4467	0.225418	0.497495
AT4G28480	AT4G28480	259.1811	292.6163	260.1062	290.3406	279.5612	292.0743	229.4403	236.2769	279.2064	257.1555	170.2827	240.3303	0.088756	0.678299	-0.11791	0.59727	-0.26327	0.373178
AT4G28485	DMFP	1.188904	0	0	2.062078	0.662467	1.993682	0.889303	1.07889	0.972646	0.995936	0	0	0.569278	0.381997	0.257023	0.728334	-0.07665	NA
AT4G28490	RLK5	340.0265	210.541	211.1753	291.1654	309.3722	344.9069	226.7724	253.5391	212.8216	101.7108	107.7571	103.5907	0.293232	0.173002	-0.14167	0.578868	-1.25183	0.204E-08
AT4G28500	NAC073	8.322328	7.136984	19.31482	5.361402	5.299738	4.984204	5.338221	5.39445	2.928738	5.995356	18.62468	11.39497	-0.92485	0.084519	-1.04172	0.06789	0.125544	NA
AT4G28510	PBH1	165.2576	167.7191	168.6827	257.3473	246.4378	227.2797	144.0672	183.4145	217.7029	140.0922	134.3637	149.1705	0.53729	0.002856	0.114837	0.631457	-0.23587	0.483261
AT4G28520	CRC	0	0	0	0.824831	0	0	0	0	0	0	0	0	0.173038	NA	0	NA	0	NA
AT4G28530	anaoC74	2.377808	0	3.862963	3.71174	3.974804	0.996841	3.557214	9.710009	4.88123	7.676285	5.321336	6.215439	0.18052	0.818792	0.840608	0.219307	0.921993	NA
AT4G28540	CKL6	256.8033	217.678	236.9284	278.3805	304.0725	304.0364	325.8541	257.8547	227.4653	256.196	242.1208	256.9048	0.303836	0.048086	0.182323	0.366944	0.08061	0.836222
AT4G28550	AT4G28550	51.12287	69.5856	50.21852	62.27475	62.93439	71.77254	58.69403	69.04896	67.16749	59.86503	54.90305	0	0.276715	0.469205	0.274773	0.353224	0.108661	0.852822
AT4G28556	RIC7	1.188904	3.568492	2.575309	11.96005	5.299738	1.993682	6.225124	3.23667	5.87476	2.878607	5.321336	2.071813	0.940948	0.144449	0.630271	0.385521	0.235339	NA
AT4G28560	RIC7	3.566712	3.568492	7.725926	6.186234	4.637271	5.981045	3.557214	2.15778	1.952492	7.676285	5.321336	2.071813	0.136634	0.856714	-0.60069	0.40037	0.010641	NA
AT4G28564	AT4G28564	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G28570	FAO4B	241.3475	201.6198	180.2716	270.1322	245.1129	312.0112	218.7687	278.3536	216.7266	183.2713	200.8804	182.3195	0.392278	0.034796	0.185595	0.399461	-0.14054	0.707793
AT4G28580	MRS2-6	3.566712	0	0	0	0	0	0	0	0	0	0	0	-0.5299	NA	-0.50432	NA	-0.32773	NA
AT4G28590	AT4G28590	45.17835	71.36984	63.09506	91.14384	95.39529	82.37778	84.48383	96.0212	138.6269	60.45074	50.55269	65.765708	0.575343	0.036438	0.80496	0.00317	0.082103	0.901923
AT4G28600	NPGR2	290.0926	237.3047	253.6679	213.2189	202.715	250.207	240.1119	296.6947	222.5841	251.3983	243.5411	253.7971	-0.23788	0.192233	-0.04774	0.83991	-0.06457	0.780094
AT4G28610	PHR1	543.3291	599.5067	647.6901	546.8631	616.0946	531.3161	657.1953	579.3639	534.0066	618.9005	634.5693	594.6103	-0.07711	0.641893	-0.01425	0.94251	0.045322	0.888185
AT4G28620	ABC24	0	1.784246	0	1.237247	0	1.993682	0.889303	1.07889	0	0.995936	1.330334	2.071813	0.249803	0.729913	0.05037	0.94994	0.418379	NA
AT4G28630	ABC23	296.0371	301.5376	321.9136	264.7708	248.4252	278.1186	321.0386	265.4069	206.9642	358.8663	400.4305	337.7055	-0.21445	0.267419	-0.20697	0.3169	0.247354	0.403584
AT4G28640	IAA11	73.71204	89.21263	93.99877	90.73143	105.9948	75.7599	117.3881	65.81229	105.3446	105.5489	113.0784	110.842	0.092689	0.768178	0.171956	0.582826	0.347225	0.408691
AT4G28650	PXL2	27.34479	24.97944	21.21182	9.073143	11.92441	20.93366	19.56468	19.42002	20.33117	16.31211	30.59768	21.75404	-0.20377	0.046174	-0.28379	0.562279	-0.12047	0.896642
AT4G28652	AT4G28652	1.188904	0	1.287654	0	0	0.996841	0	0	0	0	0	0.266068	0.2071813	-0.34054	NA	-0.4776	0.280652	NA
AT4G28660	P5B28	691.9421	788.6367	740.4012	476.34	457.7649	356.869	627.8483	539.445	1145.137	947.0617	983.1168	858.7665	-0.74904	0.001797	0.056973	0.866918	0.316544	0.446507
AT4G28670	CRK43	0	5.352738	1.287654	1.237247	0	0.996841	0	1.07889	0	1.330334	0	0	-0.44597	0.493369	-0.65535	0.293041	-0.61583	NA
AT4G28680	TYRDC	29.7226	39.25341	42.49259	48.66504	37.09817	38.87679	20.45398	21.5778	14.6369	51.81492	51.88302	43.50807	-0.180552	0.614669	-0.88871	0.009154	0.387221	0.465594
AT4G28690	AT4G28690	49.93397	33.90067	38.62963	32.58083	35.77323	37.87995	38.24005	35.60337	21.47741	39.34096	33.25835	39.36045	-0.21953	0.537084	-0.35262	0.337846	-0.13034	0.855651
AT4G28700	AMT1-4	4.755616	5.352738	3.862963	0.824831	1.987402	0.996841	1.778607	0	0.972646	3.838143	1.197301	6.215439	-1.08192	0.009577	-1.13649	0.913814	0.490164	NA
AT4G28703	AT4G28703	2.377808	5.352738	6.438272	17.73837	21.19895	19.93682	21.34328	20.49										

AT4G29160	VPS32.2	580.1851	688.719	633.5259	977.0125	1076.509	941.0177	845.7276	944.0287	1082.657	523.9065	448.3225	498.271	0.649879	1.52E-06	0.58941	2.02E-05	-0.36102	0.074142
AT4G29170	MND1	22.58917	37.46917	24.46543	54.85127	53.65985	40.87047	41.79726	39.91893	44.90732	85.65307	35.91902	46.61579	0.816614	0.007624	0.57175	0.096489	0.704413	0.123878
AT4G29180	RHS16	2.377804	1.784246	1.287654	2.474493	1.987402	0.996841	1.778607	1.07889	1.952492	0.995936	1.330334	2.071813	0.050905	0.953813	-0.08017	0.928632	-0.14611	NA
AT4G29190	AT4G29190	510.0398	747.5991	553.6914	592.2288	590.2583	739.6559	674.9813	745.5129	702.8971	381.8952	345.8868	402.9676	0.086988	0.678625	0.23076	0.23474	-0.65857	0.001301
AT4G29200	AT4G29200	0	1.784246	0	0	0	0	0	0	0.889303	0	0	0	-0.26522	NA	-0.08117	NA	-0.24296	NA
AT4G29210	GGT3	247.292	208.7568	184.1346	418.1894	400.7927	399.7332	500.6739	511.3938	475.4318	197.6643	190.2378	178.1759	0.913189	2.78E-11	0.159535	1.49E-18	-0.17882	0.52809
AT4G29220	PKF1	709.7757	815.4004	728.8124	720.9024	741.3009	752.6148	947.9975	1015.235	827.8566	918.2756	963.1618	787.289	-0.02321	0.898036	0.30717	0.029139	0.242445	0.246344
AT4G29230	anao7K	17.83356	16.05821	18.02716	12.92488	11.26194	11.96209	17.78607	11.86779	7.809968	16.31211	22.61568	20.71813	-0.46454	0.311776	-0.40392	0.429889	0.16519	NA
AT4G29240	AT4G29240	86.78999	73.15409	83.69753	24.74493	40.4105	27.91154	41.79726	35.60337	24.40615	62.36982	71.83803	74.58527	-1.33311	4.27E-07	-1.19339	0.000017	-0.22029	0.676985
AT4G29250	AT4G29250	1.188904	3.568492	0	0.412416	0	0	0.889303	0	0	5.757214	6.65167	4.143626	-0.80411	0.228227	-0.58174	0.421719	1.164213	NA
AT4G29260	AT4G29260	118.8904	171.2876	131.3407	167.7329	146.4053	155.5072	131.6169	153.2024	144.4844	167.9187	182.2558	137.7756	0.158666	0.478424	0.039527	0.887113	0.217836	0.539375
AT4G29270	AT4G29270	5.94452	8.92123	10.30123	15.25938	12.58688	5.981045	5.335821	9.710009	10.73871	30.70514	41.24035	35.22082	0.392572	0.463268	0.00376	0.995691	1.812884	0.000488
AT4G29273	LCR23	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G29276	AT4G29276	0	0	0	0	0	0	0	0	0.976246	0	0	0	0	NA	0.16673	NA	0	NA
AT4G29280	LCR22	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G29281	AT4G29281	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0.172362	NA
AT4G29283	LCR21	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G29285	LCR24	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT4G29290	LCR26	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G29300	LCR27	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G29305	LCR25	0	0	1.287654	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT4G29310	AT4G29310	246.1031	253.3629	265.2568	89.9066	76.18374	99.68408	61.36194	86.3112	90.79088	237.0053	250.1028	256.9048	-1.49993	3.7E-19	-1.647	1.12E-20	-0.03847	0.930902
AT4G29330	DER1	167.6355	176.6404	202.1617	459.431	476.9764	431.6321	314.8134	305.3259	290.9213	180.3927	176.9344	184.3914	1.308575	4.17E-23	0.725738	3.46E-07	-0.01299	0.976969
AT4G29340	PRO3	0	0	0	2.886909	2.649869	0	0	0	1.952492	0	0	1.035907	0.774001	NA	0.269205	NA	0.139212	NA
AT4G29350	PRO2	2419.42	2517.571	2713.088	2892.27	2615.421	2389.427	1706.573	1721.908	3113.248	2635.844	2338.727	2839.42	0.04483	0.875568	-0.21891	0.393301	0.029854	0.959216
AT4G29360	AT4G29360	185.469	158.7979	171.258	87.84452	93.40789	88.71883	94.26617	98.17898	66.38473	194.7587	175.6041	152.2783	-0.91545	1.09E-06	-0.97296	6.52E-07	0.016086	0.976969
AT4G29370	AT4G29370	0	0	0	0	0	0	0	0	0.976246	0.995936	0	0	0	NA	0.146371	NA	0.148275	NA
AT4G29380	AT4G29380	404.2273	374.6917	284.5716	244.5624	212.652	327.9606	354.8321	419.6882	233.3228	289.7798	239.4601	263.1203	-0.42594	0.089344	-0.07473	0.819898	-0.40609	0.287597
AT4G29390	RPS30C	395.905	326.517	385.0086	584.8053	649.8804	412.6921	378.8433	288.0636	480.7273	731.6837	481.6965	0.51294	0.219235	0.335529	0.471326	0.547531	0.391267	0.547531
AT4G29400	AT4G29400	130.7794	149.8767	142.9296	127.024	134.4809	103.6714	129.8383	126.2301	170.2581	150.6471	190.2378	162.6373	-0.19233	0.355747	-0.13257	0.157586	0.242872	0.451792
AT4G29410	RPL28C	574.2406	645.8971	685.0321	998.0457	999.0006	785.5105	586.9403	624.6773	894.2413	775.3048	832.7891	768.6426	0.537336	0.002962	0.141714	0.530827	0.312146	0.281585
AT4G29415	AT4G29415	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G29420	AT4G29420	109.3792	123.113	101.7247	82.89553	84.79581	101.6778	88.04104	80.91675	89.81463	91.15588	87.80204	87.01615	-0.31004	0.140654	-0.34884	0.121154	-0.31095	0.358921
AT4G29430	RPS15AE	27.34479	44.60615	54.08148	77.94654	64.25933	66.78833	38.24005	56.10228	74.1947	49.89585	35.91902	43.50807	0.696979	0.026294	0.346641	0.2929284	0.051197	0.952647
AT4G29440	AT4G29440	261.5589	223.0308	150.6556	155.0683	154.3549	218.3081	194.7575	216.8569	125.9357	184.2308	187.5771	153.1342	-0.26322	0.359682	-0.23109	0.457317	-0.26349	0.577818
AT4G29450	AT4G29450	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.092091	NA	0	NA	0.290617	NA
AT4G29460	PLA2-GAMMM	1.188904	0	0	3.71174	5.299738	0.996841	0.889303	2.15778	0	0	3.991002	4.143626	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT4G29470	PLA2-DELTA	1.188904	0	0	3.71174	5.299738	0.996841	0.889303	2.15778	0	0	3.991002	4.143626	0.99364	0.127013	0.182333	0.827057	0.743299	NA
AT4G29480	AT4G29480	319.8152	331.8698	381.1457	565.8342	541.8982	465.5246	417.9726	414.2937	534.9828	473.0511	385.7969	469.2657	0.598886	0.000217	0.396306	0.024235	0.357842	0.150994
AT4G29490	AT4G29490	301.9816	296.1848	300.9272	461.9054	435.241	404.7174	411.7475	390.5582	446.1444	358.8663	323.2712	304.5565	0.482836	0.00037	0.419112	0.003294	0.084744	0.779875
AT4G29510	PRMT11	384.016	337.2225	381.1457	496.1359	488.9008	456.5531	480.2239	391.637	387.5697	389.5715	469.6079	353.2441	0.379183	0.016563	0.18681	0.310403	0.127143	0.684244
AT4G29520	AT4G29520	197.3581	219.4623	204.737	740.6984	840.671	684.8296	509.5709	510.3149	799.5455	165.9997	194.2288	208.2172	1.819533	2.65E-22	1.509074	2.18E-15	-0.12477	0.781311
AT4G29530	AT4G29530	41.61164	53.52738	54.08148	69.69823	79.49607	77.75358	71.14428	73.36452	75.17094	64.28889	98.44471	68.36983	0.580462	0.022557	0.540464	0.047673	0.595067	0.105284
AT4G29540	LPXA	32.10041	30.33218	29.61605	53.61402	62.27192	57.81677	39.12935	45.31338	43.93107	31.66468	33.25835	35.22082	0.863172	0.001781	0.443094	0.178265	0.106874	0.879636
AT4G29548	AT4G29548	1.188904	0	0	0	0.662467	0	0	0	0	0	0	1.035907	-0.09382	NA	-0.21476	NA	-0.02619	NA
AT4G29550	AT4G29550	0	1.784246	1.287654	7.011065	5.299738	4.984204	3.557214	4.31556	2.928738	0	1.330334	3.10772	1.371666	0.02925	0.835171	0.238584	0.159693	NA
AT4G29560	AT4G29560	28.53369	33.90067	27.04074	25.56977	23.18635	39.87363	24.9005	42.07671	19.52492	25.90746	22.61568	19.68222	-0.02887	0.953663	-0.04328	0.934777	-0.33951	0.633705
AT4G29570	CDA8	0	0	0	2.474493	3.312336	1.993682	0	0	2.928738	0.995936	0	1.035907	1.08353	0.071839	0.437039	0.52624	0.311127	NA
AT4G29580	CDA9	1.188904	3.568492	1.287654	0.412416	2.649869	1.993682	0.889303	0	0	0.995936	1.330334	0	-0.0589	0.944745	-0.71579	0.290968	-0.46972	NA
AT4G29590	AT4G29590	255.6143	335.4383	281.9963	236.3141	206.0273	238.2449	343.2711	333.377	329.9711	426.0338	532.1336	306.6283	-0.34509	0.107459	0.205526	0.394295	0.522769	0.056905
AT4G29600	CDA7	0	1.784246	0	0	1.324935	0	0.889303	0	0	0	0	0	-0.0167	NA	-0.08781	NA	-0.23897	NA
AT4G29610	CDA6	15.45575	14.27397	12.87654	5.773818	3.974804	4.984204	10.67164	9.710009	14.64369	11.51443	9.312338	11.39497	-1.2465	0.008379	-0.23326	0.695702	-0.33042	NA
AT4G29620	CDA2	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G29630	CDA3	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G29640	CDA5	0	0	0	1.237247	0	0	0	1.07889	0	0	0	0	0.196938	NA	0.140963	NA	0	NA
AT4G29650	CDA4	0	1.784246	0	0	0.662467	0	0	1.07889	1.952492	1.919071	0	0	-0.18737	NA	0.213716	NA	0.072787	NA
AT4G29654	AT4G29654	0	0	0	0	0	0	1.07889	0	0	0	0	0	0	NA				

AT4G31020	AT4G31020	9.511232	10.70548	7.725926	10.7228	12.58688	15.94945	8.003731	7.55223	13.66744	12.47396	2.660668	13.46678	0.392696	0.489952	0.058523	0.935233	0.073493	NA
AT4G31030	AT4G31030	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G31040	AT4G31040	902.3781	952.7874	900.0704	813.2835	810.1975	771.5548	923.9863	904.1098	845.429	1004.634	840.7711	1008.973	-0.19787	0.104916	-0.04162	0.793682	0.054383	0.836447
AT4G31050	LIP2P	184.2801	132.0342	150.6556	116.7136	104.0074	127.5956	167.1891	154.2813	107.3871	200.5429	214.1838	190.6068	-0.4256	0.049961	-0.12804	0.636524	0.353123	0.287173
AT4G31060	ERF015	140.2907	135.6027	142.9296	125.3743	137.1307	137.564	147.6244	118.6779	134.7219	132.4159	142.3457	160.5655	-0.07276	0.748258	-0.05958	0.813158	0.05215	0.905632
AT4G31070	PCMP-E7	16.64466	16.05821	23.17728	20.20836	13.91181	33.89259	25.7988	40.99782	10.73871	30.70514	21.28534	17.61041	0.20488	0.715586	0.385991	0.883451	0.264047	0.783637
AT4G31075	AT4G31075	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G31080	AT4G31080	506.4731	503.1574	500.8975	438.3978	404.7675	482.4709	437.5373	463.9227	410.0233	419.3171	361.8508	415.3985	-0.18993	0.176049	-0.20227	0.172102	-0.32885	0.076975
AT4G31100	WAKL17	3.566712	5.352738	2.575309	4.124156	4.637271	1.993682	5.335821	7.55223	5.87476	3.838143	0	5.179533	-0.01386	0.987104	0.511768	0.479933	-0.14638	NA
AT4G31110	WAKL18	4.755616	5.352738	5.150617	5.773818	3.312336	9.968408	12.45025	7.55223	5.87476	10.55489	13.30334	3.10772	0.164383	0.821618	0.5518	0.410977	0.569175	NA
AT4G31115	AT4G31115	219.9472	267.6369	229.2025	237.139	249.0877	258.1818	369.0609	362.507	361.211	326.2421	278.0398	293.1615	0.057918	0.753797	0.609905	1.36E-05	0.332585	0.117619
AT4G31120	PMRT15	235.403	262.2842	251.0926	249.9238	262.337	234.2576	217.8794	278.3536	164.0093	159.2829	172.9434	232.0431	-0.00021	0.999744	-0.17625	0.497941	-0.3927	0.238317
AT4G31130	AT4G31130	187.8468	258.7157	186.7099	409.5287	392.8431	350.888	289.0236	292.3792	405.1421	183.2713	194.2288	180.2477	0.859161	2.25E-06	0.635254	0.000927	-0.1692	0.655184
AT4G31136	AT4G31136	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G31140	AT4G31140	133.1572	99.91778	96.57408	41.24156	45.04777	36.88311	44.46517	51.78672	46.85981	71.96517	46.56169	79.7648	-1.35981	1.23E-08	-1.16219	3.24E-06	-0.69639	0.838645
AT4G31150	AT4G31150	91.5456	82.07532	86.27284	137.7468	129.1811	120.6177	152.9602	108.9679	99.57709	81.56053	89.13238	96.33931	0.559752	0.011083	0.460356	0.003904	0.030753	0.96079
AT4G31160	DCAF1	436.3277	299.7533	243.3667	143.1082	129.8436	159.4945	176.0821	199.5946	131.7932	185.1904	194.2288	214.4327	-1.14533	1.6E-07	-0.92008	0.000047	-0.70031	0.017604
AT4G31170	AT4G31170	634.8747	826.1059	708.2099	920.5116	787.6736	888.1851	704.3284	837.2186	928.4099	581.4786	544.1066	567.6768	0.259852	0.104502	0.187815	0.28555	-0.34719	0.119101
AT4G31180	AT4G31180	896.4336	909.9655	852.4272	1033.513	1000.988	1083.566	902.643	924.6087	946.9586	712.935	776.915	718.9191	0.228175	0.026973	0.061691	0.638445	-0.26662	0.061632
AT4G31190	AT4G31190	7.133424	0	5.150617	4.949887	3.974804	2.990522	4.46517	3.23667	4.88123	4.797678	6.65167	3.10772	-0.07558	0.925562	-0.04586	0.957402	-0.075894	NA
AT4G31196	AT4G31196	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G31200	AT4G31200	165.2576	114.1917	104.3	104.7536	95.39529	100.6809	96.04478	118.6779	69.31347	113.2252	137.0244	99.44703	-0.34323	0.195718	-0.42676	0.120689	-0.14154	0.787884
AT4G31210	AT4G31210	354.2934	324.7328	357.9679	267.2453	205.3649	310.0175	265.9017	373.2959	226.4891	316.6468	327.2622	355.3159	-0.40002	0.065171	-0.2569	0.288234	-0.05343	0.917771
AT4G31230	AT4G31230	4.755616	3.568492	3.862963	29.69392	25.17376	32.89575	15.11816	12.94668	11.71495	2.878607	3.991002	1.035907	2.334447	4.17E-07	1.278428	0.014808	-0.43296	NA
AT4G31240	AT4G31240	87.97889	64.23286	74.68395	73.40997	58.95959	83.73463	117.3881	115.4412	78.09968	72.92471	91.79304	83.90843	-0.08447	0.7798	0.424559	0.121091	0.107649	0.852822
AT4G31248	AT4G31248	0	0	0	0	0.662467	0	0	0	0	0	1.330334	1.035907	0.108768	NA	0	NA	0.379095	NA
AT4G31250	AT4G31250	8.322328	3.568492	7.725926	3.71174	5.299738	2.990522	3.557214	3.23667	0.972646	2.878607	1.330334	6.215439	-0.5016	0.458859	-0.89022	0.186673	-0.61544	NA
AT4G31260	AT4G31260	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G31265	AT4G31265	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT4G31270	AT4G31270	64.20081	76.72258	82.40988	102.2791	90.09555	58.81361	93.37687	78.75897	91.76712	66.20796	69.17737	76.65708	0.192222	0.508932	0.237418	0.434874	-0.06763	0.915437
AT4G31280	AT4G31280	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G31290	AT4G31290	624.1746	685.1505	759.7161	456.1316	467.0394	429.6384	669.6455	600.9417	757.5669	841.5127	731.6837	765.5349	-0.60331	6.66E-06	-0.0273	0.889789	0.176446	0.467612
AT4G31300	PBA1	441.0834	485.3149	467.4185	740.286	768.462	605.0824	630.5162	589.0739	809.3079	827.7446	558.7403	498.271	0.595057	0.000154	0.53246	0.001003	0.18241	0.538161
AT4G31310	AT4G31310	228.2696	185.5616	271.6951	232.6024	294.1355	213.3239	231.2189	195.2791	396.3559	286.9012	345.8868	321.131	0.102159	0.753946	0.242793	0.420032	0.450333	0.26247
AT4G31320	AT4G31320	0	0	0	0.412416	0.662467	0	0.889303	1.07889	0	0	0	0	0.222195	NA	0.359779	NA	0	NA
AT4G31330	AT4G31330	33.28931	39.25341	46.35556	29.28151	26.49869	24.92102	19.56468	19.42002	16.59618	45.09817	5.43669	49.72351	-0.50746	0.107208	-1.00976	0.002108	0.3122	0.563955
AT4G31340	AT4G31340	961.8233	981.3353	1023.685	1095.788	1020.2	1091.541	977.3445	1013.078	768.3056	807.929	754.2994	902.2746	0.111214	0.489549	-0.10389	0.545207	-0.26317	0.217892
AT4G31350	AT4G31350	234.2141	219.4623	294.8728	216.1058	213.9769	204.3524	216.1007	245.9869	160.1043	258.1151	235.4691	243.348	-0.23574	0.249498	-0.26657	0.214133	-0.02465	0.961402
AT4G31351	AT4G31351	1.188904	1.784426	5.150617	2.886909	2.649869	8.971567	0	2.15778	3.904984	3.838143	0	3.10772	0.4462	0.546519	-0.22556	0.792662	-0.08772	NA
AT4G31354	AT4G31354	0	7.136984	2.575309	1.649662	2.649869	4.984204	3.557214	3.23667	9.28738	5.757214	1.330334	2.071813	-0.01734	0.984095	0.079071	0.929473	0.056409	NA
AT4G31355	AT4G31355	2.377808	3.568492	1.287654	2.886909	2.649869	1.993682	2.66791	1.07889	0.972646	0	0	1.035907	0.136065	0.869801	-0.24918	0.766629	-0.83374	NA
AT4G31360	AT4G31360	76.08985	55.31163	43.78025	60.21267	69.55906	50.83888	39.12935	47.47116	94.69586	62.36982	74.4987	69.40574	0.040087	0.928652	0.038539	0.934765	0.209677	0.757425
AT4G31370	FLAS	0	0	0	0.412416	0	0	0.996841	0	1.07889	0	1.919071	1.330334	0.198876	NA	0.158767	NA	0.865437	NA
AT4G31380	FLP1	2.377808	5.352738	1.287654	0	1.324935	0	0.889303	3.23667	0	0.959536	3.991002	0	-0.45116	0.15958	-0.45116	0.545207	-0.37509	NA
AT4G31390	AT4G31390	285.3369	283.6951	220.1889	228.8906	194.7654	246.2197	452.6555	496.2894	308.4937	272.5081	282.0308	319.0592	-0.23091	0.335153	0.65562	0.001369	0.144486	0.730957
AT4G31398	AT4G31398	0	0	0	1.649662	0.662467	1.993682	0.889303	1.215778	0.972646	0	0.5321336	1.035907	0.634621	0.312514	0.581891	0.396025	0.817262	NA
AT4G31400	CTF7	19.02246	19.62671	21.89012	20.62078	12.58688	28.90838	23.12189	18.34113	20.50117	17.27164	19.95501	16.5745	0.005054	0.992671	0.034392	0.951375	-0.15871	0.864774
AT4G31408	AT4G31408	0	0	0	0	0.824831	0	0	0	1.952492	0	0.3991002	0	0.09798	NA	0.24532	NA	0.441063	NA
AT4G31410	AT4G31410	312.6817	283.6951	355.3926	379.8347	464.3896	369.8279	389.5149	390.5882	363.1635	304.1728	372.4935	292.1256	0.341834	0.040842	0.255388	0.164516	0.06112	0.972422
AT4G31420	AT4G31420	248.4800	264.0684	298.7358	291.1654	272.274	278.1186	368.1716	362.507	326.062	288.2022	236.7994	285.9101	0.053487	0.779882	0.375885	0.015488	0.005426	0.990348
AT4G31430	KAKU4	307.9261	237.3047	248.5173	282.9171	271.6116	281.1001	275.6841	294.537	345.0377	230.2886	262.0758	220.6481	0.065951	0.741069	0.029716	0.685256	-0.16368	0.587303
AT4G31440	AT4G31440	26.15589	24.97944	37.34198	37.94223	33.78583	50.83888	37.35075	50.70783	42.25366	41.26003	31.92802	41.43626	0.40524	0.280974	0.276062	0.519652	0.389596	0.602089
AT4G31441	AT4G31441	8.322328	8.92123	12.87654	12.78488	10.59948	7.974726												

AT4G31910	AT4G31910	17.83356	12.48972	14.1642	15.25938	11.26194	7.974726	12.45025	10.7889	7.809968	20.15025	19.95501	10.35907	-0.28257	0.592904	-0.44777	0.414892	0.13923	NA
AT4G31920	ARR10	180.7134	217.678	216.3259	143.933	131.831	198.3713	160.0746	180.1746	108.3663	139.1327	211.5231	181.2836	-0.36674	0.15341	-0.43526	0.100768	-0.20315	0.663474
AT4G31930	AT4G31930	38.04493	21.41095	39.91728	50.72712	44.38531	40.87047	39.12935	42.95482	43.1791	41.24035	41.43626	0.406774	0.209275	0.110156	0.795866	0.286305	0.624367	
AT4G31940	CYP82C4	0	0	0	1.237247	0	0.996841	2.66791	1.07889	1.952492	0.959536	0	0	0.380186	NA	0.88074	NA	0.15565	NA
AT4G31950	CYP82C3	2.377808	0	0	3.299325	3.312336	2.990522	6.225124	5.39445	2.928738	0.959536	0	0	0.828781	0.222255	1.20372	0.072343	-0.31131	NA
AT4G31960	AT4G31960	0	0	0	1.237247	0	0	0.889903	0	0	0.959536	0	0	0.210336	NA	0.130462	NA	0.143417	NA
AT4G31970	CYP82C2	4.755616	1.784246	5.150617	35.46774	29.14856	46.85152	28.45771	12.94668	9.76246	2.878607	1.330334	1.035907	2.552921	1.076-07	1.553437	0.003177	-0.62538	NA
AT4G31980	AT4G31980	133.1572	128.4657	148.0802	190.1236	221.2641	195.3808	172.5249	202.8313	202.0829	103.6298	77.15937	135.7038	0.548626	0.006662	0.4772	0.026372	-0.3526	0.304667
AT4G31985	RPL39C	141.4796	101.702	108.163	149.7069	176.2163	105.6651	100.4913	46.39227	320.2087	118.9824	207.5321	227.8994	0.225066	0.737727	0.312193	0.647009	0.502603	0.611918
AT4G31990	ASP5	1267.372	1100.88	1143.437	1125.482	1043.386	1048.676	1256.586	1309.772	1267.167	1268.506	1203.952	1178.862	-0.12622	0.271942	0.123045	0.310586	0.053199	0.812628
AT4G32000	AT4G32000	105.8125	69.5856	78.54691	40.41673	41.73544	31.8989	28.45771	30.20892	16.59618	90.19635	67.84703	64.2262	-1.09276	4.62E-05	-1.65728	5.81E-09	-0.18842	0.736164
AT4G32010	VAL2	136.2484	317.5958	253.6679	290.3406	235.8383	284.0996	302.3632	298.8525	188.4155	285.9416	239.4601	224.7917	-0.12559	0.617613	-0.16203	0.531833	-0.23208	0.543547
AT4G32020	AT4G32020	2842.669	2423.006	2568.87	2251.377	2998.327	2895.822	3483.402	2849.348	3390.502	1773.222	1572.455	2318.359	0.053978	0.814913	0.305006	0.117422	-0.45819	0.058445
AT4G32030	AT4G32030	223.5139	228.3835	213.7506	256.9349	255.7124	298.0554	203.6505	226.5669	330.9474	159.2829	220.8354	180.2477	0.274446	0.224479	0.188544	0.457061	-0.24598	0.51804
AT4G32040	KNA75	298.4149	285.4794	270.4074	362.5133	345.8079	321.9796	291.6915	309.6414	347.5436	185.1904	200.8804	256.9048	0.269255	0.114344	0.14811	0.455211	-0.40187	0.090007
AT4G32050	AT4G32050	93.92341	101.702	96.57408	111.3522	96.05775	106.662	105.8271	121.9146	69.31347	116.1038	103.766	106.6984	0.105952	0.705178	0.023377	0.943672	0.160887	0.730004
AT4G32060	AT4G32060	1546.764	1903.791	1760.223	2406.032	2581.635	2666.549	3544.764	3303.561	3642.374	1773.222	184.182	1945.432	0.55129	4.27E-07	1.003277	1.31E-21	0.094648	0.675122
AT4G32070	Phox4	273.4479	181.9931	162.2444	105.9908	109.3071	180.4282	138.7313	146.729	177.6768	159.2829	151.6581	169.8887	-0.6358	0.102567	-0.40298	0.153552	-0.34982	0.416844
AT4G32080	AT4G32080	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0.172362	NA
AT4G32090	AT4G32090	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G32100	AT4G32100	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT4G32105	AT4G32105	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0.172362	NA
AT4G32110	AT4G32110	0	0	2.575309	0	0	0	0	0	0	0	0	0	-0.35185	NA	-0.34032	NA	-0.33663	NA
AT4G32120	B3GAL110	127.2127	158.7979	160.9568	144.7579	147.0677	159.4945	112.9415	153.2024	131.7932	134.335	143.6761	131.5601	0.015526	0.951588	-0.16216	0.484195	-0.11907	0.766458
AT4G32130	AT4G32130	204.4915	214.1095	220.1889	311.3738	299.4352	324.9701	248.1157	247.0658	330.9474	192.8667	146.3367	189.5709	0.539929	0.00175	0.364413	0.054697	-0.25862	0.401957
AT4G32140	AT4G32140	102.2457	105.2705	90.1358	89.08176	94.73282	93.70303	92.48756	88.46897	109.3396	92.11542	87.80204	89.03796	-0.09777	0.689416	-0.02964	0.91778	-0.1359	0.749335
AT4G32150	VAMP171	618.2301	763.6573	663.142	706.0555	699.5654	791.4916	793.2587	949.4231	1027.987	656.3224	685.122	589.4308	0.103641	0.554348	0.435027	0.003587	-0.07912	0.805717
AT4G32160	AT4G32160	345.971	278.3424	298.7358	291.9902	262.9995	375.809	369.9502	381.927	289.9451	258.1151	282.0308	287.982	0.000795	0.99822	0.16635	0.458834	-0.15819	0.66087
AT4G32170	CYP96A2	0	0	0	0	0	0	0	0	0.972646	0	0	0	0	NA	0	NA	0.16673	NA
AT4G32175	AT4G32175	49.93397	57.09587	60.51975	63.09958	64.25933	49.84204	66.69776	44.23449	52.71728	55.65307	46.56169	63.1903	0.095722	0.77364	-0.021	0.956731	-0.00575	0.993459
AT4G32180	PANK2	150.0398	508.5101	419.7753	520.056	441.8657	501.4109	472.2201	553.4705	394.4034	423.1552	393.7789	452.6912	0.026465	0.90452	-0.0178	0.940015	-0.17402	0.564516
AT4G32190	AT4G32190	80.67699	804.695	686.3198	304.7751	296.1229	354.8753	359.2786	373.2959	314.3512	841.5127	780.906	784.1812	-1.25509	1.28E-23	-1.11898	2.16E-11	0.068525	0.814993
AT4G32200	ASY2	51.12287	51.74343	48.93086	37.52982	30.47349	26.6791	31.28781	26.35864	42.21957	14.63367	27.96948	0.47153	0.158709	-0.7885	0.021073	-0.74276	0.119122	
AT4G32205	AT4G32205	1.188904	1.784246	2.575309	5.73818	5.299738	5.981045	4.446517	3.23667	4.88123	2.878607	0	1.035907	1.006932	0.117084	0.662617	0.361687	-0.19374	NA
AT4G32208	AT4G32208	67.76752	48.17464	65.67037	69.28582	94.73282	70.7775	64.91915	49.62894	111.292	73.88424	77.15937	53.86714	0.334813	0.326515	0.283867	0.447931	0.1465	0.836113
AT4G32210	SDH3	565.9183	528.1368	522.7877	518.4064	667.1045	574.1803	518.6439	552.3916	1.954292	3.056753	556.0796	493.015	0.117676	0.458055	0.001571	0.993672	-0.05877	0.853259
AT4G32212	AT4G32212	5.94452	5.352738	9.01358	0.248831	0.662467	0.996841	4.446517	0	0.952492	8.388143	10.64267	10.35907	-1.71333	0.400489	-0.02448	0.125408	-0.219787	NA
AT4G32215	AT4G32215	0	0	0	0.412416	0	0	0	0	0	0.959536	0	0	0.066171	NA	0	NA	0.145274	NA
AT4G32220	AT4G32220	3.566712	8.91213	6.438272	4.124156	5.962205	3.987363	3.552124	2.15778	6.833722	2.878607	3.991002	9.323159	-0.2638	0.712997	-0.36608	0.63278	-0.11494	NA
AT4G32230	AT4G32230	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G32240	AT4G32240	164.0687	146.3082	150.6556	256.1101	256.3748	205.3492	160.0746	146.729	290.9213	196.7048	168.9524	191.6427	0.61475	0.013107	0.357009	0.20299	0.261416	0.56626
AT4G32250	AT4G32250	322.193	289.0479	291.0099	279.6178	282.2111	342.9132	306.8097	257.8547	223.5603	300.3347	292.6735	279.6948	-0.00517	0.981788	-0.19194	0.326816	-0.04945	0.90075
AT4G32260	AT4G32260	5920.742	6557.104	6434.409	3639.567	3881.396	3265.65	4471.418	4638.148	7298.415	7290.552	8236.098	6447.482	-0.79056	1.67E-05	-0.19999	0.375836	0.211393	0.538161
AT4G32265	AT4G32265	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G32270	AT4G32270	123.646	115.976	151.9432	100.217	127.8562	92.70619	128.949	152.1235	168.8906	115.1443	123.7211	136.379	-0.28174	0.216198	0.187874	0.459807	-0.06448	0.898417
AT4G32272	AT4G32272	118.8904	123.113	148.0802	200.0216	184.8284	214.3208	162.7425	173.7013	117.1495	117.0633	85.14137	91.15977	0.599045	0.003772	0.208233	0.414892	-0.3913	0.258548
AT4G32280	IAA29	185.469	339.0067	309.037	35.88015	36.4357	31.8989	26.6791	23.73558	30.26363	139.1327	123.7211	152.2783	-2.85874	5.97E-35	-3.18906	3.51E-37	-0.96211	0.000531
AT4G32285	AT4G32285	652.7083	590.5854	571.7185	503.9718	466.377	563.215	498.8993	575.0483	438.3345	423.1552	460.2956	476.517	-0.24365	0.116438	-0.26183	0.10586	-0.41238	0.03697
AT4G32290	AT4G32290	42.80054	41.03766	42.49259	18.14629	15.23675	16.94629	16.89677	19.42002	30.26363	24.94793	19.95501	20.90538	-1.22152	0.001664	-0.85856	0.014331	-0.7068	0.159404
AT4G32295	AT4G32295	64.20081	66.0171	52.79383	47.01538	52.99738	38.87679	39.12935	36.68226	37.09735	50.85539	51.88302	58.01077	-0.36075	0.185367	-0.65605	0.018684	-0.17164	0.748808
AT4G32300	SD25	300.7927	315.8115	249.8049	256.1101	241.8006	334.9385	351.2749	422.9249	341.6681	254.2769	309.9678	277.6229	-0.06807	0.795079	-0.39362	0.066587	-0.04062	0.930902
AT4G32320	APX6	166.4646	228.3835	203.4944	183.5249	171.579	180.4282	223.2152	245.9869	266.5152	305.1323	258.0848	275.5511	-0.14577	0.456138	-0.302899	1.003493	0.493197	0.023716
AT4G32330	AT4G32330	1361.295	1202.582	1202.669	750.183														

AT4G32780	AT4G32780	4.755616	3.568492	5.150617	1.649662	0	2.990522	0.889303	1.07889	0.976246	4.797678	5.321336	3.10772	-0.95146	0.151993	-1.11358	0.10256	-0.01301	NA
AT4G32785	AT4G32785	10.70014	5.352738	6.438272	4.948987	1.324953	3.987363	1.778607	0	2.928738	6.176749	6.65167	9.323159	-0.7975	0.20175	-1.36284	0.030199	0.007417	NA
AT4G32790	AT4G32790	149.8019	140.9554	146.7926	189.7112	174.2289	244.226	198.3147	244.908	191.3442	188.669	143.6761	174.0323	0.45071	0.025352	0.517604	0.01205	0.206558	0.582115
AT4G32800	ERF043	149.8019	112.4075	142.9296	132.3854	158.9921	169.4629	142.2886	159.6757	252.8477	120.9015	125.0514	106.6984	0.163899	0.564822	0.428244	0.102418	-0.20217	0.673152
AT4G32810	CD8	8.322328	1.784246	7.725926	23.50769	20.53649	34.88943	22.23259	15.10446	25.3824	6.716749	11.97301	6.215439	1.679734	0.000198	1.396866	0.003583	0.23477	NA
AT4G32820	AT4G32820	285.3369	264.0684	230.4901	152.5938	123.2189	208.3397	198.3147	227.6458	125.9357	264.8318	242.1208	244.4739	-0.6712	0.004488	-0.48124	0.061388	-0.05068	0.933379
AT4G32830	AUR1	73.71204	60.66437	72.10864	105.166	97.38269	89.71251	79.14801	73.36452	64.43224	11.08229	75.82904	97.37521	0.485616	0.040262	0.057801	0.863951	0.47939	0.177994
AT4G32840	PFK6	108.1903	121.3287	87.5605	108.0529	114.6068	89.71251	106.7146	108.9679	82.98091	129.5373	162.3007	108.7702	-0.00243	0.989628	-0.07522	0.812076	0.327206	0.390655
AT4G32850	PAP54	904.7559	842.1641	737.8259	701.1065	753.2253	767.5674	905.3109	879.2953	991.8659	787.7787	925.9124	779.0017	-0.16138	0.266923	0.158508	0.299464	0.002341	0.995116
AT4G32860	AT4G32860	0	0	0	0.412416	1.324935	0.996841	0	2.15778	3.904984	0	0	0	0.443035	NA	0.883293	NA	0	NA
AT4G32870	AT4G32870	7.133244	23.1952	15.45185	53.61402	43.06037	42.86415	13.33955	14.02557	34.16861	8.635821	9.312338	9.323159	1.487876	0.00028	0.406367	0.443092	-0.56103	0.496345
AT4G32880	ATHB-8	274.6368	210.541	231.7778	110.5274	82.14594	118.6241	137.842	165.0702	68.33722	211.0978	176.9344	172.9964	-1.15081	9.19E-06	-0.90806	0.000789	-0.33863	0.47064
AT4G32890	GATA9	41.61164	46.3904	43.78025	32.99325	20.53649	20.93366	15.11816	20.49891	15.61994	23.02886	34.58868	31.0772	-0.72138	0.030668	-1.24802	0.000333	-0.53749	0.319156
AT4G32900	AT4G32900	139.1018	139.1712	195.7235	231.3651	219.9391	218.3081	172.5249	182.3324	280.1826	203.4216	154.3187	171.9605	0.479081	0.038796	0.403234	0.105845	-0.154391	0.743574
AT4G32910	NUP85	376.8826	303.3128	363.1185	338.9392	355.0825	355.8722	397.5187	431.556	429.5482	348.3114	327.2622	332.526	-0.0021	0.990993	0.258434	0.027279	0.059993	0.858201
AT4G32915	GATC	321.0041	374.6917	382.4333	508.7457	586.946	439.6068	500.6779	429.3982	561.3414	531.5827	701.086	429.9012	0.500234	0.014485	0.457281	0.032828	0.606465	0.020148
AT4G32920	AT4G32920	128.4016	110.6233	97.86173	98.97974	80.82101	98.68724	128.0597	135.9401	93.71962	114.1847	70.5077	108.7702	-0.26727	0.313706	0.080526	0.806488	-0.18167	0.708209
AT4G32924	AT4G32924	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G32930	AT4G32930	134.3461	171.2876	172.5457	242.0879	237.8258	201.3618	154.7388	157.5179	280.1826	170.7973	192.8984	199.93	0.499134	0.041376	0.300941	0.227403	0.230478	0.609181
AT4G32940	GAMMA-VPE	2493.132	2803.051	2203.177	3498.521	3917.169	3634.481	5096.598	5449.473	4766.033	1978.562	2273.541	2117.393	0.554623	4.25E-06	1.020595	1.279188	-0.23256	0.235626
AT4G32950	AT4G32950	9.511232	19.62671	10.30123	24.33252	23.18635	21.9305	15.11816	16.18335	14.64369	9.593536	10.64267	7.251346	0.795636	0.059804	0.237332	0.667788	-0.39567	NA
AT4G32960	AT4G32960	161.6909	198.0153	189.2855	185.1746	199.4026	218.3081	202.7612	192.0424	174.7623	179.5356	160.9704	181.3146	0.131821	0.493952	0.026732	0.785388	-0.0611	0.878612
AT4G32970	AT4G32970	107.0014	78.50683	95.28642	101.0418	100.695	82.73778	82.70522	118.6779	82.98091	89.23681	95.78405	104.6266	0.015589	0.960126	-0.00149	0.996301	0.029665	0.961988
AT4G32980	ATH1	431.5721	363.9862	408.1864	315.0855	331.2336	395.7458	391.2935	347.4026	229.4178	590.1144	602.6413	553.1741	-0.21015	0.334854	-0.30841	0.15839	0.520793	0.044753
AT4G32990	AT4G32990	3.566712	7.136984	10.30123	7.835896	3.974804	6.977885	9.710009	2.928738	9.593536	7.982004	5.179533	-0.09919	0.8938	-0.28097	0.703312	0.100703	0.100703	0.100703
AT4G33000	CLB10	456.5391	467.4725	458.4049	325.3959	361.0447	344.9069	433.0908	331.2192	409.0471	606.2465	508.1876	578.0358	-0.41828	0.00377	-0.23017	0.157961	0.291587	0.179304
AT4G33010	GLDP1	10141.35	6794.409	6421.532	2255.088	2156.993	2568.859	6228.682	7643.935	4887.087	6621.525	5878.746	6158.464	-1.69596	9.05E-20	-0.30814	0.173881	-0.3422	0.285872
AT4G33020	ZIP9	0	0	1.287654	0.412416	0	0	0	0	0	0	0	0	-0.14081	NA	-0.22703	NA	-0.0337	NA
AT4G33030	SQD1	608.7188	686.9347	732.6753	704.8182	540.5733	752.6148	624.291	753.0652	496.9092	696.6229	548.0976	717.8832	-0.02151	0.936903	-0.11128	0.658892	-0.04412	0.928402
AT4G33040	GRXC6	30.9115	35.68492	19.31482	49.07745	45.04777	40.87047	33.79353	29.13003	58.57476	15.35257	25.27635	20.71813	0.628299	0.082391	0.476747	0.236068	-0.43626	0.514832
AT4G33050	EDA39	334.082	437.1403	409.4741	1998.566	1954.941	2206.009	2222.369	2278.616	2241.461	241.803	219.5051	300.4129	2.355602	7.15E-17	2.484957	1.45E-78	-0.61086	0.000877
AT4G33060	CYP5F	221.1361	223.0308	235.6407	284.1543	290.1607	320.9827	294.3595	342.6623	255.2365	262.0758	243.438	0.385244	0.010175	0.546436	0.000233	0.157459	0.579899	0.579899
AT4G33070	PCD1	2.377808	3.568492	2.575309	2.474493	1.324953	6.977885	2.66791	5.39445	4.88123	2.878607	1.330334	1.413626	0.138389	0.864358	-0.37276	0.636141	0.011798	NA
AT4G33080	AT4G33080	73.9765	686.9347	627.1617	590.5791	558.4599	585.1455	630.5162	567.4961	541.8165	752.2759	717.05	691.9856	-0.32366	0.004262	-0.32711	0.006872	-0.01751	0.956354
AT4G33090	APM1	1720.344	1627.232	1437.022	1300.759	1393.831	1362.681	1506.48	1603.23	1416.533	1413.396	1536.536	1326.996	-0.23627	0.052196	-0.07954	0.592055	-0.16127	0.422428
AT4G33100	AT4G33100	38.04493	39.25341	47.64321	96.09283	107.3197	77.75358	62.25124	58.26006	85.90965	48.93632	59.86503	29.00598	1.109938	0.000081	0.675715	0.031683	0.111933	0.876568
AT4G33110	AT4G33110	689.5643	607.8765	623.6617	557.9983	613.4447	545.2719	453.5448	416.4515	464.5214	413.975	1044.312	918.8841	-0.27762	0.022708	-0.64105	0.02E-08	-0.52276	9.64E-05
AT4G33120	AT4G33120	32.10041	53.27338	52.79383	31.58683	31.79843	40.87047	35.57214	24.81447	30.26363	80.60099	63.85603	67.33392	-0.37445	0.239564	-0.5456	0.100924	0.609879	0.147272
AT4G33130	AT4G33130	23.77808	24.52794	27.04074	31.7506	34.4483	33.89259	38.24024	17.26224	31.29387	41.26003	33.25835	36.25673	0.363199	0.329749	0.189686	0.607036	0.509636	0.365357
AT4G33140	AT4G33140	73.71204	49.95889	70.82099	82.48311	94.73282	64.79465	96.04478	90.62675	123.007	79.64146	75.82904	68.36983	0.293848	0.279013	0.626032	0.014308	0.173716	0.738247
AT4G33145	AT4G33145	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G33150	LKR/SDH	236.5919	214.1095	208.6	294.0523	291.4856	453.5626	594.944	540.5239	296.7788	241.803	280.7005	263.1203	0.620844	0.016813	1.069934	1.64E-05	0.238474	0.624674
AT4G33160	FBX13	24.96698	24.97944	24.46543	17.32145	23.84882	24.92102	20.45398	24.81447	30.26363	17.27164	25.27635	15.5386	-0.18262	0.677764	0.019045	0.97079	-0.34186	0.629488
AT4G33170	PCMP-H53	20.21137	16.05821	16.73951	16.90094	9.937009	13.95577	14.22886	25.89336	15.61994	16.31211	15.96401	17.61041	-0.32567	0.495399	-0.044053	0.940749	-0.08371	0.937457
AT4G33180	AT4G33180	79.65566	85.64381	64.38272	83.30795	113.9444	95.69671	107.6037	95.33895	107.3871	65.24842	73.16837	79.7648	0.337371	0.241226	0.256608	0.432028	-0.06607	0.922046
AT4G33200	XI1	495.7729	472.8252	428.7889	321.6841	333.8835	372.8185	404.6351	438.0293	297.755	457.6985	481.5809	388.4469	-0.43745	0.011795	-0.28808	0.120522	-0.07359	0.852376
AT4G33210	FB15	926.1562	917.1025	822.8111	517.5815	473.6641	609.0697	745.2363	733.6452	413.9283	717.7326	705.077	661.9443	-0.71736	0.000394	-0.48009	0.022723	-0.34469	0.296514
AT4G33220	PME44	1021.268	1188.308	920.6729	704.8182	741.9633	751.6179	540.6965	580.4428	682.396	821.3625	723.7017	780.0376	-0.50154	0.000267	-0.78259	6.89E-09	-0.41942	0.02223
AT4G33230	PME45	0	0	0	1.324935	0	0	0	0	0	0	0	0	0.21675	NA	0	NA	0	NA
AT4G33240	FB1A	665.7862	554.9005	459.6926	280.4426	182.841	319.9859	393.0721	408.8993	222.5841	433.7101	403.0912	458.9066	-1.05708	1.49E-05	-			

AT4G33740	AT4G33740	603.9632	544.195	497.0346	329.52	364.357	342.9132	378.8433	386.2426	465.6693	486.4846	585.3469	494.1274	-0.65866	3.92E-06	-0.41362	0.006994	-0.0739	0.821978
AT4G33760	AT4G33760	450.5946	362.2019	408.1864	370.7616	326.5964	350.888	401.9652	383.0059	372.926	478.8083	417.7249	414.3626	-0.22157	0.136378	-0.08118	0.656261	0.097143	0.735214
AT4G33770	ITPK2	64.20081	66.0171	59.2321	74.2348	56.30972	76.75674	62.57562	46.85981	67.8298	57.7446	43.90102	49.72351	-0.127818	0.672344	-0.18607	0.560028	-0.3441	0.444244
AT4G33780	AT4G33780	148.613	205.1883	200.8741	246.6245	266.9743	259.1786	289.0236	229.8036	246.9902	196.7048	152.9884	198.8941	0.475014	0.009781	0.465533	0.015234	-0.0011	0.99816
AT4G33790	FAR3	208.0582	190.9134	135.2037	18.14629	23.18635	13.95577	2.66791	5.39445	3.909484	146.809	123.7211	143.931	-3.09989	4.04E-36	-4.73929	4.65E-43	-0.34798	0.372189
AT4G33800	AT4G33800	7.133424	8.92123	7.725926	9.073143	9.274542	3.987363	6.225124	6.47336	8.786214	13.4335	7.982004	9.323159	-0.10546	0.98238	-0.10641	0.885206	-0.325382	NA
AT4G33810	AT4G33810	13.07794	21.41095	27.04074	11.54764	8.612075	11.96209	8.893035	7.55223	5.857476	20.15025	14.63367	17.61041	-0.80913	0.064816	-1.21868	0.008473	-0.17862	NA
AT4G33820	AT4G33820	1.188904	1.784246	0	0	0	0	0	0	0	0	0	0	-0.49674	NA	-0.47297	NA	-0.46632	NA
AT4G33830	AT4G33830	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G33840	AT4G33840	0	0	0	0.412416	0.662467	0.996841	0.889303	0	0	0	0	0	0.403388	NA	0.171338	NA	0	NA
AT4G33850	AT4G33850	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT4G33860	AT4G33860	0	0	0	1.237247	0	0	1.778607	1.07889	0	0.995936	0	1.035907	0.219604	NA	0.451276	NA	0.326438	NA
AT4G33865	RPS29A	145.0463	158.7979	136.4914	248.6866	292.1481	175.444	180.5286	107.889	454.9306	185.1904	411.0732	319.0592	0.575916	0.274219	0.619599	0.255894	0.868033	0.238696
AT4G33870	PER48	0	3.568492	1.287654	0	0	0	1.778607	0	0.976246	2.878607	1.330334	4.143626	-0.89517	0.156744	-0.21186	0.793251	0.492139	NA
AT4G33880	BHLH85	0	0	0	0	0.662467	0	0	0	0	1.919071	1.330334	4.143626	0.04894	NA	0	NA	1.105617	NA
AT4G33890	AT4G33890	205.6804	219.4623	193.1482	247.0369	257.6998	225.286	248.1157	264.328	314.3512	211.0978	228.8174	243.438	0.243362	0.158047	0.415565	0.013396	0.144568	0.647737
AT4G33900	AT4G33900	1.188904	0	0	0	0	0	0	1.07889	0	0	0	0	-0.2127	NA	-0.02202	NA	-0.1938	NA
AT4G33905	AT4G33905	5.94452	1.784246	0	1.237247	2.649869	1.993682	2.15778	1.952492	0.995936	0	1.035907	0	-0.19556	0.808165	-0.42568	0.580944	-0.69035	NA
AT4G33910	PAH9	246.1031	256.9314	247.2296	390.1451	455.7775	413.6889	397.5187	428.3193	433.4532	241.803	232.8084	285.9102	0.737677	7.92E-08	0.737924	1.33E-07	0.023476	0.953945
AT4G33920	AT4G33920	178.3356	208.7568	171.258	317.1476	351.7701	412.6921	539.8072	511.3938	528.1491	146.809	155.6491	179.2118	0.936965	1.53E-09	1.483521	8.77E-23	-0.2008	0.525695
AT4G33925	AT4G33925	11.88904	10.70548	19.31482	13.1973	15.89921	12.95893	15.1816	8.63112	22.45366	16.31211	18.62468	17.61041	-0.01512	0.979679	0.112782	0.853242	0.261815	NA
AT4G33930	AT4G33930	0	0	0	3.71714	3.974804	2.990522	5.335821	7.55223	3.904984	0	0	1.035907	1.380469	0.028755	1.795126	0.00399	0.095655	NA
AT4G33940	AT4G33940	142.6685	171.2876	140.3543	326.6331	296.7853	334.9385	252.5622	306.4047	343.6386	173.6759	175.6041	161.6014	1.064272	6.49E-11	0.977931	4.59E-09	0.172772	0.614816
AT4G33945	AT4G33945	296.0371	331.8698	323.2012	261.4715	306.0599	340.9195	330.8209	299.9314	289.9451	379.9761	359.1902	299.377	-0.07092	0.729233	-0.0425	0.85315	0.127137	0.694796
AT4G33950	SRK2E	128.4016	142.7397	169.9704	150.5317	155.6798	162.485	237.444	185.5691	226.4891	184.2308	163.6311	138.8115	0.081036	0.736003	0.548142	0.004563	0.139117	0.722099
AT4G33960	AT4G33960	4.260054	30.33218	37.34198	50.3147	62.93439	29.90522	40.90796	32.3667	91.76712	46.05771	87.80204	61.11849	0.330118	0.467224	0.504067	0.262812	0.710515	0.242253
AT4G33970	PEX4	3.56512	1.784246	2.575309	0	0.662467	1.993682	2.66791	0	1.952492	2.878607	0	3.10772	-0.75251	0.272327	-0.34164	0.668838	-0.16592	NA
AT4G33980	AT4G33980	8.322328	17.84246	14.1642	57.73818	68.8966	77.75358	311.2562	406.7415	531.0778	11.51443	9.312338	17.61041	2.102489	9.72E-11	4.63542	1.22E-51	-0.03543	0.975694
AT4G33985	AT4G33985	7.133424	8.92123	10.30123	42.89122	58.95959	58.81361	87.20522	64.7334	122.4566	6.716749	5.321336	15.5386	2.223537	1.28E-08	2.98458	5.87E-15	0.035648	0.978516
AT4G33990	EMB2758	20.21137	24.97944	29.61605	23.09527	16.56168	14.95261	13.12562	32.3667	22.45366	33.58375	26.60668	23.82585	-0.37522	0.353243	0.187542	0.686424	0.16344	0.842399
AT4G34000	ABF3	411.3608	360.4177	439.0901	287.4537	270.2866	301.4459	208.9863	225.488	218.6791	466.3343	489.5629	417.4073	-0.497	0.000246	-0.88474	7.94E-11	0.172807	0.477337
AT4G34020	DIJ1	297.226	388.9654	347.6667	383.5465	325.2714	340.9195	381.9465	390.5582	334.8524	353.1091	304.6465	314.9156	0.032327	0.804428	0.077972	0.701816	-0.07707	0.872337
AT4G34030	MCCB	546.8958	526.3526	533.0889	477.9897	367.6693	470.5088	454.4341	527.5772	442.2394	538.2995	439.0102	505.5224	-0.28365	0.078326	-0.17258	0.343712	-0.1151	0.72091
AT4G34035	AT4G34035	0	0	0	0	0	0	0	0.972464	0	0	0	0	0	NA	0.166246	0	0	NA
AT4G34040	MBR2	432.761	403.2396	379.858	326.2207	306.0599	363.8469	386.847	411.0571	299.7075	343.5138	328.5925	337.7055	-0.28751	0.077635	-0.1466	0.493699	-0.26345	0.297173
AT4G34050	CCOAO1M1	2166.183	2216.034	2250.82	2697.61	2476.303	2323.636	1910.224	1835.192	1863.654	2641.602	2953.341	1847.021	0.174264	0.34584	-0.23756	0.201398	0.162539	0.594257
AT4G34060	DM13	136.724	137.3869	145.5049	40.82914	46.37271	34.88943	77.3694	52.86561	68.07359	177.5141	168.9524	187.4991	-1.27018	1.77E-14	-1.25954	3.86E-08	0.340571	0.350508
AT4G34065	AT4G34065	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT4G34070	AT4G34070	211.6249	199.8356	221.4765	241.6755	244.4504	266.1565	199.204	203.9102	258.7052	226.504	234.1388	202.0018	0.237822	0.174092	0.059708	0.793414	0.059502	0.879283
AT4G34071	AT4G34071	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G34080	AT4G34080	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G34090	AT4G34090	342.4043	421.0821	410.7617	269.3074	254.3874	296.0617	354.8321	400.2682	451.0256	460.5771	348.5475	553.1741	-0.50632	0.007828	0.040028	0.881209	0.21572	0.524933
AT4G34100	SUD1	1341.084	1252.541	1028.836	661.1022	557.135	813.4221	817.2699	961.2909	691.1822	845.3509	740.996	882.5924	-0.81815	0.039448	-0.54069	0.003948	-0.53976	0.024463
AT4G34103	AT4G34103	10.70014	8.92123	3.82963	6.598469	4.637271	3.987363	7.144248	5.39445	3.987363	1.919071	2.660668	9.323159	-0.42131	0.519285	-0.08879	0.910674	-0.51741	NA
AT4G34110	PAB2	597.3386	529.6239	501.687	4082.914	3718.429	4486.78	3934.279	4799.981	4169.547	4729.551	4706.722	4171.596	-0.40101	0.001957	-0.33107	0.014528	-0.25514	1.199142
AT4G34120	CBX2	897.6225	1188.308	1025.611	1430.257	1561.435	1356.7	1693.234	1667.964	1880.25	1081.397	1094.865	1106.348	0.47914	0.000168	0.745195	1.57E-09	0.07252	0.7818
AT4G34131	UGT7383	20.21137	23.1952	10.30123	40.82914	35.77323	47.84836	54.24751	52.86561	68.07359	6.835821	6.65167	7.251346	1.13075	0.001278	1.345938	0.000138	-0.99231	0.102164
AT4G34135	UGT7382	30.9115	33.90067	30.9037	97.33008	84.13334	118.6241	112.9415	102.4945	100.5533	11.51443	13.30334	19.68222	1.5709	8.24E-10	1.652006	1.71E-10	-0.97591	0.025938
AT4G34138	UGT7381	102.2457	105.2705	110.7383	66.39891	84.13334	103.6714	146.7351	179.0957	181.5588	89.23681	118.3997	107.7343	-0.34069	0.154925	0.651851	0.003334	-0.01996	0.975777
AT4G34140	AT4G34140	241.3475	255.1472	291.0099	299.4137	259.6872	296.617	286.3557	346.3237	268.4676	265.9714	250.1028	280.7307	0.11657	0.538118	0.188537	0.319031	0.017664	0.969668
AT4G34150	AT4G34150	224.7028	283.6951	244.6543	499.0228	485.5885	570.1929	50.4789	617.125	719.4933	205.3406	255.4241	203.0077	1.030854	8.4E-11	0.130725	8.72E-17	-0.17721	0.591092
AT4G34160	CYCD3-1	385.2049	212.3253	261.3938	230.5403	242.463	270.1439	226.7724	252.4602	184.5105	284.0225	258.0848	253.7971	-0.21516	0.373	-0.37064	0.118416	-0.11485	0.804723
AT4G34170	AT4G34170	0	0	0	0	0	0.996841	0.889303	0	0	0	0	0						

AT4G34610	BLH6	344.7821	326.517	301.3111	219.4051	195.4278	215.3176	176.9714	174.7802	134.7219	323.3635	319.2802	349.1005	-0.61601	3.43E-05	-0.98271	7.93E-11	0.028643	0.943154
AT4G34620	SSR16	2924.704	2856.578	2964.18	2948.359	3151.357	2322.923	2643.01	2219.277	5099.909	2571.555	2131.195	3546.944	-0.066	0.055212	0.178491	0.607695	-0.07975	0.903199
AT4G34630	AT4G34630	196.1692	258.7157	233.0654	643.7807	626.0316	445.5878	382.4005	357.1126	610.1537	215.8955	210.1928	225.8276	1.280567	2.99E-09	0.942465	2.66E-05	-0.07036	0.896697
AT4G34640	SQS1	611.0966	717.2669	633.5259	568.7211	579.6589	589.1329	558.4826	567.4961	517.4104	498.9585	443.0012	615.3285	-0.17037	0.288324	-0.24905	0.121613	-0.3226	0.132023
AT4G34650	SQS2	78.46766	74.98333	101.7247	22.68286	23.84882	18.93997	35.57214	22.65669	19.52492	138.1731	141.0154	131.7661	-1.8534	8.21E-14	-1.61544	6.06E-10	0.663572	0.033486
AT4G34660	AT4G34660	316.2484	215.8938	283.284	249.9238	291.4856	254.1944	295.2488	254.618	305.565	257.1555	239.4601	281.7600	-0.05467	0.839682	-0.058263	0.806721	-0.07413	0.853499
AT4G34670	RP53AB	2900.926	2942.222	3135.438	3049.813	3267.289	2893.829	2309.521	2775.984	3087.866	2672.307	2218.997	2767.942	0.036571	0.844209	-0.13408	0.433857	-0.22569	0.325102
AT4G34680	GATA3	130.7794	164.1506	139.0667	177.3387	189.4656	183.4187	196.5361	143.4924	134.7219	127.6182	122.3907	139.8474	0.342941	0.090821	0.13991	0.575157	-0.13905	0.735625
AT4G34690	AT4G34690	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT4G34695	AT4G34695	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G34700	CIB22	626.5524	604.8594	663.142	867.7224	975.8143	750.6211	608.2836	599.8628	928.4099	665.9177	638.5603	646.4057	0.444083	0.017355	0.168878	0.451051	0.040775	0.930902
AT4G34710	SPE2	922.5895	717.2669	669.5803	510.1581	484.926	739.6559	414.4154	541.6027	384.6409	618.9005	606.6323	594.6103	-0.40695	0.053685	-0.76541	0.000148	-0.33537	0.305371
AT4G34720	VHA-C3	1251.916	1290.01	1198.806	984.436	1079.159	943.0114	892.8607	870.6642	1386.269	1199.42	1058.946	1040.05	-0.30781	0.106765	-0.24234	0.240305	-0.17694	0.597332
AT4G34730	AT4G34730	505.2842	569.1745	524.0753	385.1961	374.294	303.0396	355.7214	324.7459	507.6479	568.0451	560.0706	637.0825	-0.56998	0.001753	-0.41629	0.032924	0.14233	0.694775
AT4G34740	A5E2	455.3502	371.1232	330.9272	220.2299	233.1885	240.2386	267.6803	271.8803	253.824	258.1151	297.9948	367.7468	-0.72897	1.77E-05	-0.53621	0.002836	-0.32121	0.243984
AT4G34750	AT4G34750	115.3237	121.3287	124.9025	150.1193	186.1533	136.5672	128.0597	103.5734	173.7718	131.4564	143.6761	155.386	0.378851	0.105054	0.162169	0.564975	0.243096	0.556655
AT4G34760	AT4G34760	233.0522	299.7533	221.4765	178.1635	185.4908	132.5798	96.04478	97.10009	143.5082	256.196	243.4511	284.8743	-0.57043	0.00674	-1.11974	6.59E-08	0.064042	0.89707
AT4G34770	AT4G34770	48.74506	35.68492	39.91728	20.20836	11.92441	14.92561	14.22886	9.710009	8.786214	33.58375	27.93701	41.43626	-1.26564	0.000191	-1.72064	2.63E-06	-0.2526	0.711499
AT4G34780	AT4G34780	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT4G34790	AT4G34790	35.66712	33.90067	32.19136	22.68286	21.19895	8.971567	10.67164	14.02557	24.40615	32.62421	30.59768	37.29264	-0.79964	0.035915	-0.94232	0.019446	-0.00977	0.992795
AT4G34800	AT4G34800	4.755616	1.784246	2.575309	7.011065	7.28714	4.984204	5.335821	6.47334	3.904984	1.919071	7.982004	6.071813	0.707428	0.271963	0.45048	0.540127	0.132637	NA
AT4G34810	AT4G34810	1.188904	0	0	0.412416	0	6.624673	5.981045	3.557214	2.15778	10.73871	2.878607	2.660668	1.386737	0.026932	1.370649	0.035367	1.04474	NA
AT4G34830	MRL1	1264.994	1250.756	1161.464	619.4482	541.8982	699.7822	1156.984	1309.772	742.9232	1276.182	1289.094	1197.508	-0.95957	1.92E-07	-0.19155	0.408063	0.032472	0.94936
AT4G34840	MTN2	49.93397	55.31163	79.83457	90.73143	106.6572	113.663	76.4801	67.97007	74.1947	69.08657	75.82904	71.47755	0.702987	0.002411	0.226856	0.441861	0.270206	0.663474
AT4G34850	PKNS	8.322328	3.568492	6.438272	0.412416	1.987402	1.993682	1.778607	1.07889	0	10.55489	5.321336	12.43088	-1.37458	0.02594	-1.43792	0.05206	0.504427	NA
AT4G34860	INVB	43.98945	62.44861	50.21852	68.04857	76.8462	86.72515	52.46891	58.26006	46.85981	60.45074	22.61568	46.61579	0.540908	0.077089	0.020498	0.962781	-0.21322	0.735214
AT4G34870	CYP18-4	1506.341	1372.085	1579.952	1806.793	2064.91	1442.429	1328.619	1200.805	2391.1803	1460.413	1277.121	200.6519	0.242597	0.404162	0.136119	0.679644	0.085491	0.884912
AT4G34880	AT4G34880	1.188904	1.784246	2.575309	4.948987	3.974804	3.987363	1.14428	4.31556	3.904984	0	2.660668	0	0.730511	0.28318	0.877743	0.208699	-0.46213	NA
AT4G34881	AT4G34881	369.7491	362.2019	364.4062	355.9146	461.0772	364.8437	485.5597	468.2382	663.8473	324.323	297.9948	351.1723	0.105431	0.627907	0.549669	0.002355	-0.16646	0.627824
AT4G34890	XDH1	624.1746	640.5443	527.9383	454.482	379.5937	499.4172	578.9366	679.7007	343.6386	560.3688	498.8752	494.1274	-0.4134	0.076419	-0.15642	0.575876	-0.19857	0.639778
AT4G34900	XDH2	319.8152	292.6163	339.9407	106.4032	97.38269	117.6272	130.7276	172.6224	80.05217	373.2594	337.9048	309.7361	-1.51992	5.94E-13	-1.27287	3.91E-09	0.096551	0.849248
AT4G34910	RH16	121.2682	119.5445	145.9467	127.4364	123.2189	132.5798	121.8346	158.5968	119.102	128.5778	125.0514	150.2066	-0.00315	0.990691	0.053441	0.844524	0.075618	0.868176
AT4G34920	AT4G34920	752.5762	892.123	813.7975	693.683	661.1423	704.7664	930.2114	879.2953	1033.845	926.9114	887.3328	890.8796	-0.25021	0.039736	0.211921	0.100817	0.140701	0.505558
AT4G34930	AT4G34930	40.42273	48.17464	57.94445	42.4788	49.02258	59.81045	64.91915	60.04896	75.17094	47.97678	53.21336	58.81077	0.018072	0.960598	0.492252	0.084726	0.11342	0.855952
AT4G34940	ARO1	2.377808	0	1.287654	0	0.662467	0	1.778607	1.07889	1.952492	3.838143	7.982004	2.071813	-0.7314	0.283897	0.108983	0.899772	0.957922	NA
AT4G34950	AT4G34950	1576.487	1650.428	1202.669	1537.898	1550.173	1708.585	2631.449	2960.474	2788.159	1007.512	1113.49	1201.652	0.113757	0.503704	0.908774	1.82E-11	-0.90803	0.034516
AT4G34960	CYP21-1	198.547	180.2088	262.6815	258.997	276.2489	219.305	193.8682	197.4369	178.653	211.0978	239.4601	243.438	0.228059	0.245428	-0.17416	0.431575	0.102312	0.79265
AT4G34970	ADF9	30.9115	16.05821	21.89012	30.93117	23.84882	34.88943	32.90423	28.05114	30.26363	23.02886	26.60668	35.22082	0.305342	0.442629	0.339634	0.422297	0.239942	0.743519
AT4G34975	AT4G34975	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G34980	SBT1.6	1056.936	858.2223	804.784	349.7284	304.0725	346.9006	324.5998	386.2426	319.2324	659.201	610.6233	603.9335	-1.42323	5.3E-25	-1.38335	5.09E-22	-0.53114	0.003314
AT4G34990	MYB32	34.47821	21.41095	30.9037	25.15735	38.4231	18.93997	38.84004	49.9786	38.84004	49.9786	38.84004	40.0035	-0.07995	0.857318	0.512164	0.175862	0.270158	0.75068
AT4G35000	APX3	1257.86	1379.222	1341.736	1359.322	1487.901	1375.64	1256.586	1425.214	1943.706	1345.269	1274.46	1263.806	0.084978	0.668591	0.214042	0.244764	-0.03364	0.934757
AT4G35010	BGAL11	3.566712	1.136984	3.862963	0.824831	0.662467	0.996841	0	0.976246	0.995936	2.660668	1.035907	0	-1.31801	0.041171	-1.54773	0.016015	-0.93999	NA
AT4G35020	ARAC3	277.0104	206.9625	272.9827	458.6061	480.2888	398.7363	300.5846	293.4581	421.7383	246.6007	258.0848	290.0538	0.79727	1.19E-05	0.406351	0.046620	0.060606	0.8948
AT4G35025	AT4G35025	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G35030	AT4G35030	26.15589	26.76369	34.76667	25.98218	29.14856	31.8989	28.45771	18.34113	21.47741	47.01725	31.92802	34.18492	-0.03089	0.946482	-0.32635	0.431403	0.349829	0.564516
AT4G35040	bZIP1	243.7253	230.1677	211.1753	230.9527	245.7754	191.3934	214.3221	215.778	272.3726	223.5718	220.8354	175.0682	-0.02923	0.904999	0.035219	0.891209	-0.14381	0.694277
AT4G35050	MSI9	159.3131	149.8767	121.0395	141.4585	128.5187	128.5923	131.6169	149.9657	164.0093	150.6471	139.6851	127.4165	-0.10127	0.656992	0.04903	0.852509	-0.03925	0.935568
AT4G35060	HIPP25	38.04493	41.03766	46.35556	41.24156	40.4105	27.91154	20.45398	23.73558	45.88356	67.16749	47.89202	47.65117	-0.16097	0.69319	-0.44043	0.261152	0.357329	0.552524
AT4G35070	AT4G35070	63.01191	48.17464	65.67037	105.5784	112.6194	86.72515	76.4801	103.5734	117.495	53.734	69.17737	44.54398	0.745914	0.003779	0.697601	0.009074	-0.10306	0.869881
AT4G35080	AT4G35080	274.6368	251.5787	220.1889	222.7044	233.8													

AT4G35590	RK05	5.94452	3.568492	2.573099	13.1973	11.26194	8.971567	10.67164	15.10446	11.71495	1.919071	6.65167	1.035907	1.106182	0.044558	1.201558	0.035318	-0.30024	NA
AT4G35600	CONNEXIN 31	127.2127	164.1506	112.0259	294.8771	261.6746	312.0112	285.4664	319.3514	185.4867	109.3871	119.7301	118.0933	1.080642	3.84E-07	0.94789	1.51E-05	-0.19958	0.657798
AT4G35610	AT4G35610	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G35620	CYCB2-2	60.6341	73.15409	81.12222	124.1371	131.831	132.5798	133.3955	90.62675	78.09968	107.468	114.4087	98.41112	0.823442	0.000377	0.479347	0.067348	0.552265	0.117114
AT4G35630	PSAT1	403.0384	421.0821	408.1864	606.2509	671.0793	675.858	1079.614	996.8943	1126.588	490.3227	510.8482	416.4344	0.655436	1.28E-07	1.365272	1.19E-30	0.198583	0.372189
AT4G35640	SAT4	11.88904	14.27397	9.01358	5.61402	9.274542	7.974726	4.46517	6.47334	3.904984	16.31211	21.28534	16.5745	-0.54669	0.297342	-0.964548	0.057292	0.560488	NA
AT4G35650	IDH3	0	0	0	0.248381	0	0	2.66791	3.23667	0	0	0	1.035907	0.109967	NA	0.802673	NA	0.154398	NA
AT4G35655	AT4G35655	0	0	0	0.262078	1.324935	0	1.778607	0	0.976246	0	0	0	0.594676	NA	0.44244	NA	0	NA
AT4G35660	AT4G35660	1.188904	0	0	0	0.662467	0	1.778607	0	0	1.919071	0	1.035907	-0.14942	NA	0.084322	NA	0.261132	NA
AT4G35670	AT4G35670	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G35680	AT4G35680	74.90095	80.29107	109.4506	86.60727	96.05775	99.68408	83.59453	70.12785	106.4108	99.79171	87.80204	96.33931	0.079312	0.787124	-0.02507	0.940894	0.09804	0.855952
AT4G35690	AT4G35690	0	0	0	0	0.662467	0	0	3.23667	1.952492	0.995936	6.65167	0	0.00128	0.9991	0.655317	0.288259	0.853567	NA
AT4G35700	AT4G35700	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT4G35710	AT4G35710	0	0	0	0	0	0.889303	0	0	0	0	0	0	0.160764	NA	0	NA	0	NA
AT4G35720	AT4G35720	2.377808	1.784246	3.862963	1.649662	0	2.990522	1.778607	4.31556	0.976246	3.838143	0	3.10772	-0.43095	0.563839	-0.10778	0.902894	-0.0744	NA
AT4G35725	AT4G35725	0	0	0	1.287654	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT4G35730	AT4G35730	122.4571	117.7602	137.779	120.4253	83.47088	158.4977	104.9378	105.7312	85.90965	151.6066	151.6581	126.3806	-0.07315	0.812676	-0.33918	0.22153	0.174309	0.718643
AT4G35731	AT4G35731	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT4G35732	AT4G35732	1.188904	0	0	0	0	0	0	0	0.959536	0	0	0	-0.21179	NA	-0.19779	NA	-0.02864	NA
AT4G35740	RECQL3	84.41218	90.99655	79.83457	87.01969	82.80841	78.75042	82.70522	84.15342	72.2422	76.76285	69.17737	94.26749	-0.024	0.935373	-0.08599	0.773012	-0.07213	0.89016
AT4G35750	AT4G35750	756.1429	999.1778	739.1136	1214.6564	1087.771	1178.2616	1273.483	1386.374	1576.637	711.0159	599.9806	640.1902	0.477756	0.001738	0.756683	2.79E-07	-0.34292	0.133779
AT4G35760	LOT1	721.6647	842.1641	829.2494	561.6166	675.1767	671.8707	899.9751	837.2186	931.7616	902.923	983.1168	916.7773	-0.25546	0.026175	-0.104927	0.441277	0.227799	0.178959
AT4G35770	STR15	334.082	595.9382	361.8309	98.56732	109.9696	188.4029	257.898	334.4559	299.7075	296.4965	371.1632	392.6086	-1.62825	1.17E-10	-0.50463	0.081157	-0.26713	0.589239
AT4G35780	AT4G35780	241.3475	210.541	244.6543	226.4162	205.3649	242.2323	275.6841	245.9869	248.9427	217.8146	199.5501	220.6481	-0.05712	0.768128	0.138852	0.454956	-0.1281	0.676076
AT4G35783	RTFL6	3.566712	1.784246	2.575309	2.062078	1.987402	1.993682	0.889303	1.07889	6.833722	0.995936	2.660668	5.179533	-0.23276	0.771643	0.066364	0.941322	0.060143	NA
AT4G35785	AT4G35785	329.3264	367.5547	355.3926	506.8587	551.1728	507.392	402.8545	405.6626	435.4057	391.4905	400.4305	366.7109	0.571433	1.51E-06	0.242413	0.097901	0.139769	0.552524
AT4G35790	PLDELTA	195.4455	96.7292	866.5914	741.5232	753.8878	857.2831	1012.917	1089.679	854.2152	762.8308	858.0654	782.1094	-0.23161	0.102397	0.096667	0.564293	-0.20006	0.372189
AT4G35800	NRB1	1532.497	1181.171	973.4667	614.9116	541.8982	706.7601	762.1331	889.0053	512.5291	918.2756	1136.105	785.2171	-0.95094	2.24E-05	-0.74249	0.001463	-0.3649	0.330773
AT4G35810	AT4G35810	8.323228	16.05821	24.46543	20.20836	19.21155	25.91786	8.003731	7.55223	6.833722	14.39303	5.321336	12.43088	0.380706	0.447996	-0.91053	0.074886	-0.46452	NA
AT4G35820	P4H11	0	0	0	0	0	0	2.66791	0	0	0	0	0	0	NA	0.335767	NA	0	NA
AT4G35830	ACO1	4551.124	4398.166	3940.222	2275.709	2051.661	2853.955	3599.011	4087.914	2558.741	4015.657	3907.191	3866.003	-0.82614	2.48E-06	-0.32404	0.105904	-0.12591	0.735625
AT4G35837	AT4G35837	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G35840	NIP1	70.14533	71.36984	59.2321	79.18379	89.43308	81.74094	72.92289	63.65451	76.14719	54.69353	51.88302	77.69299	0.310823	0.224205	0.086952	0.79374	-0.10777	0.850064
AT4G35850	AT4G35850	218.7583	239.089	256.2432	306.4248	265.6494	349.8911	316.592	286.9847	258.7052	273.4677	220.8354	277.6229	0.358177	0.043569	0.269514	0.169699	-0.115658	0.750218
AT4G35860	RAB18	238.9697	269.4212	227.9148	257.3473	286.1859	244.226	262.3445	262.1703	311.4225	304.1728	296.6645	292.1256	0.104462	0.56138	0.186594	0.293086	0.280683	0.238883
AT4G35870	GF510	139.1018	107.0548	104.3	74.2348	80.15854	113.6398	88.93035	120.8357	84.9334	112.2657	103.766	105.6625	-0.40109	0.106516	-0.25145	0.374096	-0.12359	0.810892
AT4G35880	AT4G35880	170.0133	89.2123	149.3679	81.65828	98.70762	81.74094	92.48756	87.39009	67.36097	125.6992	155.6491	122.237	-0.63248	0.009579	-0.71142	0.004886	-0.03854	0.952456
AT4G35890	LARP1C	436.3277	265.8527	302.5988	236.3141	255.7124	259.1786	277.4627	274.038	298.7313	239.8839	240.7904	239.2944	-0.42213	0.022741	-0.24446	0.242796	-0.47921	0.058147
AT4G35900	FD	24.96698	42.8219	21.89012	24.33252	31.8989	23.12189	28.05114	40.02609	38.38143	39.91002	24.86176	0	0.012283	0.979872	0.052857	0.917026	-0.09287	0.778754
AT4G35905	AT4G35905	89.1678	73.15409	87.5605	112.5895	151.0425	98.68724	96.93408	99.25787	174.748	118.9824	187.5771	106.6984	0.499778	0.107918	0.528628	0.102866	0.668374	0.119789
AT4G35910	CTU2	128.4016	121.3287	140.3543	112.177	116.5942	126.6114	136.6304	124.0723	110.3158	115.1443	147.6671	148.1346	-0.15746	0.475363	-0.07553	0.773092	0.063324	0.889374
AT4G35920	MCA1	473.1838	449.63	495.7469	318.7972	329.2462	363.8469	372.6182	308.5625	303.6125	520.0683	427.0372	495.1633	-0.48739	0.000612	-0.51894	0.000382	0.025096	0.948148
AT4G35930	AT4G35930	79.65656	60.66437	65.67037	54.02644	58.95959	34.89943	54.24751	38.84004	46.85981	58.53167	55.87403	51.79533	-0.44002	0.115833	-0.5334	0.707534	-0.3039	0.537149
AT4G35940	AT4G35940	93.92341	82.07532	88.84815	148.4696	113.9444	174.4471	155.6281	157.5179	191.3442	83.4796	99.77505	101.5188	0.684588	0.001644	0.893885	3.52E-05	0.089504	0.866649
AT4G35950	ARAC6	230.6474	204.8732	278.1333	249.5114	243.1255	212.3271	175.1928	161.8335	197.2017	270.589	224.8264	275.5111	-0.08131	0.688463	-0.47939	0.005615	0.043634	0.915494
AT4G35960	APX5	13.07794	3.568492	12.87654	7.42348	5.299738	11.96209	5.335821	3.23667	6.833722	20.15025	9.312338	10.35907	-0.28274	0.652701	-0.73466	0.22811	0.330079	0.312949
AT4G35980	AT4G35980	95.11232	92.78079	153.2309	176.9263	214.6394	163.4819	145.8458	132.7035	202.829	158.3234	271.3881	146.0628	0.660017	0.020104	0.461534	0.142179	0.701518	0.074099
AT4G35985	AT4G35985	34.47821	39.25341	40.42959	54.02644	76.18374	68.8201	55.13682	57.18117	65.40848	24.94793	15.96401	36.25673	0.728437	0.013286	0.580296	0.071242	-0.51895	0.318788
AT4G35987	AT4G35987	63.01191	85.64381	70.82925	61.44992	64.25933	77.75358	87.15174	75.5223	48.8123	65.24842	58.53469	68.36983	-0.10435	0.749652	-0.0352	0.925601	-0.16532	0.766854
AT4G36000	AT4G36000	0	0	1.287654	1.237247	1.324935	1.993682	4.46517	2.15778	2.928738	0	0	1.035907	0.458656	0.520113	0.1061945	0.108917	-0.09788	NA
AT4G36010	AT4G36010	33.28931	10.70548	30.9037	49.90228	62.93439	44.85784	80.03731	64.7334	108.3633	23.98839	22.61568	34.18492	0.935199	0.006008	1.575152	1.25E-06	0.048983	0.960136
AT4G36020	CSP1	192.6024	162.3664	122.3272	168.678	172.904	138.5609	122.7239	131.6246	200.1304	138.1731	162.3007	129.8483	0.012772	0.968814	-0.06928	0.834365	-0.14967	0.766613
AT4G36030	AR03	3.566712	3.568492	3.862963	9.485558	6.977885	3.557214	4.31556	10.73871	0.995936	5.321336	3.10772	0	1.159088	0.049466	0.482614			

AT4G36540	BEE2	934.4785	961.7086	1004.37	681.3105	730.7014	616.0476	626.0697	621.4406	566.2227	984.4836	1118.811	897.0951	-0.50836	4.77E-05	-0.66979	7.78E-08	0.046661	0.877489	
AT4G36550	PUB5	229.4585	144.5239	137.779	127.4364	123.8814	210.3334	199.204	201.7524	133.7457	120.9015	168.9524	159.5296	-0.15764	0.639429	0.054247	0.889873	-0.18682	0.744139	
AT4G36560	AT4G36560	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0.172362	NA	
AT4G36570	ATRL3	13.07794	12.48972	11.58889	15.25938	15.89921	11.96209	8.893035	6.47334	0	12.6912	11.51443	7.982004	16.5745	0.20836	0.705023	-0.33276	0.568049	-0.01778	NA
AT4G36580	AT4G36580	47.55616	28.54794	47.64321	35.46774	44.38531	37.87995	45.35448	50.70783	41.00233	35.50282	29.26735	29.00538	-0.09556	0.787705	0.110876	0.780549	-0.39483	0.459359	
AT4G36590	AT4G36590	0	1.784246	2.575309	0	3.312336	0	5.353821	1.07889	2.928738	2.878607	1.330334	0	-0.14761	0.859349	-0.474167	0.512469	-0.00488	NA	
AT4G36600	AT4G36600	0	0	0	0	0	0	1.778607	0	0	1.919701	1.330334	0	0	NA	0.293017	0	0.483386	NA	
AT4G36610	AT4G36610	5.94452	3.568492	2.575309	4.124156	3.312336	1.993682	5.57214	1.07889	2.928738	2.878607	2.660668	2.071813	-0.18434	0.81498	-0.40098	0.606963	-0.40692	NA	
AT4G36620	GATA19	2.377808	8.92123	3.862963	4.124156	4.637271	3.987363	4.446517	2.15778	1.952492	6.716749	9.312338	13.46678	-0.12148	0.87275	-0.45972	0.527078	0.799157	0.752892	
AT4G36630	EMB2754	414.9275	340.791	324.4889	193.4229	208.0147	280.1123	267.6803	299.9314	248.9427	335.8375	316.6195	342.8851	-0.66598	0.00014	-0.39891	0.037264	-0.11713	0.752892	
AT4G36635	AT4G36635	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT4G36640	AT4G36640	99.86793	96.34929	95.28642	227.6534	227.2263	208.3397	229.4403	200.6735	228.4416	122.8206	87.80204	113.9497	1.162002	1.15E-11	1.149015	4.71E-11	0.159854	0.679892	
AT4G36648	AT4G36648	471.9949	456.767	489.3086	1245.907	1434.242	1253.029	1514.484	1104.783	1245.69	498.9585	502.8662	493.0915	1.450264	2.11E-27	1.426062	2.46E-26	0.073059	0.828997	
AT4G36650	ATPBRP	143.8574	123.113	122.3272	150.5317	147.7302	153.5135	149.403	158.5968	170.843	113.2252	113.0784	112.9138	0.203298	0.284904	0.285387	0.141399	-0.20073	0.545466	
AT4G36660	AT4G36660	209.2471	269.4212	216.3259	197.5471	229.8761	199.3682	155.6281	157.5179	192.3205	279.2249	297.9948	242.4021	-0.13679	0.502224	-0.44408	0.018337	-0.240578	0.418001	
AT4G36670	PLT6	185.469	219.4623	124.9025	681.7229	606.1576	694.798	604.7264	677.5429	661.8948	68.35821	90.46271	107.7343	1.874183	3.37E-28	1.845735	3.83E-27	-0.8539	0.000325	
AT4G36680	AT4G36680	187.8468	107.0548	137.779	102.1622	155.0173	121.6146	102.9453	114.3623	113.7932	120.9015	11.79304	125.3447	-0.10498	0.707629	-0.24327	0.368516	-0.35128	0.352	
AT4G36690	UZAF65A	1103.303	1149.054	1093.219	1062.995	845.9707	933.0643	969.3408	980.711	930.3624	1033.42	904.6271	1073.199	-0.26163	0.030321	-0.21326	0.100147	-0.14786	0.478278	
AT4G36700	AT4G36700	1.188904	0	0	3.71174	3.312336	6.977885	0	1.07889	0.976246	1.919071	0	0.2071813	1.394286	0.026575	0.039554	0.96356	0.395908	NA	
AT4G36710	SCLL5	5.53068	48.17464	34.76667	93.61834	93.40789	100.6809	70.25498	129.4668	107.3871	44.13864	37.24935	34.18492	1.019147	0.006177	1.104347	0.61E-05	-0.22043	0.716392	
AT4G36720	HVA22K	171.33424	67.80135	92.71111	132.7978	121.894	151.5198	144.0672	121.9146	164.0093	96.9131	89.13238	64.2262	0.767211	0.000662	0.853742	0.000191	0.095768	0.864429	
AT4G36730	GBF1	466.0503	562.0375	485.7365	437.5729	412.0546	424.6542	363.7251	411.0571	448.0969	554.6116	557.4099	522.0969	-0.24029	0.0872	-0.30097	0.036479	-0.113153	0.663414	
AT4G36740	ATHB-40	4.755616	3.568492	2.575309	0.412416	1.324935	0	0.889303	2.15778	3.904984	0.959536	3.991002	6.215439	-1.16531	0.075825	-0.36147	0.653935	0.02731	NA	
AT4G36750	AT4G36750	252.0476	269.4212	261.3932	261.8839	276.9113	258.1818	216.99	199.5946	240.1565	249.4793	276.7095	207.1813	0.02855	0.892033	-0.24585	0.171735	-0.09512	0.778952	
AT4G36760	ATAP11	491.0173	412.1608	408.1864	498.198	571.7093	537.2972	552.2575	715.304	497.8855	366.5426	355.1992	409.1831	0.284598	1.08292	0.417337	0.01705	-0.211	0.482624	
AT4G36770	UGT72C1	13.07794	10.70548	9.01358	3.71174	2.649869	4.984204	6.225124	3.23667	1.952492	6.716749	11.97301	6.215439	-1.20027	0.028148	-1.12196	0.055953	-0.34007	NA	
AT4G36780	BEH2	259.1811	246.226	272.9827	301.4758	288.8357	267.1533	231.2189	305.3259	367.0685	214.9636	235.4691	236.1867	0.137859	0.518019	0.206276	0.335213	-0.18405	0.60198	
AT4G36790	AT4G36790	134.3461	153.4452	153.2309	215.2809	247.7628	206.346	190.3109	250.3025	255.7765	129.5373	115.7391	140.8833	0.594417	0.001181	0.645492	0.000554	-0.17859	0.630253	
AT4G36791	AT4G36791	17.133424	1.784246	1.287654	4.948987	3.974804	3.987363	8.003731	7.55223	0.976246	11.51443	5.321336	3.10772	-0.14892	0.850664	0.378488	0.625666	0.574625	NA	
AT4G36800	RCE1	1500.397	154.1589	1664.937	1299.934	1713.804	1500.245	1657.662	1426.292	1896.846	1595.708	1458.046	1537.285	-0.06048	0.74919	0.080666	0.675248	-0.05313	0.92514	
AT4G36808	AT4G36808	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA	
AT4G36810	GGPP51	788.2433	667.308	630.9506	654.9159	798.9355	644.956	766.5796	693.7262	1195.901	649.6056	709.068	716.8473	0.007538	0.979054	0.33814	0.135969	-0.00864	0.988816	
AT4G36820	AT4G36820	2.377808	5.352738	5.150617	6.186234	7.28714	3.987363	8.003731	3.23667	5.87476	6.716749	5.321336	5.179533	0.350745	0.605017	0.314675	0.671617	0.311102	NA	
AT4G36830	HOS3	8.322328	3.568492	9.01358	8.248311	6.624673	5.981045	2.66791	2.15778	3.904984	12.47396	3.991002	9.321359	-0.0043	0.995841	-0.87851	0.168131	-0.327208	NA	
AT4G36840	AT4G36840	73.71204	101.702	96.57408	95.68041	86.78321	72.76938	81.81592	80.91675	84.9334	82.52006	95.78405	85.98024	-0.05877	0.83476	-0.11802	0.682442	-0.03291	0.956776	
AT4G36850	AT4G36850	76.08985	71.36984	74.68395	74.64722	62.27192	87.72199	31.12562	26.97225	24.46615	109.3871	81.15037	88.05205	0.004428	0.9897	-1.34766	2.6E-07	0.321695	0.441256	
AT4G36860	DAR1	294.8482	272.9896	267.8321	320.0343	266.3118	315.9989	297.0274	376.5326	259.6814	317.6063	308.6375	338.7414	0.15239	0.467778	0.15239	0.467778	0.20299	0.509829	
AT4G36870	BLH2	395.905	376.4759	339.9407	213.6313	200.7276	224.892	252.5622	236.2769	204.0354	338.7161	395.1092	301.4488	-0.78973	1.73E-07	-0.67055	1.95E-05	-0.10573	0.745579	
AT4G36880	CP1	1.188904	1.784246	1.287654	4.536571	1.324935	2.990522	10.67164	7.55223	3.904984	5.75214	1.330334	5.179533	0.456288	0.528445	1.346289	0.036963	0.761328	NA	
AT4G36890	IRX14	267.5034	278.3424	275.558	200.0216	225.2389	195.3808	255.2031	243.8291	225.5128	258.1151	263.4061	264.1562	-0.39629	0.005339	-0.17633	0.291396	-0.06219	0.850918	
AT4G36900	RAP2-10	59.4452	58.88012	52.79383	66.8113	51.00998	52.83256	55.13682	47.47116	74.1947	42.21957	49.22236	60.08258	0.012923	0.971985	0.049186	0.899235	-0.16596	0.779344	
AT4G36910	CBSX1	99.86793	87.42806	92.71111	114.6515	145.0803	150.523	122.7239	128.3879	146.4369	128.5778	113.0784	129.4883	0.515639	0.011385	0.483857	0.02537	0.39202	0.223091	
AT4G36920	AP2	177.1467	128.4657	150.6556	181.0504	168.9292	219.305	173.4142	155.3602	129.8407	150.6471	122.3907	152.2783	0.293839	0.170467	-0.00206	0.994303	-0.10336	0.819853	
AT4G36925	AT4G36925	10.70014	10.70548	12.87654	2.886909	4.984204	2.42886	3.23667	6.928738	11.51443	6.5167	3.10772	0.10772	-0.70184	0.258198	-0.52141	0.447941	-0.48894	NA	
AT4G36930	SPT	32.10041	39.25341	24.46543	53.20161	61.60946	52.83256	64.91915	51.78672	54.71278	34.54328	35.91902	32.1131	0.784095	0.005645	0.800516	0.008877	0.105599	0.88169	
AT4G36940	NAPR11	243.7253	239.089	227.9148	197.9595	212.652	255.1912	272.1298	233.0402	221.6078	305.1323	227.4871	312.8438	-0.10151	0.654542	0.033107	0.989075	0.250868	0.416253	
AT4G36945	AT4G36945	66.57862	53.52738	73.3963	69.28582	84.79581	101.6778	85.37313	92.78453	77.12343	67.16749	67.84703	61.11849	0.351623	0.171264	0.368757	0.17797	0.002531	0.996974	
AT4G36950	MAPPK21	1.188904	1.784246	2.575309	18.14629	20.53649	36.88311	17.78607	28.31113	4.797678	1.330334	5.179533	0.119533	2.571028	2.96E-07	2.464462	1.44E-06	0.450694	NA	
AT4G36960	AT4G36960	256.8033	321.1643	279.421	313.4358	290.8231	282.1059	256.1194	291.3003	287.0163	262.9128	223.4961	238.2585	0.05983	0.753067	-0.03198	0.882251	-0.22679	0.378088	
AT4G36970	AT4G36970	161.6909	139.1712	180.2716	226.4162	262.337	267.1533	297.9167	302.0892	347.5436	158.3234	142.3457	179.2118	0.623839	0.000213	0.950273	7.18E-09			

AT4G37445	AT4G37445	8.322328	3.568492	7.725926	5.361402	5.962205	2.990522	4.446517	2.15778	7.809968	2.878607	5.321336	6.215439	-0.3248	0.634793	-0.33602	0.648399	-0.35375	NA
AT4G37450	AGP18	147.4241	96.34929	104.3	79.18379	110.632	71.77254	63.14055	72.28563	14.2208	141.0517	162.3007	94.26749	-0.39318	0.215628	-0.45952	0.164089	0.170425	0.781547
AT4G37460	SRRF1	865.5221	865.3593	806.0716	758.0198	713.4773	851.302	823.495	826.4297	499.8379	858.7844	854.0704	856.6947	-0.12355	0.526765	-0.23345	0.272565	0.018329	0.971556
AT4G37470	KAI2	1011.757	1206.15	1121.547	960.1035	1083.134	961.9514	1062.718	1043.287	1197.854	1127.454	1181.337	1013.117	-0.14825	0.294439	-0.01294	0.943691	-0.00611	0.987439
AT4G37480	AT4G37480	136.724	137.3869	146.7926	125.7868	108.6446	126.5988	136.9527	153.2024	123.9537	193.8262	155.6491	156.4219	-0.21852	0.286457	-0.01928	0.943212	0.263775	0.401627
AT4G37483	AT4G37483	10.70014	28.54794	14.1642	21.44561	24.51129	22.92734	13.39955	12.94668	23.4299	12.47396	2.660668	25.89766	-0.34785	0.531974	-0.04879	0.943691	-0.24438	0.819853
AT4G37490	CYCB1-1	5.68858	48.17464	59.2321	97.74249	92.08295	113.6398	81.81592	76.60119	66.38473	83.4796	75.82904	61.11849	0.852957	0.000197	0.441466	0.098491	0.413521	0.29501
AT4G37500	AT4G37500	1.189904	0	0	0.412416	0	1.324935	0.996841	0	1.07889	0	0	0	0.272876	NA	-0.05449	NA	-0.25776	NA
AT4G37510	AT4G37510	1109.247	1213.287	1058.452	696.5699	740.6384	847.3147	892.8607	980.711	777.0918	995.0384	1112.159	1066.984	-0.56074	2.01E-05	-0.34584	0.014785	-0.08923	0.751589
AT4G37520	PER50	229.4585	239.089	221.4765	276.2638	651.2053	800.4631	468.6629	479.0271	386.5934	162.1615	162.3007	170.9246	1.635209	1.01E-31	0.938112	1.65E-10	-0.46596	0.03499
AT4G37530	PER51	117.7015	99.91778	132.6284	329.1076	306.7223	347.8974	186.7537	199.5946	174.748	121.861	127.7121	72.51346	1.440589	6.41E-14	0.648936	0.002474	-0.133	0.774629
AT4G37540	LBD39	143.8574	173.0719	176.4086	315.4979	340.5082	302.0428	258.7873	244.908	358.2823	196.7048	341.8958	200.9659	0.924936	5.21E-05	0.776903	0.001093	0.555986	0.102785
AT4G37550	AT4G37550	369.7491	387.1814	378.5704	285.3916	196.0903	252.2007	161.8532	204.9891	117.1495	379.0166	355.1992	426.7935	-0.60929	0.002894	-1.19568	2.09E-09	0.03336	0.951328
AT4G37553	AT4G37553	3.566712	3.568492	5.150617	1.649662	1.987402	4.984204	3.557214	2.15778	0	6.716749	1.330334	8.28752	-0.37621	0.612235	-0.59484	0.425467	0.306442	0.000000
AT4G37560	AT4G37560	360.2379	392.5341	365.6938	488.7125	484.926	379.7963	466.8843	466.0805	429.5482	317.6063	369.8328	309.7361	0.280214	0.073202	0.283189	0.084016	-0.16428	0.560065
AT4G37570	AT4G37570	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G37580	HL51	26.15589	28.54794	24.46543	33.40566	21.86142	29.90522	21.34328	28.05114	18.54867	16.31211	13.30334	21.75404	0.118384	0.791476	-0.19928	0.672798	-0.53943	0.395948
AT4G37590	NPY5	550.4625	453.1985	488.021	352.2029	385.556	373.8153	456.2127	395.9526	354.3773	474.0106	428.3675	526.2405	-0.42343	0.005056	-0.30397	0.063425	-0.06286	0.857184
AT4G37600	AT4G37600	11.88904	8.92123	12.87654	29.69392	44.38531	31.8989	34.68284	18.34113	41.00233	16.31211	19.95501	19.68222	1.418293	0.000311	1.264873	0.002245	0.574436	0.431857
AT4G37610	BTS	101.0568	103.4863	144.2173	224.7665	264.9869	544.2751	739.9005	600.9417	564.2702	165.0401	148.9974	159.5296	1.462883	1.31E-07	2.307983	8.97E-18	0.408086	0.417424
AT4G37620	AT4G37620	0	3.568492	3.829623	1.649662	4.637271	1.993682	0.889303	2.15778	2.928738	1.919071	1.330334	0	0.142905	0.862807	-0.12117	0.890257	-0.2352	NA
AT4G37630	CYCD5-1	86.78999	53.52738	73.963	68.46099	74.8588	70.7757	112.9415	72.28563	84.9334	68.12703	50.55269	63.1903	-0.01932	0.956019	0.31117	0.290283	-0.43198	0.644822
AT4G37640	ACA2	489.8284	397.8869	325.7765	630.5834	647.2305	705.7633	593.1654	634.3873	546.6978	272.5081	243.4511	285.9102	0.693456	1.01E-05	0.536173	0.001129	-0.5854	0.004991
AT4G37650	SHR	143.8574	101.702	123.6148	81.65828	81.48347	77.75358	60.47264	78.75897	80.05217	94.99043	95.78405	87.01615	-0.60858	0.003119	-0.74735	0.000497	-0.41323	0.204964
AT4G37660	AT4G37660	40.42273	28.54794	45.0679	59.38784	52.33491	41.86731	33.79353	32.3667	67.36097	45.09817	43.90102	43.50807	0.396887	0.264667	0.192367	0.651463	0.181823	0.798327
AT4G37670	NAG52	53.50068	73.15409	61.80741	46.19054	41.07297	50.83888	88.93035	93.86342	91.76712	42.21957	41.24035	51.79533	-0.42378	0.098436	0.543154	0.029779	-0.43603	0.285872
AT4G37680	HPH4	505.2842	572.743	533.0889	396.3314	394.8305	403.7205	382.4005	347.4026	250.8952	530.6232	433.6889	462.0143	-0.4217	0.0124	-0.69998	2.25E-05	-0.16834	0.589651
AT4G37682	AT4G37682	11.88904	21.41095	18.02716	4.536571	1.987402	6.977885	6.225124	10.7889	3.904984	18.23118	10.64267	21.75404	-1.5659	0.00133	-1.04346	0.048291	0.032057	NA
AT4G37685	AT4G37685	11.88904	19.62671	23.17778	7.42348	7.28714	9.968408	12.45025	8.63112	10.73871	16.31211	13.30334	18.64632	-1.00516	0.023029	-0.65	0.190136	-0.13074	NA
AT4G37690	GT6	5.94452	5.352738	14.1642	18.248311	9.274542	5.981045	4.446517	3.23667	5.857476	2.878607	6.65167	6.215439	-0.07071	0.922398	-0.68005	0.282735	-0.55044	NA
AT4G37700	AT4G37700	0	1.784246	2.575309	0.412416	0.662467	0.996841	2.66791	2.15778	0	0	0	0.1035907	-0.3531	0.61598	0.108108	0.895119	-0.47686	NA
AT4G37705	AT4G37705	1.188904	1.784246	0	0	0	0	0.889303	0	0	0	1.330334	1.035907	-0.58251	NA	-0.31162	NA	-0.06706	NA
AT4G37710	VQ29	1.188904	0	0	0.824831	0.662467	0	0.889303	1.07889	1.952492	0	0	0	0.055782	NA	0.438903	NA	-0.27556	NA
AT4G37720	PSK4	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G37730	AtbZIP7	20.21137	14.27397	18.02716	13.1973	13.24935	11.96209	16.00746	16.18335	15.61994	7.676285	5.321336	11.39497	-0.40213	0.387723	-0.13129	0.818794	-0.92728	0.000000
AT4G37740	GRF2	115.3237	108.839	87.5605	72.99756	92.74542	89.71567	91.59826	96.0212	69.31427	96.9131	98.44471	95.304	-0.28884	0.224832	-0.26926	0.298894	-0.09666	0.850053
AT4G37750	ANT	268.6923	248.0102	256.2432	265.1832	276.2489	261.1723	255.2301	241.6713	295.2342	312.8086	272.7185	272.4434	0.051578	0.794362	-0.15879	0.400107	0.148125	0.612836
AT4G37760	SEQE	806.0769	744.0306	749.4148	412.4156	403.4426	394.7489	412.6368	385.1637	360.2348	771.4666	792.879	761.3913	-0.91772	5.58E-19	-0.98187	1.79E-20	0.01416	0.962331
AT4G37770	ACS8	20.21137	26.76369	27.04074	7.335896	4.637271	7.974726	19.56468	11.86779	5.795562	14.39303	17.29434	12.43088	-0.17725	0.000282	-0.837	0.077759	-0.65151	NA
AT4G37780	MYB87	0	1.784246	2.575309	2.886909	5.299738	1.993682	1.778607	1.07889	0.972646	5.757214	2.660668	3.10772	0.656669	0.348407	-0.08963	0.91994	0.746928	0.000000
AT4G37790	HAT22	278.2035	306.8903	301.1111	410.7659	379.5937	460.5404	311.2562	345.2448	326.0662	276.3463	279.3701	228.9353	0.489374	0.000721	-0.147934	0.413528	-0.1725	0.535067
AT4G37800	XTH7	936.8563	1036.647	1121.547	564.1845	516.7245	540.2877	321.9279	311.7992	386.5934	1600.505	1444.743	1535.213	-0.9212	1.79E-14	-1.58068	2.8E-38	0.561404	9.32E-05
AT4G37810	EPFL2	26.15589	17.84246	30.9037	49.07745	58.95959	43.86099	25.7988	20.49891	30.26363	53.734	53.21336	24.86176	0.919183	0.008173	0.003535	0.994535	0.71286	0.183676
AT4G37820	AT4G37820	463.6725	419.2978	351.5296	348.4912	411.3922	318.989	265.9017	267.5647	530.1016	269.6295	339.2352	342.8851	-0.1851	0.537083	-0.2057	0.510352	-0.3602	0.402181
AT4G37830	COX6A	632.4969	767.2258	779.0309	1296.635	1243.451	930.0524	674.092	686.174	1262.286	949.9403	1169.364	798.6839	0.645922	0.009545	0.256997	0.38348	0.403959	0.309787
AT4G37840	HKL3	0	0	0	0.824831	0	0	1.778607	2.15778	0	0	0	0	0.141132	NA	0.58474	NA	0.000000	0.000000
AT4G37850	BHLH25	0	1.784246	0	0	0	0	0.889303	0	0	0	0	0	-0.26522	NA	-0.08117	NA	-0.24296	NA
AT4G37860	AT4G37860	1.188904	0	0	0	0	0	1.778607	0	0	2.878607	0	0	-0.23421	NA	0.076266	NA	0.219011	NA
AT4G37870	PCKA	2273.184	2460.475	2468.433	2201.062	2162.293	2616.707	2471.127	2675.647	2690.534	2891.081	2908.11	2466.493	-0.04563	0.777284	0.111019	0.467509	0.196844	0.332495
AT4G37880	AT4G37880	450.5946	463.904	466.7662	392.2072	428.6163	447.5815	460.6592	429.3982	602.3438	410.6812	419.0552	457.8707	-0.12592	0.489075	0.108875	0.578244	-0.10104	0.757199
AT4G37890	EDA40	16.64466	14.27397	14.1642	5.361402	5.962205	0	4.446517	4.31556	5.857476	6.838217	11.97301	11.35947	-1.46942	0.003635	-1.28026	0.017752	-0.42014	NA

AT4G38400	EXLA2	87.97889	80.29107	83.69753	36.29257	34.4483	20.93366	29.34701	21.5778	39.04984	71.96517	59.86503	63.1903	-1.34872	1.81E-07	-1.40157	2.84E-07	-0.35054	0.446263
AT4G38401	AT4G38401	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0.256851	NA
AT4G38405	AT4G38405	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G38410	AT4G38410	1.188904	0	3.862963	2.062078	1.987402	2.990522	2.66791	1.07889	3.904984	2.878607	0	2.071813	0.169943	0.835534	0.256086	0.760432	-0.02315	NA
AT4G38420	skPS	98.67903	126.6815	117.1765	76.7093	48.36011	72.76938	87.15174	94.94231	57.59851	88.27728	111.7481	109.8061	-0.74865	0.003122	-0.48723	0.08059	-0.13542	0.805717
AT4G38430	R0PGEF1	760.8985	765.4415	753.2778	595.5281	529.3114	520.3509	562.9291	653.8073	625.7737	751.3164	783.5667	633.9784	-0.46162	0.000336	-0.30448	0.029071	-0.07217	0.798327
AT4G38440	AT4G38440	152.1797	148.0924	136.4914	101.0418	96.05775	111.6462	128.949	163.9913	135.6982	116.1038	111.7481	112.2128	-0.49667	0.006731	-0.02964	0.909112	-0.34801	0.235234
AT4G38460	GRR	404.2273	488.8834	372.1321	515.5195	447.8279	425.651	377.0647	455.2916	646.2748	405.8836	327.2622	323.9038	0.136382	0.587929	0.2213	0.305572	-0.24769	0.513629
AT4G38470	AT4G38470	498.1508	421.0821	426.2136	312.1986	283.536	330.9511	274.7948	428.3193	313.375	378.057	331.2532	366.7109	-0.53048	0.002971	-0.40122	0.03599	-0.31591	0.269349
AT4G38480	AT4G38480	41.61164	24.97944	34.76667	40.41673	41.73544	45.85468	54.24751	46.39227	42.95482	34.54328	35.91902	32.1131	0.278671	0.395153	0.449072	0.170754	-0.01675	0.985388
AT4G38490	AT4G38490	114.1348	133.8185	101.7247	111.7646	157.6672	124.6051	104.9378	64.7334	197.2017	151.6066	109.0874	133.6319	0.163279	0.676303	0.070259	0.875974	0.16852	0.806367
AT4G38495	AT4G38495	46.36725	51.74313	60.51975	114.6515	102.02	74.76306	88.93035	61.49673	120.0783	100.7512	129.0424	55.93895	0.819858	0.012277	0.711518	0.040602	0.775388	0.904851
AT4G38500	AT4G38500	231.8363	262.2842	225.3395	237.5514	200.7276	232.2639	243.6692	213.6202	221.6078	200.5429	224.8264	216.5045	-0.0928	0.169508	-0.07425	0.722083	-0.15871	0.592014
AT4G38510	VHA-B2	897.6225	824.3217	727.5247	606.2509	510.7623	693.8012	565.597	730.4085	479.3368	729.2471	722.3713	697.1651	-0.42882	0.018889	-0.45582	0.014893	-0.18511	0.575858
AT4G38520	AT4G38520	659.8417	513.8629	591.0333	563.3597	547.198	542.2814	490.8955	561.0228	534.9828	593.9526	520.1606	510.7019	-0.09769	0.541997	-0.15774	0.324848	-0.12146	0.642093
AT4G38530	PLC3	17.83356	10.70548	18.02716	5.361402	5.299738	3.987363	6.225124	8.63112	12.6911	14.39303	18.62468	16.5745	-1.37749	0.002947	-0.66876	0.200026	0.054639	NA
AT4G38540	AT4G38540	19.02246	12.48972	14.1642	95.68041	96.05775	59.81045	144.9565	127.309	214.7741	10.55489	9.312338	13.46678	2.22005	1.37E-11	3.115452	2.61E-22	-0.39845	0.598084
AT4G38545	AT4G38545	19.02246	10.70548	10.30123	14.43455	13.24935	5.981045	8.003731	11.86779	14.64369	15.35257	13.30334	12.43088	-0.18116	0.754178	-0.20639	0.740265	0.015139	NA
AT4G38550	AT4G38550	112.9459	98.13353	97.86173	218.5803	231.2011	172.4535	157.4067	140.2557	255.7765	27.7746	63.85603	55.93895	0.973227	4.89E-05	0.804917	0.00134	-0.80432	0.019897
AT4G38552	AT4G38552	8.322328	12.48972	5.150617	8.660727	5.299738	8.971567	11.56095	8.63112	13.66654	12.47396	7.982004	9.323159	-0.12176	0.851144	0.354233	0.567512	0.20752	NA
AT4G38560	AT4G38560	26.15589	46.3904	28.3284	169.5028	178.8662	147.5324	123.6132	134.8612	174.748	12.47936	11.97301	24.86176	2.22837	5.44E-18	2.031975	9.85E-15	-0.86713	0.060909
AT4G38570	PI52	131.6833	119.5445	164.8189	138.5716	151.705	127.5956	120.9453	113.2834	90.79088	140.0922	146.3367	133.6319	0.001797	0.994993	-0.3548	0.106514	0.002819	0.969189
AT4G38580	HIPP26	110.5681	83.85956	108.163	235.0769	183.5034	187.4061	113.8308	126.2301	187.4392	88.27728	81.15037	102.5547	0.962447	2.06E-05	0.467799	0.070181	-0.15491	0.764564
AT4G38590	BGAL14	2.377808	0	1.287654	0	0.662467	0.996841	1.778807	0	0	3.838143	2.660668	2.071813	-0.46617	0.506986	-0.32535	0.669828	0.543444	NA
AT4G38600	UPL3	1319.683	1031.294	807.3593	587.6922	469.0268	778.5326	736.3433	999.0521	528.1491	723.4899	726.3623	787.289	-0.7527	0.002575	-0.46143	0.091716	-0.47699	0.21576
AT4G38620	MYB4	120.0793	142.7397	101.7247	170.74	184.8284	160.9414	161.8532	116.5201	183.5342	139.1327	228.8174	121.2011	0.487409	0.069471	0.334584	0.262412	0.402298	0.34135
AT4G38630	RPN10	878.6	915.3182	775.1769	109.5	1032.124	1110.481	974.6766	1084.284	1205.664	948.9807	921.9214	810.0789	0.333322	0.012217	0.342969	0.012099	0.062122	0.836577
AT4G38640	AT4G38640	470.806	456.767	427.5012	298.1765	330.5712	341.9164	347.7177	390.5582	310.4462	332.9589	407.0822	314.9156	-0.47828	0.001563	-0.36511	0.021454	-0.36019	0.103841
AT4G38650	AT4G38650	27.34479	26.76369	39.91728	19.38353	19.21155	22.92734	36.64414	26.65669	32.35864	32.62421	46.56169	24.86176	-0.58389	0.11399	-0.12416	0.79599	0.110826	0.893056
AT4G38660	AT4G38660	242.5364	158.7979	163.5321	128.2612	92.08295	113.6298	63.14055	100.3368	119.102	61.82511	118.3997	133.6319	-0.71826	0.013352	-0.94955	0.001144	-0.25289	0.644822
AT4G38670	AT4G38670	60.6341	82.07532	60.51975	64.33683	41.73544	42.86415	39.12935	37.76115	41.97858	69.08657	101.1054	60.08258	-0.38666	0.212396	-0.71231	0.002184	0.174027	0.77103
AT4G38680	CS2	876.2222	756.5203	647.6901	508.9208	440.5407	408.7047	265.0124	373.2959	682.396	595.8716	538.7853	496.1992	-0.7103	0.008748	-0.75034	0.006366	-0.46037	0.280975
AT4G38690	AT4G38690	445.839	504.9416	455.8296	254.604	219.2767	285.0965	259.6766	270.8014	332.8999	579.5595	522.8213	566.6409	-0.8785	2.03E-09	-0.69015	5.62E-06	0.24783	0.316554
AT4G38700	DIR15	34.47821	33.90067	21.89012	31.34358	21.86142	23.92418	12.94668	15.84867	44.13864	33.25835	27.96948	-0.18032	0.675957	-0.63421	0.119876	0.202321	0.764545	NA
AT4G38710	AT4G38710	536.1957	396.1026	364.4062	344.7794	375.6189	356.869	248.1157	339.8503	575.0089	351.19	311.2981	400.8958	-0.25711	0.388131	-0.15192	0.652739	-0.27355	0.568841
AT4G38730	AT4G38730	135.535	114.1917	131.3407	89.08176	88.77061	84.06683	118.2774	81.99564	75.17094	146.809	110.4177	107.7343	-0.43146	0.067652	-0.45208	0.070148	-0.06047	0.914481
AT4G38740	CYP18-3	1288.772	1186.524	1229.71	1075.167	1143.419	899.1505	100.4602	558.865	98.1059	1320.321	1432.77	1168.503	-0.24039	0.333451	-0.82392	0.000169	-0.07877	0.797934
AT4G38760	AT4G38760	712.6647	669.0923	659.279	280.4426	272.9365	397.7395	450.8769	480.106	245.0377	538.2995	553.4189	586.3231	-1.07428	1.14E-06	-0.77417	0.000794	-0.27909	0.493234
AT4G38770	PRP4	4284.81	2926.163	2455.57	172.2417	677.0416	794.4821	963.1157	1200.265	1194.925	2273.214	2532.956	2011.311	-2.09084	4.18E-30	-1.48594	1.34E-15	-0.48744	0.080487
AT4G38780	AT4G38780	14.26685	14.27397	19.31482	9.897974	6.24673	16.94629	11.56095	12.94668	8.57476	21.10978	21.28534	13.46678	-0.49244	0.324501	-0.55716	0.297805	0.188507	NA
AT4G38781	AT4G38781	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G38790	AT4G38790	180.7134	214.1095	168.6827	348.4912	327.2588	348.8943	276.5734	262.1703	250.8952	151.6066	129.0424	155.386	0.861023	2.52E-09	0.490121	0.002052	-0.34594	0.165196
AT4G38800	MTN1	1142.537	1191.876	1314.695	1155.176	1210.328	1096.525	930.2114	1009.841	1144.16	1268.506	1227.898	1051.188	-0.07446	0.657544	-0.24009	0.111597	-0.05515	0.861847
AT4G38810	AT4G38810	486.2617	538.8423	498.3222	463.1427	396.8179	466.5215	495.342	503.8416	479.3368	531.5827	619.9356	551.1023	-0.19513	0.162249	-0.03982	0.826421	0.159008	0.913936
AT4G38820	AT4G38820	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G38825	AT4G38825	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G38830	CRK26	2.377808	1.784246	3.862963	4.948987	6.24673	5.981045	0.889303	2.15778	0.976246	1.919071	0	2.071813	0.788368	0.239161	-0.51891	0.497559	-0.45969	NA
AT4G38840	AT4G38840	640.8192	545.9793	618.0741	598.8274	744.6132	377.8027	353.0535	210.3835	454.9306	725.4089	1042.982	626.7235	-0.0634	0.86786	-0.7783	0.008544	-0.38426	0.433392
AT4G38850	SAUR15	71.33424	58.88012	56.65679	84.95761	83.47088	63.79781	43.57587	28.05114	66.38473	62.36982	74.4987	108.7702	0.299528	0.387726	-0.40669	0.263933	0.366104	0.505619
AT4G38860	AT4G38860	743.065	836.8114	691.4704	744.8220	779.724	521.3477	311.2562	288.0636	459.8149	60.57713	435.0192	609.113	-1.06299	5.905399	-1.06299	6.24E-07	-0.57277	0.057967
AT4G38870	AT4G38870	475.56616	71.136984	1.287654	5.														

AT4G39364	AT4G39364	20.21137	35.68492	28.3284	31.34358	35.11077	33.89259	32.01493	29.13003	29.28738	22.06932	29.26735	23.82585	0.262203	0.480582	0.127504	0.776191	-0.13465	0.864774
AT4G39366	AT4G39366	19.02246	28.54794	19.31482	27.21943	32.4609	23.92418	26.6791	15.10446	24.40615	17.27164	21.85334	23.82585	0.331784	0.418782	0.022846	0.965713	-0.06946	0.944286
AT4G39370	UBP27	77.27876	75.9786	88.84815	133.6226	151.0425	134.5735	118.2774	130.5457	122.0037	94.99002	81.15037	99.44703	0.507845	0.003811	0.403502	0.0699757	-0.00488	0.993182
AT4G39380	AT4G39380	58.25629	35.68492	23.17778	63.512	65.58426	57.81677	61.36194	32.3667	31.23987	58.53167	79.82004	40.40035	0.607101	0.105992	0.078795	0.878868	0.533746	0.371475
AT4G39390	NST-K1	161.6909	180.2088	162.2444	355.0898	412.7171	463.531	348.607	342.0081	312.3987	131.4564	139.6851	134.6678	1.265036	1.05E-11	0.798799	5.63E-10	-0.30317	0.288799
AT4G39400	BR11	1819.023	1477.356	1164.04	951.8003	899.6306	1336.763	1106.474	1235.329	843.4765	933.6282	1021.696	101.1075	-0.47238	0.028391	-0.51239	0.019829	-0.57181	0.042555
AT4G39403	PLS	2.377808	0	1.287654	0.124156	0.312336	1.993682	1.778607	1.07889	3.904984	1.919071	2.666668	0.143626	0.62991	0.371087	0.304999	0.71045	0.502828	NA
AT4G39404	AT4G39404	0	0	0	0.824831	0	0.996841	0	2.15778	0	0	1.330334	2.071813	0.274293	NA	0.316347	NA	0.495644	NA
AT4G39410	WRKY13	27.34479	8.92123	21.89012	24.74493	25.17376	24.92102	24.9005	18.34113	9.76246	29.7456	27.93701	17.61041	0.279187	0.557237	-0.15642	0.782174	0.281681	0.736333
AT4G39420	AT4G39420	691.9421	387.1814	320.6259	160.4297	164.2919	226.2829	237.444	307.4836	199.1542	302.2537	315.2892	323.2028	-1.28957	4.23E-07	-0.87253	0.001121	-0.54955	0.167523
AT4G39460	SAMC1	518.3621	520.9998	600.0469	446.2337	449.8153	416.6794	378.8433	417.5304	369.9972	555.5711	437.6799	580.1077	-0.31545	0.034889	-0.48627	0.001016	-0.05572	0.86931
AT4G39470	AT4G39470	115.3237	92.78079	97.86173	70.11065	71.54647	79.74726	83.59453	76.60119	80.05217	100.7512	97.11438	122.237	-0.47326	0.024798	-0.34577	0.14203	0.05863	0.907091
AT4G39480	CYP96A9	29.7226	19.62671	19.31482	5.773818	5.299738	2.990522	5.335821	6.47334	0.976246	20.15025	13.30334	19.68222	-1.86949	3.02E-05	-1.96819	3.79E-05	-0.3191	NA
AT4G39490	CYP96A10	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT4G39490	CYP96A11	0	0	0	1.237247	0	0	1.778607	1.07889	0	0.959536	0	0	0.216234	NA	0.430369	NA	0.150186	NA
AT4G39510	CYP96A12	250.8587	228.3835	200.8741	114.2391	113.9444	108.6556	75.5908	63.65451	80.05217	206.3002	186.2468	212.3608	-0.99191	6.83E-10	-1.59136	2.66E-20	-0.16307	0.606351
AT4G39520	DRG3	620.6079	678.0135	575.5815	639.2441	592.9082	626.016	631.4055	604.1784	608.2013	509.5134	529.4729	508.6301	-0.00762	0.961435	-0.01893	0.907417	-0.27083	0.103313
AT4G39530	PCMP-E53	19.02246	19.62671	16.73951	16.49662	18.54908	19.93682	28.45771	28.05114	15.61994	18.23118	21.28534	30.04129	-0.02642	0.960598	0.345224	0.463724	0.297523	0.701627
AT4G39540	SK2	301.9816	390.7499	363.1185	332.8194	327.2588	329.9543	384.1791	389.4793	368.0447	329.1207	345.8868	306.6283	-0.08381	0.615012	0.11893	0.484368	-0.0982	0.73318
AT4G39550	AT4G39550	47.55616	37.46917	48.93086	40.82914	42.39791	43.86099	40.82914	20.49891	35.14486	34.54328	25.27635	29.00538	-0.08577	0.81872	-0.66461	0.042541	-0.55527	0.250842
AT4G39560	AT4G39560	49.93397	74.98383	60.51975	61.86234	51.67245	75.7599	55.13682	73.36452	50.76479	48.53167	71.83803	58.01707	0.034182	0.92477	-0.03331	0.931645	0.032587	0.964839
AT4G39570	AT4G39570	45.66172	55.31163	52.79383	47.42779	53.65985	44.85784	54.24751	48.55005	58.57469	58.36322	43.90102	48.68771	0.042577	0.905144	0.179731	0.958765	0.0014	0.998194
AT4G39580	AT4G39580	5.94452	1.784246	5.150617	38.76706	40.4105	42.86415	53.35821	37.76115	45.88356	3.838143	2.660668	8.287252	2.60489	3.02E-10	2.765183	2.85E-11	0.036303	0.980953
AT4G39590	AT4G39590	0	0	0	0.412416	0	0	0.889303	0	0.976246	2.878607	0	0	0.031922	NA	0.297754	NA	0.454963	NA
AT4G39600	AT4G39600	23.77808	12.48972	15.45185	13.60971	9.937009	14.95261	14.22886	9.710009	8.786214	18.23118	14.63367	20.71813	-0.50496	0.39169	-0.58446	0.240373	0.030849	NA
AT4G39610	AT4G39610	1.188904	3.568492	0	12.78488	12.58688	10.96525	10.67164	7.55223	9.76246	0.959536	0	0	2.037271	0.002093	1.67766	0.004871	-0.52561	NA
AT4G39615	AT4G39615	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G39620	EMB2453	269.8812	239.089	247.2296	186.8243	203.3775	215.3176	224.938	224.4091	191.3442	266.7509	309.9678	308.7001	-0.32723	0.040101	-0.23915	0.177557	0.217796	0.406722
AT4G39630	AT4G39630	36.85602	33.90067	36.05432	58.97543	53.65985	45.82624	32.90423	35.60337	47.12603	50.55269	50.55269	53.86714	0.618538	0.025392	-0.03837	0.927005	0.411879	0.38561
AT4G39640	GGT1	586.1296	745.8148	664.5148	454.8944	431.9287	563.215	425.0871	470.396	427.5957	489.3632	440.3405	575.964	-0.44046	0.007216	-0.56645	0.000555	-0.38063	0.106077
AT4G39650	GGT2	1.188904	0	2.575309	1.237247	0.662467	0	0.889303	2.15778	0	0	0	1.035907	-0.26286	0.708636	-0.11805	0.880137	-0.4317	NA
AT4G39660	AGT2	328.1375	280.1266	272.9827	328.2828	345.1454	318.989	316.592	295.6158	354.3773	265.7914	262.0758	513.9874	0.166267	0.326723	0.128324	0.499544	-0.06189	0.863787
AT4G39670	AT4G39670	8.322328	10.70548	15.45185	22.7044	22.98761	21.32329	24.63371	24.70658	28.9451	2.878607	5.321336	6.215439	3.976349	1.31E-44	4.202836	1.23E-49	-0.91655	0.145626
AT4G39672	AT4G39672	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G39675	AT4G39675	8.322328	7.136984	5.150617	2.886999	5.962205	4.984204	6.225124	2.15778	10.73871	1.919071	3.991002	5.179533	-0.43771	0.513344	-0.05691	0.944548	-0.61029	NA
AT4G39680	AT4G39680	1217.438	1209.719	1173.053	952.2676	900.9555	1010.797	1070.721	1016.314	707.7283	1257.951	1434.1	1175.754	-0.32486	0.056771	-0.3587	0.040104	0.100938	0.768975
AT4G39690	AT4G39690	392.3383	378.2602	343.8037	369.1119	349.1203	386.7742	355.7214	342.0081	320.2087	366.5426	332.5835	353.2441	-0.01386	0.938908	-0.12833	0.423237	-0.0789	0.779875
AT4G39700	AT4G39700	2.377808	3.568492	2.575309	0.824831	0.662467	1.993682	0	3.23667	1.952492	0	1.330334	1.035907	-0.62754	0.374129	-0.34623	0.663535	-0.75228	NA
AT4G39710	PNSL4	393.5272	444.2773	410.7761	291.9902	331.8961	290.6807	446.4303	446.6604	553.5315	518.1492	452.3135	585.2872	-0.43982	0.050328	0.128324	0.236253	0.317759	0.178321
AT4G39720	AT4G39720	11.88904	12.48972	12.87654	17.32145	11.26194	15.94945	10.67164	6.47334	2.928738	9.593536	9.312338	7.251466	0.246847	0.660984	-0.70031	0.21004	-0.41522	NA
AT4G39730	AT4G39730	439.8945	513.8629	459.6926	525.005	584.9586	421.6636	407.301	334.4559	558.4127	532.5423	478.9202	494.1274	0.117712	0.632154	-0.1145	0.655761	0.091609	0.838414
AT4G39740	HCC2	48.74506	58.88012	59.2321	83.72036	78.17114	57.81677	64.02985	63.65451	81.02842	47.97678	69.17737	53.86714	0.405798	0.139934	0.314454	0.306002	0.025981	0.97255
AT4G39745	AT4G39745	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G39750	AT4G39750	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G39753	AT4G39753	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT4G39756	AT4G39756	1.188904	0	0	0	0	0	0.889303	1.07889	0	0	1.330334	0	-0.29581	NA	0.12448	NA	-0.0131	NA
AT4G39760	AT4G39760	0	0	0	0	0	0	1.07889	0	0	0	0	0	0.16673	NA	0.16673	NA	0	NA
AT4G39770	TPPH	165.2576	114.1917	173.8333	52.37678	45.71024	69.77885	55.13682	28.05114	56.62227	110.3466	87.80204	133.6319	-1.38317	1.57E-07	-1.60174	3.76E-09	-0.43334	0.331766
AT4G39780	ERF060	86.78999	60.66437	69.53333	84.95761	104.6698	80.7441	104.0485	83.07453	88.83839	72.92471	71.83803	48.68761	0.293628	0.272885	0.322086	0.254748	-0.17695	0.734334
AT4G39790	AT4G39790	10.70014	1.784246	10.30123	57.73818	9.274542	2.990522	17.14428	9.710009	5.87476	12.47396	14.63367	14.50269	-0.3039	0.628697	-0.07591	0.919124	0.640562	NA
AT4G39795	AT4G39795	4.755616	5.352738	3.862963	1.649662	3.974804	2.990522	0.889303	2.15778	0.976246	1.919071	2.666668	4.143626	-0.45047	0.531339	-0.98377	0.154732	-0.41206	NA
AT4G39800	IPS1	2758.257	2538.982	2541.83	428.0874	450.4777	461.5373	371.7289	378.6904	306.5412	2194.578	177.757	2088.388	-2.53103	2.1E-137	-2.86583	6.3E-163	-0.27743	0.064275
AT4G39810	NEN4	1.188904	10.70548	7.725926	2.474493</														

ATSG01090	ATSG01090	312.6817	319.38	265.2568	186.8243	174.8914	191.3934	215.2114	174.7802	210.8691	260.9937	251.4331	298.3411	-0.68528	6.56E-06	-0.563	0.000434	-0.13883	0.648366
ATSG01100	ATSG01100	22.58917	41.03766	19.31482	91.96667	86.12075	126.5988	95.15547	99.25787	78.09968	23.02886	21.28534	17.61041	1.799971	2.09E-10	1.653711	1.23E-08	-0.33772	0.597514
ATSG01110	ATSG01110	27.34479	41.03766	19.31482	18.97112	12.58688	14.95261	16.00746	16.18335	18.54867	24.94793	21.28534	23.82585	-0.77368	0.04155	-0.67874	1.020856	-0.25507	0.738177
ATSG01120	ATSG01120	22.58917	14.27397	14.1642	11.13522	10.59948	7.974726	10.67164	7.55223	6.833722	18.23118	9.312338	19.68222	-0.66007	0.160663	-0.867	0.082165	-0.08551	NA
ATSG01130	ATSG01130	0	0	0	0	0	0	0.889303	0	0.976246	0	0	0	0	NA	0.309898	NA	0	NA
ATSG01140	ATSG01140	0	0	0	0	0	0	0.889303	0	0.976246	0	0	0	0	NA	0.309898	NA	0	NA
ATSG01150	ATSG01150	1.188904	0	0	0	1.324935	0.996841	0.889303	1.07889	0	0.959536	0	0	0.150415	NA	0.105754	NA	-0.05415	NA
ATSG01160	ATSG01160	217.5694	178.4246	180.2716	181.8753	188.8032	198.3713	142.2886	211.4624	189.3917	214.936	251.4331	155.386	-0.02412	0.935322	-0.09024	0.755812	-0.09519	0.84258
ATSG01170	ATSG01170	91.5456	62.44861	83.69753	51.13953	35.11077	42.86415	50.6903	56.10228	42.95482	62.36982	73.16837	85.9804	-0.84176	0.001042	-0.65257	0.018628	-0.11305	0.849621
ATSG01175	ATSG01175	14.26685	24.97944	6.438272	19.38353	18.54908	15.94945	11.56095	12.94668	16.59618	35.50282	19.95501	16.57445	0.259652	0.621641	-0.08856	0.089761	0.627932	0.39226
ATSG01180	NP#8.2	17.83356	24.97944	27.04074	6.186234	5.299738	1.993682	2.66791	4.31556	4.88123	6.835821	3.991002	17.251346	-1.88726	4.97E-05	-2.05962	3.15E-05	-1.49198	NA
ATSG01185	ATSG01185	0	1.784246	0	0	0.662467	0.996841	0	0	0	0	0	0	0.034784	NA	-0.2741	NA	-0.26587	NA
ATSG01190	LAC10	13.07794	16.05821	12.87654	2.886909	3.312336	7.974726	4.446517	3.23667	1.952492	9.595356	10.64267	6.215439	-1.33027	0.101235	-1.57132	0.004143	-0.54334	NA
ATSG01200	ATSG01200	26.15589	12.48972	28.3284	28.86909	26.49869	27.91154	43.57587	33.44559	36.1211	21.10978	38.57969	27.96948	0.243423	0.554878	0.657445	0.081565	0.287414	0.682617
ATSG01210	ATSG01210	0	3.568492	1.287654	1.237247	2.649869	1.993682	0	0	1.952492	0.959536	1.330334	1.035907	0.213796	0.785796	-0.36971	0.629233	-0.14739	NA
ATSG01215	ATSG01215	0	0	0	0.412416	0	0	1.778607	0	0	0	0	0	0.060593	NA	0.260815	NA	0	NA
ATSG01220	SQD2	595.6409	615.5649	601.3346	405.4045	402.1176	445.5878	545.143	567.4961	591.6051	549.8139	458.9652	667.1238	-0.52683	0.000317	-0.0871	0.651607	-0.10747	0.722193
ATSG01225	ATSG01225	1.188904	1.784246	0	2.886909	4.637271	2.990522	0.889303	1.07889	0	0	0	1.035907	0.970235	0.13729	-0.16968	0.837613	-0.31478	NA
ATSG01230	ATSG01230	79.65566	64.23286	52.79383	113.8267	131.1685	115.6335	80.03731	83.07453	65.40848	70.0461	50.55269	68.36983	0.840219	0.000205	0.200031	0.502745	-0.04966	0.938001
ATSG01240	LAX1	267.5034	317.5958	244.6543	162.0793	146.4053	183.4187	148.5137	233.0402	171.8193	220.6932	284.6915	224.7917	-0.73321	0.000247	-0.56735	0.007045	-0.17852	0.650078
ATSG01250	ATSG01250	5.94452	10.70548	6.438272	26.3946	25.83622	19.93682	24.9005	32.3667	30.26363	5.757214	10.64267	8.287252	1.45433	0.000586	1.681642	7.96E-05	0.062149	0.951629
ATSG01260	ATSG01260	216.3805	174.8561	199.5864	133.2102	145.7428	150.523	180.5286	181.2535	166.9381	229.3219	215.5141	228.9353	-0.47059	0.003039	-0.16682	0.385658	0.179618	0.96329
ATSG01270	CPL2	376.8826	346.1437	352.8173	300.651	336.5334	328.9575	310.3669	353.8759	276.2776	355.9877	315.2892	349.1005	-0.15855	0.325447	-0.19519	0.244597	-0.07469	0.815889
ATSG01280	ATSG01280	0	0	0	0.824831	0	0	0	0	0	0	0	1.035907	0.136071	NA	0.0	NA	0	NA
ATSG01290	ATSG01290	206.8693	206.9725	213.7506	202.0836	193.4404	217.3113	214.3221	219.0147	144.4844	192.8667	196.8894	213.3967	-0.03684	0.878826	-0.11743	0.618351	-0.05608	0.898488
ATSG01300	ATSG01300	0	0	2.575309	1.237247	2.649869	1.993682	0.889303	2.15778	0.976246	0.959536	2.660668	2.071813	0.41376	0.573958	0.155594	0.855413	0.368055	0.0
ATSG01310	BHLH140	76.08985	76.72258	69.53333	65.98649	58.29712	53.8294	67.58706	71.20674	36.1211	97.87263	75.82904	81.83662	-0.29232	0.319691	-0.32888	0.292638	0.200175	0.703109
ATSG01320	PCD4	13.07794	14.27397	15.45185	3.299235	0.662467	2.990522	3.557214	3.39445	2.928738	15.35257	14.63367	15.5386	-1.97433	7.98E-05	-1.4526	0.006166	0.100155	NA
ATSG01330	PCD3	4.755616	7.136984	2.575309	2.886909	1.324935	0.996841	3.557214	2.15778	0.976246	6.716749	3.991002	8.287252	-0.80874	0.221027	-0.6293	0.387472	0.348298	NA
ATSG01335	ATSG01335	9.511232	3.568492	1.510617	4.356571	1.324935	0.996841	3.557214	1.07889	0.976246	6.716749	3.912338	5.179533	-0.84821	0.190335	-1.01504	0.131129	0.132688	NA
ATSG01340	SFC1	47.55616	48.17464	45.0679	63.92441	70.22153	65.79149	49.80099	45.31338	41.00233	46.05771	34.58868	49.72351	0.487881	0.063911	-0.04314	0.096468	-0.09004	0.888185
ATSG01350	ATSG01350	417.3053	499.5889	462.2679	183.6517	910.23	738.659	642.9664	516.7094	876.6689	521.0278	614.6143	504.4855	0.804879	2.41E-05	0.549643	0.006543	0.243883	0.485186
ATSG01360	TBL3	8.322328	10.70548	10.30123	3.71174	5.299738	2.990522	9.782338	7.55223	6.833722	17.27164	9.312338	10.35907	-0.98443	0.065296	-0.20396	0.764953	0.316337	NA
ATSG01365	ATSG01365	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG01370	AC11	67.76752	42.8219	63.09506	34.23049	46.37271	44.85784	48.91169	34.52448	43.93107	67.16749	51.88302	62.15439	-0.48555	0.092816	-0.43743	0.167015	0.046612	0.949332
ATSG01380	GT-3A	0	3.568492	1.287654	0.660727	6.624673	9.968408	14.22886	10.7889	14.64369	0.959536	1.330334	0	1.546202	0.007953	2.094454	0.00025	-0.35323	NA
ATSG01390	ATSG01390	146.2352	174.8561	103.0123	138.984	166.9418	142.5482	134.2848	122.9935	140.5794	137.2136	131.7031	127.4165	0.091383	0.719039	-0.07516	0.790948	-0.11831	0.866179
ATSG01400	ESP4	498.1508	442.493	462.2679	362.1009	293.473	389.764	436.648	432.6349	322.1612	517.1897	594.6593	881.2136	-0.4166	0.041894	-0.23095	0.321604	0.084119	0.852822
ATSG01410	PDX13	1320.872	1345.322	1391.954	1296.635	1444.179	1119.452	1456.679	1546.049	2080.38	1452.737	1370.244	1284.524	-0.06987	0.732399	0.319377	0.065986	0.017222	0.970242
ATSG01420	ATSG01420	11.88904	3.568492	11.58889	16.49662	11.92441	11.96209	10.67164	16.18335	11.71495	13.4335	10.64267	18.64632	0.442194	0.398644	0.350165	0.549676	0.49698	NA
ATSG01430	ATSG01430	91.5456	83.85956	83.69753	178.1635	215.3019	149.5221	125.3918	100.3368	178.653	98.83217	70.5077	75.62118	1.02584	2.37E-05	0.612619	0.022281	-0.07353	0.908744
ATSG01440	ATSG01440	0	0	0	0	0	0	0	0	0	0	1.330334	1.035907	0	NA	0	NA	0	NA
ATSG01445	ATSG01445	10.70014	1.784246	6.438272	5.361402	7.949607	8.971567	5.335821	1.07889	3.904984	9.595356	10.64267	9.323159	0.092773	0.889817	-0.63345	0.34166	0.437765	NA
ATSG01450	ATSG01450	110.5681	139.1712	141.642	202.496	172.2415	198.3713	200.9933	157.5179	170.843	107.468	95.78405	98.41112	0.546571	0.003188	0.433632	0.303508	-0.35491	0.260491
ATSG01460	ATSG01460	466.0503	421.0821	385.0086	268.4825	265.6494	284.0996	294.3595	290.2214	209.8299	302.2537	282.0308	362.5703	-0.62697	0.006185	-0.66657	0.000102	-0.41628	0.895338
ATSG01470	ATSG01470	47.55616	39.25341	78.54691	72.17273	64.92179	62.80097	61.36594	56.10228	71.26596	46.05771	61.19536	76.65708	0.24881	0.044795	0.164321	0.658822	0.124726	0.851386
ATSG01480	ATSG01480	4.755616	7.136984	10.30123	6.186234	6.624673	5.981045	8.893035	4.31556	6.833722	8.635821	2.660668	8.287252	-0.17115	0.796043	-0.09213	0.904422	-0.09554	NA
ATSG01490	CAX4	0	0	0	0.412416	1.324935	0	1.07889	0	0	0	0	0	0.316618	NA	0.168182	NA	0	NA
ATSG01500	TAA2	178.3356	96.34929	160.9568	171.9773	163.6294	180.4282	173.4142	151.0446	206.9642	140.0922	150.3277	139.8474	0.21618	0.370732	0.260211	0.29785	-0.0385	0.947036
ATSG01510	RUS5	146.2352	137.3869	135.2037	107.6405	107.3197	103.6714	136.6304	121.9146	114.2208	160.2424	158.3097	150.2064	-0.38627	0.030698	-0.1666	0.438565	0.15738	0.637513
ATSG01520	ATSG01520	194.9802	233.7362	197.0111	99.39215	119.2441	110.6493	170.7463	141.3346	159.1281	196.7048	235.4691	222.7199	-0.90704	4.98E-08	-0.39006	0.035972	0.069005	0.862669
ATSG01530	LHC8.1	18747.83	23022.13	19836.32	10684.04	8848.575	9400.209	9882.83	11411.42	12508.64	19731.89	17358.2	19649.08	-1.07629	9.15E-17	-0.85489	7.		

ATSG01980	ATSG01980	197.3581	176.6404	149.3679	161.6669	163.6294	180.4282	141.3993	210.3835	158.1519	122.8206	101.1054	109.8061	-0.05272	0.838938	-0.04168	0.883623	-0.62587	0.019504	
ATSG01990	ATSG01990	99.86793	92.78079	61.80741	107.228	93.40789	115.6335	82.70522	111.1257	92.74337	57.57214	46.56169	63.1903	0.303717	0.241999	0.164684	0.588869	-0.56486	0.127717	
ATSG02000	ATSG02000	0	0	0	0	0	0	0	0	0.959536	0	0	0	0	NA	0	NA	0	0.171512	NA
ATSG02010	ROPGEF7	129.5905	128.4657	130.0531	93.61834	77.50867	95.69671	109.3843	106.8101	72.2422	165.0401	141.0154	120.1652	-0.52578	0.017639	-0.4144	0.086442	0.133245	0.770425	
ATSG02020	SIS	93.92341	117.7602	104.3	129.9109	117.9192	78.75042	120.056	97.10009	132.7695	62.36982	51.88302	66.29802	0.07388	0.8104	0.152905	0.618301	-0.75598	0.021276	
ATSG02021	ATSG02021	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
ATSG02025	ATSG02025	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
ATSG02030	BLH9	129.5905	89.2123	92.71111	115.8888	95.39529	104.6683	100.4913	115.4412	88.83839	83.4796	94.45371	92.19568	0.012669	0.966029	-0.04594	0.882951	-0.21532	0.606829	
ATSG02035	ATSG02035	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
ATSG02040	PRA1A1	91.5456	110.6233	115.8889	222.292	192.778	200.365	165.4104	155.3602	164.9856	91.15588	59.86503	75.62118	0.941347	2.63E-07	0.602148	0.002557	-0.45186	0.15151	
ATSG02050	ATSG02050	279.3924	242.6575	249.8049	288.6909	335.2084	235.2544	237.444	236.2769	369.9972	266.7509	267.3971	289.0179	0.15174	0.53789	0.122416	0.650677	0.088008	0.855952	
ATSG02060	ATSG02060	16.64466	26.76369	23.17778	20.20836	25.17376	35.88627	9.782338	15.10446	25.3824	24.94793	15.96401	23.82585	0.249472	0.599701	-0.34265	0.499878	-0.00319	0.997567	
ATSG02070	WAKL20	38.04493	28.54794	47.64321	25.98218	23.18635	26.9147	18.67537	18.34113	12.6912	36.46235	35.91902	32.1131	-0.56698	0.086415	-1.11686	0.001178	-0.13769	0.850918	
ATSG02080	ATSG02080	41.61164	44.60615	30.9037	42.06639	54.32232	34.88943	41.79726	22.65669	27.33489	58.53167	53.21336	54.90305	0.173699	0.639501	-0.30548	0.429358	0.49026	0.325299	
ATSG02090	ATSG02090	3.566712	3.568492	10.30123	9.485558	11.92441	6.977885	4.446517	4.31556	6.833722	15.35257	17.29434	14.50269	0.530957	0.354256	-0.15878	0.831555	1.124761	NA	
ATSG02100	ORP3A	64.20081	49.95889	61.80741	182.7001	170.2541	178.4345	154.7388	156.439	162.0568	71.96517	49.22236	74.58527	1.532971	2.93E-15	1.366042	8.78E-12	0.144794	0.764628	
ATSG02110	CYCD7-1	1.188904	1.784246	1.287654	1.237247	2.649869	1.993682	1.778607	1.07889	1.952492	0.959536	1.330334	1.035907	0.228252	0.775191	0.092741	0.915695	-0.13673	NA	
ATSG02120	HILP	235.405	173.0719	239.5037	212.8064	261.0121	139.5577	194.7575	131.6246	350.4732	372.2998	367.1722	494.1274	-0.07409	0.856362	0.05584	0.899269	0.866384	0.034126	
ATSG02130	NDP1	68.95643	142.7397	108.163	132.7978	140.4431	131.583	146.7351	152.1235	135.6982	119.942	126.3817	112.9138	0.354608	0.132751	0.452702	0.059715	0.184829	0.679323	
ATSG02140	ATSG02140	3.566712	0	5.150617	2.062078	2.649869	0	1.778607	3.23667	1.952492	0.959536	0	0.071813	-0.42174	0.572537	-0.2031	0.813313	-0.65534	NA	
ATSG02150	Fes1C	249.6698	265.8527	320.6259	336.1187	378.2688	340.9195	423.3085	358.1915	341.6861	318.5658	373.8238	329.4183	0.328647	0.046364	0.418788	0.011869	0.729827	0.276934	
ATSG02160	ATSG02160	2549.01	2695.996	2789.059	1562.643	1505.788	1347.729	1881.766	1601.073	2652.46	3151.115	4316.934	3471.323	-0.84208	0.19E-06	-0.37953	0.063958	0.434637	0.110671	
ATSG02170	ATSG02170	21.40027	17.84246	18.02716	7.011065	5.962205	11.96209	8.003731	5.39445	6.833722	17.27164	21.28534	16.5745	-1.10116	0.011269	-1.25522	0.007205	-0.05701	NA	
ATSG02180	ATSG02180	477.9394	551.332	457.1173	176.5139	175.5538	214.3208	246.3371	192.0424	94.69586	467.2939	364.5115	430.9731	-1.33153	6.58E-08	-1.40866	1.43E-07	-0.22215	0.653508	
ATSG02190	PCS1	68.95643	57.09587	39.91728	20.62078	20.53649	23.92418	13.39955	14.02557	14.64369	30.70514	57.20436	50.75942	-1.2665	6.39E-05	-1.80661	1.25E-07	-0.256	0.684908	
ATSG02200	FHL	29.7226	39.25341	34.76667	17.73387	21.86142	31.8989	21.34328	16.18335	16.59618	26.867	26.60668	32.1131	-0.52922	0.140813	-0.83514	0.02577	-0.23878	0.734334	
ATSG02210	ATSG02210	2.377808	3.568492	2.575309	1.649662	1.987402	0	0.889303	2.15778	0.976246	0	1.330334	2.071813	-0.50664	0.488566	-0.49727	0.514422	-0.58475	NA	
ATSG02220	ATSG02220	3.566712	1.784246	0	2.474493	1.987402	0	1.778607	2.15778	4.88123	0	1.330334	1.035907	-0.06537	0.93993	0.358239	0.673225	-0.42003	NA	
ATSG02230	ATSG02230	159.3131	169.5034	186.7099	82.0707	90.09555	67.78517	83.59453	80.91675	56.62227	252.3579	210.1928	179.2118	-1.05889	2.32E-07	-1.17948	2.77E-08	0.310935	0.368413	
ATSG02240	ATSG02240	1098.547	1361.38	1394.53	1870.305	1958.253	1784.345	1933.346	1985.157	2648.555	1943.06	1874.441	1632.589	0.534281	0.000727	0.756787	9.26E-07	0.492163	0.016482	
ATSG02244	ATSG02244	91.5456	132.0342	133.9161	207.0326	190.1281	156.504	108.495	105.7312	172.7955	129.5373	147.6671	129.4883	0.622722	0.009124	0.117273	0.714512	0.182882	0.706832	
ATSG02250	RNR1	454.1613	483.5307	435.2272	302.3006	279.5612	312.0112	407.301	465.0016	319.2324	467.2939	448.3225	449.5834	-0.06769	5.64E-05	-0.20041	0.264886	-0.00539	0.990348	
ATSG02260	EXPA9	36.85602	37.46917	23.17778	35.05532	34.4483	32.89575	24.9005	28.05114	33.19236	34.54328	13.30334	21.75404	0.081535	0.854528	-0.15637	0.737361	-0.40173	0.536375	
ATSG02270	ABX20	164.0687	151.6609	160.9568	218.1678	237.8258	226.2829	168.0784	187.7268	253.824	198.6239	267.3971	190.6068	0.499443	0.01474	0.340941	0.133364	0.493569	0.14712	
ATSG02280	ATSG02280	84.41218	55.31163	91.42346	98.80457	82.80841	50.83888	68.47637	52.86561	91.76712	97.87263	97.11438	104.6266	0.020415	0.959743	-0.1226	0.759198	0.39849	0.512425	
ATSG02290	NAK	342.4043	446.0615	413.337	901.9529	888.3686	988.8661	803.041	860.9542	771.2343	260.0342	266.0668	282.8205	1.201207	2.67E-22	1.01341	9.01E-16	-0.55594	0.001022	
ATSG02310	PRTE	1094.981	877.849	873.148	403.7548	401.4552	595.1139	713.2214	786.5108	387.5597	738.8424	811.5037	712.7037	-0.97683	3.81E-05	-0.56051	0.029833	-0.30913	0.649697	
ATSG02320	ATMYB3R5	47.55616	30.33218	42.49259	68.8734	63.59686	86.72515	67.58706	75.5223	67.36097	39.34096	51.88302	40.40035	0.783721	0.002898	0.738035	0.007875	0.080195	0.906687	
ATSG02330	ATSG02330	2.377808	0	0	0	0.662467	0	0	0	0	0	0	0	-0.24088	NA	-0.35162	NA	-0.34611	NA	
ATSG02340	ATSG02340	0	1.784246	0	0.412416	0	0	1.778607	1.07889	0	0	0.959536	0	-0.22669	NA	0.227233	NA	-0.08521	NA	
ATSG02350	ATSG02350	0	1.784246	1.287654	0.412416	0.662467	0.996841	0.889303	0	0	0	0	0	-0.13112	NA	-0.32579	NA	-0.103	NA	
ATSG02360	ATSG02360	0	0	0	0.662467	0	0	1.07889	0	0	0	0	0	0.098648	NA	0.150881	NA	0	NA	
ATSG02370	ATSG02370	41.61164	53.52738	50.21852	56.50093	52.99738	58.81361	55.13682	60.41784	35.14486	72.92471	65.18636	67.33392	0.208934	0.499603	0.056985	0.883074	0.490436	0.239857	
ATSG02380	MTZ8	1276.883	1381.006	1456.337	2079.399	2114.596	1430.467	1140.976	1112.336	2297.107	1946.898	2221.658	1525.89	0.430775	0.124676	0.138606	0.685739	0.446867	0.285837	
ATSG02385	ATSG02385	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
ATSG02390	ATSG02390	0	5.352738	2.575309	0.824831	1.987402	1.993682	0.889303	2.15778	0.976246	2.878607	1.330334	3.10772	-0.32797	0.617124	-0.39625	0.618301	0.035843	NA	
ATSG02400	PLL2	22.58917	21.41095	23.17778	18.5587	7.949607	14.95261	16.00746	12.94668	7.809968	20.15025	14.63367	21.75404	-0.593	0.182233	-0.74971	0.110833	-0.20719	0.822249	
ATSG02410	ATSG02410	161.6909	153.4452	169.9704	188.0615	171.579	240.2386	159.1853	145.6501	106.4108	142.9708	117.0694	136.7507	0.288239	0.194981	-0.23281	0.351036	-0.27876	0.45019	
ATSG02420	SMR3	3.566712	3.568492	6.438272	8.248311	6.624673	9.968408	12.45025	8.63112	7.809968	4.796768	6.56167	9.323159	0.602768	0.308853	0.798313	0.187169	0.404639	NA	
ATSG02430	ATSG02430	48.74506	24.97944	29.61605	22.27044	17.88662	24.92102	24.01119	17.26224	18.54867	37.42189	29.26735	44.54398	-0.64752	0.071647	-0.73521	0.055397	0.085412	0.920201	
ATSG02435	ATSG02435	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA	
ATSG02440	ATSG02440	34.47821	24.97944	32.19136	30.10634	23.84882	19.93682	16.00746	15.10446	20.50117	36.46235	45.23135	36.25673	-0.27058	0.479979	-0.76851	0.040575	0.316802	0.606351	
ATSG02450	RPL36C	1186.526	984.9038	1175																

ATSG03795	ATSG03795	9.511232	1.784246	3.862963	2.062078	3.312336	1.993682	3.557214	2.15778	1.952492	0.959536	6.65167	7.251346	-0.68453	0.314566	-0.62101	0.396971	-0.07349	NA
ATSG03800	EMB175	123.646	80.29107	92.71111	59.80026	72.20893	73.76622	79.14801	93.86342	57.59851	100.7512	115.7391	98.41112	-0.53302	0.032248	-0.36562	0.188611	0.065596	0.91224
ATSG03810	ATSG03810	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	NA	0.16673	NA	0	NA
ATSG03820	ATSG03820	0	0	0	0	0	0	0.996841	1.778607	0	0	0	0	0.124069	NA	0.253321	NA	0	NA
ATSG03830	ATSG03830	147.4241	133.8185	172.5457	166.6159	176.2163	152.5166	198.3147	141.3346	202.0829	149.6876	130.3727	202.0018	0.11999	0.650275	0.245381	0.337963	0.083987	0.869056
ATSG03837	ATSG03837	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG03840	FL1	23.77808	16.05821	21.89012	15.25938	15.23675	9.968408	8.003731	10.7889	13.66744	27.82653	19.95501	20.71813	-0.52803	0.219582	-0.83068	0.064986	0.130771	0.887443
ATSG03850	SFZ82A	568.2961	431.7875	508.6235	634.7076	769.787	515.3667	439.3159	390.5582	939.1486	441.3864	560.0706	520.0251	0.328529	0.295983	0.215927	0.537535	0.00924	0.99624
ATSG03858	ATSG03858	0	0	0	0.412416	0.662467	0	0	0	0	0	0	0	0.196313	NA	0	NA	0	NA
ATSG03860	MLS	2.377808	1.784246	2.575309	1.649662	1.324935	0.996841	1.778607	6.47334	0.976246	4.797678	3.991002	2.071813	-0.39238	0.602676	-0.217498	0.799415	0.379578	NA
ATSG03870	ATSG03870	51.12287	49.95889	38.62963	46.19054	42.39791	41.86731	26.6791	34.52448	50.76479	48.93632	37.24935	51.79533	-0.08244	0.829611	-0.29977	0.411063	-0.00246	0.997319
ATSG03880	ATSG03880	1245.971	1354.243	1625.02	969.1766	989.7261	939.024	1555.392	1560.075	1778.72	1698.378	1564.473	1783.831	-0.53767	2.67E-05	0.209485	0.154587	0.253839	0.208946
ATSG03890	ATSG03890	3.566712	1.784246	3.862963	12.78488	13.91181	15.94945	9.782338	11.86779	23.4299	5.75214	6.65167	4.143626	1.543359	0.003288	1.61063	0.002807	0.439983	NA
ATSG03900	ATSG03900	860.7665	783.284	921.9605	743.1729	676.3791	752.6148	857.2886	895.4786	713.6358	804.0909	811.5037	870.1615	-0.24037	0.081347	-0.05899	0.737207	-0.04732	0.87843
ATSG03905	ATSG03905	67.76752	112.4075	105.5877	184.7622	182.841	171.4566	187.643	157.5179	188.4155	105.5489	91.79304	121.2001	0.909551	5.69E-06	0.893527	1.38E-05	0.1734	0.68855
ATSG03910	ABC29	628.9302	642.3286	670.8679	369.1119	361.7071	459.5436	666.0883	594.4684	475.4318	614.1028	622.5963	621.5439	-0.70075	3.5E-06	-0.15864	0.398819	-0.06274	0.862916
ATSG03920	ATSG03920	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0	NA	0	NA
ATSG03930	ATSG03930	0	0	0	0	0	0	0.996841	0	0	0	0	0	0.15625	NA	0	NA	0	NA
ATSG03940	ATSG03940	2125.76	2232.092	2167.122	1434.794	1430.929	1645.784	1894.216	2002.42	2101.858	2789.37	3384.37	2460.278	-0.52675	8.88E-05	-0.11967	0.478661	0.398645	0.026272
ATSG03944	ATSG03944	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG03950	ATSG03950	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0	NA
ATSG03960	IQD12	24.96698	10.70548	12.87654	11.13522	15.89921	12.95893	7.114428	7.55223	6.833722	8.635821	18.62468	18.64632	-0.27297	0.611469	-0.98912	0.052308	-0.11322	NA
ATSG03970	ATSG03970	91.5456	98.13353	99.14938	116.3012	121.2315	120.6177	103.1592	84.15342	111.292	87.31774	90.46271	81.83662	0.30397	0.144464	0.053068	0.851447	-0.14963	0.72091
ATSG03980	ATSG03980	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0	NA	0	NA
ATSG03990	ATSG03990	79.65566	80.29107	81.12222	96.09283	112.6194	115.6335	92.48756	88.46897	123.007	80.60099	90.46271	69.40574	0.405236	0.079164	0.323919	0.205238	-0.01065	0.987718
ATSG03995	ATSG03995	13.07794	7.136984	5.150617	9.897974	9.562205	5.981045	9.782338	2.15778	7.809968	16.31211	19.95501	23.82585	-0.16847	0.795364	-0.28108	0.676343	0.105494	NA
ATSG04000	ATSG04000	3.566712	1.784246	1.287654	2.062078	0.662467	0	0	1.07889	3.904984	0.959536	1.330334	4.143626	-0.46036	0.527884	-0.18789	0.824707	-0.01706	NA
ATSG04010	NSFBX	0	1.784246	2.575309	0	0	0.996841	0	2.15778	0.976246	0	0	0	-0.53744	NA	-0.12597	NA	-0.65296	NA
ATSG04020	ATSG04020	482.695	388.9656	327.0642	260.6466	305.3974	361.8532	347.7177	411.0571	372.926	282.1035	409.7429	344.9569	-0.36749	0.082351	-0.08312	0.759778	-0.20907	0.575003
ATSG04030	ATSG04030	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
ATSG04040	SDP1	668.164	570.9587	563.9926	410.3535	400.1302	444.591	539.8072	497.3683	426.6195	474.9701	553.4189	493.0915	-0.52052	0.000197	-0.29837	0.053251	-0.24638	0.283545
ATSG04045	ATSG04045	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG04047	ATSG04047	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG04050	ATSG04050	64.20081	55.31163	55.36914	36.70499	31.13596	35.88627	42.68657	37.76115	27.34389	52.77446	54.54369	52.83123	-0.72112	0.006904	-0.66517	0.021337	-0.12696	0.834254
ATSG04060	ATSG04060	279.3924	324.7328	293.5852	164.5538	182.1785	234.2576	192.0896	224.4091	129.8407	314.7277	308.6375	251.7253	-0.6154	0.004205	-0.6929	0.001576	-0.03333	0.953945
ATSG04070	ATSG04070	73.71204	78.50683	97.86173	107.228	98.04516	83.73463	107.6057	79.83786	71.26596	90.19635	91.79304	85.98024	0.212018	0.422377	0.049704	0.882221	0.092517	0.866179
ATSG04080	ATSG04080	34.47821	30.33218	43.78025	46.19054	58.95959	37.87995	79.14801	33.44559	98.60085	45.09817	45.23135	65.26211	0.353082	0.390094	0.869496	0.020585	0.460565	0.47064
ATSG04090	ATSG04090	239.9697	287.2636	310.3247	344.7794	307.3848	346.9006	416.194	387.3215	283.1113	292.6584	251.4331	303.5206	0.252389	0.206531	0.371719	0.060775	0.023457	0.963009
ATSG04110	GYR83	210.436	171.2876	169.9704	136.0971	176.8788	125.6019	164.5211	172.6224	160.1043	215.8954	212.8534	234.1149	-0.32375	0.092672	-0.15286	0.504301	-0.254816	0.41539
ATSG04120	IPSP	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	NA	0	NA	0.184979	NA
ATSG04130	GYR8M	386.3938	303.3218	346.379	262.2963	237.1633	252.2007	289.0236	291.3003	234.299	278.2653	280.7005	355.3159	-0.45893	0.06273	-0.34623	0.056417	-0.18117	0.558342
ATSG04140	GLU1	12440.69	10220.16	8248.714	2718.231	2536.587	3189.89	5139.285	6612.516	4565.903	9543.541	8995.718	9184.347	-1.83099	1.36E-27	-0.90159	2.79E-07	-0.15354	0.664564
ATSG04150	BHLH101	3.566712	5.352738	3.862963	0.824831	0.662467	0	1.778607	0	0.976246	5.75214	2.660668	3.10772	-1.36945	0.033811	-1.0549	0.126115	-0.02951	NA
ATSG04160	ATSG04160	168.8244	140.9554	133.9161	113.4143	110.632	75.7599	93.1592	97.10009	101.5296	141.0517	200.8804	134.6678	-0.33919	0.019793	-0.53945	0.020584	0.08836	0.865138
ATSG04170	CML50	370.938	315.8115	291.0099	391.3824	447.8279	368.8311	417.0833	428.3193	495.933	311.8491	307.3071	264.1562	0.299188	0.071435	0.449556	0.006312	-0.14759	0.633452
ATSG04180	ACA5	1.188904	3.568492	0	1.237247	0.662467	1.993682	0.889303	1.07889	0.976246	2.878607	5.321336	1.035907	-0.10972	0.896294	-0.21645	0.979729	-0.523828	NA
ATSG04190	PKS4	89.1678	105.2705	96.57408	30.93117	33.78583	39.87363	35.57214	37.76115	24.40615	63.32935	59.86503	75.62118	-1.43417	8.35E-10	-1.49795	1.67E-09	-0.51834	0.153001
ATSG04200	AMC9	11.88904	9.162671	34.76667	40.39174	31.8989	30.23632	18.34113	32.21612	36.46235	35.91902	21.575404	0.582867	0.152874	0.255564	0.607129	0.443431	0.528497	NA
ATSG04210	ATSG04210	2.377808	1.784246	2.575309	0.824831	1.987402	0.996841	1.778607	1.07889	5.952492	0	1.330334	1.035907	-0.39184	0.601628	-0.22057	0.975061	-0.62044	NA
ATSG04220	SVT3	204.4915	281.9109	224.0519	75.88247	321.9591	303.0396	399.2973	411.0571	275.3014	312.8086	276.7095	234.1149	-0.34934	0.108161	0.602961	0.003348	0.215513	0.565795
ATSG04230	PAL3	161.6909	167.7191	172.5457	78.79449	82.80841	83.73463	57.80473	78.07431	82.78011	132.7801	150.3277	113.9497	-1.02943	4.28E-08	-1.16482	3.08E-09	-0.36882	0.228165
ATSG04235	ATSG04235	146.2352	137.3869	115.8889	89.9066	91.42048	122.6114	110.2736	106.8101	73.21845	113.2252	95.78405	95.3034	-0.39626	0.092111	-0.44389	0.072293	-0.37496	0.309787
ATSG04238	ATSG04238	2.377808	1.784246	1.287654	0	0	0	0.889303	2.15778	0	0.959536	0	0	-0.99535	NA	-0.30517	NA	-0.65748	NA
ATSG04240	ELF6	400.6606	305.1061	251.0926	200.0216	217.9517	238.2449	252.5622	285.9058	211.8454	248.5197	282.0308	264.1562	-0.53862	0.005829	-0.34605	0.107942	-0.26589	0.430031
ATSG04250	ATSG04250	24.96698	26.76369	20.60247	68.8734	58.29712	76.57674												

ATSG04760	ATSG04760	43.98945	87.42806	63.09506	135.2723	123.2189	116.6304	130.7276	176.938	225.5128	73.88424	71.83803	75.62118	0.931927	0.000294	1.41369	1.48E-08	0.20083	0.716262
ATSG04770	CAT6	22.58917	19.62671	33.47901	21.85803	19.87402	22.92734	37.35075	35.60337	33.19236	32.62421	27.93701	17.61041	-0.23258	0.5973975	0.436835	0.270233	0.026052	0.980159
ATSG04780	PCMP-H16	28.53629	32.11643	38.62963	32.58083	38.4231	35.88627	42.68657	48.55005	42.95482	33.58375	33.25835	33.14901	0.090616	0.8104	0.408409	0.224123	0.009301	0.919594
ATSG04781	ATSG04781	11.88904	10.70548	16.73951	35.05532	21.86142	21.9305	25.7898	34.52448	18.54867	23.98839	10.64267	20.71813	0.878912	0.039492	0.844102	0.062753	0.420096	0.602399
ATSG04790	ATSG04790	5.94452	3.568492	7.725926	9.073143	9.937009	2.990522	5.335821	3.23667	1.952492	7.676285	13.30334	8.287527	0.28921	0.688122	-0.49675	0.477619	0.534777	NA
ATSG04800	RPS17D	555.2181	547.7635	667.0040	590.1667	655.8426	483.4678	452.9764	438.0293	658.966	629.4554	699.7557	539.7073	-0.0138	0.9690224	-0.21191	0.381007	0.074384	0.874886
ATSG04810	PPR4	901.1892	899.26	928.3988	522.5305	458.4274	543.2782	879.5211	994.7365	755.6144	961.4547	929.9034	1008.973	-0.83176	6.04E-11	-0.05352	0.769244	0.087288	0.754476
ATSG04820	OP13	49.93397	78.50683	61.80741	65.16166	64.92179	59.81045	51.5796	49.62894	86.88589	68.12703	55.87403	68.36983	0.020528	0.956657	0.003803	0.929445	0.040084	0.957855
ATSG04830	ATSG04830	417.3053	460.3355	446.8161	848.3388	879.0941	752.6148	769.2475	627.9139	963.5548	516.2302	564.0616	518.9892	0.89133	1.77E-08	0.820591	3.32E-07	0.266977	0.331885
ATSG04840	ATSG04840	17.83356	21.41095	27.04074	22.27044	15.89921	19.93682	23.12189	16.18335	19.52492	21.10978	26.60668	21.75404	-0.16063	0.726457	-0.14554	0.775265	0.053755	0.957775
ATSG04850	VPS60.2	214.0027	351.4965	377.2827	391.7948	410.0672	396.7426	411.7475	427.2404	436.382	361.7449	348.5475	323.2028	0.344073	0.081498	0.431557	0.030333	0.135219	0.725981
ATSG04853	ATSG04853	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG04860	ATSG04860	87.97889	85.64381	91.42346	155.0683	118.5816	151.5198	96.93408	92.78453	74.1947	80.60099	98.44471	90.12387	0.662377	0.001539	-0.00831	0.979308	0.012336	0.985341
ATSG04870	CPK1	429.1943	380.0444	441.6654	397.1562	378.9313	484.4646	397.5187	427.2404	355.3535	339.6756	341.8958	360.4955	0.001333	0.995901	-0.08726	0.653286	-0.26304	0.274581
ATSG04880	ATSG04880	83.2328	98.13353	106.8753	122.8998	137.1307	136.5672	151.1816	138.0979	131.7932	66.20796	81.15037	75.62118	0.448198	0.024364	0.539509	0.008096	-0.36251	0.284756
ATSG04885	ATSG04885	227.0807	187.3458	208.6	275.4936	323.9465	283.1028	297.0274	344.1659	291.8976	231.2481	182.2558	188.35	0.485875	0.003392	0.563776	0.000785	-0.05046	0.903465
ATSG04890	RTM2	45.17835	23.1952	51.50617	17.73387	24.51129	20.93366	20.45398	24.81447	40.02609	41.26003	37.24935	52.83123	-0.88208	0.013073	-0.47677	0.238547	0.102826	0.900456
ATSG04895	ATSG04895	11.00568	51.74313	57.94445	77.99445	67.99756	63.59686	83.73463	84.48383	89.54786	42.95482	62.36982	58.53469	0.039212	0.925953	0.02231	0.960593	-0.2435	0.695407
ATSG04900	NOL	212.8138	205.1883	280.7086	207.445	192.1155	199.3682	259.6762	229.8036	196.2254	371.3403	299.3251	311.8079	-0.22114	0.271933	-0.02995	0.90839	0.47994	0.050531
ATSG04910	ATSG04910	156.9353	201.6198	186.7099	242.0879	268.2992	250.207	191.2002	220.0935	245.0337	196.7048	184.9164	156.4219	0.478481	0.060687	0.268686	0.17911	-0.01086	0.983814
ATSG04920	VPS36	477.9394	437.1403	485.4457	535.3154	502.8127	527.3288	501.5672	529.735	584.7714	452.9008	323.2712	431.973	0.156213	0.356838	0.200845	0.245628	-0.20666	0.318574
ATSG04930	AL1	813.2103	656.6025	521.5	818.6449	803.5728	982.885	900.8664	1043.287	634.5599	411.6408	429.6979	389.5009	0.374895	0.086936	0.361349	0.115222	-0.6746	0.011024
ATSG04940	SUVH1	181.9023	176.6404	169.9704	112.177	108.6446	141.5514	122.7239	128.3879	122.0307	120.9015	130.3727	142.9551	-0.54946	0.001758	-0.49247	0.00854	-0.4148	0.116897
ATSG04950	NAS1	165.2576	94.56504	117.1765	94.03075	88.10815	86.72515	84.48383	92.78453	54.66978	140.0922	102.4357	142.9551	-0.47684	0.072065	-0.68376	0.010813	0.024297	0.972822
ATSG04960	PME46	0	1.784246	0	0	0	0	0	0	0	0	1.330334	0	-0.27254	NA	-0.25305	NA	-0.03925	NA
ATSG04970	PME47	1.188904	0	1.287654	0	0.662467	0	0.889303	0	0.976246	1.919071	1.330334	1.035907	-0.44784	NA	-0.1238	NA	0.264123	NA
ATSG04980	ATSG04980	54.68958	64.23286	59.2321	62.68717	79.49607	70.7757	66.69776	72.28563	47.83605	72.92471	55.87403	64.2262	0.248072	0.381852	0.07081	0.844351	0.126618	0.827753
ATSG04990	SUN1	282.9591	297.9691	244.6543	230.1279	213.9769	242.2323	226.7724	263.2491	254.8002	239.8839	210.1928	225.8276	-0.26092	0.101313	-0.14382	0.437046	-0.27613	0.257797
ATSG05000	TOC34	192.6024	196.2671	163.5321	224.7665	245.1129	160.4914	180.5286	180.1746	247.9665	160.2424	158.3097	210.8279	0.194576	0.44269	0.137721	0.627119	-0.05683	0.918298
ATSG05010	ATSG05010	1411.2219	1393.496	1390.667	1238.484	1118.907	1414.517	1221.903	1403.636	882.5264	1449.858	1225.238	1253.447	-0.15144	0.456647	-0.25337	0.201398	-0.0924	0.806773
ATSG05020	ATSG05020	0	0	0	0	0	0	0	0	0	0.959536	1.330334	1.035907	0	NA	0	NA	0.604134	NA
ATSG05025	ATSG05025	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG05030	ATSG05030	0	0	0	0	0	0	0.889303	0	0.976246	0	0	0	0.309898	NA	0	NA	0	NA
ATSG05040	ATSG05040	5.94452	14.27397	10.30123	15.25938	16.56168	30.90206	5.335821	10.7889	14.64369	7.676285	14.63367	7.251346	0.879266	0.080402	0.027545	0.969451	-0.03358	0.943884
ATSG05050	ATSG05050	0	0	0	0	0	0	0	0	0.959536	1.330334	0	0	0	NA	0	NA	0.366448	NA
ATSG05060	ATSG05060	150.9908	210.541	190.5728	383.5465	361.7071	365.8406	242.7799	222.2513	301.66	170.7973	159.6401	135.7038	0.999649	5.09E-09	0.473591	0.013674	-0.22848	0.503812
ATSG05070	PAT03	0	0	0.95887	0	0	0	0.889303	0	0	0	0	0	0	NA	0	NA	0	NA
ATSG05080	UBC22	533.8179	570.9587	554.979	531.1913	525.3365	493.4362	453.5448	497.3683	533.0303	603.5479	538.7853	538.6714	-0.09352	0.516706	-0.15905	0.266972	0.02166	0.947744
ATSG05090	ATSG05090	155.7464	151.6609	117.1765	89.08176	96.05775	92.70619	67.58786	78.75897	77.12343	117.0633	107.7571	74.58527	-0.89522	0.000047	-0.89522	0.000047	-0.48661	0.132158
ATSG05100	ATSG05100	404.2273	476.3937	437.8025	607.0757	480.2888	552.2498	483.7811	529.735	418.8095	382.8547	280.7005	353.2441	0.313609	0.073202	0.119801	0.517211	-0.35979	0.1573
ATSG05110	CYS7	243.7253	258.7157	263.9691	413.2404	352.4326	385.7774	416.194	428.3193	405.1421	313.7682	309.9678	258.9766	0.6967	6.02E-07	0.582809	2.87E-05	0.200504	0.43392
ATSG05113	ATSG05113	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG05120	ATSG05120	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG05130	ATSG05130	46.36725	26.76369	48.93086	23.50769	19.87402	31.8989	14.22886	44.23449	33.19236	38.38143	18.62468	37.29264	-0.65229	0.118058	-0.39465	0.405773	-0.33098	0.667773
ATSG05140	MED26B	174.7689	221.2465	145.5049	216.9306	211.3271	249.2102	317.4813	319.3514	273.3489	175.595	228.8174	228.9353	0.321932	0.11021	0.743521	6.72E-05	0.227853	0.511052
ATSG05150	ATG18E	1.188904	0	0	0.412416	0	0	0	0	0	0	0	0	-0.19056	NA	-0.19067	NA	-0.18704	NA
ATSG05160	ATSG05160	101.0568	73.15409	108.163	42.89122	39.08557	44.85784	54.24751	67.97007	37.09735	92.11542	103.766	80.80071	-1.12012	6.06E-06	-0.80665	0.00223	-0.04486	0.946708
ATSG05170	CESA3	5208.588	4176.92	3698.143	1542.022	1327.584	2091.372	1772.382	2137.281	1388.222	3513.819	3305.88	3329.404	-1.36115	1.75E-12	-1.26805	6.67E-11	-0.35637	0.274581
ATSG05180	ATSG05180	224.7028	158.7979	212.463	113.0019	130.5061	142.5482	111.1629	108.9679	110.3158	213.9764	235.4691	202.0018	-0.63801	0.003064	-0.84237	4.63E-06	0.111235	0.770459
ATSG05190	Y-1	89.1678	98.13353	88.84815	148.882	127.1937	166.474	111.1629	131.6246	121.0545	70.0461	67.84703	60.08258	0.664266	0.000758	0.390022	0.082552	-0.4586	0.166225
ATSG05200	ATSG05200	2167.372	2731.681	2512.214	1858.345	1874.782	2194.047	3209.496	3261.484	2048.164	3338.224	3508.091	2687.142	-0.31447	0.128131	0.196574	0.395576	0.354755	0.237124
ATSG05210	ATSG05210	368.5602	347.928	355.3926	339.0056	343.158	307.027	305.204	336.6137	480.313	248.5197	287.3521	338.7414	-0.1119	0.63116	0.064295	0.80873	-0.28757	0.372517
ATSG05220	ATSG05220	0	0	0	3.71														

ATS050700	ATE1	361.4268	367.5547	363.1185	302.3006	263.662	320.9827	349.4963	309.6414	306.5412	338.7161	435.0192	363.6032	-0.29795	0.058081	-0.17301	0.335736	0.05345	0.879935
ATS050710	ATS050710	57.06739	51.74313	60.51975	58.1506	58.95959	37.87995	33.79533	39.91893	72.2422	55.65307	58.53469	52.83123	-0.10557	0.785895	-0.20677	0.597311	-0.02506	0.977475
ATS050720	ATS050720	0	0	0	0.412416	1.324935	0	1.778607	1.07889	0.972646	0	0	0	0.339566	NA	0.668776	NA	0	NA
ATS050730	ASA1	458.9169	390.7499	387.584	818.6449	807.5476	888.1851	1123.19	1212.672	1062.156	334.8779	389.7879	347.0287	1.006151	9.71E-17	1.437717	1.92E-33	-0.21244	0.343109
ATS050740	EGY2	759.7096	777.9313	830.5371	543.5637	504.1376	554.2435	763.9117	836.1397	686.3009	973.9287	901.9664	926.1004	-0.55976	1.23E-06	-0.05117	0.751531	0.24119	0.182992
ATS050750	ATS050750	324.5708	321.1643	383.721	351.7905	374.294	362.85	412.638	434.7926	333.8761	274.4272	258.0848	302.4847	0.076774	0.686358	-0.192732	0.280889	-0.29716	0.223515
ATS050760	VP31	49.93397	57.09587	83.69753	101.8666	84.79581	110.6493	88.04104	92.78453	57.59851	64.28889	45.23135	62.15439	0.604284	0.028949	0.300806	0.357876	-0.13676	0.831384
ATS050770	WOX7	0	0	0	0	0	0.996841	0	0	0	0	0	0	0.15625	NA	0	NA	0	NA
ATS050780	RPN8A	577.8073	635.1916	606.4852	690.7961	597.5455	658.9118	556.704	616.0462	602.3438	572.8428	548.0976	557.3177	0.100879	0.461778	-0.03375	0.839337	-0.11218	0.621889
ATS050790	ATS050790	36.85602	42.8219	37.34198	25.98218	23.18635	22.92734	22.23259	19.42002	20.50117	29.7456	45.23135	49.72351	-0.63166	0.052018	-0.83	0.016307	0.089114	0.905632
ATS050795	ATS050795	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATS050800	LIMYB	331.7042	415.7293	357.9679	310.9613	351.1077	339.9227	337.9353	339.8503	318.2562	381.8952	371.1632	385.3572	-0.13561	0.379979	-0.14057	0.395368	0.050777	0.874847
ATS050810	ATL43	15.45575	8.92123	9.01358	11.54764	9.274542	9.968408	10.67164	16.18335	8.786214	14.39303	6.65167	13.46678	-0.11142	0.855280	0.047136	0.944443	0.043578	NA
ATS050820	ATS050820	172.3911	126.6815	141.642	79.59621	106.6572	104.6683	72.92289	97.10009	87.86214	106.5085	118.3997	107.7343	-0.60516	0.004002	-0.76325	0.000427	-0.40636	0.220081
ATS050830	ATS050830	123.646	151.6609	182.8469	117.126	119.9066	109.6525	98.71269	108.9679	130.817	176.5546	191.5681	161.6014	-0.38637	0.060957	-0.42403	0.051183	0.20430	0.576668
ATS050840	ATS050840	24.96698	37.46917	48.93086	10.31039	14.57428	4.984204	13.33955	16.18335	11.71495	21.10978	33.25835	36.25737	-1.63115	2.24E-05	-1.26829	0.001828	-0.26903	0.729971
ATS050850	PIRL1	86.78999	94.56504	75.97161	66.39891	58.95959	61.80413	80.03731	77.68008	64.43224	59.49121	74.4987	47.6517	-0.4303	0.076101	-0.19612	0.496833	-0.48915	0.181771
ATS050860	UGT76C2	185.469	174.8561	166.1074	56.91335	79.49607	60.80729	102.2699	97.10009	108.3633	139.1327	127.7121	161.6014	-1.38542	9.09E-14	-0.75488	0.000113	-0.28648	0.376638
ATS050870	UGT76C1	146.2352	155.2294	155.8062	89.08176	95.39529	83.73463	87.15174	118.6779	93.71962	151.6066	134.3637	126.3806	-0.7454	5.25E-05	-0.59946	0.002344	-0.14102	0.712278
ATS050880	UGT76C4	5.94452	3.568492	1.287654	4.124156	1.987402	0.996841	2.66791	5.39445	3.904984	3.881143	7.982004	4.143626	-0.3194	0.669558	0.072089	0.934227	0.337172	NA
ATS050890	UGT76C5	98.67903	110.6233	122.3272	23.09527	31.13596	32.89575	60.47264	51.78672	72.2422	139.1327	167.6221	128.4524	-1.88076	1.7E-16	-0.81061	0.000581	0.379536	0.28555
ATS050900	UGT76C3	0	0	0	0	0	0	0	0.976246	0	0	0	0	0.16673	NA	0	NA	0	NA
ATS050910	ATS050910	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
ATS050920	DHS	83.22328	90.99655	75.97161	94.03075	88.10815	83.73463	80.03731	96.0212	83.95713	64.28889	87.80204	103.5907	0.098005	0.732046	0.056909	0.861199	0.031666	0.96026
ATS050930	GC1	316.2484	376.4759	345.0914	304.7751	357.0699	280.1123	307.9366	325.8248	350.4723	383.8143	368.5025	347.0287	-0.12964	0.452801	0.019136	0.929433	0.087227	0.784151
ATS050940	ROPGEF5	43.98945	57.09587	45.0679	54.43886	47.69764	42.86415	65.80846	62.57562	33.19236	71.96517	91.79304	56.97486	0.011536	0.977989	0.147427	0.715626	0.563145	0.227602
ATS050945	ATS050945	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATS050950	MEE60	89.1678	73.15409	109.4506	123.7247	113.2819	84.73147	112.9415	103.5734	143.5082	97.87263	71.83803	114.9856	0.235969	0.410144	0.379249	0.180938	0.061939	0.922577
ATS050960	ATS050960	64.20081	32.11643	57.94445	73.94223	35.11077	16.94629	31.12562	22.65669	37.09735	71.00564	59.86503	49.72351	-0.69968	0.044975	-0.71599	0.053708	0.193283	0.784887
ATS050965	ATS050965	0	0	0	3.299235	2.649869	3.987363	5.35821	1.07889	0	0.995366	2.660668	2.071813	1.201817	0.058282	0.854168	0.214669	0.732378	NA
ATS050970	NEDD1	123.646	121.3287	133.9161	97.33008	92.08295	90.71251	91.59826	86.3112	74.1947	122.8206	117.0694	117.0574	-0.42272	0.025943	-0.57434	0.003693	-0.0848	0.845159
ATS050980	FPG51	379.2604	381.8287	348.9543	318.7972	320.6342	394.7489	392.1828	409.9782	303.6125	388.6119	328.5925	355.3159	-0.10546	0.594913	-0.00492	0.983659	-0.04526	0.911886
ATS050985	ATS050985	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATS050987	PRA1A2	39.23383	71.36984	65.67037	122.075	107.3197	98.68724	77.3694	102.0495	93.71962	47.97678	47.89202	53.86714	0.893818	0.000219	0.625329	0.01837	-0.2005	0.709667
ATS050990	ATS050990	76.08985	99.91778	122.3272	94.03075	98.70762	93.70303	75.5908	73.36452	105.4346	100.7512	111.7481	94.26749	-0.05248	0.861966	-0.21727	0.445932	0.03882	0.950277
ATS050600	EIF3G2	26.15589	21.41095	19.31482	32.99325	28.48609	25.91786	15.11816	16.18335	35.14486	16.31211	26.60668	36.25673	0.3511	0.43853	-0.01661	0.977405	0.203461	0.818128
ATS050610	ATS050610	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATS050620	ATS050620	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATS050630	ATS050630	0	0	0	0	0	0	0	0	0.976246	0	0	0	0	NA	0.16673	NA	0	NA
ATS050640	ATS050640	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATS050643	ATS050643	0	0	0.412416	0.662467	0	0	0	0	0	0.959536	0	1.035907	0.223894	NA	0	NA	0	3.74818
ATS050650	ATS050650	162.8798	162.3664	148.0802	138.5716	133.8184	144.5419	125.3918	140.2557	125.9357	159.2829	151.6581	178.1759	-0.18101	0.335717	-0.26893	0.166611	0.051411	0.899711
ATS050660	ATS050660	533.8179	660.171	718.5111	688.734	770.4494	688.817	768.3582	735.8029	750.7332	833.8365	854.0744	649.5134	0.166586	0.343383	0.235634	0.181634	0.285514	0.241584
ATS050670	RBE	0	0	0	1.287654	2.062708	1.324935	1.993682	0	0.972646	0	0	0.135907	0.655053	NA	-0.0969	NA	-0.06765	NA
ATS050680	LBD33	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATS050690	GPAT7	0	0	0	1.237247	0.662467	0	0.889303	1.07889	0.976246	0	0	1.035907	0.389318	NA	0.50973	NA	0.177355	NA
ATS050610	MYB33	70.0133	148.0924	133.9161	167.0283	184.1659	151.5198	210.7649	175.891	155.2231	154.4852	176.9344	142.9551	0.150835	0.500746	0.254566	0.25072	0.060032	0.89704
ATS0506110	ATS0506110	826.2882	704.7772	807.3593	716.3659	577.8626	628.0097	759.4652	756.3018	856.1677	618.9005	674.4793	690.9497	-0.15222	0.294192	0.0173	0.927005	-0.23809	0.249625
ATS0506120	ATS0506120	461.2947	415.7293	386.2963	299.4137	274.2615	320.9827	395.74	392.7159	244.0615	380.9356	333.9138	385.3572	-0.48833	0.011923	-0.28477	0.190851	-0.19363	0.589724
ATS0506125	ATS0506125	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATS0506130	ATS0506130	447.0279	467.4725	491.884	458.1937	519.3743	472.5025	575.3794	603.0995	555.484	533.5018	565.3919	512.7737	0.042994	0.783658	0.299089	0.019077	0.193334	0.33453
ATS0506140	SNX1	695.5088	735.1094	736.5383	710.1796	798.2731	786.5074	812.8234	790.8263	856.1677	844.9134	1004.402	711.6678	0.080609	0.646714	0.181042	0.277098	0.235523	0.310326
ATS0506150	CYCB1-2	187.8468	180.2088	216.3259	261.4715	273.599	332.9448	257.898	279.5425	243.0853	329.1207	372.4935	240.3303	0.546963	0.004901	0.402194	0.056523	0.664413	0.005677
ATS0506160	ATO	215.1916	217.678	220.1889	275.906	287.5108	288.087	208.097	267.5647	311.4225	236.0458	227.4871	196.8222	0.374174	0.037394	0.261668	0.1911	0.015147	0.976814
ATS0506165	ATS0506165	3.566712	3.568492	3.862963	8.660727	7.949607	6.977885	4.446517	3.2										

ATS07570	ATS07570	2.377808	3.568492	7.725926	1.237247	1.324935	0	2.66791	2.15778	0.976246	3.838143	11.97301	5.179533	-1.2075	0.060871	-0.70663	0.329912	0.426792	NA
ATS07571	ATS07571	0	0	0	0.412416	0	0	0	0	0	0.959536	0	0	0.066171	NA	0	NA	0.145274	NA
ATS07572	ATS07572	0	0	1.287654	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
ATS07580	ERF106	389.9605	519.2156	494.4593	773.6916	779.0615	701.7759	874.1853	901.952	1719.169	470.1725	506.8572	586.3231	0.658972	0.006627	1.267531	3.26E-08	0.150727	0.767369
ATS07590	ATS07590	104.6235	92.78079	106.8753	77.12171	76.18374	66.78833	56.91542	55.02339	69.31347	76.76285	97.11438	71.47752	-0.44884	0.042914	-0.72759	0.001404	-0.31779	0.395279
ATS07600	ATS07600	2.377808	3.568492	1.287654	0.412416	0	0	0	0	0	1.919071	1.330334	3.10775	-1.12162	0.077089	-1.12663	0.071038	-0.01925	NA
ATS07610	ATS07610	59.4452	89.2123	88.84815	74.7438	86.78321	91.70935	77.3694	96.0212	109.3396	56.6126	77.15937	49.72351	0.088239	0.784617	0.250912	0.409432	-0.35669	0.43068
ATS07620	ATS07620	35.66712	64.23286	39.91728	24.24943	20.53649	37.87995	64.91915	65.81229	19.52492	36.4235	66.46235	47.26525	-0.66253	0.125749	0.109136	0.84626	-0.03624	0.975744
ATS07625	ATS07625	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATS07630	ATS07630	202.1137	226.5992	269.1198	231.3651	220.6016	241.2355	270.3483	260.0125	197.2017	214.936	194.2288	226.8635	-0.01079	0.96522	0.059526	0.810278	-0.12788	0.72919
ATS07640	ATS07640	5.94452	14.27397	7.725926	10.31039	15.89921	20.93366	12.45025	3.23667	18.90968	11.51443	17.29434	7.251346	0.628913	0.25062	-0.13843	0.848752	0.309448	NA
ATS07650	FH15B	3.566712	17.136984	1.287654	9.073143	11.92441	11.96209	3.557214	3.23667	6.833722	2.878607	2.660668	3.10772	1.170307	0.041545	0.164049	0.839311	-0.24118	NA
ATS07660	SMC6A	35.66712	28.54794	42.49259	26.3946	24.51129	40.87047	36.46144	39.91893	24.40615	55.65307	53.21336	52.83123	-0.25727	0.484389	-0.09493	0.831565	0.549717	0.263418
ATS07670	ATS07670	208.0582	262.2842	233.0654	233.4272	250.4126	208.3397	262.3445	254.618	257.7289	249.4793	231.4781	247.5817	-0.00825	0.968713	0.146794	0.427964	0.061246	0.86482
ATS07675	ATS07675	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATS07680	ANAC080	8.322328	8.92123	3.862963	16.90904	15.89921	19.93682	19.56468	18.34113	8.786214	3.838143	14.63367	5.179533	1.071137	0.033977	0.918893	0.092454	0.067252	NA
ATS07685	ATS07685	0	1.784246	1.287654	0	0	0	0	0	0.976246	0.959536	1.330334	1.035407	-0.63824	NA	-0.32953	NA	0.095244	NA
ATS07690	MVB29	661.0306	372.9074	535.6642	186.4118	147.7302	151.5198	161.8532	152.1235	133.7457	570.9237	588.0076	676.447	-1.64369	1.29E-17	-1.76085	2.4E-19	0.214726	0.563977
ATS07700	MVB76	51.12287	35.68492	51.50617	19.79595	20.53649	31.8989	22.23259	24.81447	16.59618	77.72239	62.5257	36.25673	-0.90799	0.008856	-1.03252	0.004666	0.318342	0.612836
ATS07710	NEN1	67.76752	92.78079	95.28642	129.4985	124.5438	112.643	80.92662	78.75897	62.47974	83.4796	42.57069	75.62118	0.514342	0.043242	-0.18655	0.560871	-0.30031	0.521684
ATS07720	GT3	41.61164	14.27397	29.61605	12.37247	9.274542	16.94629	17.78607	17.26224	7.809968	39.34096	27.93701	34.18492	-1.07003	0.008962	-0.90349	0.040754	0.201224	0.815892
ATS07730	ATS07730	41.61164	37.46917	48.93086	64.74925	77.50867	70.7757	87.15174	50.70783	83.95716	39.34096	45.23135	41.43626	0.683637	0.014005	0.479764	0.009083	-0.03837	0.961629
ATS07740	FH20	649.1416	410.3766	409.4741	365.4002	340.5082	410.6984	394.8507	484.4216	307.5175	396.2882	369.8328	395.7163	-0.38928	0.084073	-0.30312	0.215428	-0.33119	0.346439
ATS07760	FH21A	14.26685	16.05821	14.1642	39.17948	29.81103	35.88627	16.89677	15.10446	11.71495	12.47396	14.63367	9.232159	1.151774	0.002092	-0.01708	0.977125	-0.25605	0.77299
ATS07770	FH16	280.5813	239.089	225.3395	647.9049	608.145	667.8833	308.5883	320.4303	182.558	213.0169	180.9254	205.1095	1.330883	2.92E-12	1.16815	0.665353	-0.30465	0.390399
ATS07780	FH19	4.755616	17.136984	5.150617	33.81808	35.77323	26.9147	8.893035	8.63112	7.809968	0.959536	2.660668	1.035907	2.226472	8.12E-07	0.454783	0.464464	-1.05479	NA
ATS07790	ATS07790	120.0793	135.6027	127.4778	139.3965	144.4179	130.5861	115.6095	118.6779	93.71962	124.7396	126.3817	131.5601	0.121145	0.570785	-0.21406	0.331245	0.004295	0.993182
ATS07800	ATS07800	48.74506	37.46917	51.50617	30.10634	26.49869	22.92734	23.12189	30.20892	17.71495	68.12703	65.18636	53.86714	-0.73229	0.021203	-1.01839	0.002277	0.407988	0.434126
ATS07810	ATS07810	40.92273	51.74313	37.34198	52.37678	35.77323	44.85784	34.68284	47.47116	25.3824	39.34096	34.58868	43.50807	0.063265	0.857073	-0.24193	0.535103	-0.11017	0.880097
ATS07820	ATS07820	137.9129	167.7191	151.9432	178.9884	248.4252	194.384	176.9714	147.8079	198.1779	128.5778	166.2917	140.8833	0.435715	0.036271	0.195401	0.432525	-0.06865	0.889374
ATS07830	AtGSU2	301.9816	376.4759	323.2012	681.3105	626.694	643.9591	539.8072	505.9994	505.6954	272.5081	282.0308	275.5511	0.963308	5.42E-16	0.633869	4.32E-07	-0.2599	0.217892
ATS07840	ATS07840	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATS07842	CPuORF16	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATS07850	ATS07850	0	0	0	0.412416	0	0	0.889303	0	0	0	0	0	0.066991	NA	0.136991	NA	0	NA
ATS07860	ATS07860	203.3026	219.4623	262.6815	209.0947	227.2263	235.2544	278.352	280.5114	298.7313	293.6179	284.6915	271.4075	-0.03647	0.855667	0.317439	0.052748	0.30449	0.19322
ATS07870	ATS07870	229.4585	219.4623	235.6407	244.415	232.526	286.0933	249.8943	231.9613	164.9856	243.722	227.4871	212.3608	0.145918	0.496531	-0.08108	0.745265	-0.00324	0.995165
ATS07880	SNAP29	0	0	0	1.237247	1.987402	0.996841	5.57214	0	1.954292	2.878607	0	3.10772	0.606567	0.364634	0.777829	0.245972	0.836749	NA
ATS07890	ATS07890	164.0687	198.0153	185.4222	154.6558	210.6646	162.485	226.7724	188.8057	214.7741	201.5025	167.6221	188.353	-0.04761	0.845302	0.206588	0.350036	0.035842	0.942399
ATS07900	ATS07900	154.5575	98.13353	106.8753	55.6761	78.17114	60.80729	76.4801	77.68008	77.12343	105.5489	129.0424	114.9856	-0.87172	0.001021	-0.62648	0.010225	-0.05646	0.921879
ATS07910	ATS07910	252.0476	260.4999	281.9963	363.7505	527.3239	348.8943	488.2726	366.8226	425.6433	302.2537	291.3431	282.8205	0.627283	0.000931	0.672993	0.000455	0.137422	0.7301
ATS07920	DKG1	236.5919	174.8561	203.4494	157.1303	141.1055	196.3776	192.9789	195.2791	153.2706	162.1615	162.3007	175.0682	-0.32495	0.019516	-0.12493	0.422203	-0.30002	0.349068
ATS07930	MCT2	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	0	0	0	0	0
ATS07940	ATS07940	457.728	353.2807	330.9272	237.5514	210.0021	342.9132	330.8209	340.9292	214.7741	302.2537	316.6195	335.6337	-0.52105	0.027155	-0.35463	0.171466	-0.25165	0.505223
ATS07950	ATS07950	63.01191	48.17464	59.2321	133.2102	117.2567	124.6051	120.056	171.20674	80.05217	88.27728	69.17737	76.65708	1.080061	6.22E-06	0.62026	0.017944	-0.426723	0.308305
ATS07960	ATS07960	128.4016	142.7397	149.3679	258.997	323.284	236.2513	224.1045	171.5435	346.6753	138.1731	145.0064	184.3914	0.92289	0.000175	0.786264	0.002148	0.147014	0.788538
ATS07970	ATS07970	40.0606	339.0067	298.7325	254.4602	207.3523	313.008	378.8433	376.5326	179.6293	193.6179	324.6015	326.3106	-0.40761	0.140736	-0.14535	0.664318	-0.13181	0.816067
ATS07980	ATS07980	292.4704	196.2671	202.1617	146.4075	115.9318	163.4819	177.8607	208.2258	135.6982	187.1094	238.1298	187.4991	-0.68341	0.002682	-0.39841	0.115937	-0.17707	0.697022
ATS07990	CYP75B1	7.133424	5.352738	9.01358	8.660727	7.28714	8.971567	5.335821	6.47334	2.928738	14.39303	15.96401	15.53986	0.140051	0.828888	0.140051	0.493167	0.890222	NA
ATS08000	PDCB2	153.3686	148.0924	117.1765	144.3455	142.4305	153.5135	122.7239	155.3602	148.3894	195.7453	188.9074	159.5296	0.069815	0.770222	0.024716	0.928311	0.371645	0.19523
ATS08010	ATS08010	181.9023	192.6988	187.9975	114.3291	129.8436	137.564	152.9602	165.0702	149.3655	213.9764	208.8624	210.289	-0.56213	0.000388	-0.26177	0.152718	0.17123	0.561887
ATS08020	RPA1B	90.35667	82.07532	87.5605	45.36571	57.63465	60.80729	51.5796	56.1211	75.80313	67.84703	80.80071	80.80071	-0.66747	0.004866	-0.8655	0.000485	-0.20292	0.661433
ATS08030	GDDP6	36.85602	44.60615	52.79383	18.5587	19.21155	24.92102	4.446518	8.63112	0.972646	33.56875	35.91902	54.90305	-1.02824	0.003028	-2.72464	1.05E-11	-0.50902	0.914481
ATS08040	TOM5	78.46756	55.31163	61.67401	129.49														

ATSG08480	VQ31	7.133424	7.136984	9.01358	6.186234	11.92441	4.984204	8.893035	8.63112	9.76246	8.635821	18.62468	11.39497	-0.01996	0.977208	0.169901	0.809949	0.557516	NA
ATSG08490	PCMP-E32	10.70014	12.48972	10.30123	10.7228	2.649869	12.95899	19.56468	20.49891	4.88123	12.47396	15.96401	10.35907	-0.28399	0.656494	0.344248	0.598901	0.163813	NA
ATSG08500	ATSG08500	299.6038	285.4794	316.763	299.8261	327.2588	380.7932	388.6256	345.2448	260.6577	317.6063	230.1478	272.4434	0.150092	0.502377	0.136887	0.569149	-0.13073	0.742849
ATSG08505	ATSG08505	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
ATSG08510	PCMP-E20	58.25629	42.8219	52.79383	74.64272	96.05775	83.73463	61.36194	78.75897	84.9334	64.28889	59.86503	55.93985	0.673341	0.00667	0.502738	0.066923	0.199036	0.701342
ATSG08520	ATSG08520	5153.6065	503.1574	497.0346	473.0407	400.1302	482.4709	485.5597	482.2638	434.9236	467.2939	627.9176	493.0915	-0.157884	0.357871	-0.10895	0.569938	0.063862	0.855952
ATSG08530	C151	1748.878	1596.9	1404.831	1258.28	1183.829	1388.599	1251.25	1385.295	1588.352	1357.743	1287.763	1520.711	-0.30755	0.03747	-0.1673	0.319553	-0.18642	0.458888
ATSG08535	ATSG08535	48.74506	74.93833	50.21852	91.14384	96.72022	103.6714	72.03358	75.5223	102.5058	68.12703	43.90102	70.44164	0.731379	0.004677	0.521992	0.067351	0.102696	0.875045
ATSG08540	ATSG08540	731.1759	645.8971	647.6901	595.5281	636.631	610.0666	692.7674	631.1506	744.8757	812.7267	775.5847	683.6983	-0.13755	0.339112	0.029296	0.871795	0.16232	0.470864
ATSG08550	ILP1	219.9472	194.4828	167.3951	139.3965	98.04516	160.4914	153.8495	153.2024	116.1733	149.6876	162.3007	133.6319	-0.53813	0.01538	-0.4453	0.06182	-0.37593	0.288581
ATSG08560	ATSG08560	470.806	426.4348	455.8296	432.2115	347.1329	429.6384	463.3271	487.6583	376.831	376.138	368.5025	422.6499	-0.16219	0.357051	-0.0293	0.895119	-0.21072	0.439791
ATSG08565	ATSG08565	14.26685	24.79744	23.17778	34.64291	31.13596	24.92102	36.46144	23.73558	22.45366	32.62421	46.56169	26.93357	0.524789	0.179304	0.389109	0.379367	0.696594	0.219426
ATSG08570	ATSG08570	656.275	631.6231	578.1568	364.163	349.7827	362.85	433.0908	432.6349	402.2133	570.9237	607.9626	561.4613	-0.786	5.62E-13	-0.55234	1.23E-06	-0.10106	0.625681
ATSG08580	ATSG08580	221.1361	231.952	190.5728	268.4825	283.536	266.1565	239.2226	263.2491	190.368	260.0342	300.6555	240.3303	0.343733	0.053685	0.106384	0.636508	0.309076	0.26181
ATSG08590	SRKZG	961.8233	1127.643	1149.875	955.1545	996.3508	966.9356	1082.282	869.5853	1019.201	1064.125	1172.024	1080.451	-0.14759	0.300213	-0.12085	0.436627	0.034218	0.913775
ATSG08600	ATSG08600	38.04493	37.46917	56.65679	70.11065	4.637271	5.981045	8.893035	14.02557	15.61994	47.97678	49.22236	45.57989	-2.56118	3.18E-13	-1.63731	3.26E-06	0.104202	0.89034
ATSG08610	RH26	762.0874	611.9964	605.1975	562.1224	480.2888	583.1519	598.5012	789.7474	629.8787	545.9758	462.9562	562.4972	-0.28193	0.11032	0.024415	0.919197	-0.32694	0.203531
ATSG08620	RH25	306.7372	274.7739	258.8185	217.343	207.3523	256.1881	216.99	209.3046	176.7005	203.4216	160.9704	217.5404	-0.30554	0.093461	-0.47038	0.009798	-0.5143	0.02711
ATSG08630	ATSG08630	140.2907	128.4657	108.163	143.5206	127.8562	156.504	122.7239	160.7546	134.7219	102.6703	95.78405	123.2729	0.173807	0.452488	0.141877	0.578868	-0.21789	0.569665
ATSG08640	FLS1	121.2682	139.1712	117.1765	106.4032	92.74542	80.7441	56.02612	56.10228	46.85981	198.6239	180.9254	132.596	-0.39707	0.084946	-1.19234	1.39E-07	0.434604	0.186928
ATSG08650	ATSG08650	1591.942	1612.958	1560.336	762.9688	718.1145	735.6685	1109.851	1157.649	831.7616	1540.055	1412.815	1690.599	-1.08547	4.99E-16	-0.60928	1.39E-05	-0.03292	0.927039
ATSG08660	ATSG08660	181.9023	237.3047	262.6515	334.469	296.1229	375.809	331.7102	356.0337	326.0662	192.8667	182.2558	247.5817	0.549948	0.00291	0.562533	0.003003	-0.12122	0.76241
ATSG08670	ATSG08670	2359.974	1975.16	1963.673	1645.126	1572.697	1785.342	1493.141	1680.911	1680.119	1793.372	1805.263	1769.328	-0.33137	0.005048	-0.374	0.001709	-0.22985	0.204293
ATSG08680	ATSG08680	1506.341	1115.154	1121.547	1092.076	1210.99	1074.594	1021.81	947.2654	1079.728	1120.738	1332.995	1005.865	-0.14723	0.429624	-0.29248	0.098379	-0.11473	0.725981
ATSG08690	ATSG08690	2054.426	1773.541	1568.363	1348.187	1375.282	1296.89	1236.132	1346.455	1527.825	1659.307	1859.807	1570.434	-0.41931	0.002777	-0.3883	0.007326	-0.08461	0.775326
ATSG08695	ATSG08695	4.755616	0	0	3.299325	4.637271	1.993682	1.778607	1.07889	0.972646	0	3.991002	1.035907	0.499577	0.4936	-0.17142	0.841473	-0.06598	NA
ATSG08710	ATSG08710	95.11232	124.8972	106.8753	173.2145	133.8184	133.5767	119.1667	125.1512	80.05217	97.87263	101.1054	119.1293	-0.00209	0.995102	-0.00209	0.995102	-0.02725	0.965712
ATSG08712	MIR166C	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
ATSG08717	MIR166D	0	0	0	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA	NA	NA
ATSG08720	ATSG08720	464.8614	419.2978	409.4741	226.8286	221.9265	224.2892	279.2413	292.3792	241.1328	479.7678	498.8752	505.5224	-0.93333	6.98E-14	-0.66559	3.06E-07	0.193799	0.373889
ATSG08730	AR16	0	0	0	0.412416	0.662467	0.996841	0	0	0.959536	1.330334	0	0	0.406924	NA	0	NA	0.413382	NA
ATSG08740	ND1C	452.9724	410.3766	455.8296	318.3848	329.2462	313.008	383.2898	404.5837	369.9972	452.9008	385.7969	433.0089	-0.45575	0.00025	-0.19059	0.189084	-0.05225	0.860356
ATSG08750	ATSG08750	230.6474	256.9314	222.7642	231.3651	215.9643	239.2418	242.7799	225.488	192.3205	272.5811	331.2532	213.3967	-0.04541	0.852279	-0.09779	0.687909	0.196164	0.56721
ATSG08760	ATSG08760	30.91163	62.44861	69.53333	240.8507	242.463	161.4882	75.5908	64.7334	123.007	37.30843	27.93701	54.90305	1.865295	1.33E-09	0.684025	0.027377	-0.36696	0.563333
ATSG08770	ATSG08770	53.50068	62.44861	30.9037	67.22374	70.22153	71.77254	48.02239	44.23449	81.02842	40.3005	54.54369	31.0772	0.49176	0.140671	0.237887	0.548896	-0.20409	0.766647
ATSG08780	ATSG08780	101.0568	121.3287	124.9025	72.17273	85.45828	90.71251	77.3694	67.97007	103.21845	94.99403	95.78405	103.5972	-0.48134	0.019468	-0.63997	0.028681	-0.22519	0.552437
ATSG08790	NAC081	130.7794	167.7191	145.1549	1072.693	981.114	1222.127	978.2338	1116.651	749.464	157.3638	145.0064	134.6678	2.844667	2.71E-85	2.787009	3.34E-81	-0.01211	0.982036
ATSG09210	ATSG09210	0	0	0	0	0	0.996841	0	1.07889	0	0.959536	0	0	0.13292	NA	0.160667	NA	0.155225	NA
ATSG09220	AAP2	1873.713	1454.161	1919.893	906.9018	837.3586	939.024	1188.999	1220.225	845.429	1710.852	1770.675	1643.984	-0.95203	1.49E-09	-0.67826	3.24E-05	-0.0235	0.93414
ATSG09225	ATSG09225	65.38972	58.88012	106.8753	158.3676	155.6798	103.6714	155.6281	118.6779	231.3703	124.7396	113.0784	85.98024	0.798095	0.007948	1.05214	0.000402	0.443613	0.380750
ATSG09230	SR12	122.5571	114.1917	118.4642	123.3123	102.6824	124.6051	140.51	125.1512	111.292	127.6182	135.6941	158.4937	-0.02248	0.933733	-0.082573	0.755695	0.239357	0.493509
ATSG09240	ATSG09240	23.77808	32.11643	24.46543	21.44561	24.51129	18.93997	16.89677	9.710009	18.54867	25.90746	23.94601	41.43626	-0.25325	0.555712	-0.71285	0.088581	0.19707	0.802435
ATSG09250	KWIH	48.74506	73.15409	50.21852	93.20592	92.74542	60.80729	80.92662	61.49673	132.7695	50.85539	65.18636	75.62218	0.510535	0.126201	0.648198	0.055444	0.155311	0.830895
ATSG09260	VP52.0	80.84547	108.8389	119.7519	157.1303	139.7806	146.5356	138.7313	126.2301	197.2011	90.19635	117.0694	113.9497	0.508962	0.031011	0.564968	0.019969	0.051852	0.931833
ATSG09270	ATSG09270	52.31177	37.46917	59.2321	106.8156	100.695	115.6335	94.26617	85.23231	123.007	62.36982	55.87403	50.75942	1.045673	9.2E-06	0.957155	9.69E-05	0.149609	0.789071
ATSG09280	ATSG09280	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
ATSG09290	SAL4	16.64466	21.41095	15.45185	239.201	219.9391	208.3397	89.81965	83.07453	77.12343	1.919071	9.312338	3.10772	3.5057	9.06E-40	2.107041	7.84E-14	-1.48174	0.003681
ATSG09300	T5E8_100	68.95643	69.5856	74.68395	68.46099	80.82101	63.79781	87.15174	87.94145	102.4945	124.9521	133.0334	72.51346	-0.00056	0.999192	-0.11717	0.13873	0.488241	0.203746
ATSG09310	ATSG09310	64.20081	92.78079	78.54691	128.2612	141.1055	99.68408	112.9414	102.4945	124.9521	64.28889	51.88302	67.33392	0.654229	0.003942	0.530558	0.030255	-0.32003	0.453433
ATSG09320	VP98	73.71204	94.56504	86.27284	73.40997	76.8462	70.7757	103.1592	84.15342	122.0307	84.43914	69.17737	104.6266	-0.18515	0.499183	0.284714	0.293398	0.038539	0.951828
ATSG09330	VNI1	349.5378	278.3424	287.1469	328.6952	249.7502	372.8185	306.8097	326.9037	218.6791	213.0169	263.							

ATSG09760	PMES1	154.5575	103.4863	103.0123	51.55195	46.37271	46.85152	48.91169	42.07671	42.95482	91.15588	55.87403	87.01615	-1.26553	1.59E-07	-1.37126	5.19E-08	-0.59626	0.098645
ATSG09770	ATSG09770	142.6685	123.113	150.6565	252.8107	227.2263	229.2734	175.1928	195.2791	209.8929	116.1038	151.6581	183.3555	0.745503	0.875E-05	0.457706	0.0028628	0.101555	8.820024
ATSG09780	REM23	3.566712	3.568492	5.150617	0.412416	0	0	0	2.15778	0	2.878607	5.321336	8.287252	-1.62314	0.010111	-1.1712	0.08367	0.326497	NA
ATSG09790	ATXR5	48.74506	48.17464	60.51975	70.11065	94.73282	59.81045	77.3694	61.49673	52.71728	60.45074	54.54369	61.11849	0.491275	0.079211	0.266687	0.419883	0.150912	0.801445
ATSG09795	ATSG09795	0	0	0	0	0	0	0.996841	0	0	0	0	0	0.15625	NA	0	0	0	0
ATSG09800	PUB28	5.94452	14.27397	9.01358	20.62078	18.54908	34.88943	28.45771	32.3667	34.16861	16.31211	5.321336	16.5745	1.140054	0.009603	1.492534	0.00063	0.370975	0.683412
ATSG09805	IDL3	7.133424	7.136984	2.575309	4.124156	4.637271	2.990522	1.778607	0	2.928738	3.88143	10.64267	8.287252	-0.31913	0.65628	-1.02367	0.125142	0.326811	NA
ATSG09810	ACT7	4144.519	3556.002	3378.805	2672.453	2611.446	2705.426	2705.426	2705.426	2705.426	2705.426	2705.426	2705.426	-0.46844	0.000019	-0.57891	9.63E-08	-0.38615	0.005841
ATSG09820	PAP7	86.78999	80.29107	87.5605	98.97974	119.2441	104.6683	216.1007	162.9124	274.3251	94.03449	86.47171	158.4937	0.317899	0.288424	1.295672	3.18E-07	0.391931	0.388338
ATSG09830	BOLA2	97.49012	66.0171	93.99877	210.7444	263.662	169.4629	99.60199	91.70564	225.5128	112.2657	219.5051	99.44703	1.201553	0.000519	0.62283	0.110417	0.660879	0.227791
ATSG09840	ATSG09840	61.82301	39.25341	55.36914	20.20836	35.77323	43.86099	27.56841	28.05114	29.28738	41.26003	45.23135	30.04129	-0.65818	0.052007	-0.82792	0.01918	-0.415	0.47899
ATSG09850	MED26C	455.3502	446.0615	441.6654	370.7616	414.7045	410.6984	368.1716	392.7159	312.3987	500.8776	641.221	390.5368	-0.1654	0.434782	-0.31695	0.120162	0.182677	0.592825
ATSG09860	THO1	330.5153	305.1061	342.5161	292.4026	277.5738	318.989	297.9167	289.1425	290.9213	332.9589	363.1812	329.4183	-0.15761	0.331122	-0.14509	0.322447	0.060831	0.84446
ATSG09870	CESA5	1570.542	1254.325	1133.136	452.8323	414.042	585.1455	419.7512	474.7116	410.9996	1261.789	1078.901	1118.779	-1.42357	8.7E-09	-1.56943	3.05E-22	-0.19064	0.543547
ATSG09876	ATSG09876	4.755616	3.568492	1.287654	38.35465	28.48609	34.88943	47.113408	37.76115	75.17094	1.919071	3.991002	4.103507	2.631881	7.4E-09	3.231766	0.607E-13	-0.33449	0.776218
ATSG09880	ATSG09880	743.065	733.3251	742.9766	951.8551	942.6909	922.0777	850.1741	935.3976	843.4765	677.4322	633.239	678.5188	0.341988	0.00073	0.241363	0.027966	-0.15568	0.379696
ATSG09890	ATSG09890	3591.9156	356.8492	320.242	348.4912	330.5712	422.6605	363.7251	388.4004	355.3535	337.7565	300.6555	347.0287	0.049686	0.788622	0.06356	0.745662	-0.09883	0.744836
ATSG09900	RPNSA	1119.9448	1115.154	123.2722	1232.298	1390.519	1329.788	1309.055	1297.905	1318.908	1285.778	1470.019	115.0386	0.189362	0.148	0.180552	0.192558	-0.173394	0.403703
ATSG09910	ATSG09910	0	0	0	0.824831	0	0	0.889303	0	0	2.878607	1.330334	2.071813	0.121131	NA	0.137146	NA	0.949728	NA
ATSG09920	NRPB4	428.0054	467.4725	530.5136	729.5632	966.5398	699.7822	857.2886	613.8884	940.1249	503.7562	512.1786	606.0053	0.739196	0.000143	0.739196	0.000143	0.181017	0.629861
ATSG09930	ABCF2	2.377808	1.784246	5.150617	7.835896	4.637271	14.95261	16.89677	10.7889	5.857476	3.88143	5.321336	3.10772	0.974624	0.105688	1.244427	0.04032	0.163987	NA
ATSG09940	ATSG09940	0	0	0	0	0	0	0.889303	0	0	1.330334	0	0	0	NA	0.141773	NA	0.183636	NA
ATSG09950	PCMP-H35	16.64466	5.352738	11.58889	12.37247	5.299738	16.94629	16.89677	14.02557	6.833722	10.55489	14.63367	15.5386	-0.03165	0.962896	0.09837	0.889016	0.178438	NA
ATSG09960	ATSG09960	82.03437	107.0548	128.7654	180.2256	148.3927	126.5988	152.0709	103.5734	195.2492	120.9015	147.6671	131.5601	0.505566	0.095902	0.486132	0.0857	0.315219	0.498675
ATSG09970	CYP78A7	4.755616	10.70548	5.150617	1.287654	1.987402	3.987363	2.15778	2.928738	1.878607	2.660668	2.660668	4.103507	-0.30554	0.671895	-0.45093	0.504171	-0.66009	NA
ATSG09975	ATSG09975	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG09976	ATSG09976	5.94452	10.70548	6.483272	6.598649	3.974804	4.984204	5.335821	3.23667	1.952492	2.878607	13.30334	9.323159	-0.36554	0.583392	-0.73882	0.262026	-0.15007	NA
ATSG09978	PEP7	0	1.784246	2.575309	2.886909	1.987402	0.996841	1.778607	3.23667	1.952492	0	1.330334	0	0.277768	0.721758	0.335066	0.674107	-0.48116	NA
ATSG09980	PEP4	4.755616	1.784246	2.575309	10.7228	11.26194	4.984204	8.893035	4.31556	1.952492	6.716749	5.321336	4.143626	1.06515	0.076019	0.407268	0.582327	0.46303	NA
ATSG09990	PEP5	15.45575	8.92123	25.75309	18.14629	18.54908	7.974726	9.872338	6.83112	12.6912	33.58375	34.58868	29.00538	-0.1346	0.803317	-0.61206	0.223426	0.821181	0.186928
ATSG09995	ATSG09995	118.8904	165.9349	145.5049	118.3633	115.2693	126.5988	96.04478	85.23231	125.9357	176.5546	170.2827	165.745	-0.2418	0.268348	-0.45887	0.034094	0.25913	0.451483
ATSG10000	FD4	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	0	0	NA
ATSG10010	ATSG10010	412.5497	372.9074	410.7617	390.5575	444.5155	381.79	337.046	379.7693	447.1207	349.271	304.6465	408.1472	0.02261	0.919681	-0.04196	0.856375	-0.16778	0.587439
ATSG10020	ATSG10020	265.1256	167.1791	171.258	127.0274	107.3197	149.5261	118.2774	117.599	124.9595	165.0401	141.0154	164.7091	-0.65702	0.002644	-0.729	0.000876	-0.35435	0.31024
ATSG10030	TGA4	200.9248	132.0342	166.1074	193.0105	142.4305	182.4219	150.2923	166.1491	121.0545	147.7685	139.6851	189.5709	0.042761	0.884565	-0.19558	0.474451	-0.07075	0.894009
ATSG10040	ATSG10040	0	0	0	0.412416	0	0.996841	0	0	0	0	1.330334	0	0.247049	NA	0	0	0.204255	NA
ATSG10050	ATSG10050	108.1903	128.4657	157.0938	110.5274	118.5816	121.6146	127.1704	129.4668	142.5319	130.4968	123.7211	149.1705	-0.16745	0.454095	0.020539	0.941901	0.038681	0.9394
ATSG10060	ATSG10060	364.9935	374.6917	364.4062	315.4979	315.9969	357.8658	376.1754	325.8248	209.8329	375.1784	464.2866	336.6696	-0.15555	0.526267	-0.26671	0.269323	0.086524	0.856796
ATSG10070	ATSG10070	76.08985	82.07532	69.53333	148.0572	139.7860	92.70619	94.26617	92.78453	109.3396	73.88424	109.0874	78.7289	0.732818	0.000257	0.368514	0.193615	0.184016	0.719674
ATSG10080	ATSG10080	53.50068	30.33218	60.51975	32.99325	14.57428	33.89259	37.35075	40.99782	21.47741	51.81492	38.57969	60.08258	-0.76798	0.041764	-0.50034	0.235328	0.045829	0.962938
ATSG10090	TPR13	0	1.784246	0	0	0	0	1.778607	0	0	0	0	0	-0.2855	NA	0.054081	NA	-0.06854	NA
ATSG10100	TPPI	142.6685	73.15409	95.28642	62.68717	153.0299	74.76306	98.71269	49.62894	246.014	70.0461	83.81104	111.8779	-0.07967	0.910813	0.265513	0.696771	-0.17805	0.883453
ATSG10110	ATSG10110	134.3461	119.5445	99.14938	125.7868	118.5816	138.5609	136.9527	94.94231	138.6269	153.5257	194.2288	116.0215	0.107874	0.715665	0.069529	0.834127	0.371283	0.336105
ATSG10120	EIL4	0	0	0	0	0	0	1.07889	0	0	0	0	0	0	NA	0	0	0	NA
ATSG10130	DFC	0	0	0	0	0.662467	0	0.889303	0	0	1.330334	1.035907	0	0.093572	NA	0.155384	NA	0.378511	NA
ATSG10140	FLC	14.26685	12.48972	25.75309	82.48311	78.17114	108.6556	78.25871	61.49673	92.74337	45.09817	29.26735	21.75404	2.116797	4.86E-11	1.923553	5.3E-09	0.745522	0.177994
ATSG10150	UFC	433.9499	501.3731	460.9803	170.3276	160.3171	181.425	168.9677	208.2258	200.1304	604.5074	574.7043	524.1687	-1.42747	1.12E-26	-1.2553	6.34E-20	0.28798	0.168233
ATSG10160	ATSG10160	216.3805	228.3835	233.0654	210.7444	219.9391	215.3176	185.8644	176.938	256.5727	273.4677	270.0578	258.9766	-0.06798	0.754032	-0.12546	0.56181	0.240127	0.408217
ATSG10170	IPS3	162.8798	105.2705	164.8198	64.74925	69.55906	69.77885	72.92289	67.97007	51.74104	126.6587	135.6941	125.3447	-1.07189	2.49E-07	-1.14291	1.36E-07	-0.1717	0.685773
ATSG10180	SULTR	186.6679	1391.7112	1708.717	907.3143	797.6106	1077.558	1325.062	1318.404	923.2882	2194.458	1760.032	1924.714	-0.81918	6.26E-06	-0.4678	0.017193	0.236988	0.470766
ATSG10190	ATSG10190	209.2471	226.5992	177.6963	247.8618	227.2263	246.2197	283.6878	289.1425	299.1803	147.7685	135.6941	139.8474	0.236595	0.17189	0.40417	0.016784	-0.51562	0.02
ATSG10200	ATSG10200	194.9802	119.5445	180.2716	73.82239	76.18374	84.73147	97.82338	90.62675	113.2445	149.6876	155.6491	141.9192	-1.07048	6E-08				

AT5G10660	AT5G10660	10.70014	5.352738	7.725926	2.062078	3.974804	2.990522	4.446517	5.39445	5.857476	5.757214	6.65167	6.215439	-1.07995	0.060515	-0.47729	0.478855	-0.29579	NA
AT5G10670	AT5G10670	2.377808	1.784246	0	0.412416	0	0.996841	1.778607	2.15778	0	0	3.991002	1.035907	-0.47298	0.483939	-0.01582	0.98497	0.077418	NA
AT5G10680	AT5G10680	10.70014	10.70548	11.58889	2.062078	3.974804	5.981045	0.889303	4.31556	6.833722	8.635821	9.312338	7.251346	-1.18651	0.032019	-1.09422	0.065481	-0.30642	NA
AT5G10690	CBSPPR1	449.4057	399.6711	440.3778	326.2207	303.41	313.008	284.5771	349.5603	317.2799	469.2129	400.4305	529.3482	-0.44713	0.002778	-0.43721	0.004922	0.116341	0.695688
AT5G10695	AT5G10695	29.72226	35.68492	41.20494	371.9988	288.8357	296.6107	222.3259	206.068	549.6265	32.62421	33.25835	36.25673	2.90949	4E-20	2.931765	2.03E-20	-0.06336	0.948017
AT5G10700	AT5G10700	51.12287	53.52738	66.95803	51.96468	51.96468	54.98478	54.98478	61.49673	69.31347	64.28889	79.82004	64.54398	-0.09637	0.077217	0.17942	0.5888171	-0.11426	0.851483
AT5G10710	AT5G10710	147.4241	132.0342	114.6012	185.587	208.0147	181.425	224.1045	188.8057	230.3941	125.6992	102.4357	111.8779	0.533005	0.003228	0.69243	0.000128	-0.20302	0.567766
AT5G10720	AHK5	2.377808	1.784246	0	0	0.662467	0	0	1.07889	1.952492	0.995936	0	3.110772	-0.53703	0.346113	-0.13897	0.859639	0.026747	NA
AT5G10730	AT5G10730	108.1903	137.3869	124.9025	129.9109	150.3801	128.5925	113.8308	128.3879	155.2231	133.3755	126.3817	87.01615	0.146787	0.569428	0.10492	0.718752	-0.08631	0.867506
AT5G10740	AT5G10740	61.82301	55.31163	66.95803	157.1303	149.7176	141.5514	100.4913	108.9679	133.7457	49.89585	54.54369	53.86714	1.243847	8.57E-10	0.858338	8.51E-05	-0.22257	0.62574
AT5G10745	AT5G10745	137.9129	105.2705	117.1567	157.1303	179.5286	164.4787	139.6206	117.599	167.9143	118.0229	113.0784	135.7038	0.451939	0.025009	0.223583	0.349888	0.016787	0.977385
AT5G10750	AT5G10750	86.78999	69.5856	86.27284	118.3633	88.10815	125.6019	120.9453	130.5457	119.102	66.20796	85.14137	75.62118	0.422625	0.056267	0.57874	0.012027	-0.11387	0.827915
AT5G10760	AT5G10760	775.1654	1145.486	771.305	5762.683	5105.635	5271.294	3480.734	3791.219	3151.322	235.0862	248.7725	245.5098	2.544512	1.21E-65	1.923693	1.15E-37	-1.8367	9.77E-29
AT5G10770	AT5G10770	171.2022	160.5821	139.0667	209.9165	157.6672	194.384	140.51	162.9124	135.6982	147.7685	151.6581	124.3088	0.253031	0.220679	-0.10036	0.69333	-0.15067	0.699431
AT5G10780	AT5G10780	456.5391	471.0411	431.3642	667.2884	711.4899	598.1045	556.704	534.0505	735.1132	492.2418	498.8752	421.614	0.534664	0.000699	0.402042	0.011822	0.055134	0.884754
AT5G10790	UBP22	608.0582	169.5034	206.0247	262.7087	311.3596	262.1691	319.241	254.618	325.2753	211.0978	248.7725	219.6122	0.500765	0.004515	0.446246	0.01645	0.202651	0.537149
AT5G10800	AT5G10800	23.01191	53.52738	50.21852	23.50769	24.51129	34.88943	39.12935	37.76115	64.43224	60.45074	67.84703	63.1903	-0.98861	0.000636	-0.22829	0.524618	0.183465	0.757425
AT5G10810	ATER	126.0238	135.6027	176.4086	302.713	309.3722	224.8922	216.99	178.0168	214.7771	197.6643	264.7365	211.3249	0.910852	4.71E-06	0.461447	0.039721	0.594512	0.033162
AT5G10820	AT5G10820	43.98945	39.25341	41.20494	42.06639	45.71024	42.86415	69.36567	63.65451	64.43224	34.54328	41.24035	41.43626	0.056134	0.871888	0.633909	0.020471	-0.0955	0.882916
AT5G10830	AT5G10830	15.45575	21.41095	19.31482	33.40566	33.12336	29.90522	29.90522	20.49891	39.04984	25.90746	26.60668	30.04129	0.729096	0.047861	0.499948	0.204773	0.511374	0.417424
AT5G10840	TMN8	822.7215	665.5238	651.5531	710.1796	627.3565	819.4031	613.6194	714.2251	483.2418	561.3283	500.2056	545.9227	0.007992	0.974099	-0.23799	0.242449	-0.40462	0.118762
AT5G10850	AT5G10850	2.377808	1.784246	1.287564	2.474493	5.299738	5.981045	0.889303	5.39445	5.857476	6.716749	2.660668	5.179533	0.508868	0.471555	0.408463	0.597798	-0.619737	NA
AT5G10860	CBSX3	1562.22	1903.791	1824.606	2505.425	2461.066	2441.263	3141.02	3330.533	4082.661	1461.373	1611.034	1890.529	0.479659	0.001149	0.983013	1.8E-12	-0.08995	0.776073
AT5G10870	CM2	97.49012	94.56504	135.2037	162.0793	195.4278	157.5008	133.3955	160.7546	131.7932	118.0229	97.11438	106.6984	0.631112	0.001868	0.359019	0.121154	-0.02565	0.965246
AT5G10880	AT5G10880	2.377808	1.784246	7.725926	2.474493	1.987402	5.981045	5.335821	5.39445	0.976246	0.995936	3.991002	2.078113	-0.17672	0.826202	-0.02591	0.976895	-0.46586	NA
AT5G10890	AT5G10890	7.133424	7.136984	7.725926	14.84696	15.23675	11.96209	13.33955	10.7889	5.857476	2.878607	13.30334	7.251466	0.770442	0.147945	0.343383	0.596935	0.010806	NA
AT5G10900	AT5G10900	49.93397	49.95889	59.2321	58.56301	54.32232	62.80097	48.91169	67.97007	62.21612	58.53167	65.18636	65.26211	0.128272	0.708134	-0.09998	0.797423	0.229687	0.676227
AT5G10910	AT5G10910	178.3356	199.8356	208.6	201.2588	169.5916	160.4914	176.9714	209.3046	210.8691	207.2597	222.1658	249.6535	-0.12742	0.535534	0.025095	0.920473	0.20897	0.504728
AT5G10920	T30N20	426.8165	412.1608	454.54	270.5446	266.3118	285.0965	256.1194	272.9592	255.7765	403.9645	286.0218	484.8043	-0.62483	0.000272	-0.70668	8.46E-05	-0.13188	0.716975
AT5G10930	CIPK5	282.9591	281.9109	300.0235	119.6005	110.632	89.71567	85.37313	81.99564	91.76712	329.1207	255.4241	301.4488	-1.38857	5.34E-18	-1.69902	1.5E-23	0.039108	0.926349
AT5G10940	AT5G10940	494.584	497.8046	418.4877	348.0787	365.0195	408.7047	458.8806	460.686	287.9926	474.9701	553.4189	429.9012	-0.32425	0.119043	-0.21792	0.347601	0.045792	0.926068
AT5G10945	MIR156D	1.188904	1.784246	0	0.412416	0	0	0.996841	0	1.07889	0	0	0	-0.2869	NA	-0.282	NA	-0.49414	NA
AT5G10946	AT5G10946	79.65566	87.42806	73.3963	76.793	123.8814	80.7441	125.3918	102.4945	101.5296	102.6703	139.6851	83.90843	0.218341	0.477334	0.43926	0.134212	0.414724	0.337689
AT5G10950	AT5G10950	180.7134	215.8938	203.4494	221.4642	229.8761	172.4535	220.5473	224.4091	359.2585	139.1327	170.2827	190.6068	0.062725	0.833675	0.411949	0.098224	-0.25197	0.552398
AT5G10960	CAF1-10	1344.65	1348.89	1402.968	1395.614	1570.047	1570.024	1340.18	1377.742	1826.556	1179.269	989.7685	1218.226	0.144604	0.403746	0.148088	0.415578	-0.26834	0.26247
AT5G10970	AT5G10970	30.9115	33.90067	42.49259	25.15735	27.16116	17.84313	14.22886	19.42002	7.809969	37.42219	30.59768	30.04129	-0.53892	0.139515	-1.24277	0.000792	-0.11294	0.889051
AT5G10980	HTR8	592.0742	672.6608	683.7445	1217.863	1275.25	991.8566	886.1816	883.6109	1370.649	63.32395	707.7377	672.3033	0.826059	8.93E-06	0.626581	0.000522	-0.046056	0.924386
AT5G10990	AT5G10990	4.755616	1.784246	2.575309	0	1.987402	2.990522	1.778607	2.15778	0.976246	0	2.660668	1.413626	-0.50463	0.490877	-0.43075	0.581508	-0.23354	NA
AT5G11000	AT5G11000	240.1586	217.678	206.0247	282.0923	317.9843	305.0333	281.9092	302.0892	480.313	181.3522	184.9164	182.3195	0.462017	0.043669	0.660655	0.001583	-0.26855	0.472572
AT5G11010	AT5G11010	142.6685	121.3287	114.6012	134.8599	153.0299	167.4693	124.5025	130.5457	74.1947	137.2136	127.7121	128.4524	0.247539	0.318945	-0.19929	0.476528	-0.051079	0.929099
AT5G11020	AT5G11020	60.6341	46.3904	43.78025	68.04857	56.97219	79.74276	44.46517	48.55005	48.8123	33.58375	39.91002	48.68761	0.40457	0.153417	-0.09596	0.801855	-0.29886	0.56723
AT5G11027	AT5G11027	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT5G11030	ALF4	149.8910	151.6609	135.2037	205.383	216.6268	241.2355	211.6542	211.4624	165.9618	138.1731	118.3997	148.1346	0.586732	0.000866	0.424649	0.027205	-0.09914	0.808921
AT5G11040	TR5120	393.5272	305.1061	316.763	232.119	244.4504	278.1186	258.7873	304.247	234.299	303.2133	272.7185	294.1975	-0.43226	0.009511	-0.34955	0.050965	-0.22188	0.442559
AT5G11050	MYB64	0	0	0	0	0	0.996841	0	1.07889	0.976246	1.919071	0	0	0.111976	NA	0.313557	NA	0.313696	NA
AT5G11060	KNAT4	796.5656	876.0648	789.3321	926.2854	857.2327	796.4758	901.7537	959.1332	828.8328	711.0159	649.203	703.3805	0.072445	0.618735	0.128428	0.370859	-0.24832	0.177994
AT5G11070	AT5G11070	380.4493	412.1608	400.4605	440.4598	431.9287	451.5689	578.0473	513.5516	986.9847	450.0222	581.3559	471.3375	0.145175	0.590301	0.775693	0.000487	0.320592	0.396793
AT5G11080	AT5G11080	0	0	0	0	0	0	0.889303	1.07889	0	0	0	0	-0.48988	NA	-0.08325	NA	-0.23437	NA
AT5G11090	AT5G11090	238.9697	221.2465	238.2161	221.8796	288.8357	238.2449	241.8905	202.8313	313.375	143.9303	170.2827	156.4219	0.095186	0.692033	0.114806	0.648177	-0.55999	0.0358
AT5G11100	SYT4	17.83356	8.92123	16.73951	7.42348														

AT5G12950	AT5G12950	1031.969	1120.507	853.7148	634.7076	641.2683	721.7127	789.7015	830.7453	643.3461	1113.061	1097.526	971.6803	-0.58098	8.56E-05	-0.40137	0.010888	0.082686	0.799656	
AT5G12960	AT5G12960	137.9129	167.7191	142.9296	72.99756	75.52127	97.6904	97.82338	111.1257	63.69533	142.0113	162.3007	119.1293	-0.83593	0.0002819	-0.73497	0.00511	-0.07744	0.896855	
AT5G12970	AT5G12970	24.96698	14.27397	20.60247	7.42348	5.962205	6.977885	9.710009	9.304984	16.31211	11.97301	10.35907	10.12393	-1.33716	0.002791	-1.21743	0.011463	-0.5597	NA	
AT5G12980	AT5G12980	118.8904	126.6815	122.3272	110.9398	114.6068	92.70619	110.2736	78.75897	117.1495	111.3061	101.1054	109.8061	-0.19054	0.412222	-0.24924	0.303322	-0.17977	0.654726	
AT5G12990	CLE40	0	1.784246	0	0	0.662467	0	0	0	0	0	0	0	-1.3784	NA	-0.76070	NA	-0.06605	NA	
AT5G13000	CALS3	1160.37	1006.315	952.8642	478.8145	367.6693	663.896	646.5236	700.1996	410.0233	883.7323	695.7647	958.2137	-1.00936	1.44E-05	-0.29701	0.000964	-0.28588	0.505054	
AT5G13010	EMB3011	820.3437	676.2292	543.3901	411.1783	359.0573	451.5689	466.8843	567.4961	469.5734	566.126	663.8367	572.8563	-0.72713	2.42E-05	-0.43245	0.020491	-0.17687	0.594239	
AT5G13020	EML3	592.0742	576.3115	629.663	655.3283	624.7066	685.8265	635.852	693.7262	560.1798	537.34	421.7159	556.2816	0.124976	0.417795	0.13548	0.402496	-0.24052	0.266279	
AT5G13030	AT5G13030	802.5102	767.2258	758.4284	725.439	703.5402	750.6211	828.8308	876.0586	818.0941	723.4899	792.879	781.0735	-0.09657	0.421137	0.113806	0.359363	-0.0213	0.937332	
AT5G13050	5FCL	96.30122	132.0342	92.71111	117.9509	90.75802	87.72199	87.82338	102.4945	108.3633	98.83217	103.766	118.0933	-0.0785	0.777978	-0.03869	0.901469	0.015646	0.981084	
AT5G13060	ABAP1	72.52314	58.88012	66.95803	51.13953	45.71024	47.84836	46.24378	46.39227	32.21612	91.15588	77.15937	89.08796	-0.64826	0.083026	-0.64866	0.015035	0.359756	0.366998	
AT5G13070	AT5G13070	133.1572	155.2294	162.2444	226.8286	288.8357	160.4914	159.1853	151.0446	239.1803	155.4448	207.5321	149.1075	0.567507	0.029873	0.275032	0.368266	0.173064	0.744836	
AT5G13080	WRKY75	1.188904	1.784246	2.575309	98.56732	97.38269	87.72199	104.9378	90.62675	97.6246	2.878607	0	3.10772	4.371043	2.51E-26	4.406182	1.44E-26	-0.04589	0.976814	
AT5G13090	AT5G13090	257.9922	231.952	233.0654	188.8863	219.2767	170.4598	172.5249	151.0446	254.8002	222.6123	214.1838	235.1508	-0.31137	0.15283	-0.31375	0.174351	-0.10351	0.818128	
AT5G13100	AT5G13100	479.1283	365.7704	476.4321	328.6952	353.0951	385.7774	280.1306	275.1169	400.2609	419.3171	465.6169	389.5009	-0.30868	0.114586	-0.46147	0.017529	-0.05713	0.896197	
AT5G13110	G6PD2	142.6685	137.3869	115.8889	141.871	139.7806	114.6367	134.2848	152.1235	145.4607	147.7685	113.0784	158.4937	0.012997	0.961756	0.121722	0.632283	0.090604	0.842163	
AT5G13120	PNSL5	845.3107	876.0648	896.2074	622.7475	608.145	582.155	653.6381	645.1762	881.5501	1072.663	1231.889	949.9263	-0.52002	0.000854	-0.25905	0.141399	0.288242	0.239025	
AT5G13130	AT5G13130	4.755616	1.784246	2.575309	0.412416	0.412416	0.412416	0.996841	0	1.324935	0.996841	0	2.660668	-0.82528	0.226016	-0.43203	0.579442	-0.49674	NA	
AT5G13140	AT5G13140	536.1957	494.2362	570.4309	339.8034	298.7727	300.0491	336.1567	308.5625	303.6125	556.5307	557.4099	518.9892	-0.75929	4.2E-10	-0.74887	2.05E-09	0.024885	0.940181	
AT5G13150	ATEX070C1	1.188904	0	0	0	0.412416	0	0	1.778607	0	0	0	0	-0.01831	NA	-0.09113	NA	-0.2259	NA	
AT5G13160	PBS1	235.403	248.0102	213.7562	233.8396	210.0021	244.226	201.8179	238.4347	247.9665	94.7857	164.9614	195.7873	-0.01687	0.940213	-0.0164	0.944262	-0.31259	0.22602	
AT5G13170	SWEET15	0	0	14.1642	33.40566	49.68505	88.71883	26.6791	22.4536	8.38143	11.97301	11.97301	5.179533	1.948317	0.001572	0.971822	0.163001	0.188008	0.89872	
AT5G13180	ANAC083	803.6991	902.8285	813.7975	1273.127	1477.302	1201.193	1133.862	950.502	1117.802	853.9867	1133.445	757.2477	0.638543	0.000108	0.340568	0.062893	0.1196	0.730349	
AT5G13181	AT5G13181	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
AT5G13190	AT5G13190	221.1361	319.38	239.5037	577.7942	573.6967	416.6794	690.0995	597.705	900.0988	202.462	320.6105	256.9048	0.980719	9.99E-06	1.443022	2.35E-11	0.001105	0.9982	
AT5G13200	AT5G13200	70.14533	73.15409	56.65679	327.458	280.2237	343.9101	348.607	371.1381	395.3796	71.00564	82.48071	52.83123	2.192849	6.02E-32	2.418254	1.74E-38	0.03333	0.957023	
AT5G13205	AT5G13205	22.58917	33.90067	15.45185	17.31216	24.92102	71.14428	60.41784	28.31113	10.55489	27.93701	16.5745	-0.04125	0.943921	-0.05172	0.013553	-0.33378	0.697022	-0.70986	0.171957
AT5G13210	AT5G13210	51.12287	32.11643	21.89012	72.99756	88.77061	96.69356	125.3918	122.9935	108.3633	23.98839	27.93701	10.35907	1.19233	6.08E-05	1.644145	1.63E-08	-0.70986	0.171957	
AT5G13220	TIFY9	28.53369	16.05821	18.02716	67.22374	78.83361	64.79465	100.4913	92.78453	94.69586	18.23118	54.54369	33.14901	1.569936	1.03E-06	1.994287	3.09E-10	0.604378	0.285002	
AT5G13225	AT5G13225	0	0	1.287654	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA	
AT5G13230	PCMP-H89	8.323228	7.136984	12.87654	7.011065	13.91181	12.95893	16.00746	23.73558	4.88123	12.47396	9.312338	11.39497	0.152861	0.815849	0.501316	0.408669	0.167113	0.706813	
AT5G13240	AT5G13240	243.7253	312.2431	333.5025	226.4162	229.2137	209.3366	268.5697	264.328	347.5436	336.797	275.3791	364.6391	-0.4047	0.033081	-0.01075	0.967942	0.139133	0.706813	
AT5G13250	AT5G13250	9.511232	3.568492	5.150617	3.299325	3.312366	2.990522	1.778607	4.31556	1.952492	7.626285	7.982004	3.10772	-0.66553	0.30283	-0.81541	0.228094	0.000113	0.943921	
AT5G13260	AT5G13260	360.2379	380.0444	354.1049	366.225	321.9591	319.9859	267.9597	276.1958	292.8738	350.2305	355.1992	293.1612	-0.10921	0.508943	-0.37861	0.011263	-0.12989	0.63429	
AT5G13270	PCMP-H90	76.08985	80.29107	97.86173	59.38784	57.63465	69.77885	78.25871	106.8101	55.64602	79.64146	91.79304	88.05205	-0.43752	0.103995	-0.08202	0.816529	0.023763	0.974001	
AT5G13280	AK1	263.9367	339.0067	303.8864	362.1009	335.2084	358.8627	376.1754	367.9015	370.9735	266.7509	271.3881	330.4542	0.22487	0.158286	0.302018	0.061132	-0.05207	0.883508	
AT5G13290	CRN	137.9129	192.78079	108.1663	95.68041	90.09555	90.71251	104.9378	121.9146	108.09968	152.5662	150.3277	151.2424	-0.29651	0.205578	-0.16456	0.545341	0.396776	0.23226	
AT5G13300	AGD3	559.9738	524.56853	486.7333	436.7481	353.7575	449.6552	486.449	529.735	405.421	553.6521	485.5719	487.912	-0.33753	0.037154	-0.14336	0.45532	-0.03946	0.920201	
AT5G13310	AT5G13310	77.27876	112.4075	108.1663	114.2391	113.2819	109.6525	106.1764	133.7824	145.1467	104.5894	110.4177	87.01615	0.187909	0.449399	0.372509	0.11898	-0.02797	0.963016	
AT5G13320	GH3.12	126.0238	135.6027	104.3	507.6838	496.8505	548.2624	1201.449	1163.043	93.1122	118.0229	101.1054	116.0215	2.047496	1.9E-38	3.123247	6.6E-90	-0.11228	0.781547	
AT5G13330	ERF113	1.188904	1.784246	6.438272	49.90228	49.67964	39.87363	52.46891	62.57562	36.1261	2.878607	0	2.071813	3.076546	2.2E-12	3.17346	4.98E-13	-0.45512	0.765985	
AT5G13340	AT5G13340	51.12287	42.8219	57.94445	72.99756	80.82101	67.78517	86.26244	60.41784	96.64835	70.0461	74.4987	66.29802	0.510343	0.050601	0.641055	0.016037	0.433255	0.299512	
AT5G13350	AT5G13350	0	1.784246	0	0	0	0	0	0	0	0	1.330334	0	-0.27254	NA	-0.25305	NA	-0.03925	NA	
AT5G13360	AT5G13360	111.757	103.4863	110.7383	73.40997	82.80841	73.76622	112.9415	119.7568	76.14719	94.99403	86.47171	118.0933	-0.49015	0.034699	-0.0792	0.799329	-0.11573	0.817807	
AT5G13370	AT5G13370	51.12287	48.17464	60.51975	104.3411	125.8688	138.5609	208.097	239.5136	178.653	52.77446	45.23135	46.61579	1.138044	3.59E-07	1.8951	1.32E-18	-0.14205	0.79774	
AT5G13380	AT5G13380	9.511232	8.92123	3.862963	0	1.324935	0	1.07889	0	13.4335	7.982004	15.5386	-1.96928	0.00041	-1.96928	0.001375	0.66355	NA	0.958361	
AT5G13390	NEF1	351.9156	324.7328	266.5444	247.4493	223.9139	249.2102	250.7836	249.2236	178.653	211.0978	182.2558	210.289	-0.38013	0.039493	-0.46436	0.013986	-0.62586	0.009368	
AT5G13400	NPF6.1	229.4585	319.38	247.2926	182.7001	162.3045	242.2323	140.51	187.7268	162.0568	286.9012	297.9948	243.438	-0.42828	0.04326	-0.6742	0.001349	0.06245	0.995301	
AT5G13410	KFBP19	241.3475	337.2225	355.3926	228.4782	245.7754	233.2607	291.6915	306.4047	337.7811	427.9529	341.8958	358.4237	-0.38833	0.031851	0.007649	0.976173	0.275166	0.335232	
AT5G13420	AT5G13420	508.8509	360.4177	406.8988	363.7505	411.3922	369.8279	309.4776	353.8759	401.2371	380.9356	400.4305	334.5978	-0.15958	0.411832	-0.26				

AT5G15840	CO	9.511232	7.136984	5.150617	5.773818	5.299738	3.987363	9.782338	15.10446	6.833722	5.757214	9.312338	14.50269	-0.40258	0.517668	0.413777	0.520386	0.333096	NA
AT5G15845	AT5G15845	10.70014	5.352738	1.287654	3.299235	1.324955	3.987363	3.557214	4.31556	0.976246	5.757214	3.991002	2.071813	-0.66069	0.331905	-0.61387	0.401342	-0.35789	NA
AT5G15850	COL1	32.10041	32.11643	48.93086	40.41673	55.64725	30.90266	32.01493	17.26224	17.57243	31.66468	42.57069	34.18492	0.162342	0.699489	-0.68273	0.079716	-0.07192	0.935568
AT5G15853	AT5G15853	0	0	1.287654	2.886909	3.974804	1.993682	3.557214	1.07889	0	0	0	1.035907	0.958071	0.133856	0.458876	0.527799	-0.08752	NA
AT5G15860	ICME	124.8349	110.6233	100.437	252.8107	262.9995	221.2987	120.9453	135.9401	110.3158	92.11542	85.14137	105.6625	1.113482	1.6E-10	0.119152	0.63625	-0.23921	0.509208
AT5G15870	AT5G15870	91.5456	74.93833	79.83457	180.2256	162.9669	187.4061	171.6456	196.358	209.8929	49.89585	35.91902	42.47217	1.069319	1.4E-08	1.189379	3.79E-10	-0.89294	0.001326
AT5G15880	AT5G15880	209.2471	180.2088	254.9556	219.8175	278.8987	217.3113	243.6692	236.2769	216.7266	224.5313	230.1478	222.7199	0.141806	0.491432	0.102462	0.656543	0.061813	0.882454
AT5G15890	TBL21	0	0	0	1.237247	0	0	0.996841	0	1.952492	0.995936	1.330334	0	0.367176	NA	0.304171	NA	0.343384	NA
AT5G15900	TBL19	14.26685	3.568492	6.438272	4.536571	5.299738	2.990522	6.225124	4.31556	3.904984	8.635821	18.62468	9.323159	-0.71165	0.230835	-0.58503	0.371908	0.409499	NA
AT5G15910	AT5G15910	126.0238	139.1712	140.3543	191.7732	193.4404	176.4408	125.3918	117.599	143.5082	147.9615	118.3997	161.6014	0.46782	0.010032	-0.06388	0.805598	0.086455	0.838966
AT5G15920	SMCS	159.3131	110.6233	151.9432	90.31901	88.10815	109.6525	104.0485	85.23231	72.2422	96.9131	127.7121	110.842	-0.55557	0.012147	-0.67577	0.003161	-0.39318	0.355838
AT5G15930	PAM1	223.5139	231.952	300.0235	285.3916	303.41	297.0586	295.2488	283.7481	269.4439	269.6295	254.0938	307.6642	0.221652	0.197221	0.162021	0.400315	0.135252	0.667079
AT5G15940	AT5G15940	1.188904	1.784246	1.287654	3.299235	6.224673	4.984204	4.46517	2.15778	2.928738	2.878607	1.330334	1.035907	1.011031	0.121396	0.572858	0.446314	0.11515	NA
AT5G15948	CPuORF10	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G15950	SAMDC2	0	0	0	0.412416	0.662467	0	0	0	0.976246	0	2.660668	0	0.180465	NA	0.151347	NA	0.379107	NA
AT5G15960	KIN1	8.322328	8.91213	9.01358	7.011065	7.28714	12.95893	14.22886	11.86779	20.50117	14.39303	30.59768	18.64632	-0.03954	0.952296	0.680291	0.202575	1.047628	NA
AT5G15970	KIN2	638.444	777.9313	766.1543	877.6203	805.5602	729.6874	988.9055	770.3274	1848.034	861.663	1089.544	1058.696	0.139314	0.663673	0.693211	0.009385	0.442905	0.282188
AT5G15980	AT5G15980	242.5364	130.25	142.9292	145.5827	149.0551	159.4945	130.7276	139.1768	115.197	147.7685	168.9524	141.9192	-0.19285	0.462785	-0.42031	0.094656	-0.17938	0.691846
AT5G15990	AT5G15990	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT5G15995	AT5G15995	1.188904	0	0	0	0.662467	0	0.889303	0	0.976246	0	1.330334	0	-0.1395	NA	0.108719	NA	-0.0172	NA
AT5G16000	NIK1	540.9513	403.0033	533.0889	134.8599	166.2793	170.4598	172.5249	173.7013	203.0592	465.3748	415.0642	510.7019	-1.65818	4.75E-27	-1.43048	9.34E-20	-0.11284	0.735019
AT5G16010	AT5G16010	683.6198	872.4867	840.8383	801.3235	761.1749	691.8075	95.3296	828.5875	1025.058	895.2467	921.9214	812.1507	-0.08227	0.639901	-0.224097	0.165447	0.1339	0.623916
AT5G16020	GEX3	2.377808	5.352738	0	4.536571	1.987402	2.990522	6.225124	4.31556	2.928738	0	1.330334	0	0.27474	0.726575	0.561847	0.457492	-0.79744	NA
AT5G16023	RTL18	1.188904	1.736984	3.862963	0.412416	0	0	0	0	0	0	0	0	-1.495	0.008859	-1.55364	0.005314	-0.52798	NA
AT5G16030	AT5G16030	4691.415	6207.392	5526.612	2110.743	2195.417	1925.896	1733.252	1479.158	2174.1	4803.435	6042.377	4881.192	-1.36999	1.37E-17	-1.57612	5.82E-23	-0.16113	0.879579
AT5G16040	AT5G16040	99.86793	92.78079	81.12222	74.2348	82.80841	91.70935	63.14055	94.94231	92.74337	91.15588	65.18636	83.90843	-0.1449	0.608284	-0.12759	0.681738	-0.17111	0.726694
AT5G16050	GRF5	835.7995	822.5374	826.6741	971.6511	1085.784	972.9166	838.6132	832.903	1153.923	784.9001	602.6413	792.4685	0.281114	0.110418	0.181804	0.547564	-0.18343	0.547564
AT5G16060	AT5G16060	34.47821	58.88012	48.93086	123.3123	77.50867	65.79149	71.14428	44.23449	85.90965	88.27728	85.14137	90.12387	0.877287	0.005161	0.481834	0.180797	0.843051	0.049666
AT5G16070	CT68	354.2934	374.6917	377.2827	334.0566	314.0095	310.0175	244.5585	313.957	278.2301	259.0746	230.1478	376.0341	-0.2002	0.343004	-0.39447	0.052397	-0.34161	0.251552
AT5G16080	CXE17	5.94452	5.352738	6.438272	25.15735	25.83622	29.03666	15.11816	14.02557	12.6912	7.676285	7.982004	9.323159	1.699083	0.000116	0.964784	0.057851	0.337362	NA
AT5G16090	AT5G16090	1.188904	0	0	0	0	0	0	0	0	0	0	1.035907	-0.21339	NA	-0.19896	NA	-0.02174	NA
AT5G16100	AT5G16100	0	1.784246	0	0	0	0	1.778607	0	0	0	1.330334	0	-0.28367	NA	0.053066	NA	-0.04557	NA
AT5G16110	AT5G16110	771.5987	786.8525	763.579	691.6209	588.2709	723.7064	793.2587	889.0053	711.6833	569.0046	642.5513	603.9335	-0.211	0.146756	0.043351	0.817582	-0.35179	0.663367
AT5G16120	AT5G16120	280.5813	264.0684	309.037	335.7063	266.9743	315.9985	412.6368	376.5326	362.1873	248.5197	252.7635	282.8025	0.10255	0.576696	0.422467	0.007562	-0.12369	0.092339
AT5G16130	RPS7C	2025.892	2137.527	2286.874	2253.026	2463.716	2110.312	1630.093	1688.463	2044.259	2177.186	2270.88	2271.743	0.081679	0.587036	-0.26365	0.049912	0.058389	0.836799
AT5G16140	CRS2B	80.84547	92.78079	115.8889	116.7136	132.4935	103.6714	117.3881	130.5457	112.2683	184.2308	187.5771	136.7397	-0.280282	0.239068	-0.302098	0.330053	0.78508	0.002823
AT5G16150	GLT1	2046.104	2069.725	1851.647	1007.944	1091.084	1207.174	1125.858	1185.7	926.4574	1865.337	1672.23	1833.555	-0.84399	1.36E-11	-0.87161	3.84E-12	-0.14913	0.535672
AT5G16160	AT5G16160	9.511232	5.352738	9.01358	17.73387	13.91181	14.95261	9.782338	16.18335	15.16934	6.762825	14.63367	12.43088	0.779494	0.107601	0.606427	0.262897	0.371714	NA
AT5G16170	AT5G16170	16.64466	21.41095	16.73951	47.42779	45.04777	45.85468	49.80099	30.20892	33.19236	6.716749	7.982004	11.39497	1.259196	0.000223	0.985255	0.007477	-0.87713	0.156151
AT5G16180	CRS1	375.6396	353.2807	355.3926	353.4401	377.6063	387.7111	409.0796	426.1615	287.0163	379.0166	405.7519	393.6445	0.040805	0.849552	0.046987	0.83826	0.15737	0.731829
AT5G16190	CSL1A1	51.12287	44.60615	59.2321	58.56301	68.23413	57.81677	43.57587	62.57562	68.07357	77.72239	74.4987	55.93895	0.231018	0.45705	-0.11731	0.754048	0.393342	0.389772
AT5G16200	AT5G16200	15.45575	30.33218	29.61605	25.15735	35.77323	33.89259	28.45771	21.5778	58.57476	16.31211	17.29434	14.50269	0.303467	0.514551	0.492402	0.286061	-0.5436	0.458434
AT5G16210	AT5G16210	662.2195	661.9553	647.6901	447.8833	404.7675	485.4615	513.1281	607.415	289.9451	649.6056	645.212	527.2764	-0.54171	0.017462	-0.46785	0.051677	-0.11036	0.724916
AT5G16220	AT5G16220	357.8601	339.0067	301.3111	270.5446	236.5008	267.1533	310.3669	316.1148	198.1779	313.7682	348.5475	246.5458	-0.35639	0.098163	-0.26799	0.25603	-0.13384	0.852829
AT5G16230	S-ACP-DES3	4.755616	1.736984	3.862963	4.124166	3.312366	2.990522	2.66791	2.15778	6.833722	2.878607	5.321336	4.143626	-0.35588	0.614669	-0.25989	0.742929	-0.2257	NA
AT5G16235	AT5G16235	2.377808	0	2.575309	0.412416	0.662467	0.996841	0.889303	1.07889	0	1.919071	2.660668	2.071813	-0.56015	0.427074	-0.50537	0.492349	0.175384	NA
AT5G16240	S-ACP-DES1	139.1018	162.3664	166.1074	49.48987	48.36011	50.83888	64.91915	57.18117	67.36097	149.6876	160.9704	161.6014	-1.60897	5.77E-19	-1.26168	1.99E-11	0.018586	0.971051
AT5G16250	AT5G16250	179.5425	194.4828	158.3815	268.4825	255.7124	219.305	162.7425	159.6757	241.3329	199.5823	235.4691	253.7971	0.478263	0.020583	0.083791	0.764225	0.363891	0.26181
AT5G16260	ELF9	246.1031	267.6369	267.8321	271.7819	249.7502	222.2995	230.3296	251.3814	266.5152	288.0525	230.1478	231.0072	-0.05991	0.769337	-0.06068	0.783215	-0.06141	0.870405
AT5G16270	SYN4	495.5088	628.0546	512.4864	437.9853	480.9512	511.3793	473.1095	540.5239	370.9735	509.5134	550.7583	562.4972	-0.35594	0.054247	-0.40006	0.028502	-0.17516	0.585296
AT5G16280	AT5G16280	492.2062	469.2567	455.8296	319.6221	323.284	375.809	409.9689	426.1615	238.204	377.0975	450.9832	450.6193	-0.46632	0.026235				

AT5G16750	TOZ	197.3581	167.7191	211.1753	139.3965	145.0803	173.4503	151.1816	178.0168	158.1519	183.2713	175.6041	218.5763	-0.34389	0.065252	-0.24636	0.236094	-0.00157	0.997242
AT5G16760	ITPK1	334.082	387.1814	391.4469	340.6553	406.0924	384.7805	331.7102	316.1148	371.9497	295.537	316.6195	355.3159	0.023516	0.98089	-0.12053	0.520889	-0.19599	0.464701
AT5G16770	ATMYB9	13.07794	5.352738	7.75926	13.60971	10.59948	4.984204	9.782338	7.55223	10.79877	1.91937	1.939071	4.143626	0.158507	0.812377	0.05747	0.939452	-0.80635	NA
AT5G16780	DOT2	655.0861	529.9211	521.5	492.8366	488.9008	538.294	475.7774	517.8672	657.9898	489.3632	532.1336	493.0915	-0.16858	0.349127	-0.04928	0.823945	-0.17294	0.557232
AT5G16790	THO7A	19.02246	24.97944	12.87654	21.44651	23.18635	23.92418	20.45398	16.18335	19.52492	28.98839	22.61568	19.68222	0.264379	0.540336	0.014643	0.97869	0.226233	0.778505
AT5G16800	AT5G16800	183.0012	190.9143	198.2988	228.0658	249.0877	256.1881	239.2226	239.5136	278.2301	160.24301	133.0334	165.745	0.347695	0.030386	0.039765	0.018151	-0.30434	0.251622
AT5G16810	AT5G16810	238.9697	251.5787	239.5037	189.7112	191.453	188.4029	206.3184	187.7268	192.3055	274.4272	228.8174	276.587	-0.35023	0.027388	-0.30734	0.059931	0.102196	0.739252
AT5G16820	HSFA1B	189.0357	258.7157	193.1482	257.3473	264.3244	284.0996	281.0199	258.9336	204.0324	10.1383	215.5141	191.6427	0.323208	0.020415	0.232054	0.291057	-0.04266	0.927039
AT5G16830	SYP21	312.6817	344.3595	301.3111	407.0542	476.314	483.4678	564.7077	397.0315	358.2823	407.8026	505.5269	383.2854	0.499125	0.011718	0.453927	0.028694	0.424418	0.14486
AT5G16840	BPA1	407.7941	406.8081	372.1321	512.2201	581.6463	533.3098	510.4602	523.2616	466.6456	511.4325	529.4729	488.9479	0.450709	0.000228	0.335417	0.010709	0.362384	0.031113
AT5G16850	TERT	3.566712	1.736984	1.287654	2.474493	2.649869	5.981045	7.114428	4.31556	1.952492	2.878607	3.991002	8.287252	-0.09143	0.911061	0.154453	0.855259	0.267117	NA
AT5G16860	PCMP-H92	28.53369	16.05821	9.01358	22.68286	14.57428	21.9305	17.78607	21.5778	14.64369	15.35257	14.63367	24.86176	0.110749	0.839919	-0.01204	0.984654	0.018303	0.988816
AT5G16870	AT5G16870	55.87849	89.2123	88.84815	87.4321	74.19633	101.6778	78.25871	67.97007	105.4346	94.99403	95.78405	70.44164	0.167766	0.592604	0.113967	0.749019	0.160929	0.774305
AT5G16880	AT5G16880	1073.58	1366.732	1281.216	1765.551	1848.946	1991.688	1602.525	1618.335	1504.395	1179.269	1227.898	1034.871	0.586273	2.2E-06	0.3431	0.010411	-0.10977	0.664397
AT5G16890	AT5G16890	104.6235	89.2123	124.9025	99.39215	96.72022	103.6714	80.03731	98.17898	171.26596	11.73821	11.97301	89.08796	-0.09893	0.698614	-0.35827	0.1298	-0.2332	0.550539
AT5G16900	AT5G16900	1.188904	1.784246	0	9.073143	3.947804	7.974726	1.778607	0	0	0.995936	1.330334	1.035907	1.637073	0.00866	-0.21071	0.804027	0.033015	NA
AT5G16910	CLSD2	278.2035	246.226	169.9704	171.5649	188.8032	269.147	219.658	288.0636	189.3917	153.5257	142.3457	160.5655	-0.14444	0.61954	0.004644	0.989106	-0.57877	0.095621
AT5G16920	AT5G16920	8.322328	1.784246	5.150617	0.412416	0	0	0	0	0	0.595356	10.64267	5.179533	-1.7625	0.004683	-1.84079	0.003466	0.551732	NA
AT5G16930	AT5G16930	54.68958	24.97944	37.34198	33.81808	39.08557	36.88311	41.79726	42.07671	38.07359	33.58375	19.95501	42.47217	-0.1208	0.768607	0.025553	0.956731	-0.27416	0.675201
AT5G16940	AT5G16940	35.66712	55.31163	33.47901	30.51875	29.81103	26.9147	19.56468	23.73558	31.23987	61.41028	29.26735	40.40035	-0.44137	0.22494	-0.6558	0.083693	0.131338	0.88579
AT5G16950	AT5G16950	28.53369	16.05821	29.61605	56.08852	43.06037	32.89575	30.23632	33.44559	81.02842	20.15025	27.93701	40.40035	0.72129	0.09286	0.820303	0.061824	0.192493	0.838515
AT5G16960	AT5G16960	13.07794	5.352738	6.438272	15.67179	10.59948	22.92734	10.59948	15.10446	10.73871	17.2164	11.97301	26.93357	0.725368	0.149905	0.602322	0.076629	0.926611	NA
AT5G16970	P1	315.0595	296.1848	342.5161	347.6663	420.6667	470.5088	604.7264	563.1805	701.9209	289.7798	324.6015	332.526	0.360648	0.033148	0.952306	7.99E-10	-0.01459	0.976106
AT5G16980	AT5G16980	10.70014	16.05821	25.75309	49.07745	47.03518	60.80729	71.14428	61.49673	43.93107	21.10978	19.95501	19.68222	1.428326	1.89E-05	1.599928	1.95E-06	0.17392	0.83852
AT5G16990	P2	181.7583	239.089	252.3803	193.8353	177.5412	171.4566	192.0896	196.358	174.748	250.4388	224.8264	297.3052	-0.37329	0.026072	-0.32741	0.701014	0.125208	0.702132
AT5G17000	AT5G17000	167.6355	174.8561	172.5457	240.8507	259.6872	238.4449	271.2376	245.9869	246.9902	206.3002	194.2288	185.4273	0.515084	0.000473	0.563867	0.000189	0.185511	0.509723
AT5G17010	AT5G17010	196.1169	195.2294	239.5037	195.67037	193.4404	191.3934	262.3445	219.0147	230.3941	191.9071	182.2558	205.1095	-0.23549	0.879719	0.253565	0.205901	-0.03783	0.994139
AT5G17020	XPO1	985.6014	820.7532	843.3136	620.273	730.0389	813.4221	935.5473	986.1054	610.1537	663.9987	601.311	862.9101	-0.28688	0.206852	-0.06486	0.821619	-0.30704	0.377108
AT5G17030	UGT78D3	1.188904	1.784246	0	0.124216	1.324935	0	0.889303	0	0	0.995936	0	0.2071813	-0.16418	NA	-0.32085	NA	0.061676	NA
AT5G17040	UGT78D4	1.188904	5.352738	0	0.132747	2.649869	1.993682	0.889303	1.07889	0.976246	0.995936	2.660668	1.035907	0.014799	0.986862	-0.39452	0.615275	-0.16483	NA
AT5G17050	UGT78D2	170.0133	157.0137	154.5185	168.2656	166.2793	141.5514	113.8308	117.599	160.1043	158.3234	148.9974	153.3142	-0.00967	0.969723	-0.2939	0.170555	-0.06299	0.887938
AT5G17060	ATARF81B	41.61164	39.25341	45.67037	104.7536	93.40789	84.73147	56.91542	73.36452	81.02842	38.38143	27.93701	49.72351	0.901417	0.000883	0.484266	0.121326	-0.31256	0.568131
AT5G17070	AT5G17070	179.5245	192.6986	206.0247	265.5956	259.6872	233.2607	264.1231	238.4347	215.7504	215.8955	313.9588	241.3662	0.387831	0.036515	0.307478	0.128536	0.399271	0.136943
AT5G17073	0	0	0	0	0	0	0	0.107889	0	0	0	0	0	0	NA	0.16673	NA	0.0721	NA
AT5G17080	AT5G17080	2.377808	0	0	0	0	0	2.66791	0	0	0	1.330334	0	-0.38626	NA	0.041372	NA	-0.16032	NA
AT5G17090	AT5G17090	0	0	0	0.412416	0	0	0.889303	1.07889	0	0.995936	0	1.035907	0.043461	NA	0.357151	NA	0.373185	NA
AT5G17100	AT5G17100	0	0	0	0	0	0	0.889303	1.07889	0	0	0	1.035907	0	NA	0.34029	NA	0.182576	NA
AT5G17110	AT5G17110	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G17120	AT5G17120	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G17125	AT5G17125	5.94452	7.136984	1.287654	0.824831	1.324935	0.996841	0	2.15778	1.952492	0	2.660668	1.035907	-1.11155	0.091986	-0.93901	0.180761	-1.01158	NA
AT5G17130	AT5G17130	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT5G17140	AT5G17140	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT5G17150	AT5G17150	0	0	2.575309	3.299325	4.637271	1.993682	7.14428	5.39445	5.87476	2.878607	3.991002	5.179533	0.767226	0.254861	1.372868	0.033078	0.919938	NA
AT5G17160	AT5G17160	172.3911	135.6027	150.6556	164.5538	178.8662	166.4724	168.9677	149.9657	126.912	195.7453	214.1838	204.0736	0.139206	0.498945	-0.04812	0.849028	0.400415	0.120477
AT5G17165	AT5G17165	4.755616	3.568492	5.150617	6.958649	5.962205	4.984204	7.114428	2.15778	2.928738	11.51443	6.65167	7.251346	0.264191	0.705023	-0.10414	0.898482	0.669084	NA
AT5G17170	ENH1	773.9765	813.6162	860.1531	850.4009	845.9707	774.5453	1283.2625	1342.139	1803.126	1005.593	883.3418	1063.876	0.014394	0.947998	0.842065	1.37E-08	0.267378	0.28571
AT5G17180	AT5G17180	0	0	0	0.412416	0	0	0.107889	0	0	0	0	0	0.064603	NA	0.150774	NA	0	NA
AT5G17190	AT5G17190	291.2815	331.8698	310.3247	653.6787	671.0793	479.4804	571.8221	472.5538	923.5287	311.8491	297.9948	351.1723	0.91954	5.37E-05	1.038506	4.93E-06	0.042157	0.946773
AT5G17200	AT5G17200	0	0	0	0	0	0	1.778607	1.07889	0	0	0	2.071813	0.441334	NA	0.143284	NA	0.326081	NA
AT5G17210	AT5G17210	19.02246	19.62671	27.04074	30.93117	29.81103	23.92418	32.01493	32.3667	37.09735	35.50282	25.27635	29.00538	0.344209	0.36242	0.568562	0.129652	0.415431	0.498675
AT5G17220	GSTF12	26.15589	16.05821	25.75309	23.50769	39.74804	37.87995	30.24362	21.5778	41.97858	107.4668	62.5257	50.75942	0.483791	0.28041	0.38379	0.411553	1.517168	0.000558
AT5G17230	PSY1	2765.391	3133.136	2975.769	1743.281	1614.433	1563.046	1903.999	1882.663	1683.048	2912.191	3009.215	3258.962	-0.84203	9.28E-17	-0.69189	1.77E-11	0.049459	0.841727</

AT5G18633	AT5G18633	7.133424	3.568492	6.438272	0.412416	1.324935	3.987363	9.782338	6.47334	1.952492	5.757214	5.321336	12.43088	-1.10379	0.079705	0.054742	0.948781	0.32083	NA
AT5G18636	AT5G18636	5.94452	0	1.287654	1.649662	2.649869	3.987363	3.557214	2.15778	0.976246	6.716749	6.65167	5.179533	-0.03976	0.962899	-0.13576	0.877207	0.781525	NA
AT5G18640	AT5G18640	361.4268	460.3355	426.2136	367.4623	357.0699	429.6384	397.5187	438.0293	358.2823	443.3055	332.5835	398.824	-0.11029	0.578021	-0.05917	0.796279	-0.0773	0.838515
AT5G18650	AT5G18650	709.7757	747.5991	723.6617	759.2571	929.4416	781.5232	959.5585	856.6386	758.5431	662.0796	780.906	683.6983	0.177915	0.259754	0.23759	0.135364	-0.03704	0.917771
AT5G18660	DVR	1206.738	1218.64	1227.135	609.9626	667.767	696.7917	787.2929	897.6364	1058.251	1645.604	1873.11	1552.824	-0.87826	3.24E-11	-0.40778	0.004596	0.466975	0.00693
AT5G18661	AT5G18661	0	0	0	0	0.662467	0.996841	0.8899303	0	0	0	1.330334	0	0.267029	NA	0.151034	NA	0.19832	NA
AT5G18670	BAM9	273.4479	230.1677	187.9975	125.3743	104.6698	137.564	80.92662	64.7334	72.2422	211.0978	164.9614	193.7145	-0.89423	3.56E-06	-1.61176	6.7E-16	-0.26893	0.436537
AT5G18680	TULP1	306.7372	297.9691	323.2012	372.3066	363.8469	383.2898	415.3726	364.1398	304.1027	280.1978	267.3971	306.6283	0.172988	0.270005	0.318506	0.035685	-0.07671	0.808921
AT5G18690	AGP25	47.55616	26.76369	29.61605	26.80701	33.78583	17.94313	9.782338	17.26224	22.45366	40.3005	33.25835	36.25673	-0.36568	0.364743	-0.98391	0.012402	0.061198	0.949258
AT5G18700	RUK	305.5483	217.678	227.9148	120.4253	130.5061	127.9596	162.7425	172.6224	94.69586	229.329	280.7005	224.7917	-0.96138	1.28E-05	-0.78208	0.000672	-0.03808	0.949608
AT5G18710	AT5G18710	8.322328	1.784246	6.438272	3.71174	3.312336	3.987363	0	3.23667	0.976246	5.995356	6.65167	6.215439	-0.4509	0.511122	-1.18282	0.703747	0.304418	NA
AT5G18720	AT5G18720	0	0	1.287654	1.237247	1.987402	0	0.889930	2.15778	1.952492	0.995936	1.330334	2.071813	0.304411	0.679963	0.517442	0.472959	0.432987	NA
AT5G18730	AT5G18730	10.70014	24.97944	11.58889	18.97112	14.57428	12.95893	12.45025	10.7889	8.786214	16.31211	10.64267	12.43088	0.065461	0.910621	-0.4207	0.441893	-0.15766	NA
AT5G18740	AT5G18740	2.377808	1.736984	1.287654	2.062078	3.974804	4.984204	1.778607	1.07889	3.904984	2.878607	3.991002	6.215439	0.042284	0.960373	-0.31831	0.692642	0.242385	NA
AT5G18748	AT5G18748	0	0	0	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA	NA	NA
AT5G18750	AT5G18750	110.5681	74.93833	96.57408	123.7247	123.2189	130.5861	110.2736	152.1235	117.1495	85.39867	71.83803	81.83662	0.388671	0.07941	0.393351	0.094019	-0.2419	0.556992
AT5G18755	AT5G18755	0	0	0	0	0	0.996841	0	0	0	0	0	0	0.15625	NA	0	NA	0	NA
AT5G18760	AT5G18760	363.8046	289.0479	382.4333	261.0591	274.9239	238.2449	307.699	265.4069	205.0117	410.6812	429.6979	423.6858	-0.414	0.021182	-0.40801	0.030158	0.276199	0.332189
AT5G18770	AT5G18770	103.4346	123.113	109.4506	98.15491	105.3323	95.69671	104.0485	89.54786	80.05217	110.3466	109.0874	84.94434	-0.1526	0.522066	-0.27632	0.249811	-0.13245	0.762198
AT5G18780	AT5G18780	150.9908	121.3287	110.7383	273.8439	369.6567	328.9575	255.2301	214.6991	184.5105	98.83217	97.11438	87.01615	1.301085	1.02E-11	0.746526	0.000307	-0.42812	0.205579
AT5G18790	AT5G18790	36.85602	14.27397	27.04074	40.41673	52.99738	38.87679	35.57214	30.20892	67.36097	56.6126	67.84703	53.86714	0.64542	0.083622	0.653482	0.096835	0.137227	0.025782
AT5G18800	AT5G18800	286.5259	235.2505	297.4482	448.7081	464.3896	303.0396	35.2674	274.038	487.1468	311.8491	413.7339	359.4596	0.548544	0.023527	0.401104	0.127782	0.388355	0.318066
AT5G18810	SC128	2.377808	1.784246	1.287654	6.186234	7.94607	7.974726	0.889930	2.15778	6.833722	5.757214	5.321336	2.071813	1.207569	0.051993	0.380796	0.628619	0.644258	NA
AT5G18820	CPN60A	109.3792	82.07532	108.163	117.126	121.894	111.6462	84.48383	96.01212	88.83839	94.99403	90.46271	109.8601	0.209428	0.343161	-0.16793	0.507346	-0.03242	0.953003
AT5G18830	SPL7	319.8152	240.8732	305.1741	257.3473	249.7502	266.1565	311.2562	301.0103	254.8002	259.0746	300.6555	250.6894	-0.17091	0.344616	-0.00664	0.977467	-0.10683	0.752644
AT5G18840	AT5G18840	0	3.568492	1.287654	1.237247	1.324935	1.993682	0	1.07889	0.976246	1.919071	1.330334	4.146326	0.005648	0.995041	-0.37718	0.628991	0.379705	NA
AT5G18850	AT5G18850	46.36725	51.74313	27.04074	42.89122	37.09817	28.90838	29.34701	29.13003	74.1947	40.3005	65.18636	65.76708	-0.15959	0.743803	0.08418	0.877976	0.492631	0.461378
AT5G18860	AT5G18860	194.9802	187.3458	178.984	53.20161	59.62205	71.77254	84.48383	93.86342	42.95482	260.9937	231.4781	184.3914	-1.55074	6.93E-11	-1.28572	1.55E-07	0.261732	0.558789
AT5G18870	AT5G18870	0	0	0	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA	NA	NA
AT5G18880	AT5G18880	0	0	0	0	0	0	1.778607	0	0	0	1.330334	0	0	NA	0.264566	NA	0.174671	NA
AT5G18890	AT5G18890	0	0	0	0.412416	0	0	0.889930	0	0.976246	0.995936	0	1.035907	0.044268	NA	0.349147	NA	0.373578	NA
AT5G18900	PAH4	216.3805	228.3835	238.2161	316.7352	310.6972	288.087	241.0012	282.6692	304.5888	218.7741	223.4961	206.1454	0.421569	0.005121	0.27296	0.105545	-0.07432	0.835821
AT5G18910	AT5G18910	0	1.784246	0	0	0	0.996841	0	0	0.976246	0	0	0	-0.10084	NA	-0.07191	NA	-0.24963	NA
AT5G18920	AT5G18920	19.02246	12.48972	16.73951	33.40566	45.04777	22.92734	27.56841	26.97225	39.04984	33.58375	43.90102	31.0772	0.944897	0.011324	0.818147	0.041948	1.004139	0.048964
AT5G18930	SAMDCA	34.47821	21.41095	25.75309	12.37247	13.91181	11.96209	5.335821	8.63112	6.833722	26.867	15.96401	16.5745	-0.99197	0.01216	-1.71051	5.74E-05	-0.41338	0.567267
AT5G18940	AT5G18940	464.8614	501.3731	454.542	374.0609	567.7345	541.2845	630.5162	462.8438	571.1339	568.0451	462.9562	513.8096	0.057351	0.817523	0.225467	0.310565	0.120754	0.76249
AT5G18950	AT5G18950	55.87849	71.36984	56.65679	49.90228	59.62205	50.83888	45.35448	74.44341	69.31047	49.93632	67.84703	52.83123	-0.17657	0.579779	0.044432	0.907836	-0.10956	0.863358
AT5G18960	FRS12	284.148	235.5205	230.7743	144.3455	108.6446	170.4598	168.0784	200.6735	125.9357	210.1383	166.2917	211.3249	-0.75552	0.000846	-0.53434	0.028201	-0.2891	0.473723
AT5G18970	AT5G18970	68.95643	55.31163	74.68395	63.09598	74.19633	38.87679	44.46517	44.23449	79.07593	66.20796	69.17737	83.90843	-0.1561	0.67384	-0.23882	0.52771	0.124419	0.85825
AT5G18980	AT5G18980	184.2801	180.2088	167.3951	155.8931	147.7302	173.4503	160.9639	199.5946	135.6982	160.2424	166.2917	155.386	-0.1586	0.450863	-0.10068	0.673926	-0.14008	0.706832
AT5G18990	PMESS	0	0	0	1.324935	0	0	0	0	0	0	0	0	0.21675	NA	0	NA	0	NA
AT5G19000	BPM1	217.5694	246.226	200.8741	286.2164	258.3622	233.2607	220.5473	250.3025	243.0853	177.5141	151.6581	187.4991	0.237943	0.176643	0.106531	0.616292	-0.34413	0.184178
AT5G19010	MPK16	905.9448	847.5169	770.0173	634.2952	643.2557	653.9276	787.9229	799.4574	599.415	865.5011	933.8944	794.5403	-0.38121	0.009277	-0.20406	0.219378	0.038014	0.915822
AT5G19015	AT5G19015	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0	NA
AT5G19020	PCMP-E42	39.23383	35.68492	41.20494	44.9533	37.76063	73.76622	47.13308	61.49673	53.69353	31.66468	35.91902	35.22082	0.367807	0.275951	0.442654	0.207962	-0.17361	0.803834
AT5G19025	AT5G19025	28.53369	23.1952	37.34198	31.34358	25.17376	30.90206	33.79953	26.97225	21.47741	34.54328	50.55269	22.78994	-0.03953	0.934985	-0.11587	0.814634	0.220111	0.767306
AT5G19030	AT5G19030	47.55616	5.095887	29.61605	86.67027	77.50867	59.81045	52.46891	42.07671	112.2683	71.00564	53.21336	54.90305	0.693786	0.057047	0.579581	0.141152	0.391586	0.546902
AT5G19040	IPT5	1.188904	3.568492	1.287654	3.299325	1.987402	1.993682	6.251214	3.23667	4.88123	2.878607	3.991002	2.071813	0.17307	0.830358	0.793645	0.260438	0.311041	NA
AT5G19050	AT5G19050	160.502	181.9931	158.3815	228.8906	210.6646	245.2228	246.3371	248.1447	205.0117	410.0922	118.3997	165.745	0.445539	0.0126	0.478048	0.009552	-0.22095	0.507006
AT5G19060	AT5G19060	26.15589	26.76369	39.31482	12.37247	9.274542	7.974726	11.56095	17.26224	9.76246	32.62421	26.60668	27.75404	-1.08937	0.006126	-0.80147	0.066138	0.167865	0.84885
AT5G19070	AT5G19070	170.14703	62.44861	83.69753	111.3522	90.75802	95.69671	91.59826	97.10009	92.10508	76.76285	70.5077	72.51346	0.446529	0.04424	0.403419	0.094048	0.013733	0.988314
AT5G19080	LUL3	102.2457	82.07532	68.24568	73.82239	105.9948	100.6809	103											

AT5G19510	AT5G19510	1846.368	1962.671	2096.301	2274.884	2276.9	2082.4	1682.562	1849.217	2136.026	2089.869	2067.339	1569.398	0.166067	0.318557	-0.05844	0.772628	-0.04394	0.901453
AT5G19520	MS19	2.377808	3.568492	3.862693	16.08421	9.937009	19.93682	14.22886	11.86779	4.88123	0	1.330334	2.071813	1.665078	0.002519	1.175608	0.052094	-0.69515	0.612498
AT5G19530	ACL5	449.4057	303.3218	377.2827	243.2352	223.2515	233.2607	187.3027	203.9102	193.2967	372.2998	353.8688	282.8025	-0.68344	6.45E-05	-0.95159	3.18E-08	-0.16802	0.121498
AT5G19540	AT5G19540	958.2566	1141.917	1053.301	1064.032	1020.2	1118.455	1510.037	1515.84	1468.274	1185.986	1205.283	1286.596	0.024176	0.865948	0.510593	7.97E-07	0.223619	0.168441
AT5G19550	ASP2	514.7954	508.5101	531.8012	729.5632	735.3387	640.9686	613.6194	610.6517	630.6549	465.3748	453.6439	441.2962	0.436831	8.81E-05	0.251276	0.043162	-0.19199	0.319156
AT5G19560	ROPGEF10	0	1.784246	1.287654	0.824831	0	1.324935	0	0	0.972646	0.959536	3.991002	0	-0.09626	0.903585	-0.31704	0.0651372	0.241812	NA
AT5G19570	AT5G19570	51.12287	57.09587	65.67037	77.12171	81.48347	46.85152	40.90796	32.3667	91.76712	51.81492	59.86503	59.04667	0.23477	0.566275	-0.06701	0.089172	-0.02605	0.979707
AT5G19580	AT5G19580	30.9115	32.11643	30.9037	10.7228	8.612075	16.94629	16.00746	10.7889	14.64369	24.94793	17.29434	15.5386	-1.24757	0.000601	-1.04677	0.009024	-0.62134	0.310619
AT5G19590	AT5G19590	693.131	681.582	706.9222	1161.775	1393.169	1000.828	763.0224	732.5663	1279.858	795.455	989.7685	652.6211	0.745948	0.001004	0.400126	0.114389	0.218283	0.612836
AT5G19600	SULTR3	68.95643	28.54794	51.50617	25.56977	29.81103	32.89575	39.12935	39.91893	43.93107	70.0461	55.87403	54.90305	-0.76265	0.012632	-0.29377	0.42172	0.236308	0.685976
AT5G19610	GNL2	0	0	0	0	0	1.324935	1.993682	0	0	0	1.330334	0	0.500309	NA	0	NA	0.87763	NA
AT5G19620	OEPR0	379.2604	321.1643	357.9679	278.7929	219.9391	270.1439	261.4552	297.7736	241.1328	355.9877	301.9858	342.8851	-0.45674	0.004445	-0.40202	0.017892	-0.08036	0.821978
AT5G19630	AT5G19630	82.03437	87.42806	90.1358	113.8267	91.42048	105.6651	72.92289	97.10009	93.71962	87.31174	94.45371	94.26749	0.259465	0.264786	0.018289	0.953578	0.08517	0.866496
AT5G19640	NPF7.1	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G19650	OPF8	4.755616	5.352738	7.725926	5.773818	9.937009	9.968408	4.446517	1.07889	7.809968	11.51443	11.97301	8.287252	0.365205	0.565786	-0.29367	0.685511	0.632148	NA
AT5G19660	SBT6.1	196.1692	303.3218	199.5864	174.4518	162.3045	207.3429	196.5361	211.6424	151.3181	177.5141	183.5861	191.6427	-0.34478	0.119175	-0.30103	0.207873	-0.31688	0.365332
AT5G19670	AT5G19670	124.8349	87.42806	99.14938	68.04857	64.92179	74.76306	66.69776	75.5223	62.47974	92.11542	78.4897	95.3034	-0.58713	0.006785	-0.60209	0.008998	-0.22805	0.573562
AT5G19680	AT5G19680	296.0371	337.2212	356.6803	391.3824	459.0898	456.5531	499.881	375.4537	378.7384	328.1162	348.5475	336.6696	0.393543	0.006409	-0.26369	0.0099512	0.034111	0.927039
AT5G19690	STT3A	1072.391	975.9826	981.1926	1203.016	1066.572	1271.969	1039.596	1117.73	733.1607	847.27	832.7891	835.9766	0.220308	0.215483	-0.06758	0.759144	-0.26381	0.318906
AT5G19700	AT5G19700	2.377808	0	0	0	0	0	0.889303	0	0	0	0	1.035907	-0.41552	NA	-0.22014	NA	-0.19775	NA
AT5G19710	AT5G19710	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT5G19720	AT5G19720	0	0	0	0	1.324935	0.996841	0	1.07889	0.976246	0.959536	0	0	0.378805	NA	0.334197	NA	0.164369	NA
AT5G19729	AT5G19729	0	0	0	0	0.996841	0	0	0	0	0	0	0	0.15625	NA	0	NA	0	NA
AT5G19730	PME53	53.50068	53.52738	56.65679	32.99325	31.13596	31.8989	17.78607	20.49891	14.64369	74.84378	46.56169	52.83123	-0.72481	0.011583	-1.51135	8.13E-07	0.101955	0.877489
AT5G19740	AT5G19740	171.2022	148.0924	162.2444	61.03751	58.95959	63.79781	104.9378	103.5734	83.95716	189.9881	158.3097	152.2783	-1.36396	6.62E-14	-0.7074	0.00023	0.053808	0.90444
AT5G19750	AT5G19750	265.1256	328.3013	283.284	447.4709	493.5381	406.711	313.9241	289.1425	312.3987	328.1612	336.5745	291.0897	0.622573	1.15E-05	-0.069873	0.7291	0.128729	0.661433
AT5G19760	DTG	2079.393	2210.681	2383.448	1864.943	1853.583	1698.617	1680.784	1633.439	2018.877	2573.475	2431.85	219.2923	-0.2969	0.022456	-0.31988	0.016081	0.109455	0.654642
AT5G19770	TUBA5	2738.046	2663.879	2540.542	1585.738	1591.909	1796.307	1520.709	1772.616	1980.803	2285.614	2266.889	2239.63	-0.66989	8.37E-09	-0.58525	7.69E-07	-0.2235	0.242778
AT5G19780	TUBA5	2399.208	2189.27	2076.986	1447.991	1386.544	1686.655	1447.786	1822.245	1881.226	2031.337	1946.279	1923.678	-0.5547	3.73E-05	-0.3679	0.010313	-0.17363	0.475665
AT5G19790	RAP2-11	1.188904	3.568492	0	0.24831	0.662467	0.996841	0.889303	1.07889	0.976246	0	0	0	-0.26128	0.719089	-0.1809	0.816687	-0.74899	NA
AT5G19800	AT5G19800	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G19810	AT5G19810	0	0	2.575309	0	0	0	0	0	0	0.959536	1.330334	0	-0.47525	NA	-0.43718	NA	-0.04288	NA
AT5G19820	emb2734	1458.785	1129.428	1174.341	649.1421	586.2835	765.5737	819.9378	946.1865	705.8259	1006.553	973.8045	1080.451	-0.89907	6.81E-09	-0.59754	0.000235	-0.29378	0.252117
AT5G19830	AT5G19830	19.02246	26.76369	20.60247	28.86909	27.82363	35.88627	32.90423	24.81447	26.35864	22.06932	17.29434	20.71813	0.449235	0.226233	0.3397	0.421028	-0.09941	0.911596
AT5G19840	AT5G19840	92.73451	58.88012	75.97161	120.8378	103.3449	84.73147	84.48383	101.4157	65.40848	66.20796	67.84703	59.04667	0.421218	0.109294	0.11634	0.732219	-0.24566	0.618993
AT5G19850	AT5G19850	142.6685	119.5445	106.8753	139.3965	135.8058	120.6177	132.5062	108.9679	115.197	130.9688	102.4357	162.6733	0.10033	0.705023	-0.04917	0.87239	0.101152	0.836577
AT5G19855	AT5G19855	670.5418	822.5374	81.7742	712.2417	730.0389	701.7759	857.2886	841.5342	778.0681	971.0501	1142.757	802.8276	-0.13752	0.453621	-0.067214	0.571369	0.297436	0.229092
AT5G19860	AT5G19860	752.5762	699.4244	700.484	840.5029	977.8017	690.8107	800.3731	668.9118	1116.825	758.6269	1194.64	626.7235	0.212683	0.495889	0.253878	0.389214	0.244089	0.595343
AT5G19870	AT5G19870	7.133424	5.352738	9.01358	2.062078	1.324935	0.996841	1.07889	0.976246	0.959536	6.65167	10.35907	0	-1.44144	0.017394	-1.61655	0.009922	-0.02769	NA
AT5G19875	AT5G19875	16.64466	16.05821	9.01358	59.80026	51.00998	42.86415	16.00746	14.02557	18.54867	18.23118	21.28534	9.323159	1.737365	1.66E-06	0.187386	0.731689	0.17738	0.852376
AT5G19880	PER58	0	0	0	6.598649	8.612075	6.977885	8.003731	6.47334	11.71495	0.959536	0	0	-2.073233	0.000467	2.23904	0.00018	0.053971	NA
AT5G19890	PER59	0	0	0	0.824831	0	0	0	0	0	0	0	0	0.173038	NA	0	NA	0	NA
AT5G19900	AT5G19900	322.193	271.2054	215.0383	193.8353	192.778	218.3081	197.4254	236.2769	259.6814	197.6643	186.2468	207.1813	-0.41494	0.027648	-0.21935	0.310565	-0.44097	0.099471
AT5G19910	MED31	87.97889	51.74313	83.69753	79.18379	95.39529	68.78201	70.12785	72.92289	73.21845	68.12703	94.45371	75.62118	0.102478	0.741069	-0.0678	0.846852	-0.055082	0.93137
AT5G19920	AT5G19920	99.86793	73.15409	81.12222	71.34789	66.24673	63.79781	55.6903	53.9445	50.76497	47.97678	51.88302	80.80771	-0.32534	0.22637	-0.69042	0.009387	-0.47807	0.227791
AT5G19930	AT5G19930	86.78999	117.7602	99.14938	191.3608	204.0399	193.3871	151.1816	141.3346	140.5794	191.15588	65.18636	82.87252	0.950813	1.07E-07	0.156094	0.010269	-0.30496	0.378088
AT5G19940	PAP8	5175.299	6137.806	5872.991	3159.928	3444.167	3004.478	2995.174	2918.397	3814.193	6972.945	7399.318	6076.628	-0.82682	1.69E-09	-0.8094	0.434E-09	0.247576	0.282809
AT5G19950	AT5G19950	84.41218	87.42806	79.83457	118.3633	108.6446	97.9004	90.92662	94.94231	108.3633	78.68192	49.22236	56.97488	0.369027	0.142739	0.17023	0.556726	-0.4087	0.29285
AT5G19960	AT5G19960	79.65566	67.80135	73.3963	111.3522	102.6824	103.6714	98.71269	91.70564	163.0331	57.52714	83.81104	71.47755	0.497718	0.063747	0.643229	0.017451	-0.06729	0.920201
AT5G19970	AT5G19970	11.88904	14.27397	15.45185	8.939794	9.937009	13.95577	8.939305	5.39445	4.88123	15.35257	6.65167	15.5386	-0.26923	0.625145	-0.88451	0.095453	-0.0876	NA
AT5G19980	GON5T4	212.8138	205.1883	190.5728	293.2275	273.599	255.1912	177.8607	201.7524	171.8193	151.6066	170.2827	128.4524	0.432847	0.600245	-0.432847	0.494159	-0.43212	0.073405
AT5G19990	RPT6A	670.5299	679.7977	656.7037	700.6941	677.7996	739.6559	715	684.0162	878.6214	663.9031	661.176	781.0735	0.182338	0.240796	0.227558			

ATSG20490	XIK	1059.313	843.9484	772.5926	328.6952	262.337	471.5057	500.6779	606.3361	299.7075	756.1141	771.5937	766.5708	-1.27911	1.36E-07	-0.8887	0.000453	-0.21307	0.664315
ATSG20500	GRXC4	433.9499	381.8287	484.158	771.6295	749.913	633.9907	516.6853	496.2894	795.6405	525.8255	787.5577	677.4829	0.706376	0.000867	0.459339	0.046116	0.591717	0.039616
ATSG20510	ALS	51.12287	73.15409	64.38272	86.19486	103.3449	77.75358	59.15547	93.86342	104.4583	79.64146	66.5167	78.7289	0.507196	0.001318	0.631936	0.008448	0.26652	0.540551
ATSG20520	WAV2	583.7518	474.6094	552.4037	447.0585	479.6263	483.4678	518.4639	558.865	613.0825	476.8892	492.2236	486.8761	-0.19781	0.155777	0.062887	0.715404	-0.15015	0.52809
ATSG20540	BRXL4	90.3567	39.25341	60.51975	63.512	56.30972	49.84204	46.24378	51.78672	40.02609	54.69353	58.53469	54.07103	-0.17097	0.1610536	-0.46693	0.146143	-0.19871	0.734334
ATSG20550	ATSG20550	2.377808	3.568492	1.287654	5.361402	4.637271	5.981045	3.557214	0.0	0.0	0.0	0.0	0.0	0.767744	0.26346	-0.40013	0.166203	-0.32476	NA
ATSG20560	ATSG20560	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG20570	RBX1A	173.58	158.7979	181.5593	315.9103	296.7853	236.2513	241.0012	179.0957	351.4486	143.9303	180.9254	197.8581	0.697978	0.003757	0.561693	0.028106	0.018496	0.979708
ATSG20580	ATSG20580	141.4796	119.5445	131.3407	188.4739	164.9544	201.3618	165.4104	157.5179	137.6507	187.1094	186.2468	126.3806	0.47735	0.019489	0.218398	0.370896	0.329693	0.319931
ATSG20590	TBL5	187.8468	164.1506	193.1482	183.1125	152.3675	149.5261	154.7388	162.9124	139.6032	132.4159	190.2378	171.9605	-0.16115	0.461835	-0.25379	0.250307	-0.15023	0.694094
ATSG20600	ATSG20600	292.4704	312.2431	256.2432	184.7622	206.0273	188.4029	224.9938	252.4602	266.5152	255.2365	236.7994	252.7612	-0.55986	0.000135	-0.20423	0.239081	-0.19901	0.453238
ATSG20610	ATSG20610	387.5827	328.3013	280.7086	185.1746	166.2793	241.2355	200.9826	261.0914	215.7504	218.7741	246.1118	223.7558	-0.74224	0.764E-05	-0.54607	0.006144	-0.52358	0.046832
ATSG20620	UBQ4	571.8628	603.0752	632.2383	759.6695	815.4972	704.7664	715	700.1996	786.8543	644.8079	599.9806	652.6211	0.33462	0.005142	0.283108	0.025556	0.071515	0.781547
ATSG20630	GER3	1710.833	1516.609	1473.077	1490.057	1466.04	1681.67	3437.158	3512.866	4984.712	1875.892	1653.605	1921.607	-0.02044	0.928927	1.320349	4.2E-18	0.209817	0.468917
ATSG20635	GG3	35.66712	35.68492	32.19136	37.94223	34.4483	21.9305	23.12189	32.3667	21.47741	35.50282	43.90102	46.61579	-0.08728	0.833784	-0.40122	0.300984	0.263443	0.676985
ATSG20640	ATSG20640	2.377808	5.352738	1.287654	1.649662	3.974804	0.996841	3.557214	1.07889	2.928738	8.635821	2.660668	7.251346	-0.22215	0.779631	-0.09165	0.916896	0.750652	NA
ATSG20650	COPT5	252.0476	351.4965	316.763	338.5932	330.5712	282.1059	224.1045	263.2491	429.5482	347.3519	357.8598	252.7612	0.051672	0.873144	-0.00197	0.995579	0.05802	0.924762
ATSG20660	ATSG20660	681.2422	553.1163	571.7185	478.4021	460.4148	519.354	545.1143	599.8628	435.4057	519.1088	468.2776	556.2818	-0.3082	0.061822	-0.19276	0.297046	-0.22382	0.407216
ATSG20670	ATSG20670	23.77808	21.41095	20.60247	5.361402	3.974804	4.984204	5.335821	6.47334	13.66744	20.15025	18.62468	30.04129	-1.83418	2.51E-05	-1.17364	0.011773	0.07325	NA
ATSG20680	TBL16	164.0687	133.8185	155.8062	170.3276	132.4935	171.4566	156.5174	189.8846	122.0307	146.809	122.3907	131.5601	0.054987	0.84056	0.054581	0.905713	-0.17637	0.675201
ATSG20690	PKR6	0	1.784246	1.287654	0	0.662467	0	1.778607	0	0.972646	0	0	0	-0.39762	NA	0.026963	NA	-0.49342	NA
ATSG20700	ATSG20700	2399.208	2285.619	2316.49	1747.405	1453.453	1540.119	1220.124	1246.118	1310.122	2727.96	2760.443	2334.933	-0.55636	8.26E-07	-0.88282	1.5E-15	0.158163	0.434113
ATSG20710	BGAL7	9.511232	8.92123	10.30123	0.824831	0.662467	2.990522	1.778607	1.07889	1.952492	18.23118	9.312338	20.71813	-1.93057	0.000533	-1.66463	0.004614	0.684925	NA
ATSG20720	CPN21	2566.844	2754.876	2794.21	2949.184	2671.068	2448.241	2082.749	2171.805	3244.065	2920.826	2450.475	3174.018	-0.00766	0.976016	-0.11153	0.634062	0.07325	0.862045
ATSG20730	ARF7	388.5735	440.7088	394.0222	329.1076	315.3344	388.7679	465.0016	296.7788	360.7882	476.2596	308.7001		-0.40171	0.077178	-0.40171	0.041421	-0.2577	0.507006
ATSG20736	ATSG20736	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG20740	ATSG20740	136.724	130.25	159.6691	95.268	88.10815	56.81992	40.90796	56.10228	74.1947	170.7973	226.1568	127.4165	-0.77221	0.005161	-1.24822	6.35E-06	0.77427	0.582443
ATSG20750	ATSG20750	0	0	1.287654	0	0	0	1.778607	2.15778	0	0	0	0	-0.2994	NA	0.400627	NA	-0.24365	NA
ATSG20760	ATSG20760	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG20770	ATSG20770	0	0	0	0	0	0	1.07889	0	0	0	0	0	#N/A	NA	0.16673	NA	0	NA
ATSG20780	ATSG20780	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG20790	ATSG20790	3.566712	3.568492	2.575309	19.38353	16.56168	11.96209	6.225124	10.7889	12.6912	2.878607	1.330334	6.215439	1.748347	0.000921	1.150527	0.062184	0.048302	NA
ATSG20800	ATSG20800	0	0	0	0	0	0	1.778607	0	0	0	0	0	0	NA	0.26262	NA	0.150298	NA
ATSG20810	ATSG20810	5.94452	1.784246	5.150617	2.886909	1.987402	1.993682	5.335821	1.07889	3.904984	3.838143	2.660668	8.287252	-0.58162	0.40099	-0.21606	0.795296	0.11932	NA
ATSG20820	ATSG20820	4.755616	8.92123	18.02716	7.835986	9.274542	4.984204	3.557214	6.47334	9.76246	14.39303	18.62468	13.46678	-0.39397	0.504359	-0.53559	0.386127	0.453562	NA
ATSG20830	SUS1	303.1705	283.6951	250.1926	382.3092	388.8683	471.5057	615.398	599.8628	571.1309	285.9416	258.0848	299.1286	0.553043	0.000121	1.077066	4.03E-15	-0.00085	0.99816
ATSG20840	SAC4	649.1416	517.4313	530.5136	329.1076	363.6945	413.6889	470.4415	488.7371	324.1137	494.1608	508.1876	562.7456	-0.61005	0.000778	-0.39679	0.043967	-0.10994	0.778315
ATSG20850	RAD51	30.91155	21.41095	21.89012	32.99325	25.83622	23.92418	22.23259	15.10446	17.57243	27.82653	21.28534	29.00538	0.155355	0.720739	-0.39995	0.35823	0.063616	0.946861
ATSG20852	ATSG20852	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG20854	ATC2	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG20856	ATSG20856	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG20858	ATSG20858	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG20860	PMES4	3.566712	0	1.287654	2.062078	1.324935	0	0.889303	1.07889	0	0.995936	2.660668	0	-0.16329	0.834354	-0.4341	0.548894	-0.21008	NA
ATSG20870	ATSG20870	11.88904	8.92123	9.01358	2.886909	1.987402	2.990522	3.557214	4.31556	2.928738	10.55489	13.30334	5.179533	-1.42599	0.009583	-1.09279	0.066793	-0.40259	NA
ATSG20880	ATSG20880	30.91155	21.41095	45.0679	55.6761	54.98478	51.83572	46.24378	34.52448	46.85981	30.70514	27.93701	37.29264	0.673889	0.026096	0.341075	0.347659	-0.04296	0.960409
ATSG20885	ATSG20885	95.1232	71.36984	78.54691	106.4032	95.39529	72.76938	63.14055	66.89118	93.71962	101.7108	127.7121	89.08796	0.163246	0.586348	-0.13624	0.684351	0.345508	0.425722
ATSG20890	CTC2	1361.295	1229.346	1156.314	1030.214	1097.046	1108.487	891.0821	1119.888	1216.403	1210.934	1202.622	1094.953	-0.21023	0.166788	-0.21383	0.17978	-0.09434	0.745668
ATSG20900	TIFY3F	788.2433	942.0819	923.2482	1250.032	1247.426	1229.105	1506.48	1361.559	1315.98	996.9575	1073.58	853.587	0.486839	0.00013	0.652218	1.88E-07	0.139198	0.565661
ATSG20910	AIP2	126.0238	137.3869	132.6284	189.2987	198.0777	182.4219	184.0858	193.1213	136.6744	122.8206	159.6401	126.3806	0.517381	0.007029	0.36865	0.802028	0.038891	0.939955
ATSG20920	EMB1401	568.2961	496.0204	504.7605	552.2245	547.8604	563.215	536.25	572.8906	772.1106	497.999	428.3675	607.0412	0.080472	0.720739	0.254718	0.20961	-0.03811	0.946773
ATSG20930	TOUSLED	134.3461	148.0924	159.6691	145.1703	107.9822	165.4756	155.6225	172.1197	158.3234	145.0064	153.3142		-0.0816	0.762928	-0.02617	0.932612	0.049521	0.928252
ATSG20935	ATSG20935	17.83356	35.68492	20.60247	36.70499	28.48609	15.94945	46.24378	31.28781	61.5035	55.65307	74.4987	41.43626	0.170906	0.726203	0.843145	0.038337	1.108998	0.025916
ATSG20940	ATSG20940	14.26685	5.352738	12.87654	14.02213	18.54908	25.91786	18.67537	17.26224	8.786214	12.47396	10.64267	9.321359	0.64734	0.1819	0.338282	0.557159	-0.04743	NA
ATSG20950	ATSG20950	817.9659	833.2429	755.8531	1619.968	1364.683	1603.917	1225.46	1598.915	1302.312	593.9526	423.0462	580.1077	0.915087	4.62E-09	0.76			

ATSG22090	ATSG22090	910.7004	638.7601	741.6889	384.7837	368.9943	422.6605	473.9988	414.2937	436.382	780.1025	780.906	645.3698	-0.95202	2.74E-10	-0.78023	4.61E-07	-0.05799	0.876205			
ATSG22100	ATSG22100	89.1678	74.98333	99.14938	171.1523	154.3549	146.5356	160.9639	110.0468	147.7396	89.13238	111.8779	0.018056	0.00014	0.645943	0.004441	0.293629	0.459233				
ATSG22110	ATDPB8	42.80054	48.17464	36.05432	37.94223	41.73544	36.88311	27.56841	23.73558	20.35611	49.89585	37.24935	51.79533	-0.10196	0.780329	-0.75188	0.020125	-0.147533	0.817365			
ATSG22120	ATSG22120	237.7808	249.7944	229.2025	320.8593	335.8709	332.9448	315.7027	272.9592	271.3964	239.8839	223.4961	238.2585	0.461433	0.0008	0.264624	0.090868	-0.02496	0.949285			
ATSG22130	PIGM	83.22328	83.89556	84.98519	87.01969	78.17114	99.68408	63.14055	67.97007	62.47974	69.08657	61.19536	89.08796	0.061753	0.830612	-0.36883	0.15476	-0.18526	0.684575			
ATSG22140	ATSG22140	41.61164	14.27397	38.62963	27.63184	32.4609	20.93366	22.23259	22.65669	28.31113	33.58375	27.93701	33.14901	-0.22927	0.851439	-0.37752	0.377182	-0.03254	0.974472			
ATSG22150	ATSG22150	1.188904	0	1.287654	0.412416	0	0	1.07889	0.976246	0.959536	0	2.071813	-0.45043	NA	-0.09671	NA	0.092727	NA				
ATSG22160	ATSG22160	1.188904	0	0	0	0	0	0.889303	0	0	0	0	0	-0.29092	NA	-0.03919	NA	-0.19148	NA			
ATSG22170	ATSG22170	0	0	0	0	0	0	0.889303	0	0	0	1.330334	0	0	NA	0	NA	0.141773	NA	0.183636	NA	
ATSG22180	ATSG22180	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA	NA	NA	NA	
ATSG22190	ATSG22190	0	0	0	0	0	0	0	0	0	0.959536	0	0	0	NA	NA	NA	NA	NA	NA	0.171512	NA
ATSG22200	ATSG22200	3.566712	0	0	1.237247	0.662467	0.996841	0.889303	0	0.976246	0.959536	2.660668	0	-0.12303	0.873351	-0.28705	0.699003	-0.05368	0			
ATSG22210	ATSG22210	73.71204	73.15409	60.51975	73.82239	85.45828	54.82624	81.81592	52.86561	168.8906	76.76285	131.7031	96.33931	0.046997	0.922914	0.504635	0.207822	0.502186	0.400342			
ATSG22220	E2FB	41.61164	33.90067	34.76667	35.05532	45.71024	42.86415	56.02612	53.9445	39.04984	49.89585	47.89202	37.29264	0.128904	0.975578	0.399947	0.23474	0.262747	0.646732			
ATSG22240	OPF10	1.188904	0	1.287654	1.237247	0.662467	0.996841	1.778607	1.07889	4.88123	2.878607	1.330334	1.035907	-0.02633	0.975582	0.638461	0.381634	0.349948	NA			
ATSG22250	CAF1-11	17.83356	30.33218	15.45185	115.4764	132.4935	188.4029	201.8179	231.9613	332.8999	19.19071	15.96401	23.82585	2.582724	1.27E-17	3.371974	9.06E-30	-0.06508	0.946773			
ATSG22260	MS1	4.755616	3.568492	2.575309	0	0	1.778607	0	0	0	2.878607	5.321336	0	-1.50798	0.104244	-1.00686	0.132549	-0.23221	NA			
ATSG22270	ATSG22270	101.0568	146.3082	128.7654	284.9792	312.0221	211.3302	183.1965	132.7035	287.9926	132.4159	210.1928	134.6678	1.051358	0.00148	0.649998	0.034181	0.232332	0.543547			
ATSG22280	ATSG22280	196.1692	221.2465	220.1889	380.2472	402.7801	336.9322	345.9391	270.8014	354.3773	233.1672	248.7725	234.1419	0.805976	1.53E-07	0.601727	0.000207	0.165329	0.595848			
ATSG22290	NAC089	85.60108	114.1917	93.99877	252.3983	212.652	211.3302	191.2002	178.0168	160.1043	94.94003	62.5257	80.80071	1.192582	3.73E-10	0.840165	3.25E-05	-0.26372	0.503347			
ATSG22300	NIT4	36.85602	55.31163	48.93086	134.8599	145.7428	120.6177	316.592	327.9825	314.3512	45.09817	42.57069	46.61579	1.482644	2.85E-13	2.713166	3.39E-44	-0.04669	0.942666			
ATSG22310	ATSG22310	128.4016	96.34929	109.4506	80.83345	82.14594	87.72199	69.35657	76.60119	79.07593	71.96517	65.18636	74.58527	-0.42118	0.043016	-0.56829	0.008837	-0.64591	0.019566			
ATSG22315	ATSG22315	0	0	0	0.412416	0	0.996841	0	0	0	0	0	0	0.224618	0	0	NA	0	NA			
ATSG22320	ATSG22320	248.4809	192.6986	236.9284	319.2097	373.6315	346.9006	358.3893	268.6436	333.8761	204.3811	216.8444	204.0736	0.594754	0.000271	0.48713	0.004788	-0.1255	0.721187			
ATSG22330	RIN1	216.3805	203.404	213.7506	296.9392	274.2615	287.091	277.866	247.0658	217.7029	231.2481	215.5141	204.0736	0.430785	0.003005	0.169992	0.336916	0.036236	0.924762			
ATSG22340	ATSG22340	687.1865	738.6779	791.9074	610.6785	675.7166	643.9591	788.8122	749.8285	675.5622	934.5877	1038.991	926.1004	-0.19908	0.129131	-0.0015	0.9932	0.382174	0.014631			
ATSG22350	ELM1	184.2801	205.1883	229.2025	297.3516	331.8961	328.9575	308.5883	279.4325	243.0853	191.5701	199.5501	196.8222	0.619055	5.91E-05	0.0	NA	0.07148	0.012223			
ATSG22355	ATSG22355	0	0	0	0	0	0.889303	0	0.976246	0	0	0	0	0	NA	0	NA	0.309898	NA			
ATSG22360	VAMP714	501.7175	578.0957	643.8272	750.5963	905.5928	704.7664	798.5945	690.4896	734.137	620.8196	710.3983	517.9533	0.447212	0.008097	0.361623	0.043986	0.098121	0.784341			
ATSG22370	EMB81705	121.2682	115.976	233.0654	229.7155	209.3397	245.2228	247.2264	207.1469	137.6507	159.2829	137.0244	174.0323	0.507429	0.075171	0.30991	0.336202	-0.00399	0.996123			
ATSG22380	NAC090	8.322328	14.27397	14.1642	125.3743	139.7806	134.5735	62.25124	75.5223	76.14719	7.622628	6.65167	2.071813	3.233019	2.84E-26	2.345513	1.8E-13	-0.86333	0.190551			
ATSG22390	ATSG22390	161.6909	174.8561	253.6679	91.96867	95.39529	75.7599	35.57214	47.47116	55.64602	222.6123	186.2468	188.353	-1.12008	1.85E-07	-2.00864	9.26E-19	-0.01863	0.977933			
ATSG22400	ROPAP1	156.9353	126.6815	185.4222	146.4075	173.5664	138.5609	113.8308	124.0723	125.9357	176.5546	192.8984	164.7091	-0.04043	0.871221	-0.37016	0.079549	0.168938	0.642076			
ATSG22410	PER60	1.188904	1.784246	0	0	0.662467	0	0.889303	0	0	0	0.959536	0	-0.35544	NA	-0.28887	NA	-0.47175	NA			
ATSG22420	FAR7	2.377808	0	0	0	0	0	0	0	0	0.959536	0	0	-0.38193	NA	-0.36181	NA	-0.19229	NA			
ATSG22430	ATSG22430	91.5456	164.1506	106.8753	54.85127	53.65985	8.971567	51.5796	32.3667	30.26363	202.462	154.3187	213.3967	-1.28683	0.00993	-1.32468	0.009552	0.548364	0.537149			
ATSG22440	RPL10AC	880.9778	188.9689	919.3852	806.6849	981.7765	794.4821	787.9229	702.3574	755.6144	877.9751	806.1824	972.7162	-0.02095	0.910125	-0.22008	0.150927	0.020056	0.957023			
ATSG22450	ATSG22450	473.5167	508.5101	424.9259	427.2625	360.3822	433.6257	461.5485	568.575	356.3298	405.8836	383.1362	395.7163	-0.16609	0.442007	-0.01778	0.945279	-0.2023	0.540008			
ATSG22460	ATSG22460	102.2457	76.72258	106.8753	10.31039	5.962205	10.96525	8.003731	3.23667	5.857476	104.5894	79.82004	83.90843	-3.16605	1.00E-26	-3.57722	2.43E-25	-0.0883	0.887196			
ATSG22470	PARP3	0	0	0	0.662467	0	3.575214	1.07889	0	0.959536	1.330334	1.035907	0	0.024365	NA	0.737348	NA	0.525554	NA			
ATSG22480	ATSG22480	152.1797	146.3082	169.9704	188.4739	161.642	172.4533	133.3955	156.439	116.1733	118.9824	174.2738	112.9138	0.15431	0.521701	-0.20566	0.415553	-0.21458	0.584953			
ATSG22490	ATSG22490	7.133424	5.352738	2.575309	2.886909	1.987402	2.990522	0.889303	1.07889	0	3.838143	2.660668	8.287252	-0.58961	0.396381	-1.35784	0.039191	0.018623	NA			
ATSG22500	FAR1	171.2022	152.6699	184.1346	129.9109	112.6194	132.5798	90.60199	94.94231	80.05217	115.6066	226.1568	158.4937	-0.42901	0.041171	-0.86223	3.41E-05	0.064594	0.894073			
ATSG22510	INVE	992.7348	105.9641	918.0975	768.7426	607.4825	767.574	920.4291	1022.788	741.947	940.3449	1149.409	999.6498	-0.44897	0.006203	-0.12671	0.52771	0.071367	0.84833			
ATSG22520	ATSG22520	13.07794	14.27397	11.58889	63.61834	115.2693	100.6809	119.1667	105.7312	220.6316	3.838143	18.62468	14.50269	2.650315	1.52E-13	3.143354	5.89E-17	-0.11936	0.902964			
ATSG22530	ATSG22530	2.377808	1.784246	7.725926	58.97543	60.28452	68.78201	81.81592	49.62894	143.5082	0.959536	2.660668	2.071813	3.188003	8.56E-13	3.646877	5.44E-17	-0.59726	0.551316			
ATSG22540	ATSG22540	8.322328	5.352738	6.438272	92.7935	82.80841	110.6493	105.8271	98.17898	92.74337	3.838143	2.660668	4.143626	3.36767	3.84E-22	3.422174	1.37E-22	-0.62499	0.456253			
ATSG22545	ATSG22545	2.377808	5.352738	2.575309	55.6761	58.29712	60.08729	17.78607	15.10446	41.00233	0.959536	2.660668	1.035907	3.344396	2.15E-13	2.185106	6.81E-06	-0.56009	0.597722			
ATSG22550	ATSG22550	4.755616	0	0	21.03319	20.53649	20.93366	35.85821	2.15778	2.928738	2.878607	0	1.035907	2.551576	3.16E-06	0.463629	0.533926	-0.18852	NA			
ATSG22555	ATSG22555	0	0	0	0.662467	0	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA			
ATSG22560	ATSG22560	3.566712	1.784246	1.287654	28.86909	34.4483	32.89575	2.66791	0	0.976246	0	2.660668	1.035907	3.072606	2.88E-09	-0.43866	0.564115	-0.47368	NA			

ATSG23040	CPP1	993.9237	1077.685	1043	979.487	1065.247	903.1377	1073.389	955.8965	1425.319	974.8882	889.9934	1060.768	-0.07656	0.707795	0.147893	0.455315	-0.08728	0.805161
ATSG23050	AAE17	153.3686	190.9143	160.9568	107.6405	125.2063	163.4819	256.1194	270.8014	249.919	188.669	145.0064	196.8222	-0.35328	0.098919	0.61282	0.002387	0.806656	0.864774
ATSG23060	CAS	5339.368	5716.724	6000.469	2374.276	2454.441	2394.412	3047.643	2752.248	2442.567	6480.704	6522.627	6191.613	-1.22987	2.05E-34	-0.10462	0.874E-25	0.169189	0.342873
ATSG23065	MIR162B	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG23070	ATSG23070	133.1572	112.4075	118.4642	116.3012	110.632	103.6714	101.806	96.0212	162.0568	119.942	139.6851	120.1652	-0.13471	0.620945	-0.02191	0.946639	0.049967	0.931292
ATSG23080	TGH	296.0371	233.7362	204.737	191.3608	188.1407	218.3081	203.6505	228.7247	236.2515	199.5834	220.8354	198.8941	-0.30136	0.101356	-0.13836	0.524363	-0.24817	0.410018
ATSG23090	DR1	85.60108	119.197	109.4506	207.0326	200.7276	169.6429	201.8719	148.8868	162.0568	126.6587	109.0874	129.8483	0.893692	4.13E-06	0.722478	0.000418	0.246598	0.51664
ATSG23100	ATSG23100	52.31177	23.1452	37.34198	38.35465	37.76063	42.86415	40.01866	40.99782	46.85981	43.1791	51.88302	72.51346	0.026347	0.951293	0.131669	0.755812	0.499305	0.319624
ATSG23110	ATSG23110	945.1786	578.0957	477.7198	223.5292	188.8032	350.888	360.1679	487.6583	198.1779	422.1957	397.7699	421.614	-1.24755	0.001006	-0.84016	0.039296	-0.61855	0.31633
ATSG23120	HCF136	1926.024	2110.763	2048.658	1042.587	927.4542	1072.601	1550.945	1808.22	1684.024	2261.625	2199.042	2297.641	-0.99215	1.06E-22	-0.26866	0.018794	0.15129	0.414289
ATSG23130	ATSG23130	82.03437	58.88012	55.36914	44.54088	50.34751	53.8294	74.70149	66.89118	63.45599	47.01275	70.5077	37.29264	-0.40282	0.169188	0.052775	0.890973	-0.35364	0.472544
ATSG23140	CLPP2	191.4135	178.4246	239.5037	225.5913	227.8887	220.3018	216.99	190.9635	276.2776	170.7973	178.2648	236.1867	0.137365	0.563839	0.159288	0.521717	-0.05991	0.901923
ATSG23150	HUA2	502.9064	462.1197	351.5296	281.2674	213.3145	319.9859	351.2749	430.4771	240.1565	335.8375	313.9588	304.5565	-0.67085	0.003337	-0.35338	0.169787	-0.44717	0.203912
ATSG23155	ATSG23155	11.88904	12.48972	3.826923	14.84696	11.26194	14.95261	11.56095	8.63112	11.71495	11.51443	11.97301	4.143626	0.470671	0.387955	0.162585	0.811455	-0.02172	NA
ATSG23160	ATSG23160	1.188904	1.784246	1.287654	16.49662	16.56168	21.9305	8.893035	7.55223	17.57243	1.919071	2.660668	1.035907	2.446169	4.76E-06	1.830134	0.001338	0.064838	NA
ATSG23170	ATSG23170	14.26685	10.70548	15.45185	5.773818	6.624673	8.971567	8.003731	3.23667	6.833722	7.676285	5.321336	12.43088	-0.80286	0.119628	-0.92492	0.09307	-0.54166	NA
ATSG23180	ATSG23180	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG23190	CYP86B1	2.377808	5.352738	0	3.299325	3.312336	2.990522	0.889303	3.23667	2.928738	2.878607	1.330334	3.10772	0.258064	0.742841	-0.03152	0.971995	0.031346	NA
ATSG23200	ATSG23200	77.27876	94.56504	108.163	91.14384	86.78321	83.73463	63.14005	90.62675	99.57709	86.35821	83.81104	97.37521	-0.08598	0.769138	-0.14077	0.639848	-0.05734	0.921904
ATSG23210	SCPL34	171.5694	240.8732	233.0654	221.0547	165.6168	247.2165	268.5697	244.908	209.8929	190.9476	220.8354	192.6786	-0.12484	0.577269	0.067039	0.795755	-0.19035	0.59327
ATSG23212	ATSG23212	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG23220	NIC3	0	0	1.287654	0	0	0	0	1.07889	0	0	0	0	-0.25532	NA	-0.03893	NA	-0.0356	NA
ATSG23230	NIC2	1.188904	1.784246	0	2.886909	3.312336	1.993682	1.778607	1.07889	1.952492	0.959536	0	2.071813	0.717928	0.297463	0.26605	0.746113	0.030894	NA
ATSG23235	ATSG23235	7.133424	5.352738	10.30123	4.948987	4.637271	3.987363	28.45771	14.02557	10.73871	6.716749	9.312338	9.323159	-0.58953	0.314703	1.007151	0.062801	0.086582	NA
ATSG23240	ATSG23240	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG23250	ATSG23250	204.4915	223.0308	215.0383	215.6933	209.3397	216.3144	183.1965	188.8057	236.2515	223.5718	200.8804	205.1095	0.000494	0.998724	-0.07485	0.728593	-0.02309	0.958517
ATSG23260	TT16	2.377808	0	0	0	0.662467	0	0.889303	2.15778	0.972646	0	0	1.035907	-0.37862	NA	0.21941	NA	-0.24582	NA
ATSG23270	STP11	5.94452	8.92123	6.438272	0.412416	1.324935	0.996841	3.557214	4.31556	2.928738	6.716749	10.64267	10.35907	-1.80464	0.00204	-0.67849	0.313109	0.34355	NA
ATSG23280	TCP7	473.1838	515.6471	463.5556	249.9238	239.1507	283.1028	375.2861	394.8737	382.1184	469.2129	432.3585	455.9789	-0.90589	2.86E-14	-0.32689	0.013617	-0.09124	0.721971
ATSG23290	PDF5	172.3911	155.2294	185.4222	234.6645	293.473	207.3429	234.7761	145.6501	283.1113	197.6643	226.1568	229.9712	0.499301	0.039471	0.355907	0.183379	0.331553	0.410963
ATSG23300	PYRD	72.52314	53.52738	72.10864	71.34789	70.22155	58.81361	50.6903	48.55005	71.26596	58.53167	43.90102	75.62218	0.012549	0.972479	-0.21898	0.514493	-0.14847	0.801219
ATSG23310	FSD3	281.7702	260.4999	294.8728	425.6129	433.9161	372.8185	342.3818	319.3514	439.3107	278.2653	268.7275	353.2441	0.546698	0.001661	0.384768	0.041426	0.10158	0.902927
ATSG23320	ICMTA	15.45575	24.97944	32.19136	22.68286	31.79843	21.9305	22.23259	22.65669	10.73871	12.47396	34.58868	15.5386	0.077391	0.890243	-0.32621	0.540663	-0.21014	0.827392
ATSG23330	RBF1	107.0014	99.91178	103.0123	174.4518	152.3675	132.5798	137.842	149.9657	136.6744	114.1847	101.1054	93.23159	0.564663	0.003367	0.43727	0.037379	-0.00774	0.990203
ATSG23340	ATSG23340	238.9697	251.5787	266.5444	245.7997	264.9869	282.1059	333.4888	302.0892	313.375	238.9244	238.1298	249.6535	0.05908	0.741285	0.323784	0.030865	-0.05717	0.866061
ATSG23350	ATSG23350	27.34479	26.76369	24.46543	14.84696	12.58688	9.968408	18.67537	15.10446	24.40615	32.62421	30.59768	30.04129	-0.93136	0.010762	-0.38759	0.367617	0.235951	0.74338
ATSG23360	ATSG23360	29.7226	37.46917	41.20494	30.51875	49.02258	50.83888	32.90423	30.20892	44.90732	53.734	59.86503	42.47217	0.225793	0.546196	0.000615	0.998932	0.489879	0.349624
ATSG23370	ATSG23370	51.151232	7.136984	10.30123	2.886909	1.987402	1.993682	6.225124	8.63112	1.952492	4.797678	5.321336	6.215439	-1.37903	0.015624	-0.53088	0.427906	-0.55473	NA
ATSG23380	ATSG23380	60.6341	71.36984	64.38272	100.6294	118.5612	107.1251	105.8212	98.9679	106.76285	101.1054	62.15439	66.67269	0.647255	0.005336	0.686629	0.004231	0.207756	0.538161
ATSG23390	ATSG23390	328.1375	319.38	319.3833	307.0456	340.5082	381.79	377.0647	346.3237	269.4439	299.3751	313.9588	307.6642	0.110949	0.551433	0.037815	0.865731	-0.07044	0.848756
ATSG23395	MIA40	102.2457	92.78079	100.437	150.1193	162.9669	133.5767	109.3843	96.0212	141.5557	94.0349	110.4177	116.0215	0.580313	0.005238	0.221239	0.387187	-0.10459	0.830895
ATSG23400	ATSG23400	98.67903	49.95889	83.69753	33.81808	27.82363	40.87047	48.91169	63.65451	24.40615	63.32935	85.14137	62.15439	-1.1165	0.00063	-0.72421	0.041129	-0.15232	0.837272
ATSG23405	HMG812	78.46766	58.80012	96.57408	167.8531	168.2667	157.5008	135.1741	114.3623	165.9618	96.9131	58.53469	80.80071	1.023992	0.704E-06	0.781576	0.001242	0.009811	0.989819
ATSG23410	ATSG23410	61.82301	51.74313	47.64321	66.39891	66.90919	68.78201	70.25498	53.9445	71.26596	54.69353	54.54369	67.33392	0.303931	0.258374	0.264404	0.035384	0.121204	0.8344
ATSG23411	ATSG23411	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG23413	ATSG23413	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
ATSG23420	HMG87	254.4254	249.7944	293.5852	206.2078	272.9365	232.2639	150.2923	149.9657	221.6078	347.3519	340.5655	337.7055	-0.16619	0.449123	-0.59877	0.002287	0.352754	0.226969
ATSG23430	ATSG23430	162.8798	115.976	135.2037	93.61834	94.07035	117.6272	122.7239	103.5734	84.9334	131.4564	118.3997	113.9497	-0.45015	0.039141	-0.40743	0.083104	-0.19899	0.644822
ATSG23440	FR1A1	219.9472	192.6986	175.121	153.0062	213.9769	134.5735	184.9751	146.729	466.6456	153.5257	238.1298	250.6894	-0.1985	0.707618	0.384921	0.451731	0.110085	0.915822
ATSG23450	LCBK1	49.03337	75.11676	68.63198	466.8544	389.5308	588.1361	526.6747	641.9395	467.6128	660.1605	598.6503	666.0789	-0.66842	0.000212	-0.48973	0.010407	-0.25873	0.40809
ATSG23460	ATSG23460	49.99393	39.25341	42.49259	42.89122	44.38531	28.90388	33.12562	40.99782	33.19236	40.3005	22.61568	45.57989	-0.15481	0.684153	-0.31461	0.40987	-0.2485	0.694775
ATSG23470	ATSG23470	0	0	0	0	0	0	0	0	0.995936	0	0	0	0	NA	0			

ATSG23980	FRO4	60.6341	41.03766	39.91728	9.485558	9.274542	5.981045	16.00746	14.02557	19.52492	22.06932	50.55269	40.40035	-2.20684	1.17E-09	-1.37742	0.000222	-0.32584	0.627815
ATSG23989	ATSG23989	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG23990	ATFROS	3.566712	3.568492	3.862963	0.412416	1.324935	0	1.778607	3.23667	0	0.995936	2.660668	1.035907	-1.162	0.075879	-0.59844	0.42538	-0.66068	NA
ATSG24000	ATSG24000	118.8904	99.91778	106.8753	85.37002	97.38269	88.71883	169.857	126.2301	114.2208	117.0633	168.9524	114.9856	-0.26217	0.307763	0.319722	0.221626	0.274143	0.506385
ATSG24010	ATSG24010	116.5126	101.702	106.8753	85.37002	97.38269	88.71883	169.857	126.2301	114.2208	117.0633	168.9524	114.9856	-0.76216	0.000212	-0.29915	0.214587	-0.03733	0.946773
ATSG24020	MIND1	332.8931	297.9691	325.7765	281.2674	314.0095	285.0965	300.7586	407.4836	423.6908	330.0866	315.2892	359.4116	-0.12108	0.542788	0.104045	0.631133	-0.067923	0.862386
ATSG24030	SLAH3	180.7134	128.4657	96.57408	69.69823	70.884	119.6209	104.0485	117.599	128.8645	114.1847	141.0154	109.8061	-0.63397	0.022069	-0.20551	0.542369	-0.15323	0.791922
ATSG24040	ATSG24040	0	0	0	0	0	0	0.889303	1.07889	0	0	0	2.071813	0	NA	0.317529	NA	0.33534	NA
ATSG24050	ATSG24050	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG24060	ATSG24060	431.5721	503.1574	513.7741	591.4039	553.8226	686.8233	972.898	1035.734	734.137	605.467	609.293	642.262	0.33175	0.052149	0.90654	5.65E-09	0.353651	0.148892
ATSG24065	ATSG24065	5.94452	1.784246	1.287654	1.649662	0.662467	0	9.35821	1.07889	4.88123	1.919071	9.312338	3.10772	-0.83434	0.22303	0.180635	0.83465	0.338501	NA
ATSG24070	PER61	0	0	0	0	0	0	0.889303	1.07889	0	0	1.330334	0	0	NA	0.141773	NA	0.183636	NA
ATSG24080	ATSG24080	0	0	0	2.886909	2.649869	2.990522	10.67164	14.02557	0.976246	0	3.991002	1.035907	0.95847	0.148026	1.975361	0.001428	0.559279	NA
ATSG24090	CHIB1	0	0	2.575309	6.186234	5.299738	3.987363	0.889303	4.31556	3.904984	1.919071	0	2.071813	1.246515	0.052341	0.677606	0.357419	0.155698	NA
ATSG24100	ATSG24100	0	0	1.287654	0	0	0	0.889303	0	0	0	0	0	-0.21946	NA	-0.0473	NA	-0.20113	NA
ATSG24105	AGP41	17.83356	12.48972	19.31482	0.824831	0.662467	0	0.889303	1.07889	3.904984	21.10978	26.60668	44.54398	-2.9989	7.06E-09	-2.21405	2.82E-05	0.81893	NA
ATSG24110	WRKY30	9.511232	10.70548	6.438272	35.46774	43.72284	47.84836	35.57214	45.31338	28.31113	6.716749	3.991002	3.10772	1.996623	2.81E-07	1.79091	8.77E-06	-0.661	0.428336
ATSG24120	SIGE	640.8192	619.1334	548.5407	270.957	321.9591	274.1312	289.0236	233.0402	171.8193	620.8196	534.7943	547.9946	-1.03703	2.11E-09	-1.34783	1.03E-14	-0.08277	0.841759
ATSG24130	ATSG24130	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
ATSG24140	SEQ4	2.377808	0	1.287654	3.299325	1.324935	2.990522	3.557214	1.07889	1.952492	1.919071	1.330334	0	0.450162	0.541349	0.322828	0.688485	-0.1176	NA
ATSG24150	SEQ5	870.2777	692.2875	719.7988	362.1009	319.3092	356.869	469.5522	402.4259	315.3275	1318.402	1375.565	1118.779	-1.11587	5.98E-12	-0.92508	2.39E-08	0.72455	0.000204
ATSG24155	ATSG24155	10.70014	16.05821	24.46543	8.248311	9.937009	2.990522	7.822338	19.42002	18.54867	44.13864	47.89202	12.75404	-0.9997	0.035953	-0.09235	0.885055	1.011403	0.107957
ATSG24160	SEQ6	225.8917	208.7568	213.7506	638.8317	582.9712	691.8075	1086.729	1088.6	854.2152	253.3174	301.9858	196.8222	1.523206	7.72E-20	2.175144	5.99E-40	0.19968	0.561709
ATSG24165	ATSG24165	172.3911	203.404	189.2852	283.7419	292.1481	201.3618	198.3147	176.938	569.1514	271.5486	352.5385	343.921	0.401757	0.398177	0.646965	0.163906	0.677597	0.309787
ATSG24170	ATSG24170	70.14533	89.2123	77.25926	70.93548	100.695	67.78517	91.59826	67.97007	89.81463	81.56053	119.7301	68.36983	0.026542	0.943467	0.062542	0.821618	0.175979	0.753873
ATSG24180	ATSG24180	0	0	0	0.824831	0	0	1.07889	0	0	0	0	0	0.135652	NA	0.145594	NA	0	NA
ATSG24190	ATSG24190	1.188904	0	0	0.412416	0.662467	0	0	0	0	0	0	0	0.007276	NA	-0.22716	NA	-0.22076	NA
ATSG24200	ATSG24200	23.77808	39.25341	24.46543	447.4709	392.8431	352.8816	832.3881	745.5129	574.0326	16.31211	30.59768	21.75404	3.618866	5.36E-51	4.446253	4.08E-77	-0.31876	0.58657
ATSG24205	ATSG24205	9.511232	3.568492	14.1642	28.04426	19.87402	21.9305	9.782338	11.86779	3.904984	5.757214	7.982004	8.287252	1.140482	0.015453	-0.13177	0.849548	-0.29501	NA
ATSG24206	ATSG24206	3.566712	3.568492	1.287654	8.660727	9.937009	10.96525	4.446517	1.07889	0.976246	2.878607	5.321336	3.10772	1.311109	0.027167	-0.19945	0.821336	0.1223093	NA
ATSG24210	ATSG24210	386.3938	538.8423	431.3642	2220.445	1867.495	2006.64	1187.22	1236.408	1196.878	295.537	290.0128	324.2387	2.148705	1.46E-61	1.405061	3.13E-26	-0.5575	0.002303
ATSG24220	ATSG24220	0	0	0	0.996841	0	0	0	0	0	0	0	0	0.15625	NA	0	NA	0	NA
ATSG24230	ATSG24230	0	1.784246	1.287654	18.14629	10.59948	11.96209	7.114428	8.63112	3.904984	0	0	0	2.371641	3.44E-05	1.434317	0.0023563	-0.53379	NA
ATSG24240	PIAK63	4.755616	3.568492	3.862963	28.04426	27.82363	37.87995	17.78607	26.97225	13.66744	3.838143	1.330334	6.215439	2.347073	3.43E-07	1.712669	0.005164	-0.08671	NA
ATSG24250	ATSG24250	0	0	0	0	0	0	0.889303	0	0	0	0	0	0.160764	NA	0	NA	0	NA
ATSG24260	ATSG24260	243.7253	235.5205	203.4494	187.2367	179.5286	192.3903	169.857	220.0935	165.9618	164.0806	190.2378	207.1813	-0.28243	0.128722	-0.29288	0.138269	-0.277	0.34243
ATSG24270	CBL4	2.377808	17.84246	11.58889	26.02078	33.12336	19.3147	43.57587	56.10228	36.1211	13.4335	7.982004	11.39497	1.196133	0.005334	1.891345	4.39E-06	0.10445	0.928402
ATSG24280	GM11	43.98945	35.68492	34.76667	18.5587	17.88662	24.92102	40.01866	42.07671	39.04984	49.89585	69.17737	46.61759	-0.88143	0.004319	0.069039	0.871033	0.485541	0.370111
ATSG24290	MEB2	15.45575	8.92123	12.87654	49.48987	48.36011	51.83572	43.57587	52.86561	38.07359	20.15025	19.95501	20.71813	1.777866	8.23E-08	1.623498	2.34E-06	0.559604	0.308088
ATSG24300	SS1	1288.772	1220.424	1136.999	526.6547	461.0772	562.2182	594.0547	712.0674	610.1537	1040.137	884.6721	1127.066	-1.21943	4.47E-20	-0.91676	1.38E-11	-0.25182	0.264613
ATSG24310	ABL13	63.01191	41.03766	52.79383	55.26369	47.69764	29.90522	63.14055	53.9445	45.88356	55.65307	71.83803	67.33392	-0.2106	0.536749	0.036945	0.929696	0.27246	0.617081
ATSG24313	ATSG24313	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG24314	PDE225	1020.08	1143.702	1308.257	1534.598	1387.206	1064.626	1356.188	1061.628	1684.024	1787.615	1980.867	1584.937	0.195654	0.390931	0.234514	0.314441	0.608116	0.01691
ATSG24316	ATSG24316	0	0	0	0.824831	0	0	0	0	0	0	0	0	0.173038	NA	0	NA	0	NA
ATSG24318	ATSG24318	26.15589	26.76369	14.1642	21.44561	17.88662	12.95893	13.33955	26.97225	25.3824	24.94793	22.61568	22.78994	-0.27674	0.54765	-0.02604	0.963237	-0.07563	0.940076
ATSG24320	ATSG24320	25.0476	230.1677	215.0383	143.933	130.5061	169.4626	199.204	209.3046	180.6055	198.6239	238.1298	187.4991	-0.64992	0.000117	-0.24039	0.262248	-0.16347	0.618993
ATSG24330	ATXR6	20.21137	17.136984	14.1642	21.03319	12.58688	11.96209	7.114428	7.55223	8.786214	23.02886	21.28534	31.0772	0.11197	0.843513	-0.71841	0.168861	0.719499	NA
ATSG24340	ATSG24340	111.757	123.113	140.3543	102.2791	101.3575	100.6809	134.2848	128.3879	89.81463	31.4564	137.0244	153.3142	-0.29282	0.186781	-0.0864	0.757238	0.165399	0.684244
ATSG24350	MIP2	665.7862	533.4896	444.2407	210.3319	180.8536	332.9448	346.8284	409.9782	168.8906	432.7506	399.1002	444.4039	-1.1203	7.58E-05	-0.78192	0.009168	-0.34436	0.506472
ATSG24352	ATSG24352	19.02246	8.92123	14.1642	15.67179	18.8402	7.974726	13.33955	9.710009	25.3824	11.51443	14.63367	14.50269	0.039727	0.950326	0.144477	0.820048	-0.07819	NA
ATSG24355	ATSG24355	0	1.784246	0	0	0	0	2.66791	4.31556	0.976246	1.919071	2.660668	1.035907	-0.50274	0.454228	-0.80722	0.184138	0.586133	NA
ATSG24360	IRE1B	223.5139	223.0308	229.2025	200.434	204.0399	242.2323	255.2301	252.4602	155.2231	200.5429	167.6221	233.079	-0.06669	0.808165	-0.02708	0.929576	-0.15973	0.710621
ATSG24370	ATSG24370	0	1.784246	0	0	0	0	0	0	0.995936	0	0	0	-0.26756	NA	-0.24986	NA	-0.06955	NA
ATSG24380	YSL2	57.06739	62.44861	59.2321	45.77813	41.07297	63.79781	39.12935	44.23449	27.33489	72.92471	58.53469	61.11849	-0.2538	0.412365	-0.65179	0.030238	0.113797	0.85654
ATSG24390																			

ATSG24870	ATSG24870	115.3237	99.91778	113.3136	130.7357	129.1811	121.6146	124.5025	170.4646	92.74337	147.7685	107.7571	119.1293	0.204777	0.449578	0.220371	0.44168	0.182695	0.698673
ATSG24879	ATSG24879	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG24880	ATSG24880	0	0	1.287654	0	0	0.996841	0	0	0.976246	1.919071	0	0	-0.08766	NA	-0.05676	NA	1.0094	NA
ATSG24890	ATSG24890	559.9738	715.4827	645.1148	834.3167	965.2148	843.3273	870.6281	744.4341	1064.108	669.7559	738.3354	680.5906	0.455863	0.005028	0.475662	0.004047	0.1211	0.711842
ATSG24900	CYP71A4A	0	0	1.287654	0.412416	0.662467	0	0.889303	0	0.889303	0	0	0	-0.01389	NA	-0.06274	NA	-0.24178	NA
ATSG24910	CYP71A4A	7.133424	5.352738	2.575309	3.299235	3.974804	0.996841	5.335821	8.63112	6.833722	9.595356	1.330334	6.215439	-0.53476	0.430546	0.328594	0.662113	0.168373	NA
ATSG24915	ATSG24915	1.188904	0	0	0	0.662467	0	1.778607	0	3.23667	0	0	0.1035907	-0.16554	NA	0.514211	NA	-0.04819	NA
ATSG24920	GDUS	17.83356	10.70548	16.73951	15.25938	11.92441	16.94629	12.45025	16.18335	41.00233	9.595356	14.63367	14.50269	-0.06222	0.92106	0.510371	0.341824	-0.2167	0.839002
ATSG24930	ATCOL4	3372.92	3149.194	2711.8	1679.769	1672.067	1671.702	1235.243	1487.789	1838.271	2555.243	2073.991	2304.892	-0.86322	1.86E-08	-1.00029	5.57E-11	-0.40567	0.070998
ATSG24940	ATSG24940	0	0	0	0	0	0.996841	0	0	1.952492	0	1.330334	0	0.116153	NA	0.280653	NA	0.173584	NA
ATSG24950	CYP71A15	1.188904	0	0	0	0	0	0.889303	0	0	0	0	0	-0.20902	NA	-0.03919	NA	-0.19148	NA
ATSG24960	CYP71A14	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
ATSG24970	ATSG24970	64.20081	55.31163	69.53333	67.63615	56.30972	53.8294	72.92289	84.15342	48.8123	62.36982	66.5167	74.58527	-0.08028	0.810551	0.105803	0.764899	0.092053	0.880443
ATSG24980	ATSG24980	35.66712	35.68492	31.91482	48.25262	60.94699	25.91786	25.7898	23.73558	86.88589	38.38143	38.57969	37.42764	0.507555	0.295983	0.508306	0.322912	0.285868	0.755395
ATSG24990	ATSG24990	28.53369	37.46917	33.17901	32.16841	37.76063	22.92734	24.9005	20.49891	34.16861	35.50282	38.57969	47.42717	-0.05809	0.892995	-0.28104	0.491965	0.225958	0.734334
ATSG25000	ATSG25000	0	0	1.287654	0	0	0	0	0	0	0	0	0.2071813	-0.22624	NA	-0.20656	NA	0.115737	NA
ATSG25010	ATSG25010	7.133424	8.92123	9.01358	16.90904	21.19895	15.94945	8.893035	7.55223	17.57243	9.595356	11.97301	5.179533	0.945456	0.051356	0.355556	0.558795	0.053417	NA
ATSG25020	ATSG25020	7.133424	1.784246	6.438272	4.124156	21.29804	8.971567	1.778607	4.31556	4.88123	4.979678	5.321336	0	0.04345	0.958316	-0.35293	0.650272	-0.42486	NA
ATSG25030	ATSG25030	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
ATSG25040	ATSG25040	265.1256	262.2842	239.5037	294.0523	304.7349	288.087	355.7214	365.7437	316.3037	254.2769	264.7365	256.9048	0.209139	0.155998	0.431784	0.002027	0.016278	0.966633
ATSG25045	ATSG25045	14.26685	1.784246	1.287654	2.886909	3.124935	2.990522	8.893035	7.55223	1.952492	2.878607	1.330334	3.10772	-0.79061	0.242538	0.032664	0.970414	-0.72404	NA
ATSG25050	ATSG25050	118.8904	140.9554	100.437	116.1992	139.1181	141.5514	127.1704	155.3602	181.5818	131.4564	111.7481	107.7343	-0.176291	0.461712	0.364275	0.110809	-0.02258	0.970516
ATSG25060	ATSG25060	608.7188	55.6471	484.158	444.584	439.2158	419.67	421.5299	528.6561	461.7644	420.2766	408.4125	442.3321	-0.30009	0.039636	-0.18975	0.24612	-0.33663	0.100977
ATSG25070	ATSG25070	372.1269	328.3013	332.2148	211.9816	282.8735	305.0333	279.2413	315.0359	336.8049	312.8086	324.6015	303.5206	-0.37486	0.032364	-0.14969	0.475461	-0.13476	0.691846
ATSG25080	ATSG25080	199.7359	198.0513	216.3259	235.0769	254.3874	186.4092	228.551	134.8612	189.3917	232.2076	243.4511	163.6732	0.137728	0.163668	-0.14361	0.623849	0.05277	0.927039
ATSG25090	ENODL13	68.95643	37.46917	41.20944	143.5206	121.2315	103.6714	79.14801	73.36452	107.3871	97.87263	126.3817	91.15977	1.236102	2.27E-05	0.743295	0.009939	1.002477	0.002892
ATSG25100	TMN9	1304.228	1188.308	1033.986	634.2952	514.7371	789.4979	703.4391	796.2208	477.3843	942.2604	839.4407	899.1669	-0.84116	6.89E-05	-0.24671	0.105989	-0.38404	0.230871
ATSG25102	ATSG25102	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG25110	CIPK25	11.88904	14.27397	3.862963	2.062078	0	1.993682	0.889303	3.23667	5.857476	2.878607	5.321336	7.251346	-1.76221	0.003257	-1.07029	0.102458	-0.6677	NA
ATSG25120	CYP71B11	184.2801	206.9725	198.2988	252.8107	282.8735	243.2291	300.5846	247.0658	307.5175	212.0574	243.4511	257.9407	0.400168	0.01626	0.533133	0.001363	0.271824	0.31641
ATSG25130	CYP71B12	187.8468	187.3458	186.7099	123.7247	127.8562	133.5767	169.857	184.4902	205.9879	265.7914	328.5925	231.0772	-0.53845	0.002726	-0.00493	0.98497	0.538392	0.017808
ATSG25140	CYP71B13	190.2246	173.0719	168.6827	122.4874	131.1685	129.5893	88.04104	65.81229	92.74337	147.7685	183.5861	172.9964	-0.46817	0.01052	-0.107743	5.22E-09	-0.08236	0.844669
ATSG25150	TAF5	173.58	180.2088	197.0111	223.5292	180.8536	185.4124	200.9826	223.3302	157.1756	181.3522	159.6401	188.335	0.103371	0.649768	0.074631	0.770641	-0.05219	0.910917
ATSG25160	ZFP3	8.322328	8.92123	14.1642	12.37427	5.962205	3.987363	8.893035	3.23667	6.833722	18.23118	18.62468	9.321359	-0.32793	0.592572	-0.54464	0.385294	-0.48722	NA
ATSG25170	ATSG25170	91.54556	83.85956	104.3	150.5317	176.8788	130.5861	138.7313	100.3368	189.3917	108.4275	147.6671	102.5547	0.678548	0.008274	0.584253	0.032235	0.328611	0.472544
ATSG25180	CYP71B14	1.188904	0	0	2.474493	0.662467	1.993682	1.778607	1.07889	0	0	0	0	0.615734	NA	0.246192	NA	-0.27053	NA
ATSG25190	ERF003	150.9908	176.6404	175.121	291.1654	229.2137	176.4408	85.37313	81.99564	112.2683	101.7108	114.4087	110.842	0.473664	0.0343	-0.81221	0.000373	-0.59817	0.055489
ATSG25200	ATSG25200	4.755616	0	1.287654	1.327247	3.312336	0.993682	0.889303	3.23667	1.952492	1.919071	3.991002	2.071813	-0.02532	0.976621	-0.07313	0.934984	0.124378	NA
ATSG25205	ATSG25205	4.755616	1.784246	0	0.824831	1.987402	0	2.66791	2.15778	0.976246	0	1.330334	3.10772	-0.4735	0.51288	-0.07645	0.930797	-0.24489	NA
ATSG25210	ATSG25210	80.84547	98.13353	105.5877	170.74	196.7528	177.4377	235.6654	229.8036	313.375	76.76285	102.4357	124.3088	0.907775	2.76E-05	1.410719	1.79E-11	0.088184	0.871353
ATSG25220	KNA73	475.5616	444.2773	446.8161	471.8074	472.3392	444.591	469.5522	500.2339	608.2013	536.3804	540.1156	474.4452	0.02297	0.90291	0.246751	0.105989	0.177883	0.468231
ATSG25230	ATSG25230	72.52314	85.64381	82.40988	47.84021	40.4105	69.77885	63.14055	55.02339	36.1211	77.72239	75.82904	76.65708	-0.59755	0.029118	-0.60063	0.039442	-0.05369	0.937511
ATSG25240	ATSG25240	13.07794	10.70548	7.725926	15.67179	25.17376	20.93366	36.46144	48.55005	97.6246	11.51443	10.64267	15.5386	0.766725	0.104531	2.190213	1.54E-07	0.188329	0.861847
ATSG25250	FLOT1	116.5126	230.1677	127.4778	677.0001	592.2457	837.3463	1041.374	1175.99	1311.098	61.41028	53.21336	94.26749	2.069633	1.4E-18	2.791157	2.33E-33	-1.0873	0.006622
ATSG25260	FLOT2	28.53369	67.80135	39.91728	143.933	112.6194	149.5261	179.6393	226.5669	219.6553	21.10978	15.96401	26.93357	1.541609	2.22E-09	2.143758	1.98E-17	-0.92784	0.025933
ATSG25265	ATSG25265	863.1443	1025.941	958.0148	1159.3	1273.262	1313.836	982.6803	915.9776	914.7425	760.9118	992.4291	825.6175	0.392329	0.003748	-0.01449	0.941525	-0.14152	0.575777
ATSG25270	ATSG25270	578.9962	585.2327	565.2803	529.1292	449.1528	570.1929	603.8371	646.2551	464.6931	474.0106	432.3585	539.7073	-0.15796	0.402757	-0.01213	0.959781	-0.25148	0.360041
ATSG25280	ATSG25280	1358.917	1589.763	1400.968	1483.046	1736.989	1542.113	1678.116	1667.964	1746.504	1360.622	1488.644	1391.222	0.131558	0.301612	0.227881	0.064743	-0.03493	0.898417
ATSG25290	ATSG25290	0	0	0	0.824831	0	0	0	0	0	0	0	0	0.173038	NA	0	NA	0	NA
ATSG25300	ATSG25300	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
ATSG25305	ATSG25305	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
ATSG25310	ATSG25310	0	1.784246	1.287654	0.824831	0.662467	0.996841	0.889303	1.07889	0	2.878607	1.330334	1.035907	-0.09082	0.910574	-0.16454	0.838886	0.361509	NA
ATSG25320	ACR2	0	0	0	0.412416	0.662467	0	1.07889	0	0	1.330334	0	0	0.203973	NA	0.174698	NA	0.203433	NA
ATSG25330	ATSG25330	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A

ATSG25840	ATSG25840	135.535	258.7157	227.9148	182.7001	171.579	171.4566	232.1082	216.8569	310.4462	263.8723	248.7725	189.5709	-0.22326	0.417682	0.286935	0.301269	0.177087	0.712267
ATSG25850	ATSG25850	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG25860	ATSG25860	1.188904	0	0	0	0	0	0	1.07889	0	0	0	0	-0.2127	NA	-0.02202	NA	-0.1938	NA
ATSG25870	ATSG25870	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG25880	NADP-ME3	15.45575	14.27397	15.45185	23.50769	20.53649	31.8989	17.78607	19.42002	15.61994	23.02886	26.60668	27.96948	0.639844	0.106018	0.181975	0.728552	0.685438	0.257793
ATSG25890	IAA2H	71.33424	69.5856	82.40988	89.49418	72.20893	75.7599	80.92662	75.5223	92.74337	83.4796	57.20436	69.40574	0.092	0.754178	0.14959	0.618781	-0.07649	0.893141
ATSG25900	KO	449.4057	387.1814	431.3642	387.6706	362.3696	474.4962	410.8582	412.136	300.6838	379.9761	341.8958	357.3878	-0.05679	0.796186	-0.17393	0.398534	-0.22944	0.441758
ATSG25910	AIPLP2	9.511232	12.48972	7.725926	66.39891	76.18374	75.7599	81.81592	74.44341	42.95482	6.716749	6.65167	6.215439	2.593717	3.46E-13	2.466434	1.01E-14	-0.45041	0.595756
ATSG25920	ATSG25920	3.566712	1.784246	2.575309	3.299325	1.324935	2.990522	3.557214	3.23667	2.928738	2.878607	1.330334	3.10772	-0.05465	0.949512	0.155672	0.857374	-0.06786	NA
ATSG25930	ATSG25930	102.2457	82.07532	72.10864	307.2496	284.1985	423.6573	405.5224	450.976	409.0471	44.13864	43.90102	46.61579	1.9134	3.35E-22	2.230488	7.66E-30	-0.88413	0.003385
ATSG25940	ATSG25940	74.90095	105.2705	93.99877	140.6337	172.2415	111.6462	111.1629	96.0212	163.0331	93.07496	125.0514	72.51346	0.613316	0.028505	0.420126	0.177098	0.078866	0.907542
ATSG25950	ATSG25950	0	0	1.287654	0.412416	0	0.996841	0	0	0	0	1.330334	2.071813	-0.01263	NA	-0.27831	NA	0.317828	NA
ATSG25955	ATSG25955	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
ATSG25960	ATSG25960	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.065109	NA	0	NA	0.150531	NA
ATSG25970	ATSG25970	2.377808	3.568492	9.01358	6.598649	10.59948	11.96209	6.225124	9.710009	5.857476	2.878607	1.330334	4.143626	0.703767	0.244486	0.374343	0.599613	-0.51009	NA
ATSG25980	TGG2	17683.76	17294.7	18216.45	8080.871	6096.024	8705.411	9081.567	11290.58	9141.567	23757.14	28530.34	17626.99	-1.18745	5.02E-11	-0.82928	8.94E-06	0.384761	0.185652
ATSG25990	ATSG25990	4.755616	1.784246	6.438272	1.237247	1.987402	2.990522	3.557214	7.55223	0.976246	7.676285	2.660668	7.251346	-0.73063	0.278573	-0.10811	0.899783	0.296687	NA
ATSG26000	TGG1	28377.95	30135.92	32298.23	22915.05	17886.62	24905.07	26597.29	29212.02	22161.76	38938.92	46161.26	29103.79	-0.4557	0.019241	-0.2147	0.339157	0.322765	0.287597
ATSG26010	ATSG26010	2.377808	7.136984	5.150617	6.186234	5.299738	9.968408	5.335821	7.55223	11.71495	11.51443	5.321336	13.46678	0.374503	0.56345	0.562	0.391386	0.828769	NA
ATSG26015	ATSG26015	0	0	0	0	0	0	0.889303	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG26020	ATSG26020	0	0	0	0	0	0	0	0	0.889303	0	0	0	0	NA	0.160764	NA	0	NA
ATSG26030	HEM15	286.5259	301.5376	285.8593	501.4973	443.1906	627.0128	753.24	762.7752	672.6335	241.803	199.5501	272.4434	0.827378	4.92E-07	1.301028	3.85E-16	-0.27954	0.337764
ATSG26038	MIR860A	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG26040	HDA2	76.08985	74.93833	59.2321	72.17273	69.55906	81.74094	109.3843	105.7312	111.292	58.53167	30.59768	78.7289	0.079932	0.817831	0.610352	0.029016	-0.28397	0.581553
ATSG26050	ATSG26050	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0.172362	NA
ATSG26060	ATSG26060	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG26070	ATSG26070	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG26080	ATSG26080	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG26090	ATSG26090	1.188904	1.784246	1.287654	0	0.662467	0	0.889303	0	0	0	0	1.035907	-0.60679	NA	-0.51012	NA	-0.478	NA
ATSG26100	ATSG26100	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG26110	ATSG26110	102.2457	92.78079	90.1358	167.4407	181.516	150.523	140.51	148.8868	106.4108	136.2541	127.7121	104.6266	0.787342	8.09E-05	0.453495	0.044324	0.354182	0.303139
ATSG26114	ATSG26114	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG26120	ASD2	1.188904	0	0	0	1.324935	0.996841	0	0	0.976246	0	0	0	0.170533	NA	-0.05124	NA	-0.22713	NA
ATSG26130	ATSG26130	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG26140	LOG9	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
ATSG26146	ATSG26146	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG26147	MIR156F	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
ATSG26150	ATSG26150	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
ATSG26160	ATSG26160	137.9129	126.6815	121.0395	90.31901	87.44568	112.643	136.0634	124.0723	80.05217	121.861	125.0514	124.3088	-0.4097	0.077649	-0.17521	0.526242	-0.05505	0.921149
ATSG26170	WRKY50	20.21137	37.46917	27.04074	244.15	257.6998	220.3018	129.8383	148.8868	241.1328	23.02886	59.86503	26.93357	2.873147	1.47E-20	2.420502	1.38E-14	0.311314	0.6514
ATSG26180	ATSG26180	115.3237	146.3082	160.9568	194.6602	158.3297	175.444	182.3072	176.938	130.817	95.95356	77.15937	117.0574	0.32064	0.170443	0.221488	0.425548	-0.51095	0.124364
ATSG26190	ATSG26190	5.94452	3.568492	3.862963	1.649662	3.312336	4.984204	1.778607	4.31556	0	12.47396	2.660668	2.071813	-0.30984	0.684899	-0.6292	0.396518	0.256627	NA
ATSG26200	ATSG26200	54.68958	71.36984	57.94445	37.1174	32.4609	29.90522	25.7898	26.97225	32.21612	56.6126	45.23135	39.36445	-0.80997	0.002973	-1.03792	0.000326	-0.34299	0.484078
ATSG26210	AL4	428.0054	428.219	410.7617	411.5907	419.3418	397.7395	346.8284	308.5625	451.0256	414.5194	383.1362	430.9371	-0.04221	0.836141	-0.19095	0.297913	-0.04167	0.914692
ATSG26220	ATSG26220	52.31177	58.88012	60.51975	84.13278	80.15854	45.85468	50.6903	43.1556	38.07359	73.88424	78.4897	52.83123	0.304112	0.340164	-0.35189	0.310468	0.24134	0.669283
ATSG26230	MAKR1	90.35667	57.09587	42.49259	23.50769	25.17376	23.92418	25.7988	30.20892	23.4299	71.00564	73.16837	52.83123	-1.10221	1.36E-05	-1.18288	0.00019	0.038778	0.961988
ATSG26233	ATSG26233	0	0	0	0.412416	0	0	0	0.889303	0	0	0	0	0.066991	NA	0.136991	NA	0	NA
ATSG26236	ATSG26236	1.188904	0	0	0	0	0	0	1.07889	0	0.995936	0	0	-0.24564	NA	-0.03069	NA	-0.03478	NA
ATSG26240	CLC-D	508.8509	517.4313	517.637	404.5797	408.7423	444.591	513.1281	447.7393	323.1374	473.0511	473.5989	555.2459	-0.29156	0.110519	-0.25971	0.184278	-0.03815	0.930902
ATSG26250	SP78	0	0	0	0	0	0	0.889303	0.77889	0	0	0	0	0	NA	0.301684	NA	0.463035	NA
ATSG26260	ATSG26260	1.188904	0	0	0.824831	3.312336	2.990522	0.114428	1.07889	4.88123	5.757214	9.312338	5.179533	0.575527	0.420461	1.191912	0.074951	1.593761	NA
ATSG26262	ATSG26262	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG26270	ATSG26270	4.755616	3.568492	1.287654	14.02213	12.58688	16.94629	16.00746	9.710009	20.50117	0.995936	5.321336	4.143626	1.582589	0.002752	1.659577	0.002169	-0.01756	NA
ATSG26280	ATSG26280	1.188904	8.92123	5.150617	28.86909	31.13596	39.87363	21.34328	25.89336	44.90732	9.595356	6.65167	9.323159	2.240083	5.29E-07	2.136545	2.93E-06	0.559975	0.542377
ATSG26283	ATSG26283	0	0	0	0.412416	0	0	1.07889	0	0.995936	0	0	1.035907	0.057886	NA	0.177727	NA	0.356639	NA
ATSG26286	ATSG26286	0	1.784246	0	0.412416	0	0	0.889303	0	0.976246	0	0	0	-0.20148	NA	0.084883	NA	-0.28022	NA
ATSG26290	ATSG26290	0	0	0	0.824831	0	0	1.778607	1.07889	0	0	0	0	0.149417	NA	0.446881	NA	0	NA
ATSG26300	ATSG26300	1.188904	0	0	0.412416	0	0.996841	0.889303	0	1.952492	0	0	0	-0.00134	NA	0.269009	NA	-0.25186	NA
ATSG26310	UG72E3	0	0	0	0.662467	0	0	1.07889	0	0	0	0	1.035907	0.09889	NA	0.162396	NA	0.164429	NA
ATSG26320	ATSG26320	0	0	0	0	0	0	0	1.07889	0	0	0	2.071813	0	NA	0.150233	NA	0.295662	NA
ATSG26330	ATSG26330	26.15589	24.97944	38.62963	14.02213	9.274542	5.981045	11.56095	10.7889	11.714									

ATSG26820	IREG3	613.4744	640.5443	579.4445	409.9411	437.8909	428.6415	571.8221	576.1272	484.218	569.0046	597.32	552.1382	-0.51703	0.000014	-0.16427	0.247424	-0.09174	0.712194
ATSG26830	THRRS	753.7651	685.1505	620.6494	621.5103	618.082	654.9244	604.7264	661.3595	556.4602	527.7446	492.2236	650.5493	-0.12035	0.482315	-0.17504	0.308636	-0.29636	1.86928
ATSG26840	ATSG26840	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG26848	ATSG26848	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG26850	ATSG26850	593.2631	492.4519	479.0074	372.8237	346.4704	383.7837	335.2674	391.637	225.5128	428.9124	432.3585	489.9838	-0.49444	0.010765	-0.7014	0.000261	-0.20769	0.555713
ATSG26860	LON1	242.5364	171.2876	182.8469	225.1789	257.6998	276.1249	259.6766	270.8014	222.5841	182.3118	158.3097	189.5709	0.324609	0.091254	-0.138461	0.117136	-0.17208	0.630055
ATSG26880	AGL26	267.5034	344.3595	325.7765	447.0585	390.8557	420.6668	426.8657	438.0293	506.6717	343.5138	271.3881	360.4955	0.424058	0.010321	0.544545	0.000958	0.065909	0.865151
ATSG26890	ATSG26890	0	0	0.412416	0	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
ATSG26900	CDC20-4	0	1.784246	0	0	0	0	0	0	1.07889	0	0	0	-0.26712	NA	-0.06363	NA	-0.24374	NA
ATSG26910	ATSG26910	330.5153	315.8115	251.0926	161.2545	184.1659	202.3587	159.1853	217.9358	227.4653	216.8551	236.7994	249.6535	-0.70266	0.000129	-0.55803	0.003982	-0.34297	0.248204
ATSG26912	ATSG26912	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG26920	CBP60G	145.0463	242.6575	164.8198	987.7353	853.2578	1247.048	1416.66	1539.576	1041.654	87.31774	105.0964	117.0574	2.406646	3.44E-30	2.768817	7.81E-40	-0.78671	0.010709
ATSG26930	GATA23	0	0	0	1.649662	1.324935	0.996841	0	1.07889	1.952492	0	0	1.035907	0.695977	NA	0.492887	NA	0.163621	NA
ATSG26940	DPD1	177.1467	214.1095	198.2988	219.4051	216.6268	237.2481	225.8831	190.9635	168.8906	236.0458	210.1928	191.6427	0.191236	0.320006	-0.00059	0.998157	0.119369	0.741406
ATSG26950	AGL93	0	1.784246	0	0.412416	0	0	0	0	2.878607	2.660668	0	0	-0.23511	NA	-0.30111	NA	0.55022	NA
ATSG26960	ATSG26960	128.4016	114.1917	140.3543	122.8998	103.3449	105.6651	59.58333	105.7312	104.4583	121.861	125.0514	103.5907	-0.19769	0.458968	-0.49905	0.048381	-0.13013	0.794537
ATSG26970	ATSG26970	1.188904	3.568492	0	0	0.662467	1.993682	0	2.15778	0	0.959536	0	1.035907	-0.26487	0.704585	-0.10161	0.670019	-0.29269	NA
ATSG26980	SYPA1	149.8019	144.5239	168.6827	224.3541	206.0273	234.2576	192.9789	160.7546	151.3181	169.8378	174.2738	155.386	0.506122	0.002745	-0.121415	0.583774	0.010206	0.789038
ATSG26990	DI19-6	170.0133	169.5034	212.463	289.9281	308.0473	320.9827	316.592	271.8803	309.47	211.0978	184.9164	205.1095	0.715378	2.29E-06	0.687676	0.00001	0.119981	0.719342
ATSG27000	ATK4	26.15589	21.41095	14.1642	27.63184	27.16116	23.92418	29.34701	31.28781	21.47741	18.23118	25.27635	20.71813	0.326675	0.42335	0.369122	0.394492	0.032438	0.976106
ATSG27010	ATSG27010	2.377808	0	0	1.649662	2.649869	0	0.889303	2.15778	1.952492	1.919071	1.330334	0	0.261433	0.730052	0.29869	0.699889	0.075458	NA
ATSG27020	ATSG27020	0	0	1.287654	2.062078	2.649869	1.993682	1.778607	1.07889	2.928738	1.919071	0	1.035907	0.756743	0.261758	0.618103	0.391843	0.247146	NA
ATSG27030	TPR3	216.3805	214.1095	151.9432	256.1101	224.5764	308.0238	224.9938	271.8803	147.4131	180.3927	175.6041	145.0269	0.420572	0.094494	0.140905	0.650372	-0.20691	0.659653
ATSG27035	ATSG27035	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG27037	ATSG27037	1.188904	0	1.287654	1.237247	2.649869	0.996841	3.557214	0	1.952492	0.959536	0	1.035907	0.318016	0.669885	0.396912	0.600302	-0.10378	NA
ATSG27043	ATSG27043	1.188904	0	0	0	0	0	0	0	0.959536	0	0	0	-0.21179	NA	-0.19779	NA	-0.02864	NA
ATSG27050	AGL101	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0.172362	NA
ATSG27060	AIPLP53	23.77808	30.33218	34.76667	86.60727	81.48347	97.6904	61.36194	59.33895	38.07359	15.35257	18.62468	12.43088	1.503442	8.8E-08	0.790327	0.013286	-0.84368	0.090007
ATSG27070	AGL53	0	0	1.287654	0.412416	0	0	0	0	0	0	0	0	-0.11886	NA	-0.20136	NA	-0.19779	NA
ATSG27080	CDC20-3	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
ATSG27090	AGL54	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG27095	ATSG27095	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0.172362	NA
ATSG27100	GLR2.1	53.00068	55.31163	63.09506	32.16841	29.81103	34.88943	41.79726	36.1211	40.3005	50.55269	46.61579	0	-0.79773	0.002479	-0.44886	0.13271	-0.31661	0.511123
ATSG27110	PCMP-E14	19.02246	28.54794	15.45185	19.38353	19.21155	22.92734	39.12935	32.3667	38.1113	25.90746	13.30334	20.71813	-0.01833	0.971072	0.643543	0.108051	-0.01011	0.928188
ATSG27120	NOPS-1	557.596	458.5512	494.4593	408.7038	521.3617	421.6636	349.4963	348.4815	579.8901	408.7622	409.7429	582.1795	-0.15651	0.563199	-0.23459	0.387703	-0.10598	0.836652
ATSG27130	AGL39	1.188904	0	0	0.412416	0	0	0	0	0	0	0	0	-0.10956	NA	-0.19067	NA	-0.18704	NA
ATSG27140	NOPS-3	1.188904	0	1.287654	0.412416	0.662467	0	1.778607	2.15778	1.952492	0	1.330334	1.035907	-0.3511	0.619472	-0.480136	0.504219	-0.07613	NA
ATSG27150	NHX1	853.633	783.284	665.7173	434.2736	392.1806	541.2845	653.6381	647.334	421.7383	640.9698	603.9716	683.6983	-0.73584	0.000119	-0.40805	0.052455	-0.24868	0.469967
ATSG27160	ATSG27160	0	0	0	0.662467	0	0	1.07889	0	0	0	0	1.035907	0.09889	NA	0.162396	NA	0.164429	NA
ATSG27170	ATSG27170	0	0	0	0	0	0	0	0	0.959536	0	0	0	0	NA	0	NA	0.171512	NA
ATSG27180	ATSG27180	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
ATSG27190	ATSG27190	0	0	0	0	0	0	0.889303	0	0	0	1.330334	0	0	NA	0.141773	NA	0.183636	NA
ATSG27200	ACPS	1.188904	0	0	0	0	0	1.778607	0	0	0	0	0	-0.21078	NA	0.091088	NA	-0.1879	NA
ATSG27210	ATSG27210	22.58917	44.60615	47.64321	44.12847	56.97219	52.83256	47.13308	34.52448	42.95482	48.93632	29.26735	43.50807	0.406345	0.235601	0.131991	0.761166	0.111164	0.883204
ATSG27220	ATSG27220	21.40027	17.84246	21.89012	4.124156	9.274542	7.974726	2.66791	8.63112	4.88123	16.31211	15.96401	15.5386	-1.35053	0.002629	-1.60002	0.000843	-0.31316	NA
ATSG27230	FRL5	8.322328	7.136984	6.438272	7.835896	3.312336	10.96525	10.67164	11.86779	6.833722	10.55489	9.312338	11.39497	-0.0398	0.955322	-0.32322	0.624138	-0.40234	NA
ATSG27238	ATSG27238	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG27240	ATSG27240	154.5575	180.2088	157.0938	68.8734	54.98478	99.68408	84.48383	118.6779	47.83605	155.4448	163.6311	147.0987	-1.0882	7.42E-05	-0.91832	0.001363	-0.07044	0.920014
ATSG27247	ATSG27247	7.133244	5.352738	2.575309	0.824831	1.324935	0.996841	4.446517	2.15778	0	5.757214	3.991002	2.071813	-1.22845	0.05719	-0.68202	0.351893	-0.20636	NA
ATSG27250	ATSG27250	39.23383	33.90067	48.93086	23.09527	32.4609	22.92734	39.12935	45.31338	34.16861	33.58375	25.27635	35.22082	-0.6088	0.057371	-0.05158	0.905854	-0.34905	0.545279
ATSG27260	ATSG27260	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG27270	EM8976	250.8587	244.4417	234.3531	148.0572	136.4683	158.4977	174.3035	192.0424	138.6269	245.6411	199.5501	231.0072	-0.7101	1.92E-05	-0.5222	0.003227	-0.10261	0.778505
ATSG27280	ATSG27280	237.7808	378.2602	287.1469	327.458	368.3318	269.147	482.0025	438.0293	510.6027	318.5658	317.9498	391.5727	0.105086	0.670631	0.694757	0.000451	0.191544	0.612325
ATSG27290	ATSG27290	296.0371	415.7293	395.3099	218.5803	206.0273	184.4155	340.6032	340.9292	338.7574	480.7273	408.4125	515.8815	-0.83335	2.02E-07	-0.10934	0.606516	0.346967	0.15912
ATSG27300	ATSG27300	173.58	196.2671	169.9704	141.871	146.4053	133.5767	200.9826	147.8079	141.5557	183.2713	191.5681	194.7504	-0.33932	0.074809	-0.12525	0.589672	0.08112	0.847391
ATSG27310	ATSG27310	0	0	0	0	0	0	0.889303	0	0.959536	1.330334	0	0	0.162611	NA	0.12611	NA	0.377183	NA
ATSG27320	GID1C	224.7028	249.7944	181.5593	141.3608	178.2037	198.3713	220.5473	212.5413	199.1542	158.3234	158.3097	152.2783	-0.19812	0.269527	-0.04339	0.850675	-0.46753	0.038989
ATSG27330	ATSG27330	325.7597	146.3082	169.9704	191.871	176.2163	143.5451	127.1704	124.0723	158.1519	148.728								

AT5G27730	AT5G27730	261.5589	319.38	334.7901	277.9681	314.672	321.9796	445.541	345.2448	306.5412	319.5254	303.3161	339.7773	-0.0027	0.991445	0.260355	0.19728	0.074554	0.857418
AT5G27740	RF3	265.1256	366.1437	350.242	282.9171	330.5712	281.1091	318.3706	297.7736	308.4937	224.5313	270.0578	356.3518	-0.09749	0.681749	-0.05088	0.850854	-0.16843	0.652663
AT5G27750	AT5G27750	63.01191	69.5856	45.0679	56.08852	57.63465	55.82308	73.81219	67.97007	70.28971	94.99403	81.15037	91.15977	-0.05365	0.863781	0.260558	0.35716	0.587942	0.071412
AT5G27760	AT5G27760	181.9023	181.9931	199.5864	492.4242	428.6163	388.7679	518.4639	342.0081	512.5291	292.6584	327.2622	218.5763	1.18197	3.35E-09	1.246335	5.05E-10	0.549999	0.063833
AT5G27770	RP122C	739.4983	813.6162	906.5087	1250.032	1225.564	913.1062	816.3806	718.5407	1538.564	883.7323	879.3508	1051.445	0.443953	0.093424	0.308044	0.289405	0.186393	0.710734
AT5G27771	0	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G27780	AT5G27780	28.53369	28.54794	33.47901	14.84696	18.54908	11.96209	8.893035	8.63112	12.6912	29.7456	30.59768	35.22082	-0.89734	0.011724	-1.40401	0.000254	0.073633	0.930902
AT5G27790	AT5G27790	0	0	0	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	0.183636	NA
AT5G27800	AT5G27800	0	0	0	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	0.172362	NA
AT5G27807	MIR164C	0	0	0	0	0	0	0.996841	0	0	0	0	0	0	0	0	0	0	NA
AT5G27810	AT5G27810	1.188904	0	1.287654	0.412416	0	0	1.778607	1.07889	0	0.959536	1.330334	0	-0.44961	NA	0.057247	NA	-0.05979	NA
AT5G27820	AT5G27820	61.82301	57.09587	42.49259	58.97543	82.80841	40.87047	62.25124	48.55005	105.4346	59.49121	83.81104	125.3447	0.16878	0.704019	0.38516	0.361588	0.670664	0.219504
AT5G27830	AT5G27830	166.4466	228.3835	193.1482	455.7192	518.7119	447.5815	309.4776	303.1681	362.1873	141.0517	174.2738	156.4219	1.264402	4.03E-16	0.727044	1.24E-05	-0.30546	0.286759
AT5G27840	TOPP8	344.7821	367.5547	306.4617	312.611	398.1428	363.8469	416.194	390.5582	339.7336	284.0225	250.1028	302.4847	0.075307	0.708936	0.171306	0.374187	-0.27271	0.304878
AT5G27845	AT5G27845	1.188904	1.784246	0	1.649662	2.649869	4.984204	5.335821	1.07889	1.952492	1.919071	2.660668	0	0.678879	0.330168	0.63885	0.387327	0.18218	NA
AT5G27850	RP118C	2615.589	2724.544	2885.633	3199.108	3515.051	3388.262	2506.057	2585.02	4146.117	2588.827	1898.387	3134.653	0.287327	0.224804	0.162157	0.545698	-0.10611	0.825789
AT5G27860	AT5G27860	303.1705	281.9109	279.421	533.2533	702.2153	484.4646	567.3756	487.6583	830.7853	308.0109	263.4061	361.5314	0.959589	8.07E-06	1.087547	3.84E-07	0.106732	0.836071
AT5G27870	PME28	1.188904	0	0	0	0	0	0.889303	0	0	0	0	0	-0.20902	NA	-0.03919	NA	-0.19148	NA
AT5G27880	AT5G27880	0	0	0	0	0	0	0	0	0	0	0	2.071813	0	NA	0	NA	0.262302	NA
AT5G27882	AT5G27882	0	0	0	0	0	0	0	0	0.976246	0	0	0	0	NA	0.16673	NA	0	NA
AT5G27885	AT5G27885	0	0	0	0	0	0	0	0	0.976246	0	0	0	0	NA	0.16673	NA	0	NA
AT5G27889	AT5G27889	3.566712	1.784246	6.438272	2.886909	1.324935	3.987363	2.66791	2.15778	1.952492	4.797678	7.982004	6.215439	-0.40003	0.57692	-0.50233	0.501604	0.448599	NA
AT5G27890	AT5G27890	58.25629	46.3904	52.79383	30.93117	37.09817	27.91154	31.12562	58.26006	43.93107	42.21957	51.88302	50.75942	-0.67687	0.022807	-0.24652	0.492552	-0.12768	0.850046
AT5G27895	AT5G27895	20.21137	16.05821	7.725926	5.361402	3.312336	10.96525	4.446517	8.63112	7.809968	3.838143	11.97301	7.251346	-0.97036	0.0737	-0.84855	0.148201	-0.7625	NA
AT5G27900	AT5G27900	0	0	0	0	0.662467	0	0.889303	0	0	0	0	0	0.097058	NA	0.130384	NA	0	NA
AT5G27902	AT5G27902	1.188904	3.568492	0	0	0.662467	0.996841	1.778607	1.07889	0	0	2.660668	1.035907	-0.46084	0.495149	-0.1869	0.811671	-0.10537	NA
AT5G27905	AT5G27905	0	0	0	0.412416	0	0	1.778607	0	0.976246	0	0	0	0.06212	NA	0.46701	NA	0	NA
AT5G27910	NYFC8	5.94452	1.784246	0	1.649662	2.649869	0	1.778607	1.07889	0.976246	0	1.330334	1.035907	-0.34033	0.651981	-0.43339	0.56906	-0.65486	NA
AT5G27920	AT5G27920	114.1348	121.3287	118.4642	113.0011	123.2189	118.6241	100.4913	111.1257	88.83839	81.56053	93.12338	114.9856	0.004365	0.987711	-0.22932	0.339462	-0.27894	0.43165
AT5G27925	AT5G27925	0	0	0.412416	2.649869	0	2.66791	1.07889	0	0.959536	0	1.035907	0	0.478069	NA	0.556792	NA	0.310412	NA
AT5G27927	SADHU5-2	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G27930	PPC6-7	269.8812	258.7157	270.4074	351.7905	331.2336	357.8658	398.408	359.2703	466.6456	308.9705	232.8084	284.8743	0.372735	0.022229	0.604769	0.000131	0.052288	0.893141
AT5G27940	WPP3	1.188904	0	0	0.824831	0	0	0.889303	1.07889	0.976246	0.959536	1.330334	0	-0.10713	NA	0.275235	NA	0.150126	NA
AT5G27944	AT5G27944	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G27945	CD20-6	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G27947	AT5G27947	0	0	0.412416	0	0	0	1.07889	0	0	0	0	0	0.064603	NA	0.150774	NA	0	NA
AT5G27950	AT5G27950	1399.34	1443.455	1323.709	1200.129	1178.529	1399.564	1586.517	1461.896	1065.084	1416.275	1543.187	1441.982	-0.1397	0.447515	-0.01758	0.93877	0.077892	0.825781
AT5G27960	AGL90	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	NA	0.16673	NA	0	NA
AT5G27965	AT5G27965	1.188904	0	0	0	0	0	0	0	0	0	1.330334	1.035907	-0.27792	NA	-0.24566	NA	0.172077	NA
AT5G27967	AT5G27967	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G27970	AT5G27970	716.9091	642.3286	630.9506	409.9411	394.8305	525.3351	499.7886	596.6261	369.9972	566.126	582.6863	551.1023	-0.57342	0.001771	-0.43245	0.026801	-0.22345	0.497299
AT5G27980	AT5G27980	2.377808	0	1.287654	0.824831	0	0	0.889303	2.15778	0.976246	0	0	0	-0.50061	NA	0.041739	NA	-0.65818	NA
AT5G27990	AT5G27990	159.3131	151.6609	160.9568	176.1015	207.3523	152.5166	160.9639	153.2024	215.7504	152.5662	127.7121	155.386	0.18217	0.425436	0.161372	0.515131	-0.10944	0.805161
AT5G28000	AT5G28000	1.188904	0	0	0.412416	0	0	0	0	0	0	0	0	-0.10956	NA	-0.19067	NA	-0.18704	NA
AT5G28010	AT5G28010	4.755616	5.352738	6.438272	15.67179	12.58688	11.96209	20.45398	10.7889	24.40615	2.878607	15.96401	6.215439	0.973203	0.06952	1.359471	0.010293	0.348992	NA
AT5G28020	CYS2D	765.6541	995.6093	824.0988	352.2029	367.0069	390.7616	355.7214	353.8759	355.3535	872.2179	879.3508	903.3105	-1.25058	5.29E-24	-1.25988	4.48E-25	0.043179	0.88483
AT5G28030	DES1	143.8574	164.1506	158.3815	250.7487	236.5008	168.4661	158.296	120.8357	135.6982	219.7337	164.9614	217.5404	0.491939	0.020355	-0.15765	0.555945	0.366792	0.274584
AT5G28040	AT5G28040	252.0476	242.6575	226.6272	177.7511	178.8662	185.4124	206.3184	204.9891	220.6316	198.6239	160.9704	218.5763	-0.40811	0.010333	-0.18752	0.315269	-0.30612	0.220246
AT5G28050	AT5G28050	511.2287	503.1574	553.6914	653.6787	552.4977	599.1013	600.2799	586.9161	683.3722	616.9814	685.122	518.9893	0.20082	0.209485	0.249922	0.12556	0.209328	0.403457
AT5G28052	AT5G28052	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G28053	AT5G28053	0	1.784246	0	0	0.662467	0	0	0	0	0	0	1.035907	-0.13784	NA	-0.26068	NA	-0.06605	NA
AT5G28056	AT5G28056	1.188904	1.784246	0	0	0	0	1.778607	0	0.959536	0	0	0	-0.51641	NA	-0.12123	NA	-0.26445	NA
AT5G28060	RPS248	1845.179	1905.575	2284.299	2787.104	2739.302	2384.443	1811.511	1810.377	3165.966	1800.089	1560.482	2284.174	0.37765	0.113341	0.163796	0.558494	-0.09299	0.857418
AT5G28065	AT5G28065	0	3.568492	0	0	0	0	0.889303	1.07889	0	0	0	0	-0.53745	NA	-0.135	NA	-0.48579	NA
AT5G28067	AT5G28067	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G28070	AT5G28070	0	0	0	0.662467	0	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT5G28073	AT5G28073	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G28076	AT5G28076	0	0	0	0	0	0	0.889303	1.07889	0.976246	0	0	1.035907	0	NA	0.54562	NA	0.198653	NA
AT5G28080	WNK9	1.188904	3.568492	2.575309	0.412416	1.324935	1.993682	7.114428	4.31556	5.857476	0.959536	3.991002	3.10772	-0.57279	0.425436	0.856282	0.221334	0.073949	NA
AT5G28085																			

AT5G28350	AT5G28350	510.0398	467.4725	432.6519	305.5999	333.8835	426.6479	512.2388	503.8416	342.6623	438.5078	383.1362	441.2962	-0.40051	0.043992	-0.05267	0.844736	-0.15417	0.685108
AT5G28360	ACS3	2.377808	3.568492	2.575309	1.649662	0	1.993682	0	1.07889	1.952492	3.838143	2.660668	5.179533	-0.60555	0.397765	-0.65697	0.375572	0.326863	NA
AT5G28370	AT5G28370	86.78999	66.0171	66.95803	53.20161	45.04777	52.83256	48.91169	53.9445	66.38473	47.97678	78.4897	49.72351	-0.52395	0.054895	-0.36887	0.227912	-0.33103	0.487505
AT5G28380	AT5G28380	16.64466	8.92123	18.02716	15.25938	16.56168	10.96525	15.11816	11.86779	16.59618	13.4335	18.62468	10.35907	-0.0338	0.953758	-0.02829	0.96358	-0.08614	NA
AT5G28390	AT5G28390	43.98945	64.23286	60.51975	40.82914	39.08557	52.83256	24.01119	49.62894	27.33489	71.96517	65.18636	50.75942	-0.32778	0.334854	-0.69188	0.039477	0.159409	0.808921
AT5G28400	AT5G28400	159.3131	255.1472	190.5728	63.92441	52.99738	97.6904	108.495	144.5713	72.2422	179.4332	154.3187	191.6427	-1.42484	1.05E-07	-0.84366	0.003059	-0.18362	0.748116
AT5G28405	AT5G28405	2.377808	0	0	0	1.324935	0	0.889303	0	0	0	1.330334	0	-0.15662	NA	-0.21601	NA	-0.16896	NA
AT5G28410	AT5G28410	0	0	0	0	0	0	0	0	0	0.959536	1.330334	1.035907	0	NA	0	NA	0.604134	NA
AT5G28415	AT5G28415	16.64466	8.92123	16.73951	4.948987	3.974804	6.977885	6.225124	6.47334	2.928738	9.595356	10.64267	8.287252	-1.20842	0.015267	-1.17227	0.028518	-0.50462	NA
AT5G28420	AT5G28420	2.377808	0	0	0.824831	0	0	0.889303	0	0.976246	0	0	1.035907	-0.25612	NA	-0.08252	NA	-0.2184	NA
AT5G28430	AT5G28430	10.70014	8.92123	2.575309	7.011065	3.312336	5.981045	4.446517	5.39445	4.88123	10.55489	5.321336	7.251346	-0.31117	0.639901	-0.42505	0.540171	0.077343	NA
AT5G28440	AT5G28440	3.566712	1.784246	2.575309	1.649662	1.324935	3.987363	0.889303	0	0.976246	0.959536	3.991002	3.10772	-0.14727	0.857951	-0.8157	0.253345	-0.01772	NA
AT5G28442	AT5G28442	16.64466	14.27397	27.04074	18.14629	14.57428	15.94945	18.67537	10.7889	14.64369	27.82653	15.96401	18.64632	-0.22974	0.636478	-0.35026	0.489485	0.097622	0.92333
AT5G28450	AT5G28450	1526.553	1584.41	1511.706	890.8176	860.545	692.8043	731.8968	786.5108	1286.692	1253.154	1056.285	1419.192	-0.89057	1.29E-05	-0.69929	0.000964	-0.30018	0.399667
AT5G28460	AT5G28460	76.08985	57.09587	61.80741	58.1506	68.23413	58.81361	55.13682	75.5223	60.52725	44.13864	58.53469	61.11849	-0.08349	0.794234	-0.04478	0.901066	-0.25934	0.593967
AT5G28463	AT5G28463	0	0	0	0.412416	0	0.996841	0	0	0	0	0	1.035907	0.245858	NA	0	NA	0.179036	NA
AT5G28464	AT5G28464	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G28465	AT5G28465	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G28466	AT5G28466	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0.172362	NA
AT5G28468	AT5G28468	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT5G28469	AT5G28469	0	0	0	0	0	0	0	0	0.976246	0	0	0	0	NA	0.16673	NA	0	NA
AT5G28470	NPF_8	1.188904	1.784246	0	0	0	0	0	0	0	1.919071	2.660668	1.035907	-0.64758	NA	-0.55712	NA	0.425879	NA
AT5G28480	AT5G28480	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G28482	AT5G28482	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G28484	AT5G28484	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G28487	AT5G28487	1.188904	0	0	0	0.662467	0.996841	1.778607	0	0	1.919071	1.330334	0	0.00584	NA	0.079133	NA	0.282145	NA
AT5G28490	LSH1	85.60108	80.29107	77.25926	70.11065	64.92179	59.81045	48.02239	63.65451	64.43224	80.60099	102.4357	67.33392	-0.29857	0.249794	-0.45366	0.089486	0.028646	0.965132
AT5G28491	AT5G28491	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G28495	AT5G28495	0	0	0	0.412416	0	0	0.889303	0	0	0	1.330334	0	0.065278	NA	0.149821	NA	0.193775	NA
AT5G28497	AT5G28497	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G28500	RAF1	1412.418	1172.25	999.2198	784.002	749.2505	668.8802	840.3918	1001.21	1684.024	1147.605	1069.589	1075.271	-0.67746	0.003091	-0.0232	0.943691	-0.11825	0.812628
AT5G28510	BGLU24	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0.172362	NA
AT5G28515	AT5G28515	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G28520	JAL40	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G28523	AT5G28523	1.188904	0	0	0	0	0	0.889303	0	0	0	0	0	-0.20902	NA	-0.03919	NA	-0.19148	NA
AT5G28524	AT5G28524	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT5G28525	AT5G28525	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT5G28526	AT5G28526	0	0	1.287654	0	1.324935	0	1.778607	1.07889	0.976246	0	0	0	-0.01775	NA	0.396285	NA	-0.25942	NA
AT5G28527	AT5G28527	1.188904	0	0	0	0.662467	0	1.778607	0	0	0	0	0	-0.21078	NA	0.091088	NA	-0.1879	NA
AT5G28530	FR510	76.08985	103.4863	68.24568	72.99756	67.51766	71.77254	84.48383	90.62675	62.47974	71.00564	77.15937	87.01615	-0.19487	0.478419	-0.04071	0.904452	-0.05402	0.929369
AT5G28535	AT5G28535	1.188904	0	0	0.662467	0	0.889303	0	0	0	0	0	0	-0.09199	NA	-0.04588	NA	-0.20606	NA
AT5G28540	MED37A	1736.989	1439.887	1303.106	4154.674	3866.159	4294.39	2856.443	3623.991	3947.939	1207.096	1150.739	1193.364	1.4356	4.08E-24	1.199081	5.53E-17	-0.33031	0.15333
AT5G28545	AT5G28545	0	1.784246	0	0	0	0	1.778607	0	0	0.959536	0	2.071813	-0.33367	NA	0.052654	NA	0.235244	NA
AT5G28550	AT5G28550	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT5G28560	AT5G28560	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G28570	AT5G28570	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G28580	AT5G28580	1.188904	1.784246	0	0	0	0.889303	0	0	0	0	0	0	-0.51815	NA	-0.28593	NA	-0.47378	NA
AT5G28590	AT5G28590	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT5G28593	AT5G28593	0	0	0	0.662467	0	0	0	0	0	1.330334	0	0	0.101524	NA	0	NA	0.179327	NA
AT5G28596	AT5G28596	0	0	0	0.412416	0	0.889303	0	0	0	0	0	0	0.066991	NA	0.136991	NA	0	NA
AT5G28600	AT5G28600	0	0	0	0	0	0	0	0.976246	0	1.330334	0	0	0	NA	0.150797	NA	0.184203	NA
AT5G28605	AT5G28605	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G28610	AT5G28610	0	0	0	0.412416	0.662467	0	0	1.952492	0	0	0	0	0.190843	NA	0.312584	NA	0	NA
AT5G28615	AT5G28615	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT5G28620	AT5G28620	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G28622	AT5G28622	22.58917	28.54794	16.73951	27.63184	18.54908	37.87995	30.23632	26.97225	19.52492	23.02886	22.61568	23.82585	0.277405	0.520793	0.180686	0.716901	0.049871	0.961629
AT5G28623	AT5G28623	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT5G28624	AT5G28624	0	0	0	0.662467	0	0.889303	0	0	0.959536	0	1.035907	0	0.09579	NA	0.155806	NA	0.349001	NA
AT5G28625	AT5G28625	1.188904	0	0	0.412416	0	0	0	0	0	0	0	0	-0.10956	NA	-0.19067	NA	-0.18704	NA
AT5G28626	SADHU1-3	28.53369	26.76369	46.35556	29.28151	30.47349	27.91154	32.90423	31.28781	15.61994	42.21957	41.24035	34.18492	-0.20656	0.607925	-0.33141	0.426037	0.182976	0.801445
AT5G28627	AT5G28627	0	0	0	0	0	1.778607	0	0	0	0	0	0	0	NA	0.248756	NA	0	NA
AT5G28630	AT5G28630	1.188904	21.41095	10.30123	16.90904	15.89921	19.93682	20.45398	12.94668	67.36097	8.635821	3.991002	10.35907	0.236203	0.707337	1.022912	0.055857	-0.64087	0.489125
AT5G28635	AT5G28635	0	1.784246	1.287654	1.237247	0	1.778607	0	0	0.959536	2.660668	0	0	-0.23001	NA	-0.14396	NA	0.078714	NA
AT5G28637	AT5G28637	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT5G28640	GIF1	225.8917	189.1301	218.9012	320.4469	316.6594	226.2829	200.9826	186.648	205.0117	347.3519								

AT5G29975	AT5G29975	1.188904	0	0	0	0.662467	0.996841	4.446517	1.07889	1.952492	1.919071	1.330334	1.035907	-0.09457	0.905552	0.852029	0.202802	0.437539	NA
AT5G30060	AT5G30060	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G30102	AT5G30102	0	0	0	0	0	0	0.889303	0	0	0	0	1.035907	0	NA	0.137906	NA	0.15538	NA
AT5G30123	AT5G30123	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G30189	AT5G30189	0	0	0	0	0	0	0	1.07889	0	0.959536	0	0	0	NA	0.156853	NA	0.149599	NA
AT5G30207	AT5G30207	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	NA	0.16673	NA	0	NA
AT5G30218	AT5G30218	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G30247	AT5G30247	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G30269	AT5G30269	2.377808	0	0	0	0	0	2.66791	2.15778	0.976246	2.878607	2.660668	1.035907	-0.668	0.304205	0.451964	0.536646	0.524166	NA
AT5G30276	AT5G30276	0	0	0	0	0	0	1.778607	0	1.952492	0	0	0	0	NA	0.588939	NA	0	NA
AT5G30341	AT5G30341	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G30380	AT5G30380	0	0	0	0.412416	0.662467	0	0.889303	0	0	0	0	0	0.208167	NA	0.156588	NA	0	NA
AT5G30390	AT5G30390	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G30400	AT5G30400	0	0	0	0	0	0	0	1.07889	0	0	1.330334	0	0	NA	0.160793	NA	0.184979	NA
AT5G30406	AT5G30406	0	0	0	0.412416	0	0	0.889303	0	0	0	0	0	0.066991	NA	0.136991	NA	0	NA
AT5G30410	AT5G30410	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G30420	AT5G30420	0	0	0	0.412416	0	0.996841	0.889303	2.15778	0	0	0	0	0.235258	NA	0.510029	NA	0	NA
AT5G30428	AT5G30428	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G30440	AT5G30440	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G30450	AT5G30450	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT5G30460	AT5G30460	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0.172362	NA
AT5G30470	AT5G30470	0	1.784246	0	0	0	0	0	1.07889	0	0	0	0	-0.26712	NA	-0.06363	NA	-0.24374	NA
AT5G30480	AT5G30480	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT5G30490	AT5G30490	156.9353	178.4246	173.8333	256.1101	276.2489	205.3492	201.8719	214.6991	281.1588	176.5546	220.8354	202.0018	0.531016	0.006476	0.445645	0.03215	0.227935	0.524933
AT5G30495	AT5G30495	103.4346	124.8972	136.4914	209.9195	243.788	210.3334	261.4552	206.068	254.8002	165.0401	203.5411	186.4632	0.847095	2.44E-06	0.968105	8.27E-08	0.588199	0.017149
AT5G30500	GOLS10	0	0	0	0	0.662467	0	0	1.07889	0	0.959536	0	0	0.09931	NA	0.162455	NA	0.157224	NA
AT5G30510	RPS1	6291.68	6855.073	6782.075	4826.912	5542.201	5234.411	7320.746	7108.806	7783.609	8185.798	7767.82	7481.317	-0.35082	0.000319	0.155868	0.161124	0.232646	0.100003
AT5G30520	AT5G30520	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G30532	AT5G30532	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
AT5G30545	AT5G30545	1.188904	0	0	0	0	0	0	0	0	0	1.330334	1.035907	-0.27792	NA	-0.24566	NA	0.172077	NA
AT5G30584	AT5G30584	0	1.784246	0	0.412416	1.324935	0	5.335821	0	0	0	2.660668	1.035907	-0.00927	0.990376	0.443282	0.499506	0.227482	NA
AT5G30628	AT5G30628	0	0	1.287654	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT5G30648	AT5G30648	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G30673	AT5G30673	0	0	0	0	0	0	2.66791	1.07889	0.976246	0	1.330334	1.035907	0	NA	0.81205	NA	0.402427	NA
AT5G30721	AT5G30721	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G30762	AT5G30762	0	0	1.287654	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT5G30852	AT5G30852	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G30870	AT5G30870	0	0	0	0	0.662467	0	0	0	0	0	0	1.035907	0.098893	NA	0	NA	0.150283	NA
AT5G30942	AT5G30942	2.377808	0	0	0	0	0	0	2.15778	0	0	0	1.035907	-0.39718	NA	-0.04297	NA	-0.18859	NA
AT5G31032	AT5G31032	0	1.784246	0	0.824831	0	0	0	0	0	0	0	0	-0.07079	NA	-0.23477	NA	-0.22995	NA
AT5G31087	AT5G31087	0	0	0	0	0	0	3.557214	0	0	0	1.330334	0	0	NA	0.463272	NA	0.162805	NA
AT5G31092	AT5G31092	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G31122	AT5G31122	0	0	0	0.412416	0	0.996841	1.778607	2.15778	0	0	0	0	0.223121	NA	0.638338	NA	0	NA
AT5G31212	AT5G31212	0	0	0	0.412416	0	0	0	0	0.959536	0	0	0	0.066171	NA	0	NA	0.145274	NA
AT5G31302	AT5G31302	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT5G31314	AT5G31314	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G31355	AT5G31355	0	0	0	0	0.662467	0	0	0	0	0	0	1.035907	0.098893	NA	0	NA	0.150283	NA
AT5G31412	AT5G31412	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT5G31496	AT5G31496	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G31511	AT5G31511	0	0	0	0	0	0	1.778607	0	0	0	0	0	0	NA	0.248756	NA	0	NA
AT5G31536	AT5G31536	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G31572	AT5G31572	0	0	0	0.412416	0	0	0.889303	0	0	0	1.330334	0	0.065278	NA	0.149821	NA	0.193775	NA
AT5G31637	AT5G31637	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT5G31651	AT5G31651	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G31662	AT5G31662	0	0	0	0	0	0	0	0	0.959536	0	0	0	0	NA	0	NA	0.171512	NA
AT5G31668	AT5G31668	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G31685	AT5G31685	0	0	0	0	0	0	0	0	0.959536	0	1.035907	0	0	NA	0	NA	0.332992	NA
AT5G31702	AT5G31702	1.188904	0	0	0	0	0	0	0.976246	0	0	1.035907	0	-0.24535	NA	-0.04001	NA	-0.02753	NA
AT5G31719	AT5G31719	1.188904	0	0	0	0	0	3.557214	2.15778	0.976246	0	1.330334	3.10772	-0.41273	0.528209	0.74701	0.246349	0.44927	NA
AT5G31736	AT5G31736	0	0	0	0.662467	0	0.889303	0	0	0	0	1.330334	0	0.09913	NA	0.145297	NA	0.18929	NA
AT5G31752	AT5G31752	0	0	0	0.662467	0.996841	0	0	0	0	0	0	0	0.262313	NA	0	NA	0	NA
AT5G31753	AT5G31753	0	0	0	0.412416	0	0	0	0	0	0	1.330334	0	0.067751	NA	0	NA	0.180865	NA
AT5G31758	AT5G31758	0	0	0	0	0	0	1.07889	0	0	0	0	0	0	NA	0.16673	NA	0	NA
AT5G31770	AT5G31770	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT5G31778	AT5G31778	0	0	0	0.662467	0	0.889303	0	0	0.959536	0	0	0	0.100335	NA	0.144523	NA	0.157063	NA
AT5G31787	AT5G31787	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G31804	AT5G31804	0	0	0.412416	1.324935	0	0.889303	1.07889	0	0	0	0	0	0.339074	NA	0.343169	NA	0	NA
AT5G31807	AT5G31807	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT5G31821	AT5G31821	1.188904	0	0	0.412416	0	0	1.07889	0.976246	0	0	0	0	-0.16117	NA	0.136608	NA	-0.23989	NA
AT5G31838	AT5G31838	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G31842	AT5G31842	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G31845	AT5G31845	0	0	0	0	0	0.889303	1.07889	0	0.959536	0	0	0	0	NA	0.340278	NA	0.175396	NA
AT5G31855	AT5G31855	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT5G31873	AT5G31873	0	1.784246	0	0.412416	0.662467	0	0.889303	2.15778	0	0.959536	0	1.035907	-0.10467	NA	0.245			

AT5G32726	AT5G32726	0	0	0	0	0.662467	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA	
AT5G32750	AT5G32750	0	0	0	0	0	0	0	2.15778	0.976246	0.959536	1.330334	1.035907	0	NA	0.547057	NA	0.57556	NA
AT5G32775	AT5G32775	1.188904	0	0	0	0	0	0	0	0	0	1.330334	0	-0.2006	NA	-0.20393	NA	0.001199	NA
AT5G32800	AT5G32800	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	NA	0.16673	NA	0	NA
AT5G32825	AT5G32825	0	0	0	0	0.412416	0	0	0	0	0	1.330334	0	0.067751	NA	0	NA	0.180865	NA
AT5G32850	AT5G32850	0	0	0	0	0	0	0	0.889303	0	0	0	1.035907	0	NA	0.137906	NA	0.15538	NA
AT5G32875	AT5G32875	0	0	0	0	0	0	0	0.889303	0	0	0	0	0	NA	0.160764	NA	0	NA
AT5G32900	AT5G32900	0	0	0	0	0	0	0	0.889303	0	0	0	0	0	NA	0.160764	NA	0	NA
AT5G32925	AT5G32925	0	0	0	0	0	0	0	1.778607	1.07889	0	0	0	0	NA	0.460477	NA	0	NA
AT5G32950	AT5G32950	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G32975	AT5G32975	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G33000	AT5G33000	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G33025	AT5G33025	0	0	0	0	0	0	0	0.889303	0	0	0	0	0	NA	0.160764	NA	0	NA
AT5G33050	AT5G33050	1.188904	0	0	0	0	0	0.996841	1.778607	1.07889	1.952492	0	1.035907	-0.161	NA	0.552014	NA	-0.05595	NA
AT5G33070	AT5G33070	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G33075	AT5G33075	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G33100	AT5G33100	0	0	0	0	0	0	0.996841	0	0	0	0	0	0	NA	0.15625	NA	0	NA
AT5G33125	AT5G33125	1.188904	0	0	0	0	0	0.996841	0.889303	0	0	0.959536	0	-0.07493	NA	-0.05519	NA	-0.03906	NA
AT5G33150	AT5G33150	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G33175	AT5G33175	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT5G33200	AT5G33200	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT5G33202	AT5G33202	0	0	0	0	0	0	0.996841	0	1.07889	0	0	0	0.134295	NA	0.152414	NA	0	NA
AT5G33204	AT5G33204	0	1.784246	0	0	0	0	1.993682	1.778607	0	0	0	0	0.034533	NA	0.038734	NA	-0.22418	NA
AT5G33207	AT5G33207	0	1.784246	0	0	0	0	0	0	0	0.976246	0	0	-0.266	NA	-0.07274	NA	-0.24323	NA
AT5G33210	SR58	5.94452	8.92123	9.01358	4.536571	5.962205	4.984204	2.66791	10.7889	10.73871	10.55489	10.64267	6.215439	-0.47628	0.440839	0.013423	0.986113	0.166719	NA
AT5G33220	AT5G33220	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G33223	AT5G33223	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	NA	0.16673	NA	0	NA
AT5G33226	AT5G33226	1.188904	1.784246	0	0	0	0	0	1.07889	0	0	0	0	-0.51824	NA	-0.26789	NA	-0.47293	NA
AT5G33230	AT5G33230	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G33232	AT5G33232	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G33234	AT5G33234	0	0	0	0	0	0.996841	0	2.15778	0.976246	0	1.330334	0	0.111042	NA	0.478504	NA	0.189626	NA
AT5G33237	AT5G33237	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G33240	AT5G33240	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G33250	AT5G33250	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G33251	AT5G33251	0	0	0	0	0.662467	0	0	0	0.976246	0	0	0	0.097788	NA	0.140077	NA	0	NA
AT5G33252	AT5G33252	0	0	1.287654	0	0	0	0.889303	0	0	0	0	0	-0.21946	NA	-0.0473	NA	-0.20113	NA
AT5G33253	AT5G33253	0	0	0	0.412416	0	0	0	0	0	0	0	1.035907	0.065109	NA	0	NA	0.150531	NA
AT5G33254	AT5G33254	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT5G33255	AT5G33255	0	0	0	0.412416	0	0	0.889303	0	0	0	0	0	0.066991	NA	0.136991	NA	0	NA
AT5G33256	AT5G33256	1.188904	0	0	0	0.662467	0	0.889303	0	0	0	0	0	-0.09199	NA	-0.04588	NA	-0.20606	NA
AT5G33257	AT5G33257	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G33258	AT5G33258	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT5G33259	AT5G33259	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G33260	AT5G33260	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G33270	AT5G33270	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT5G33280	CBCLC6	431.5721	346.1437	350.242	221.4672	225.9013	284.0996	297.9167	293.4581	231.3703	356.9473	361.8508	339.7773	-0.62601	0.000156	-0.45025	0.010944	-0.09406	0.795551
AT5G33285	AT5G33285	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G33290	XGD1	124.8349	153.4452	144.2173	329.52	331.2336	315.0017	358.3893	301.0103	309.47	77.72239	103.766	105.6625	1.195573	6.63E-14	1.184981	2.48E-13	-0.54228	0.031496
AT5G33300	AT5G33300	46.36725	39.25341	65.67037	56.08852	58.95959	63.79781	62.25124	38.84004	44.90732	65.24842	70.5077	75.62118	0.205669	0.513067	-0.05622	0.88676	0.442807	0.311768
AT5G33303	AT5G33303	0	0	0	1.649662	1.324935	0	1.778607	0	0	0	0	0	0.48355	NA	0.273306	NA	0	NA
AT5G33306	AT5G33306	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
AT5G33310	AT5G33310	1.188904	0	0	0	0	0	0.889303	0	0	0	0	0	-0.20902	NA	-0.03919	NA	-0.19148	NA
AT5G33315	AT5G33315	0	0	0	1.649662	1.324935	2.990522	3.557214	2.15778	5.857476	0.959536	0	1.035907	0.852351	0.195431	1.447596	0.02233	0.305614	NA
AT5G33320	PPT1	1178.204	788.6367	937.4124	623.5723	726.7266	658.9118	732.7861	666.754	575.0089	854.9462	1052.294	809.043	-0.52379	0.00332	-0.54746	0.002583	-0.09877	0.795657
AT5G33330	AT5G33330	0	0	0	0	0	0.996841	0	1.07889	0	0	1.330334	0	0.131103	NA	0.159742	NA	0.186122	NA
AT5G33340	CDR1	0	0	0	0	0	0.996841	0.889303	0	0.976246	0.959536	0	0	0.129805	NA	0.322409	NA	0.169171	NA
AT5G33350	AT5G33350	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G33355	AT5G33355	0	1.784246	0	2.062078	2.649869	2.990522	6.225124	4.31556	14.64369	0.959536	1.330334	1.035907	0.720746	0.296058	1.94453	0.00168	0.20024	NA
AT5G33360	AT5G33360	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G33365	AT5G33365	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G33370	AT5G33370	130.7794	224.815	162.2444	170.74	164.9544	91.70935	88.04104	70.12785	89.81463	196.7048	252.7635	170.9246	-0.24111	0.44078	-0.99335	0.000313	0.255465	0.612957
AT5G33380	AT5G33380	1.188904	1.784246	0	0	0	0	0.889303	0	0	0	0	0	-0.51815	NA	-0.28593	NA	-0.47378	NA
AT5G33381	AT5G33381	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0.172362	NA
AT5G33382	AT5G33382	9.511232	12.48972	5.150617	7.835896	7.949607	2.990522	8.003731	5.39445	2.928738	8.635821	10.64267	11.39497	-0.33528	0.591008	-0.51785	0.423156	0.169748	NA
AT5G33383	AT5G33383	2.377808	0	0	0	1.324935	0.996841	0.889303	0	0	0	0	0	-0.03126	NA	-0.24241	NA	-0.21446	NA
AT5G33384	AT5G33384	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
AT5G33385	AT5G33385	0	0	0	0	0.662467	0	1.778607	0	0	0	0	0	0.091702	NA	0.255494	NA	0	NA
AT5G33386	AT5G33386	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	NA	0.16673	NA	0	NA
AT5G33387	AT5G33387	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT5G33388	AT5G33388	0	1.784246	0	0	0	0	0.889303	0	0	0	0	0	-0.26522	NA	-0.08117	NA	-0.24296	NA
AT5G33389	AT5G33389	0	0	1.287654	0	0.662467	0	0	3.23667	0	0	1.330334	0	-0.12802	NA	0.238698	NA	-0.01989	NA
AT5G33390	AT5G33390	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	NA	0.16673	NA	0	NA
AT5G33391	AT5G33391	0																	

AT5G33990	AT5G33990	0	0	0	0	0	0	0.889303	0	0.976246	0	0	0	NA	0.309898	NA	0	NA	
AT5G34082	AT5G34082	0	0	0	0	0.662467	0	0	0	0	0	1.035907	0.098893	NA	0	NA	0.150283	NA	
AT5G34174	AT5G34174	0	0	0	0	0.662467	0	1.07889	0	0	0	0	0.098648	NA	0.150881	NA	0	NA	
AT5G34266	AT5G34266	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0.172362	NA	
AT5G34358	AT5G34358	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT5G34376	AT5G34376	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT5G34394	AT5G34394	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT5G34412	AT5G34412	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT5G34431	AT5G34431	0	0	0	0	0	0.996841	0	0	0	0	1.035907	0.134822	NA	0	NA	0.152581	NA	
AT5G34450	AT5G34450	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT5G34460	AT5G34460	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT5G34480	AT5G34480	0	0	0	0	0	0.996841	0	0	0	0	0	0.15625	NA	0	NA	0	NA	
AT5G34500	AT5G34500	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT5G34520	AT5G34520	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT5G34540	AT5G34540	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT5G34560	AT5G34560	0	1.784246	0	0	0	0	0	0	0	0	1.330334	1.035907	-0.3233	NA	-0.28783	NA	0.137032	NA
AT5G34581	AT5G34581	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT5G34602	AT5G34602	0	0	0	0	0.662467	0	0	0	0	0	1.035907	0.098893	NA	0	NA	0.150283	NA	
AT5G34623	AT5G34623	1.188904	0	1.287654	0	0	0.996841	1.778607	0	0	1.330334	0	-0.29456	NA	-0.09785	NA	-0.20495	NA	
AT5G34644	AT5G34644	0	0	0	0	0	0	0.889303	0	0	0	0	0	NA	0.160764	NA	0	NA	
AT5G34665	AT5G34665	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0.172362	NA	
AT5G34686	AT5G34686	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT5G34696	AT5G34696	0	0	0	0	0	0	0.889303	0	0.959536	0	0	0	NA	0.13694	NA	0.147196	NA	
AT5G34707	AT5G34707	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT5G34728	AT5G34728	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA	
AT5G34749	AT5G34749	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
AT5G34770	AT5G34770	0	0	0	0	0	1.778607	0	0	0	1.330334	0	0	NA	0.264566	NA	0.174671	NA	
AT5G34780	KPR	11.88904	17.84246	9.01358	14.43455	15.23675	19.93682	13.33955	20.49891	16.59618	15.35257	6.65167	8.287252	0.320564	0.531585	0.352363	0.518907	-0.23586	NA
AT5G34790	AT5G34790	32.10041	26.76369	19.31482	5.773818	5.299738	9.968408	6.225124	2.15778	4.88123	19.19071	9.312338	18.64632	-1.67712	0.000114	-0.25603	1.07E-05	-0.61956	NA
AT5G34795	AT5G34795	11.88904	16.05821	12.87654	2.474493	1.987402	0.996841	5.335821	4.31556	3.904984	5.757214	1.330334	8.287252	-2.02369	0.000168	-1.21958	0.034498	-1.05516	NA
AT5G34800	AT5G34800	32.10041	17.84246	27.04074	9.073143	5.299738	5.981045	5.335821	10.7889	5.857476	20.15025	22.61568	21.75404	-1.64186	0.000063	-1.58539	0.000296	-0.25112	NA
AT5G34810	AT5G34810	3.566712	1.784246	5.150617	0.824831	0.662467	0.996841	0	3.23667	0	2.878607	2.660668	3.10772	-1.02019	0.12583	-0.85655	0.228185	-0.16413	NA
AT5G34820	AT5G34820	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G34825	AT5G34825	4.755616	3.568492	3.862963	0.824831	0	0.996841	0	3.23667	2.928738	3.838143	3.991002	4.143626	-1.31948	0.040513	-0.58718	0.435283	-0.00097	NA
AT5G34828	AT5G34828	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G34829	AT5G34829	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G34830	AT5G34830	2.377808	0	3.862963	0.412416	0	0	1.778607	0	0.976246	3.838143	2.660668	2.071813	-1.04023	0.107003	-0.48537	0.516926	0.234727	NA
AT5G34831	AT5G34831	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G34832	AT5G34832	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	NA	0.16673	NA	0	NA
AT5G34833	AT5G34833	0	0	0	0	0.662467	0	3.557214	1.07889	0	0	1.035907	0.06069	NA	0.677575	NA	0.159459	NA	NA
AT5G34834	AT5G34834	0	1.784246	0	0.412416	0	0	0.889303	0	0	0	0	0	-0.17556	NA	-0.08634	NA	-0.258627	NA
AT5G34835	AT5G34835	1.188904	0	0	0	0	0	0	0	0	0	0	1.035907	-0.21339	NA	-0.19896	NA	-0.02174	NA
AT5G34836	AT5G34836	0	0	0	0	0	0	0	0	0.959536	0	0	0	0	NA	0	NA	0.171512	NA
AT5G34837	AT5G34837	0	0	0	0	0	0	0	0	0	1.330334	0	0	0	NA	0	NA	0.172362	NA
AT5G34838	AT5G34838	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G34839	AT5G34839	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G34840	AT5G34840	0	0	0	0	0	0	1.07889	0	0	0	0	0	0	NA	0.16673	NA	0	NA
AT5G34841	AT5G34841	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G34842	AT5G34842	1.188904	0	0	0	0	0	0.889303	0	0	0	0	0	-0.20902	NA	-0.03919	NA	-0.19148	NA
AT5G34843	AT5G34843	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G34844	AT5G34844	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0.172362	NA
AT5G34845	AT5G34845	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT5G34846	AT5G34846	0	0	0	0	0	0.889303	0	0	0	0	1.035907	0	NA	0.137906	NA	0.15538	NA	NA
AT5G34847	AT5G34847	1.188904	0	0	0	0.662467	0	0	0	0	0	0	0	-0.07436	NA	-0.18968	NA	-0.18606	NA
AT5G34848	AT5G34848	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0.172362	NA
AT5G34849	AT5G34849	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G34850	PAP26	1391.018	1416.691	1474.364	1161.775	912.2174	1197.206	1089.397	1216.988	1092.419	1276.182	949.8585	1660.558	-0.37944	0.057697	-0.32542	0.125338	-0.13514	0.7288
AT5G34851	AT5G34851	1.188904	0	0	0.412416	0.662467	0.996841	0.889303	2.15778	1.952492	1.919071	0	0	0.069049	0.929344	0.552191	0.411156	-0.11082	NA
AT5G34852	AT5G34852	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G34853	AT5G34853	275.8257	265.8527	235.6407	194.2477	180.8536	235.2544	216.1007	206.068	191.3442	198.6239	260.7455	220.6481	-0.35029	0.047933	-0.3335	0.077155	-0.19472	0.537364
AT5G34854	AT5G34854	0	0	0	0	0	0	1.778607	1.07889	0	0	0	0	0	NA	0.460477	NA	0	NA
AT5G34855	AT5G34855	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G34856	AT5G34856	0	0	0	0	0	0.996841	0.889303	2.15778	0	0.959536	0	1.035907	0.098591	NA	0.495241	NA	0.34714	NA
AT5G34857	AT5G34857	1.188904	0	0	0	0	0.889303	0	0.976246	0	0	0	0	-0.26727	NA	0.121982	NA	-0.23048	NA
AT5G34858	AT5G34858	1.188904	0	0	0	0	0	0	2.15778	0.976246	0	0	0	-0.27954	NA	0.290901	NA	-0.23241	NA
AT5G34859	AT5G34859	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G34860	AT5G34860	0	0	0.412416	0	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
AT5G34861	AT5G34861	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G34862	AT5G34862	0	0	0	0	0	0.889303	1.07889	0	0	0	0	0	0	NA	0.3225	NA	0	NA
AT5G34863	AT5G34863	0	0	0	0.662467	0	1.778607	0	0	0	0	0	0	0.091702	NA	0.255494	NA	0	NA
AT5G34864	AT5G34864	0	0	0	0	0	1.778607	0	0	0	2.660668	0	0	0	NA	0.249862	NA	0.323471	NA
AT5G34865	AT5G34865	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G34866	AT5G34866	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
AT5G34867	AT5G34867	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
AT5G34868	AT5G34868	2.377808	3.568492	0	0.824831														

ATSG35590	PAA1	788.2433	981.3353	996.6445	1524.288	1690.616	1455.388	1247.693	1261.222	1354.053	1065.085	1358.271	927.1363	0.744236	2.06E-06	0.474641	0.004527	0.271059	0.305041
ATSG35600	HD7	0	1.784246	0	0	1.324935	0	0	0	0	0.959536	1.330334	0	-0.02733	NA	-0.27669	NA	0.109814	NA
ATSG35601	ATSG35601	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG35602	ATSG35602	0	0	0	0	0	0.996841	0	0	0	0	0	0	0.15625	NA	0	NA	0	NA
ATSG35603	ATSG35603	0	0	0	0	0	0	0	1.07889	0	0	1.330334	0	0	NA	0.160793	NA	0.184979	NA
ATSG35604	ATSG35604	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG35605	ATSG35605	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG35606	ATSG35606	1.188904	0	1.287654	0.412416	0.662467	0	1.778607	0	2.928738	0	1.330334	1.035907	-0.31385	0.650755	0.139062	0.662313	-0.06426	NA
ATSG35607	ATSG35607	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG35608	ATSG35608	0	0	0	2.062078	1.987402	2.990522	0	2.15778	0	0	0	0	1.046007	NA	0.330514	NA	0	NA
ATSG35610	ATSG35610	1.188904	0	0	0	0	0	0	0	0	0	0	1.035907	-0.21339	NA	-0.19896	NA	-0.02174	NA
ATSG35615	ATSG35615	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG35620	EIf[ISO]4E	360.2379	392.5341	458.4049	524.1802	557.135	446.5847	420.6405	413.2148	579.8901	392.4501	400.4305	335.6337	0.330462	0.081157	0.21832	0.301176	-0.10092	0.796296
ATSG35630	GLN2	12056.67	12675.28	11937.84	6556.17	5776.715	5851.455	7947.705	8534.019	9183.546	12586.23	12066.13	11900.49	-1.00474	9.93E-28	-0.51135	9.49E-08	-0.0044	0.988256
ATSG35631	ATSG35631	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG35640	ATSG35640	0	0	0	0	0	0	0	0	0	0.959536	0	0	0	NA	0	NA	0.171512	NA
ATSG35643	ATSG35643	0	0	0	0	0.662467	0	0	1.07889	0	0	1.330334	1.035907	0.091868	NA	0.172208	NA	0.377142	NA
ATSG35646	ATSG35646	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0.172362	NA
ATSG35650	ATSG35650	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG35655	ATSG35655	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
ATSG35657	ATSG35657	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG35660	ATSG35660	0	0	0	1.237247	0	0.996841	0	0	0	0	0	0	0.370903	NA	0	NA	0	NA
ATSG35670	iqd33	80.84547	74.93833	86.27284	36.70499	32.4609	43.86099	49.80099	34.52448	35.14486	75.80331	73.16837	87.01615	-1.0752	6.89E-06	-0.96934	0.000137	-0.03554	0.957023
ATSG35680	ATSG35680	391.1494	396.1026	414.6247	645.018	694.9282	547.2656	572.7114	455.2916	829.8091	389.5715	412.4035	598.754	0.629143	0.006409	0.606423	0.010722	0.2132	0.625386
ATSG35688	ATSG35688	0	0	0	0	0	0	1.07889	0	0	0	0	0	0	NA	0.16673	NA	0	NA
ATSG35690	ATSG35690	614.6633	720.8354	643.8272	621.0979	635.3061	699.7822	811.0448	854.4808	685.3247	639.0507	715.7197	650.5493	-0.01611	0.931652	0.248288	0.092891	0.020326	0.956388
ATSG35695	ATSG35695	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG35698	ATSG35698	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG35700	FIM5	248.4809	239.089	283.284	209.5071	247.1003	282.1059	232.9975	265.4069	169.8668	255.2365	303.3161	265.1921	-0.06979	0.781895	-0.20438	0.388602	0.088473	0.844779
ATSG35710	ATSG35710	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG35715	CYP7188	0	0	0	0	0.662467	0	1.778607	0	0	0.959536	0	0	0.086846	NA	0.271724	NA	0.147328	NA
ATSG35720	ATSG35720	0	0	0	0	0.662467	0	1.778607	0	0	0	0	0	0.091702	NA	0.255494	NA	0	NA
ATSG35725	ATSG35725	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG35730	ATSG35730	309.115	289.0479	311.6124	428.4998	351.1077	449.5752	383.2898	371.1381	270.4201	336.797	328.5925	309.7361	0.422512	0.015349	0.166402	0.42876	0.095864	0.798327
ATSG35732	ATSG35732	3.566712	0	2.57309	7.835896	5.962205	3.987363	5.335821	2.15778	9.76246	3.838143	7.982004	8.287252	0.849225	0.183347	0.782356	0.253334	0.917167	NA
ATSG35735	ATSG35735	131.9683	203.404	154.5185	513.8698	539.9108	734.6717	1063.607	1131.756	1179.305	147.7685	114.4087	137.7756	1.827755	1.55E-23	2.728793	4.53E-52	-0.26412	0.477378
ATSG35736	ATSG35736	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
ATSG35737	ATSG35737	0	0	0	0	0	0	0.976246	0	0	0.959536	0	0	0	NA	0.16673	NA	0	NA
ATSG35738	ATSG35738	22.58917	17.84246	6.438272	14.84696	13.24935	9.968408	16.89677	22.65669	9.76246	17.27164	26.60668	14.50269	-0.23309	0.675426	0.058506	0.928673	0.256692	0.789871
ATSG35740	ATSG35740	42.80054	51.74313	45.0679	24.74493	24.51129	28.90838	38.24005	17.26224	57.59851	48.93632	94.45371	52.83123	-0.7587	0.047064	-0.26158	0.572286	0.444865	0.486936
ATSG35750	AHK2	537.3846	449.63	412.0494	210.7444	212.652	294.068	309.4776	342.0081	236.2515	463.4557	476.2596	478.5888	-0.95164	1.57E-07	-0.64291	0.000767	0.017832	0.973218
ATSG35753	ATSG35753	83.22328	87.42806	95.28642	81.24587	65.58426	80.7441	86.26244	78.75897	51.74104	94.03449	98.44471	80.80071	-0.21617	0.426123	-0.28187	0.320041	0.035329	0.95696
ATSG35756	ATSG35756	0	0	1.287654	0	0	0.996841	0.889303	0	0	0.959536	0	0	-0.0831	NA	-0.06297	NA	-0.04674	NA
ATSG35760	ATSG35760	0	0	0	0.412416	0	0	0	0.976246	0	1.330334	0	0	0.064654	NA	0.158339	NA	0.193679	NA
ATSG35770	SAP	2.377808	0	1.287654	0	1.324935	0	0.889303	1.07889	0	0.959536	0	0	-0.38396	NA	-0.25765	NA	-0.41256	NA
ATSG35775	ATSG35775	0	0	0	0	0	0	1.778607	0	0	0	0	1.035907	0	NA	0.26262	NA	0.150298	NA
ATSG35777	ATSG35777	65.38972	67.80135	82.40988	22.68286	15.23675	19.93682	28.45771	36.68226	29.28738	56.6126	62.5257	49.72351	-1.77737	2.24E-11	-1.13869	3.66E-05	-0.34364	0.463036
ATSG35780	ATSG35780	0	0	0	0	1.324935	0	1.778607	0	0.976246	0	0	0	0.209442	NA	0.421571	NA	0	NA
ATSG35790	APG1	1948.614	2026.903	1895.427	1031.451	1047.361	1028.74	1076.947	1150.097	1112.92	1802.008	1644.293	1998.264	-0.91036	1.83E-20	-0.80745	5.12E-16	-0.10617	0.591044
ATSG35791	ATSG35791	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
ATSG35792	ATSG35792	0	0	0	0	0.662467	0	0	0	0	0	1.330334	0	0.101524	NA	0	NA	0.179327	NA
ATSG35794	ATSG35794	1.188904	0	0	0.412416	0	0	0	0	0	0	1.330334	0	-0.13525	NA	-0.22145	NA	-0.00291	NA
ATSG35796	ATSG35796	0	0	0	0.412416	0.662467	0	0	0	0	0	0	0	0.196313	NA	0	NA	0	NA
ATSG35798	ATSG35798	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG35800	ATSG35800	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG35802	ATSG35802	0	0	1.287654	0	0	0.889303	0	0	0	0	0	0	-0.21946	NA	-0.0473	NA	-0.20113	NA
ATSG35805	ATSG35805	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG35810	ATSG35810	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG35820	ATSG35820	0	0	0	0	0	0	1.778607	0	0	0	0	0	0	NA	0.248756	NA	0	NA
ATSG35830	ATSG35830	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG35840	PHYC	525.4955	446.0615	374.7074	300.2385	278.8987	296.0617	331.7102	332.2981	254.8002	404.924	448.3225	421.614	-0.61108	0.000167	-0.54236	0.001329	-0.0797	0.83221
ATSG35860	ATSG35860	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG35870	ATSG35870	0	0	0	0	0.662467	0	0	0	0	0	0	1.035907	0.098893	NA	0	NA	0.150283	NA
ATSG35880	ATSG35880	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG35890	ATSG35890	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
ATSG35900	LBD35	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG35910	ATSG35910	425.6276	297.9691	351.5296	313.8483	311.3596	365.8406	313.9241	375.4537	284.0876	338.7161	340.5655	354.28	-0.12675	0.529168	-0.14943	0.478031	-0.06289	0.875865
ATSG35912	ATSG35912																		

ATSG6970	NHL25	0	0	1.287654	3.71174	1.324935	1.993682	5.335821	1.07889	5.857476	0.959536	0	0	0.767951	0.256296	1.202561	0.06814	-0.10828	NA
ATSG6980	ATSG6980	1.188904	0	0	0.412416	0.662467	0	0.889303	3.23667	1.952492	0	1.330334	1.035907	-0.1138	0.879383	0.697064	0.285377	0.142846	NA
ATSG6990	ATSG6990	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	0.160764	NA	0	NA
ATSG7000	ATSG7000	48.74506	33.90067	47.64321	28.04426	18.54908	35.88627	29.34701	23.73558	22.45366	59.49121	54.54369	53.86714	-0.65827	0.037334	-0.74242	0.028086	0.332804	0.543675
ATSG7010	ATSG7010	107.0014	110.6233	103.0123	99.39215	96.05775	103.6714	92.48756	92.78453	108.3633	129.5373	162.3007	117.0574	-0.09843	0.690079	-0.12108	0.646782	0.335622	0.296514
ATSG7017	ATSG7017	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG7020	ARF8	580.1851	422.8663	378.5704	211.1568	186.8158	285.0965	208.097	234.1191	127.8882	459.6176	453.6439	438.1885	-0.98554	1.966-05	-1.22995	9.87E-08	-0.03225	0.960136
ATSG7030	ATSG7030	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG7040	ATSG7040	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG7050	ATSG7050	1.188904	1.784246	0	0.412416	0	2.990522	1.778607	2.15778	0	0	0	0	0.044301	0.953476	0.160038	0.830443	-0.464	NA
ATSG7055	SWC6	82.03437	101.702	109.4506	160.4297	184.1659	129.5893	120.056	126.2301	174.748	102.6703	131.7031	98.41112	0.679619	0.003397	0.506137	0.044686	0.171589	0.724668
ATSG7060	CHX24	0	0	0	0	0	0.996841	0.889303	0	0	0.959536	0	1.035907	0.129725	NA	0.152948	NA	0.344899	NA
ATSG7070	ATSG7070	105.8125	164.1506	136.4914	269.7198	285.5234	234.2576	191.2002	226.5669	359.2585	112.2657	94.45371	135.7038	0.92863	0.000184	0.903318	0.000374	-0.22216	0.662398
ATSG7072	ATSG7072	9.511232	5.352738	14.1642	3.71174	4.637271	0.996841	6.225124	4.31556	3.904984	9.595356	13.30334	14.50269	-1.18781	0.029898	-0.78046	0.199751	0.280628	NA
ATSG7080	ATSG7080	0	0	0	0	0	0	0.889303	2.15778	0	0	0	0	0	0	0.47993	NA	0	NA
ATSG7090	ATSG7090	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG7100	ATSG7100	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG7110	ATSG7110	1.188904	0	0	0	0.662467	0	0.889303	0	0	0	0	0	-0.09199	NA	-0.04588	NA	-0.20606	NA
ATSG7120	ATSG7120	0	0	0	0	0	0	0	1.07889	0	0	0	0	0	0	0.16673	NA	0	NA
ATSG7125	ATSG7125	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG7130	ATSG7130	480.3172	460.3355	457.1173	434.686	471.6767	457.5499	476.6667	460.686	377.8072	428.9124	478.9202	426.7935	-0.03719	0.833614	-0.08735	0.617573	-0.06913	0.819307
ATSG7140	ATSG7140	0	0	0	0	0	0.996841	1.778607	1.07889	0	0	0	0	0.130703	NA	0.45805	NA	0	NA
ATSG7145	ATSG7145	1.188904	0	1.287654	0	0.662467	0	0	0	0	0	0	0	-0.30133	NA	-0.43664	NA	-0.42841	NA
ATSG7150	ATSG7150	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	0.160764	NA	0	NA
ATSG7160	ATSG7160	0	0	0	1.237247	0	0.996841	0.889303	1.07889	0	0	0	0	0.41441	NA	0.334699	NA	0	NA
ATSG7170	ATSG7170	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG7175	ATSG7175	1.188904	1.784246	0	0	0	0	0	0	0	0	0	0	-0.49674	NA	-0.47297	NA	-0.46632	NA
ATSG7180	SUS5	17.83356	12.48972	30.9037	9.485558	5.299738	7.974726	20.45398	7.55223	5.857476	22.06932	10.64267	16.5745	-1.16766	0.017673	-0.70142	0.201859	-0.25905	NA
ATSG7190	CIP4	235.403	224.815	181.5593	167.0283	166.9418	170.4598	150.2923	183.4113	167.9143	219.7337	191.5681	234.1149	-0.34048	0.052043	-0.35	0.059845	0.014187	0.976974
ATSG7200	ATSG7200	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG7210	ATSG7210	1.188904	0	2.575309	0.412416	0.662467	0	0	0	1.952492	0	0	0	-0.41878	NA	-0.26216	NA	-0.61869	NA
ATSG7220	ATSG7220	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG7230	ATSG7230	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
ATSG7240	ATSG7240	2.377808	1.784246	1.287654	0.412416	3.312336	0.996841	1.778607	2.15778	2.928738	0.959536	2.660668	2.071813	-0.13469	0.871175	0.161144	0.853242	0.005852	NA
ATSG7250	ATSG7250	0	0	0	2.474493	0.662467	0	0.889303	1.07889	1.952492	0.959536	0	0	0.578405	NA	0.60547	NA	0.150136	NA
ATSG7260	RVE2	17.83356	12.48972	21.89012	27.63184	42.39791	39.87363	306.8097	318.2725	407.0946	29.7456	29.26735	47.6517	0.876399	0.007883	0.4019189	5.02E-46	0.876859	0.05827
ATSG7270	ATSG7270	1.188904	0	0	0.662467	0	0	0	0	1.952492	0	0	0	-0.0985	NA	-0.106534	NA	-0.20005	NA
ATSG7280	ATSG7280	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG7290	ATSG7290	71.33424	76.72258	69.53333	78.35896	97.38269	63.79781	64.91915	69.04896	71.26596	62.36982	63.85603	82.87252	0.149518	0.601982	-0.07772	0.81926	-0.04804	0.940181
ATSG7300	WSD1	156.9353	126.6815	99.14938	46.60296	43.72284	31.8989	41.79726	37.76115	12.6912	198.6239	170.2827	168.8528	-1.53165	4.91E-08	-1.90987	6.38E-11	0.468907	0.304362
ATSG7310	TMN4	300.7927	189.1301	206.0247	209.0947	203.3775	240.2386	239.2226	216.8569	208.9166	227.4099	186.2468	227.8994	-0.10464	0.662388	-0.07302	0.785469	-0.12037	0.772122
ATSG7320	ATSG7320	0	0	0	1.987402	0.996841	0	0	0	0	0	0	0	0.458639	NA	0	0	0	NA
ATSG7330	ATSG7330	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	0	0	0	0.172362	NA
ATSG7340	ATSG7340	68.95643	74.93833	84.98519	80.00862	76.8462	55.82308	65.80846	58.26006	58.57476	81.56053	69.17737	80.80071	-0.07878	0.791367	-0.3101	0.26472	0.023003	0.97247
ATSG7350	ATSG7350	253.2635	242.6575	292.2975	312.611	319.3092	292.0743	300.5846	289.1425	316.3037	232.2076	232.8084	205.1095	0.22531	0.139485	0.194673	0.242015	-0.23638	0.330378
ATSG7351	ATSG7351	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG7352	ATSG7352	1.188904	0	2.575309	3.71174	1.324935	1.993682	0.889303	4.31556	4.88123	0.959536	1.330334	1.035907	0.388026	0.606178	0.628096	0.39845	-0.12222	NA
ATSG7360	ATSG7360	1313.739	1434.534	1368.777	762.9688	768.462	667.8833	913.3147	879.2953	890.3363	1065.303	1553.83	1540.393	-0.89273	7.61E-21	-0.61169	4.6E-10	0.191474	0.225468
ATSG7370	ATSR11	517.1732	517.4313	561.4173	729.1507	667.767	592.1234	584.2724	592.3106	581.8426	556.5307	536.1246	515.8815	0.318911	0.011108	0.137259	0.35823	0.01045	0.977277
ATSG7380	ATSG7380	208.0582	205.1883	200.8741	207.0326	217.2893	206.346	230.3296	228.7247	220.6316	167.9187	172.9434	198.8941	0.038007	0.845368	0.144351	0.428898	-0.18247	0.512425
ATSG7381	ATSG7381	0	0	0	0	0	0	0.889303	0	0.959536	0	0	0	0.13694	NA	0.13694	NA	0.147196	NA
ATSG7383	ATSG7383	1.188904	0	0	0	0	0	0.889303	0	0	0	0	0	-0.20902	NA	-0.03919	NA	-0.19148	NA
ATSG7385	ATSG7385	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
ATSG7390	ATSG7390	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG7400	ATSG7400	27.34479	21.41095	21.89012	16.08421	17.22415	23.92418	19.56468	20.49891	26.35864	19.19071	18.62468	34.18492	-0.31783	0.462785	-0.08979	0.866274	0.024595	0.982852
ATSG7410	ATSG7410	46.36725	30.33218	33.47901	22.27044	18.54908	17.94313	25.7898	22.65669	39.04984	46.05771	33.25835	37.29264	-0.83558	0.013107	-0.3211	0.424784	0.071259	0.932283
ATSG7415	AGL105	0	0	0	0	0.662467	0	0.889303	1.07889	0	0	0	0	0.109123	NA	0.333186	NA	0	NA
ATSG7420	ATSG7420	1.188904	0	3.862963	0.412416	0.662467	2.990522	0.889303	1.07889	0.976246	1.919071	0	0	-0.19421	0.802249	-0.29863	0.697196	-0.42829	NA
ATSG7430	ATSG7430	0	1.784246	0	0.412416	1.324935	0	1.778607	0	0	0	0	1.035907	0.04504	NA	0.048912	NA	-0.07819	NA
ATSG7440	ATSG7440	11.88904	33.90067	29.61605	49.48987	41.73544	48.8452	38.24005	28.05114	26.35864	29.7456	27.93701	22.78994	0.866128	0.011672	0.311221	0.472339	0.119216	0.888561
ATSG7442	ATSG7442	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG7445	ATSG7445	0	0	0	0	0	0	0	0.976246	0	0	0	0	0	0	0.16673	NA	0	NA
ATSG7450	ATSG7450	4.755616	3.568492	2.575309	1.237247	0.662467	0.996841	0	3.236										

ATSG37800	BHLH86	0	0	0	0.412416	0	0	1.778607	0	0.976246	0	0	1.035907	0.045733	NA	0.46996	NA	0.176464	NA
ATSG37810	NIP4-1	0	0	0	0	0	0	0	0	0	1.919071	0	0	0	NA	0	NA	0.256851	NA
ATSG37820	NIP4-2	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG37830	OXF1	741.8761	569.1745	475.1445	405.4045	341.1706	461.5373	493.5634	576.1272	391.4746	441.3864	428.3675	467.1938	-0.55273	0.00641	-0.28411	0.217171	-0.40767	0.1832
ATSG37840	ATSG37840	0	0	0	0.412416	1.324935	1.993682	1.778607	0	0.976246	0	0	1.035907	0.604288	NA	0.474942	NA	0.167094	NA
ATSG37850	PK	481.5061	513.8629	611.6358	588.1046	646.5681	661.9023	747.0149	708.8307	704.8496	535.4209	428.3675	585.2782	0.23284	0.153902	0.402424	0.007205	-0.04935	0.892499
ATSG37860	ATSG37860	1.188904	1.784246	0	0.824831	0.662467	0	0.889303	0	0.959536	1.330334	1.035907	0	-0.20669	NA	-0.33989	NA	0.088322	NA
ATSG37870	ATSG37870	0	0	0	0	0	0	0	0	0.976246	0.959536	0	0	0	NA	0.148271	NA	0.148275	NA
ATSG37872	ATSG37872	0	0	0	0	0	0	0.889303	0	0	0	0	2.071813	0	NA	0.133076	NA	0.29577	NA
ATSG37875	ATSG37875	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG37880	ATSG37880	0	0	0	0	0	0	0	0	0	0	0	2.071813	0	NA	0	NA	0.262302	NA
ATSG37890	ATSG37890	118.8904	132.0342	137.779	169.9152	177.5412	147.5324	158.296	138.0979	142.5319	156.4043	163.6311	133.6319	0.351543	0.059279	0.17613	0.428981	0.217172	0.51334
ATSG37900	ATSG37900	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
ATSG37910	ATSG37910	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG37920	ATSG37920	0	0	0	0.662467	0	1.778607	0	0	0.959536	0	0	0	0.086846	NA	0.271724	NA	0.147328	NA
ATSG37930	ATSG37930	193.7913	208.7568	224.0519	304.7751	270.2866	260.1754	228.551	262.1703	270.4201	228.3695	232.8084	246.5458	0.415879	0.007375	0.275156	0.113529	0.173647	0.551502
ATSG37940	ATSG37940	87.97889	82.07532	65.67037	2.886909	8.612075	0	3.557214	10.7889	0	156.4043	142.3457	131.5601	-2.54757	1.04E-05	-2.39704	4.46E-05	0.654042	0.543547
ATSG37950	ATSG37950	45.17835	26.76369	33.47901	3.299325	1.987402	0.996841	2.66791	2.15778	0	32.62421	42.57069	34.18492	-3.21789	5.06E-14	-3.31427	9.7E-13	0.037205	0.971681
ATSG37960	ATSG37960	4.755616	0	1.287654	0	0	0	0	0	1.952492	0.959536	2.660668	3.10772	-1.05393	0.08372	-0.57185	0.408335	0.044206	NA
ATSG37970	ATSG37970	0	0	0	0	0	0	0	0	0	6.716749	3.991002	4.143626	0	1	0	0	1.855349	NA
ATSG37980	ATSG37980	5.94452	8.92123	0	2.062078	0.662467	0	0.889303	0	1.952492	4.797678	2.660668	3.10772	-1.0732	0.105425	-1.05426	0.12558	-0.23016	NA
ATSG37990	ATSG37990	0	0	0	0.824831	0	1.993682	0.889303	1.07889	1.952492	0	1.330334	2.071813	0.421184	0.515756	0.618297	0.33137	0.526043	NA
ATSG38000	ATSG38000	27.34479	14.27397	20.60247	3.71174	1.987402	0	1.778607	2.15778	3.904984	23.98839	39.91002	25.89766	-2.4944	1.51E-07	-2.27318	5.04E-06	0.460136	NA
ATSG38005	ATSG38005	7.133424	10.70548	6.438272	7.42348	11.26194	1.993682	3.557214	2.15778	4.88123	7.676285	7.982004	6.215439	-0.0918	1.900911	-0.79982	0.215251	-0.08747	NA
ATSG38010	UGT76E9	40.42273	32.11643	27.04074	7.011065	7.28714	0.996841	3.557214	4.31556	8.786214	32.62421	29.26735	18.64632	-2.20121	1.5E-07	-2.15677	1.12E-06	-0.27499	0.743574
ATSG38020	ATSG38020	2.377808	0	2.575309	4.948987	3.312336	3.987363	7.114428	7.55223	11.71495	3.88143	3.991002	1.035907	0.626077	0.354864	1.444006	0.019966	0.306603	NA
ATSG38030	ATSG38030	1.188904	0	2.575309	0.973143	3.974804	8.971567	7.82338	10.7889	8.57476	2.878607	2.660668	1.035907	1.378974	0.510003	1.56375	0.011003	0.220002	NA
ATSG38035	ATSG38035	2.377808	0	0	0	0	0	1.07889	0	1.919071	1.330334	0	0	-0.47918	NA	-0.23061	NA	0.107537	NA
ATSG38037	ATSG38037	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0.172362	NA
ATSG38040	UGT76E7	39.23383	37.46917	46.35556	34.23049	35.11077	30.90206	60.47264	44.23449	29.28738	59.49121	55.87403	34.18492	-0.27582	0.463149	0.114485	0.797465	0.254533	0.691086
ATSG38050	ATSG38050	58.25629	53.52738	68.24568	89.9066	81.48347	73.76622	77.3694	80.91675	71.26596	86.35821	66.5167	70.44614	0.433236	0.072274	0.32668	0.228134	0.297563	0.481893
ATSG38060	ATSG38060	13.07794	21.41095	20.60247	22.68286	17.22415	9.968408	14.22886	14.02557	29.28738	32.62421	29.26735	22.78994	-0.06848	0.904204	0.068846	0.908744	0.563462	0.43068
ATSG38070	ATSG38070	11.88904	5.352738	14.1642	9.485558	14.54288	10.96525	16.00746	9.710009	8.786214	21.10978	19.95501	16.5745	0.067708	0.912123	0.075454	0.908605	0.706418	NA
ATSG38080	ATSG38080	0	0	1.287654	0.412416	1.324935	0	0.889303	0	0	0.959536	0	0	0.092705	NA	-0.07402	NA	-0.05399	NA
ATSG38090	ATSG38090	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG38095	ATSG38095	2.377808	0	1.287654	0	0	0	0	0	1.952492	1.919071	2.660668	3.10772	-0.82027	0.186749	-0.30331	0.682329	0.464	NA
ATSG38100	ATSG38100	0	0	0	1.237247	0.662467	0.996841	1.778607	1.07889	0.976246	0.959536	3.991002	2.071813	0.466183	0.498428	0.62178	0.365362	0.995592	NA
ATSG38110	AF51B	108.1903	101.702	126.1901	163.729	184.1659	145.5388	164.5211	132.7035	171.8193	200.5429	194.2288	166.781	0.538176	0.005612	0.464069	0.052588	0.714522	0.002625
ATSG38120	4CLL8	36.85602	44.60615	23.17778	3.299325	6.624673	5.981045	11.56095	6.47334	5.857476	30.70514	38.57969	29.00538	-2.384	1.9E-09	-1.82166	9.25E-06	-0.066	0.947468
ATSG38130	ATSG38130	4.755616	1.784246	1.287654	0.824831	0	0.996841	1.778607	0	0.976246	1.919071	5.321336	5.179533	-0.90944	0.177366	-0.64138	0.386541	0.387082	NA
ATSG38140	NFYC10	347.16	310.4588	334.7901	172.8021	184.1659	168.4661	164.5211	195.2791	164.0093	359.8259	416.3945	340.8132	-0.90585	2.03E-10	-0.91382	5.67E-10	0.161518	0.552524
ATSG38150	PMI15	677.6752	606.6437	558.842	266.4205	235.1759	289.0838	240.1119	329.0614	299.7075	569.0046	453.6439	608.0771	-1.20032	1.37E-13	-1.06633	1.15E-10	-0.17124	0.594257
ATSG38155	ATSG38155	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG38160	ATSG38160	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG38170	ATSG38170	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG38180	ATSG38180	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG38190	ATSG38190	0	0	0	0	0	0	0	1.07889	0.976246	0	0	0	0	NA	0.333168	NA	0	NA
ATSG38192	ATSG38192	0	0	0	0	0	0.996841	0.889303	1.07889	0	0	0	0	0.143396	NA	0.329961	NA	0	NA
ATSG38195	ATSG38195	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG38197	ATSG38197	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG38200	ATSG38200	7.133424	7.136984	30.9037	6.598649	3.974804	8.971567	15.11816	5.39445	6.833722	14.39303	13.30334	18.64632	-0.97	0.077653	-0.56428	0.365678	0.021063	NA
ATSG38210	ATSG38210	34.47821	23.1952	21.89012	52.78919	64.25933	39.87363	43.57587	42.07671	59.51501	13.4335	14.63367	20.71813	0.910384	0.005727	0.788614	0.025243	-0.63913	0.277049
ATSG38212	ATSG38212	45.17835	33.90067	30.9037	49.48987	40.4105	64.79465	95.15547	90.62675	33.19236	41.26003	39.91002	38.32854	0.4263	0.286563	0.898446	0.016424	0.098097	0.914481
ATSG38220	ATSG38220	145.0463	173.0719	132.6284	171.1525	153.0299	157.5008	197.4254	171.5435	146.4369	149.6876	127.7121	183.3555	0.105452	0.667043	0.198959	0.409548	0.045461	0.929373
ATSG38230	ATSG38230	2.377808	5.352738	7.725926	0	0	0.996841	1.778607	2.15778	1.952492	3.88143	6.65167	9.323159	-1.8187	0.00332	-0.82634	0.242015	0.304258	NA
ATSG38240	ATSG38240	35.66712	57.09587	42.49299	98.15491	90.75802	125.6019	114.7201	92.78453	77.12343	32.62421	46.56169	34.18492	1.173628	7.39E-06	1.045659	0.000125	-0.23135	0.695339
ATSG38250	ATSG38250	5.94452	5.352738	2.575309	138.1592	128.5187	144.5419	61.36194	43.1556	42.95482	1.919071	2.660668	3.10772	4.278228	3.86E-30	2.838302	5.2E-13	-0.52122	0.587439
ATSG38260	ATSG38260	0	0	0	0.824831	3.312336	0	2.66791	3.23667	0	0	0	0	0.575482	0.367881	0.746664	0.241873	0.467456	NA
ATSG38270	ATSG38270	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG38275	ATSG38275	0	0	0	0	0													

ATSG39500	GNL1	426.8165	262.2842	283.284	174.0394	133.8184	228.2765	231.2189	263.2491	133.7457	266.7509	272.7185	254.833	-0.82658	0.00197	-0.60426	0.034363	-0.28191	0.567267
ATSG39510	VT11	670.5418	781.4998	829.2494	962.578	1049.348	886.1915	976.4552	884.6897	1071.1918	805.0504	1057.616	825.6175	0.341716	0.033551	0.3581	0.730444	0.231746	0.374712
ATSG39520	ATSG39520	3.566712	17.84246	16.73951	98.97974	93.40789	103.6714	76.4801	74.44341	36.1211	8.635821	30.59768	6.215439	2.546855	1.09E-09	1.947067	0.020046	0.161285	0.882916
ATSG39530	ATSG39530	1549.142	1877.027	1892.852	978.6622	1086.446	894.1662	862.6244	755.223	725.3508	2494.793	2848.245	2218.912	-0.83177	3.65E-09	-1.16367	7.9E-17	0.500894	0.006113
ATSG39532	ATSG39532	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
ATSG39533	ATSG39533	0	0	0	0	0	0.996841	0	0	0	0	0	0	0.15625	NA	0	NA	0	NA
ATSG39535	ATSG39535	2.377808	1.784246	0	0.412416	0.662467	0	0	0	0	1.919071	5.321336	1.035907	-0.53487	0.424547	-0.7313	0.256518	0.479475	NA
ATSG39540	ATSG39540	0	0	0	0	0	0	0.889303	0	0	0	0	0	0.160764	NA	0.160764	NA	0	NA
ATSG39550	ORTH1	78.46766	66.0171	63.09506	45.77813	56.97219	41.86731	29.34701	35.60337	37.09735	61.41028	79.82004	66.29802	-0.49849	0.056217	-0.98255	0.000248	-0.01365	0.985847
ATSG39560	ATSG39560	0	0	0	0	0	0	0.889303	0	0	0	0	0	0.2071813	NA	0.133076	NA	0.29577	NA
ATSG39570	ATSG39570	3031.705	2933.3	2678.321	2601.93	2249.739	2431.295	1871.095	2336.876	2754.966	2367.174	2232.3	2237.558	-0.24316	0.126624	-0.30759	0.055047	-0.3331	0.125309
ATSG39580	PER62	0	1.784246	0	3.299325	3.974804	3.987363	4.446517	5.39445	2.928738	0	0	1.035907	1.171802	0.069882	1.265452	0.056116	-0.13759	NA
ATSG39581	ATSG39581	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG39590	ATSG39590	765.6541	840.3799	825.3864	759.2571	721.4269	878.2167	888.4142	910.5831	813.2129	712.935	601.311	641.2261	-0.04488	0.787521	0.103629	0.517593	-0.30723	0.100977
ATSG39600	ATSG39600	135.535	153.4452	164.8198	218.9927	244.4504	185.4124	200.9826	149.9657	267.4914	169.8378	220.8354	169.8887	0.502953	0.031851	0.433826	0.083013	0.290081	0.475669
ATSG39610	ATNA2C	58.25629	82.07532	61.80741	139.3965	158.9921	136.5672	189.4216	128.3879	96.64835	55.65307	66.5167	46.61579	1.068486	4.13E-05	1.002899	0.000187	-0.23954	0.666695
ATSG39620	RABG1	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
ATSG39630	ATSG39630	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
ATSG39635	MIR169C	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG39640	ATSG39640	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG39645	ATSG39645	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG39650	ATSG39650	2.377808	1.784246	0	0	0	0	0	1.952492	0	0	0	0	-0.65999	NA	-0.26113	NA	-0.60297	NA
ATSG39660	CDF2	122.4571	114.1917	100.437	69.69823	71.54647	82.73778	68.47637	70.12785	61.5035	91.15588	87.80204	94.26749	-0.58808	0.003425	-0.73117	0.000526	-0.29276	0.40268
ATSG39670	CM145	92.73451	133.8185	104.3	767.5054	921.492	783.5169	1115.187	936.4765	1394.079	64.28889	67.84703	111.8779	2.811582	3.84E-41	3.277191	7.32E-56	-0.40274	0.313757
ATSG39680	EMB2744	19.02246	654.8183	15.45185	14.43455	23.84882	17.94313	23.12189	23.73558	9.76246	12.47396	11.97301	11.39497	0.28162	0.585437	0.297224	0.15313	-0.26424	0.784082
ATSG39690	ANAC093	0	1.784246	0	0	0.662467	0	0.889303	0	0	0	1.330334	0	-0.15521	NA	-0.09489	NA	-0.04759	NA
ATSG39693	MIR869A	0	0	0	0	0	0	0	0	0	1.330334	0	0	0	NA	0	NA	0.172362	NA
ATSG39700	MYB89	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG39710	EMB2745	126.0238	101.702	117.1765	97.33008	71.54647	102.6746	88.04104	71.20674	63.45599	93.07496	90.46271	101.5188	-0.34512	0.142243	-0.61331	0.009312	-0.27185	0.498675
ATSG39720	AG12L	0	1.784246	0	24.33252	25.17376	13.95577	11.56095	6.47334	23.4299	0	0	0	2.947819	9.86E-08	2.377872	3.52E-05	-0.34933	NA
ATSG39730	ATSG39730	539.7624	654.8183	732.6753	838.0284	968.5272	765.5737	795.0373	676.644	1043.607	929.79	892.6541	907.4541	0.408749	0.030541	0.376669	0.057191	0.492073	0.048196
ATSG39740	RPL5B	2768.957	2901.184	3154.753	3484.499	3162.619	2808.1	2223.259	2296.957	2975.598	3134.803	3400.334	3204.599	0.098949	0.569151	-0.23229	0.15313	0.140068	0.605576
ATSG39750	EMB3008	0	0	0	0	0	0	2.15778	0	0	0.959536	0	0	0	NA	0.297647	NA	0.144512	NA
ATSG39760	ZHD10	93.92341	85.64381	68.24568	92.38109	78.17114	70.7757	72.03358	75.5223	84.9334	58.53167	73.16837	59.04667	-0.01939	0.951359	-0.08884	0.780989	-0.37229	0.345021
ATSG39770	ATSG39770	0	1.784246	0	0	0	0	0	1.952492	0	0	0	0	-0.26122	NA	0.069655	NA	-0.23381	NA
ATSG39785	ATSG39785	73.71204	51.74313	45.0679	105.9908	94.73282	128.5925	136.0634	138.0979	149.3656	45.09817	49.22236	50.75942	0.889586	0.00011	1.252225	2.92E-08	-0.23924	0.626086
ATSG39790	ATSG39790	161.6909	155.2294	175.121	160.0172	184.1659	145.5388	226.7724	162.9124	190.368	254.2769	247.4421	221.684	-0.00622	0.980565	0.232814	0.276735	0.540655	0.023592
ATSG39800	ATSG39800	63.01191	41.03766	72.10864	102.6915	103.3449	80.7441	80.03731	67.97007	93.71962	94.99403	81.15037	85.98024	0.660883	0.006775	0.412862	0.137481	0.527118	0.15726
ATSG39810	AGL98	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG39820	ANAC094	0	0	0	3.299325	3.974804	0	1.778607	1.07889	0.976246	0	1.330334	1.035907	1.059017	0.083042	0.564517	0.407641	0.329466	0.000000
ATSG39830	DEGP8	613.4744	701.2087	748.1272	566.2466	553.8226	538.294	694.546	705.594	611.13	844.3914	862.0564	832.8688	-0.30881	0.012714	-0.03474	0.893911	0.292667	0.0824
ATSG39840	ATSG39840	90.3567	87.42806	59.2321	55.6761	67.57166	53.8294	54.24751	81.99564	50.76479	69.08657	69.17737	73.54936	-0.39541	0.15254	-0.32893	0.27994	-0.14926	0.789571
ATSG39850	RP59C	126.0238	119.5445	182.8469	189.7112	210.6646	170.4598	140.51	128.3879	190.368	151.6066	127.7121	139.8474	0.398282	0.081347	0.091182	0.760567	0.554044	0.925676
ATSG39860	PRE1	140.2907	201.6198	220.1889	61.86234	67.57166	35.86627	44.46517	35.60337	36.1211	244.6816	339.2352	251.7253	-1.65736	7.19E-12	-2.1438	3.47E-17	0.034078	0.122184
ATSG39861	ATSG39861	0	0	0	0	0	0	0	0	0	0.959536	0	0	0	NA	0	NA	0.17512	NA
ATSG39862	ATSG39862	0	0	0	1.324935	0	0	0	0	0	0	1.035907	0	0.196444	NA	0	NA	0.145119	NA
ATSG39863	ATSG39863	0	0	0	0	0	0	1.07889	0	0	0	0	0	0	NA	0.16673	NA	0	NA
ATSG39865	ATSG39865	22.58917	17.84246	12.87654	8.248311	9.274542	3.987363	10.67164	9.710009	8.786214	17.27164	22.61568	13.46678	-1.06786	0.017673	-0.74096	0.137984	-0.01047	NA
ATSG39870	ATSG39870	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG39880	ATSG39880	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0.172362	NA
ATSG39890	PCO2	8.322328	5.352738	7.725926	4.536571	2.649869	2.990522	0.889303	4.31556	2.928738	5.757214	9.312338	5.179533	-0.75067	0.22552	-0.97641	0.130245	-0.0864	NA
ATSG39895	ATSG39895	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG39900	ATSG39900	90.3567	62.44861	69.53333	57.32576	56.97219	63.79781	63.14055	59.33895	60.52725	67.16749	58.53469	66.29802	-0.33362	0.18019	-0.28525	0.301822	-0.21408	0.637513
ATSG39910	ATSG39910	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG39920	ATSG39920	0	0	0	0	0	0	0	0	0.976246	0	0	0	0	NA	0.16673	NA	0	NA
ATSG39930	CLP55	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
ATSG39940	ATSG39940	107.0014	124.8972	140.3543	169.9152	166.9418	160.4914	136.9527	126.2301	130.817	113.2252	73.16837	142.9551	0.40968	0.074133	0.082012	0.789536	-0.15582	0.739252
ATSG39950	TRX2	394.7161	476.3937	439.0901	1021.141	1138.781	852.2989	670.5348	614.9673	1127.564	489.3632	501.5359	399.8599	1.1634	5.71E-08	0.852815	0.00013	0.083779	0.874874
ATSG39955	ATSG39955	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG39960	ATSG39960	99.86793	82.07532	93.99877	72.17273	74.8588	83.73463	66.69776	88.46897	54.66978	71.00564	85.14137	82.87252	-0.26664	0.290808</				

ATSG42100	ATBG_PPAP	507.662	315.8115	314.1877	200.0216	170.2541	208.3397	125.3918	181.2535	174.748	312.8086	395.1092	304.5565	-0.9485	1.31E-05	-1.20471	3.44E-08	-0.16953	0.704747
ATSG42110	ATSG42110	42.80054	51.74313	57.94445	50.72712	51.67245	43.86099	28.45771	18.34113	47.83605	54.69353	57.20436	65.26211	-0.04389	0.913943	-0.63008	0.063049	0.208977	0.735214
ATSG42120	LECRKSG	0	0	0	0.824831	0	0	0.996841	0	0	1.952492	0	1.330334	0.276727	NA	0.301563	NA	0.4983	NA
ATSG42130	MFL1	304.3594	265.8527	249.8049	194.6602	211.9895	207.3429	226.7724	249.2236	255.7765	248.5197	254.0938	257.9407	-0.41847	0.004303	-0.16637	0.341408	-0.11049	0.711691
ATSG42140	ATSG42140	197.3581	173.0719	173.8333	166.2035	132.4935	177.4377	160.0746	213.6202	106.4108	120.9015	134.3637	162.6373	-0.18938	0.505854	-0.17845	0.557954	-0.36776	0.367652
ATSG42146	ATSG42146	21.40027	19.62671	30.9037	16.90904	14.57428	7.974726	16.00746	8.63112	8.786214	24.94793	43.90102	16.5745	-0.71511	0.116538	-0.93167	0.050781	0.19514	0.838751
ATSG42150	ATSG42150	111.757	135.6027	119.7519	189.7112	188.1407	165.4756	177.8607	166.1491	209.8929	106.5085	105.0964	136.7397	0.567351	0.002596	0.589096	0.002452	-0.06195	0.896002
ATSG42170	ATSG42170	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG42180	PER64	0	1.784246	2.575309	0	1.324935	0	0.889303	1.07889	0	0.959536	1.330334	0	-0.44796	0.487059	-0.30812	0.658057	-0.26356	NA
ATSG42190	SKP1B	741.8761	852.8696	827.9616	876.4808	786.3487	714.7348	775.4276	725.014	978.1985	917.3161	997.7505	847.3715	-0.0534	0.781108	0.034341	0.871047	0.187168	0.475332
ATSG42200	ATL23	28.53369	21.41095	21.89012	28.45667	29.81103	34.88943	37.35075	48.55005	73.21845	24.94793	21.28534	32.1131	0.309717	0.442629	0.034341	0.871047	0.105222	0.903758
ATSG42203	ATSG42203	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG42210	ATSG42210	22.58917	16.05821	16.73951	9.073143	6.624673	14.95261	8.003731	11.86779	8.786214	19.19071	7.982004	22.78994	-0.78111	0.097942	-0.81548	0.107942	-0.10916	NA
ATSG42220	ATSG42220	519.551	415.7293	454.542	355.9146	275.5864	315.0017	331.7102	391.637	260.6577	415.4789	401.7609	427.8294	-0.54331	0.002079	-0.49241	0.00746	-0.15803	0.642243
ATSG42223	ATSG42223	0	0	0	0	1.987402	0	0	0	0	0	0	0	0.260054	NA	0	NA	0	NA
ATSG42230	SCPL41	4.755616	7.136984	2.575309	1.649662	0	0.996841	2.66791	0	1.952492	4.797678	0	1.035907	-1.11374	0.090971	-0.79487	0.268348	-0.62859	NA
ATSG42232	ATSG42232	0	0	0	0	0	0	2.66791	0	0	0	0	0	0	0	0.335767	NA	0	NA
ATSG42235	ATSG42235	3.566712	0	0	0.824831	0.662467	0	0.889303	2.15778	2.928738	0	1.330334	0	-0.36511	0.599095	0.271515	0.722283	-0.40148	NA
ATSG42240	SCPL42	323.3819	394.3184	330.9272	441.6971	401.4552	393.7521	376.1754	379.7693	349.4961	343.5138	388.4575	373.9623	0.24706	0.086813	0.08263	0.647018	0.08099	0.786163
ATSG42242	LCR57	0	0	0	0	0	0	0	0	0.959536	0	0	0	0	0	0	NA	0	NA
ATSG42250	ATSG42250	432.761	524.5683	494.4593	453.2447	493.5381	451.5689	282.7985	294.537	244.0615	427.9529	477.5899	387.429	-0.04878	0.791744	-0.80629	1.22E-08	-0.16359	0.536921
ATSG42260	BGLU12	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
ATSG42265	ATSG42265	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
ATSG42270	FTSH5	4207.531	3518.533	3092.946	1592.337	1672.067	1660.737	2273.949	2510.577	2694.439	3775.773	4472.583	3485.825	-1.11925	8.94E-16	-0.5253	0.000417	0.114798	0.698043
ATSG42280	ATSG42280	48.74506	35.68492	41.20494	14.02213	9.937009	17.94313	9.782338	10.7889	10.73871	39.34096	42.57069	42.47211	-1.5031	2.92E-06	-1.8184	2.44E-07	-0.02339	0.979828
ATSG42290	ATSG42290	0	0	0	0.824831	1.987402	0	0.889303	0	0.928738	0.959536	1.330334	0	0.464814	NA	0.581706	NA	0.340568	NA
ATSG42300	UBL5	796.5656	979.5511	1062.315	221.785	2045.699	1682.667	1269.036	1477	1915.395	943.2235	755.6297	939.5672	1.041785	7.99E-09	0.698986	0.000219	-0.10109	0.808008
ATSG42310	ATSG42310	584.9407	519.2156	457.1173	292.4026	337.1958	317.9922	485.5597	491.9738	459.8119	362.7045	381.8058	405.0395	-0.71552	6.53E-08	-0.11889	0.484385	-0.4374	0.015025
ATSG42320	ATSG42320	184.2801	146.3082	168.6827	235.9017	249.0877	248.2134	248.1157	235.198	205.0117	197.6643	159.6401	170.9246	0.532441	0.001183	0.445107	0.01101	0.074971	0.850918
ATSG42323	ATSG42323	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
ATSG42325	ATSG42325	1.188904	0	0	0.412416	0.662467	1.993682	0	1.07889	0	0	0	0	0.299637	NA	-0.05523	0.01101	-0.25681	NA
ATSG42330	ATSG42330	16.64466	8.92123	20.60247	21.03319	19.87402	16.94629	22.23259	16.18335	31.23987	18.23118	18.62468	26.93357	0.258543	0.588468	0.49017	0.294614	0.374067	0.627115
ATSG42340	PUB15	2.377808	0	0	1.287654	0	0	0.889303	0	0	0	0	0	-0.65934	NA	-0.42663	NA	-0.60792	NA
ATSG42350	ATSG42350	104.6235	101.702	137.779	104.7536	111.957	110.6493	105.8271	119.7568	109.3396	106.5085	87.80204	99.44703	-0.07996	0.747266	-0.04668	0.868628	-0.22172	0.551888
ATSG42360	ATSG42360	115.3237	115.976	126.1901	122.075	118.5816	132.5798	103.1592	131.6246	112.2683	110.3466	98.44471	136.7397	0.054762	0.830718	-0.04721	0.867868	-0.04279	0.934072
ATSG42370	ATSG42370	28.53369	46.3904	42.49259	29.28151	21.86142	43.86099	46.24378	23.73558	29.28738	36.46235	25.27635	42.47217	-0.2886	0.488945	-0.19579	0.6763	-0.13028	0.878205
ATSG42380	CML37	7.133424	3.568492	2.575309	42.06639	38.4231	46.85152	52.46891	56.10228	91.76712	0.959536	1.330334	4.143626	2.638243	4.7E-10	3.254707	6.5E-15	-0.60999	0.53053
ATSG42390	ATSG42390	2349.274	1807.441	1793.702	1012.893	858.5576	1260.007	1619.422	1916.109	1154.899	1992.955	2042.063	1922.643	-0.90253	4.48E-06	-0.33466	0.140624	0.001095	0.998144
ATSG42400	ATXR7	309.115	315.8115	253.6679	178.5759	129.1811	254.1944	275.6841	148.3894	274.4272	243.4511	257.9407	0	-0.62012	0.022572	-0.3064	0.329667	-0.16879	0.716421
ATSG42405	ATSG42405	0	0	0	0	0	0	1.07889	0	0	0	0	0	0	0	0.16673	NA	0	NA
ATSG42410	ATSG42410	1.188904	0	0	0	0	0	0.889303	0	0	0	0	0	-0.20902	NA	-0.03919	NA	-0.19148	NA
ATSG42420	ATSG42420	316.2484	346.1437	348.9543	378.1851	459.0898	426.6479	552.2575	485.5005	408.0708	333.9184	343.2262	369.8186	0.31534	0.053874	0.509885	0.001335	0.050698	0.894168
ATSG42430	ATSG42430	0	0	0	1.324935	0	0.889303	0	0	0	0	0	0	0.194769	NA	0.126571	NA	0.05677	NA
ATSG42440	ATSG42440	39.23383	46.3904	50.21852	147.6448	110.632	128.5925	80.03731	113.2834	99.57709	32.62421	21.28534	22.78994	1.459476	2.34E-09	1.05777	0.000047	-0.74047	0.079514
ATSG42445	ATSG42445	0	3.568492	2.575309	2.062078	1.987402	1.993682	3.557214	1.07889	2.928738	0.959536	0	1.035907	0.057308	0.947998	0.233397	0.78301	-0.50162	NA
ATSG42450	PCMP-E102	5.94452	14.27397	15.45185	19.38353	13.24935	18.93997	21.34328	16.18335	15.52492	15.32527	13.30334	16.64632	0.481942	0.306921	0.612904	0.209555	0.375509	NA
ATSG42460	ATSG42460	53.50068	69.5856	63.09506	118.7757	132.4935	104.6683	59.58333	49.62894	64.43224	47.97678	50.55269	48.68761	0.928362	2.47E-05	-0.08061	0.811671	-0.31352	0.481833
ATSG42470	ATSG42470	186.6579	169.5034	180.2716	185.587	210.0021	230.2702	171.6352	144.4844	202.462	192.8984	166.781	0	0.205166	0.279985	-0.13584	0.536429	0.062011	0.879935
ATSG42480	ARC6	423.2498	403.2396	368.2691	201.6712	207.3523	227.2797	285.4664	257.8547	256.7527	318.5658	304.6465	357.3878	-0.90409	8.6E-12	-0.56953	0.000046	-0.27914	0.199712
ATSG42490	ATSG42490	2.377808	1.784246	0	0	0.662467	0.996841	2.66791	4.31556	1.952492	0	1.330334	0	-0.49631	0.478243	0.574855	0.428896	-0.46658	NA
ATSG42500	DIR2	1.188904	0	0	2.062078	0	1.324935	0	1.778607	0	0	1.330334	1.035907	0.356014	NA	0.069611	NA	0.134154	NA
ATSG42504	ATSG42504	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG42505	ATSG42505	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG42510	DIR1	0	0	0	0.662467	0.996841	0	0	0.976246	0	0	0	0	0.275104	NA	0.163472	NA	0	NA
ATSG42520	BPC6	452.9724	563.8217	543.3901	581.506	530.6363	612.0602	589.6082	636.5451	501.7904	541.1781	556.0796	477.5529	0.144522	0.396766	0.148218	0.411063	0.015799	0.970574
ATSG42530	ATSG42530	3772.392	3208.074	3727.759	9645.575	9418.96	5378.953	5032.568	3720.013	11036.46	2477.521	4323.585	4287.617	1.					

ATSG43700	IAA4	632.4969	715.4827	731.3877	549.3375	798.2731	681.8391	759.4652	603.0995	933.2912	544.0567	526.8123	796.6121	-0.03465	0.906484	0.139552	0.614159	-0.1487	0.739037
ATSG43710	MNS4	170.0133	124.8972	151.9432	157.5427	131.1685	182.4219	164.5211	188.8057	107.3871	122.8206	105.0964	168.8528	0.062455	0.849999	0.034141	0.925601	-0.16627	0.754396
ATSG43720	ATSG43720	236.5919	223.0308	191.8605	214.0437	230.5386	216.3144	192.0896	186.648	181.5818	223.5718	195.5591	218.5763	0.020556	0.921979	-0.21316	0.237222	-0.02564	0.951328
ATSG43725	ATSG43725	11.88904	24.97944	21.89012	16.08421	17.88662	17.94313	20.45398	18.34113	18.54867	31.66468	18.62468	30.04129	-0.14277	0.770222	0.000889	0.99884	0.458675	0.499192
ATSG43730	ATSG43730	89.1678	108.839	87.5605	68.46099	51.67245	69.77885	104.80485	92.78453	48.8123	59.79171	93.12338	98.41112	-0.55405	0.046388	-0.19731	0.558273	0.037298	0.959593
ATSG43740	ATSG43740	347.16	349.7122	325.7165	206.6202	227.2263	278.1186	290.8022	264.328	270.4201	265.7914	343.2262	308.7001	-0.52435	0.001155	-0.30148	0.093733	-0.15691	0.611698
ATSG43745	ATSG43745	344.7821	308.6746	318.0506	179.4008	168.2667	225.286	285.664	278.3536	176.7005	353.1091	344.5565	394.6804	-0.75127	0.000113	-0.383	0.077867	0.164231	0.670936
ATSG43750	PNS85	776.3543	918.8867	9783.0296	413.2404	429.9413	441.6005	629.6269	704.5151	880.5739	1139.928	1023.027	1086.666	-0.98449	1.001123	-0.20907	0.216194	0.337597	0.111518
ATSG43755	ATSG43755	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0	NA	0	NA
ATSG43760	KCS19	741.8761	719.0512	592.321	604.1888	664.4547	759.5927	612.7301	715.304	698.0159	642.8889	659.8456	587.359	-0.02054	0.918648	-0.0189	0.929105	-0.11762	0.686445
ATSG43770	ATSG43770	0	0	0	0	0	0	1.778607	0	0	0	0	0	0	NA	0	NA	0	NA
ATSG43780	AP54	312.6817	331.8698	281.9963	522.1181	520.0368	554.2435	486.449	570.7328	583.7951	261.9532	231.4781	228.9353	0.777502	0.409E-09	0.816977	9.35E-10	-0.34725	0.102486
ATSG43790	PCMP-E30	52.31177	76.72258	55.36914	62.27475	49.68505	53.8294	65.80846	81.99564	59.55101	73.88424	67.84703	53.86714	-0.11661	0.719819	0.179112	0.585715	0.102179	0.866988
ATSG43800	ATSG43800	1.188904	0	0	0	0	0	3.57214	0	0.976246	0.959536	1.330334	1.035907	-0.38056	NA	0.516777	NA	0.308918	NA
ATSG43810	AGO10	483.8839	454.9827	417.2	373.6485	297.4478	411.6952	428.6443	455.2916	307.5175	419.3171	392.4485	418.5062	-0.32034	0.095508	-0.30735	0.403312	-0.1367	0.709599
ATSG43820	ATSG43820	22.58917	10.70548	21.89012	20.62078	17.22415	27.91154	26.6791	24.81447	16.59618	33.58375	31.92802	34.18492	0.153909	0.743145	0.228345	0.638712	0.734537	0.192105
ATSG43822	ATSG43822	34.47821	32.11643	48.93086	68.8734	60.28452	56.81992	37.35075	44.23449	38.07359	23.02886	45.23135	40.40035	0.650513	0.030822	0.031827	0.94306	-0.11401	0.87702
ATSG43830	ATSG43830	1558.6535	1807.441	1735.758	1684.305	1542.224	1580.989	1219.235	1444.634	1634.236	1794.332	1819.897	1542.465	-0.08321	0.6251	-0.24361	0.115812	0.015859	0.967164
ATSG43840	HSFA6A	0	3.568492	0	0	0.662467	0.996841	3.57214	1.07889	1.952492	0	2.660668	3.10772	-0.32609	0.654894	0.433219	0.558496	0.307835	NA
ATSG43850	ARD4	435.1388	512.0786	473.8568	567.4838	457.7649	434.6226	359.2786	359.2703	420.762	599.7098	514.8392	601.8671	0.047045	0.817734	-0.31041	0.070619	0.273288	0.273288
ATSG43860	CLH2	45.17835	55.31163	68.62963	84.54519	84.79581	55.82308	74.70149	65.81229	89.81463	36.46235	38.57969	34.18492	0.696997	0.010802	0.709085	0.013002	-0.31602	0.559895
ATSG43870	ATSG43870	189.0357	248.0102	229.2025	223.5292	185.4908	212.3271	183.4113	185.4867	233.1627	288.6825	236.1867		-0.08873	0.67783	-0.30776	0.11511	0.185619	0.516641
ATSG43880	ATSG43880	323.3819	385.3971	275.558	164.1414	153.0299	186.4092	199.204	207.1469	152.2944	272.5081	262.0758	347.0287	-0.94257	3.64E-07	-0.79163	3.74E-05	-0.14754	0.700472
ATSG43890	YUC5	0	0	1.287564	2.062078	0	1.993682	0.889303	4.31556	0.976246	0	2.660668	0	0.356468	0.607178	0.574442	0.39832	0.128729	NA
ATSG43900	XI-2	1098.547	992.0408	844.7012	754.3081	761.8374	981.8882	835.056	898.7153	628.7024	841.5127	851.4137	858.7665	-0.23086	0.227745	-0.30736	0.110492	-0.19816	0.53053
ATSG43910	ATSG43910	35.66712	39.25341	46.35556	207.0326	153.0299	158.4977	183.1965	168.3068	148.3894	41.26003	46.56169	31.0772	2.016315	3.5E-18	1.954712	9.44E-17	-0.04414	0.953343
ATSG43920	ATSG43920	326.9486	283.6951	301.3111	222.292	219.9391	268.1502	302.3632	299.9314	239.1803	275.3867	242.1208	293.1615	-0.36554	0.029945	-0.17325	0.570939	-0.16704	0.950128
ATSG43930	ATSG43930	206.8693	205.1883	222.7642	203.3209	206.6898	207.3429	228.551	233.0402	154.2469	137.2136	196.8894	171.9605	-0.04062	0.876748	-0.04394	0.875924	-0.32641	0.31558
ATSG43935	FLS6	0	3.568492	0	0.412416	1.324935	0.996841	1.778607	0	0.995936	0	1.035907	0	-0.04918	0.949512	-0.1781	0.810481	-0.13768	NA
ATSG43940	ADH2	2669.089	2622.842	2589.473	3121.986	3004.289	2893.829	2628.781	2795.404	3099.581	2768.26	2788.38	2353.58	0.193522	0.106575	0.111924	0.411235	0.004836	0.988816
ATSG43950	ATSG43950	108.1903	92.78079	104.3	45.77813	47.69764	49.84204	53.57214	39.91893	41.97858	114.2847	122.3907	89.0796	-1.06923	6.38E-07	-1.3326	6.32E-09	0.080606	0.874312
ATSG43960	ATSG43960	527.8734	415.7293	448.1037	416.5397	410.7297	453.5626	415.3074	494.1316	412.9521	420.2766	437.6799	430.9371	-0.12625	0.439241	-0.07968	0.665575	-0.11523	0.682185
ATSG43970	TOM5-2	222.325	262.2842	288.4346	345.6043	308.0473	256.1881	265.9017	197.4369	373.9022	293.6179	227.4871	266.228	0.232443	0.374247	0.113446	0.710528	0.029162	0.963009
ATSG43980	CRSP56	15.45575	10.70548	19.31482	24.33252	13.91181	15.94945	16.89677	15.04463	33.19236	22.06932	15.96401	22.78994	0.217458	0.677848	0.426985	0.405186	0.346941	0.683412
ATSG43990	SUVR2	148.613	146.3082	130.0531	86.60727	76.8462	88.71883	71.14428	77.68008	46.85981	130.4968	137.0244	126.3806	-0.73257	0.00024	-1.08483	1.62E-07	-0.10641	0.81058
ATSG44000	ATSG44000	265.1256	233.7362	266.5444	220.2299	235.1759	238.2449	298.806	241.6713	270.4201	267.7014	274.0488	276.587	-0.1501	0.367853	0.079334	0.681539	0.088983	0.778754
ATSG44005	ATSG44005	27.34479	26.76369	18.02716	33.40566	37.09817	30.90206	51.5796	33.44559	102.5058	16.31211	31.92802	39.36445	0.428165	0.353559	1.225828	0.002811	0.23358	0.979386
ATSG44010	ATSG44010	35.66712	62.44861	52.79383	50.3147	58.29712	59.81045	76.4801	55.02339	78.09968	81.56053	58.53469	78.7289	0.160437	0.627074	0.477885	0.113032	0.542058	0.194948
ATSG44020	ATSG44020	2000.925	2271.345	2207.04	1633.991	1688.629	2007.637	1629.204	1992.71	2646.603	2501.509	3021.188	2528.648	-0.27609	0.157886	-0.04649	0.855229	0.306666	0.288581
ATSG44030	CESA4	217.5694	117.7602	146.7926	56.08852	54.98478	70.7757	62.25423	61.49673	55.64602	63.12111	122.3907	118.0933	-1.37354	7.38E-09	-1.37529	2.11E-08	-0.25441	0.575395
ATSG44040	ATSG44040	179.5245	112.4075	149.3679	105.166	125.8688	124.6051	123.7035	119.102	163.1211	192.0378	176.1041		-0.3292	0.11617	-0.2553	0.217169	0.236538	0.501624
ATSG44050	ATSG44050	42.80054	35.68492	37.34198	16.08421	15.23675	14.95261	21.34328	17.26224	17.57243	72.92471	119.7301	64.2262	-1.21493	0.000248	-0.95339	0.007559	1.07247	0.005165
ATSG44060	ATSG44060	105.8125	99.91778	82.40988	64.74925	82.80841	91.70935	64.02985	88.46897	126.912	88.27728	79.82004	54.90305	-0.26509	0.410663	-0.04292	0.91465	-0.34889	0.492524
ATSG44065	ATSG44065	0	1.784246	1.287564	0.412416	0	0.996841	0	1.952492	0	1.035907	0	0	-0.25065	NA	-0.12477	NA	-0.27658	NA
ATSG44070	PCS1	580.1851	679.7977	593.6087	1081.354	1073.859	1199.139	908.8682	940.792	863.9777	468.2534	436.3495	473.4093	0.851295	6.34E-15	0.594909	1.66E-06	-0.41685	0.006135
ATSG44080	ATSG44080	194.9802	176.6404	200.8741	251.5735	235.8383	210.3334	210.3334	200.9891	333.8711	221.6527	175.6041	155.386	0.276268	0.278453	0.335563	0.199538	-0.04973	0.933388
ATSG44090	B"ALPHA	508.8509	520.9998	466.1309	539.4396	495.5255	522.3446	601.1692	585.8372	404.1658	481.6869	502.8662	444.4039	0.058551	0.783201	0.088595	0.68159	-0.06478	0.866496
ATSG44100	abc1	617.0411	692.2875	724.9494	685.8471	659.1549	724.7032	680.3172	693.7262	584.7714	612.1837	498.8752	673.3392	0.024654	0.901921	-0.05286	0.794626	-0.1823	0.48767
ATSG44110	CKI7	82.03437	73.15409	75.97161	101.0418	108.6446	95.69671	72.92289	69.04896	98.54746	81.56053	103.766	78.7289	0.388783	0.083622	-0.20286	0.464057	0.169411	0.703509
ATSG44120	CRA1	1.188904	0	1.287564	0	0	0	1.778607	3.23667	0	0	0	0	-0.54393	NA	0.35441	NA	-0.45845	NA
ATSG44130	FLA13	357.8601																	

ATSG44540	ATSG44540	4.755616	23.1952	12.87654	2.062078	1.324935	0	0.889303	0	0.976246	20.15025	11.97301	7.251346	-2.16153	0.000159	-2.32648	7.75E-05	0.033688	NA
ATSG44550	ATSG44550	9.511232	16.05821	7.725926	14.43455	14.57428	8.971567	5.335821	5.39445	11.71495	11.51443	7.982004	8.287252	0.235655	0.688066	-0.41882	0.494026	-0.16282	NA
ATSG44555	ATSG44555	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG44560	VPS2.2	39.23383	32.11643	29.61605	57.73818	43.72284	57.81677	31.12562	46.39227	46.85981	57.57214	26.60668	49.72351	0.604321	0.070636	0.262632	0.518775	0.388603	0.509742
ATSG44562	ATSG44562	2.377808	3.568492	0	1.649662	1.987402	0	0	0	1.952492	0	1.330334	2.071813	-0.18672	0.808384	-0.46747	0.512449	-0.26346	NA
ATSG44565	ATSG44565	10.07794	7.136984	10.30123	45.77813	47.69764	40.87047	49.80099	24.81447	50.76479	14.39303	14.63367	13.46678	1.851467	7.53E-07	1.851467	5.1E-06	0.332989	0.69497
ATSG44568	ATSG44568	87.97889	62.44861	77.25926	53.02722	62.93439	52.53351	145.8458	75.5223	150.3419	37.42189	43.90102	45.57989	2.777784	1.67E-34	0.664669	0.012827	-0.80504	0.027607
ATSG44569	ATSG44569	16.64466	14.27397	7.725926	17.73387	22.52389	11.96209	11.33955	10.7889	15.61994	10.55489	9.312338	6.215439	0.409342	0.416785	0.041457	0.949656	-0.46069	NA
ATSG44570	ATSG44570	0	3.568492	3.862963	20.20836	13.24935	9.968408	8.893035	4.31556	6.833722	1.919071	5.321336	2.071813	1.859108	0.000858	0.908567	0.164277	0.126386	NA
ATSG44572	ATSG44572	27.34479	26.76369	24.46543	355.9146	310.047	256.1881	178.75	158.5968	292.8738	23.02886	30.59768	30.04129	3.33687	6.09E-34	2.801562	9.55E-24	0.054996	0.951161
ATSG44574	ATSG44574	1.188904	0	1.287654	6.186234	5.962205	0.996841	2.66791	1.07889	0.976246	0.995936	0	2.071813	1.131729	0.0822	0.248389	0.764899	0.03751	NA
ATSG44575	ATSG44575	2.377808	1.784246	3.862963	68.46099	74.19633	41.86731	16.00746	7.55223	21.47741	4.797678	5.321336	2.071813	3.54099	1.58E-14	1.666842	0.001322	0.219099	0.864774
ATSG44578	ATSG44578	4.755616	1.784246	3.862963	18.14629	11.92441	6.977885	20.45398	12.94668	17.57243	6.76285	11.97301	16.5745	1.277649	0.015381	1.620225	0.002085	1.185317	NA
ATSG44580	ATSG44580	197.3581	262.2842	231.7778	1019.491	818.1471	553.2466	458.8806	350.6392	649.2036	194.7857	215.5141	304.5565	1.708477	1.6E-11	1.025952	0.000128	0.048299	0.947063
ATSG44582	ATSG44582	16.64466	14.27397	14.1642	55.6761	43.72284	44.85784	32.90423	12.94668	35.14486	19.19071	15.96401	11.39497	1.51068	5.66E-05	0.738678	0.092319	0.024855	0.983949
ATSG44585	ATSG44585	2.377808	3.568492	0	32.16841	25.17376	27.91154	19.56468	19.42002	26.35864	0.995936	0	3.10772	2.872476	3.66E-09	2.48965	7.53E-07	-0.22973	NA
ATSG44590	ATSG44590	0	0	0	0.412416	0	0	0.889303	1.07889	0	0	0	0	0.073776	NA	0.340813	NA	0	NA
ATSG44600	ATSG44600	131.9683	144.5239	124.9025	119.1881	119.2441	121.6146	130.7276	116.5201	144.4844	160.2424	131.7031	158.4937	-0.14906	0.480582	-0.02615	0.920994	0.175826	0.609679
ATSG44610	PCAP2	1.188904	0	0	5.361402	7.949607	11.96209	7.14428	3.23667	7.809968	0	1.330334	1.035907	1.923044	0.001382	1.56398	0.013908	0.04301	NA
ATSG44620	CYP706A3	72.52314	55.31163	61.80741	28.45667	28.48609	14.95261	21.34328	16.18335	13.66744	84.43914	46.56169	78.7289	-1.26915	4.32E-05	-1.72506	1.68E-07	0.145556	0.836113
ATSG44630	BS	9.511232	8.92123	5.150617	3.299325	7.28714	0.996841	4.446571	7.55223	0	19.19071	11.97301	13.46678	-0.68996	0.270617	-0.67041	0.318945	0.743987	NA
ATSG44635	MCM6	156.9353	132.0342	148.0802	107.228	124.5438	134.5735	118.2774	94.94231	72.2422	202.462	176.9344	212.3608	-0.26418	0.24575	-0.59778	0.006623	0.423534	0.170442
ATSG44640	BGLU13	0	0	0	0	0	0.996841	0.889303	0	0	0	0	2.071813	0.118728	NA	0.131053	NA	0.300445	NA
ATSG44650	CEST	1091.414	1136.565	1268.34	1140.741	1005.625	1045.686	1293.407	1293.589	1275.954	1155.281	1108.168	1303.17	-0.12909	0.328538	0.142194	0.299027	0.029068	0.921154
ATSG44660	ATSG44660	300.7927	295.51472	233.0654	227.241	200.7276	239.2418	294.3595	316.1148	201.1067	276.3463	288.6825	291.0897	-0.24041	0.256564	0.036761	0.892622	0.1123	0.78367
ATSG44670	ATSG44670	102.2457	90.99655	96.57408	32.58083	33.12336	27.91154	24.9005	31.28781	18.54867	60.60099	69.17737	87.01615	-1.55548	1.55E-11	-1.86952	1.31E-13	-0.27863	0.509225
ATSG44680	ATSG44680	1001.057	1241.835	1129.273	504.7967	538.5859	582.155	577.158	581.5217	534.9828	1169.674	1112.159	1183.005	-1.04359	4.72E-20	-0.9806	2.13E-17	0.042503	0.983949
ATSG44690	ATSG44690	1.188904	0	0	0.662467	0	0	0.889303	1.07889	0	0	0	0	-0.07436	NA	-0.18968	NA	-0.18606	NA
ATSG44700	GSO2	3.566712	3.568492	1.287654	2.474493	0.662467	1.993682	3.557214	1.07889	0.976246	5.757214	3.991002	4.143626	-0.37522	0.618403	-0.28013	0.735894	0.482814	NA
ATSG44705	ATSG44705	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG44710	ATSG44710	60.6341	73.15409	90.1358	107.228	113.9444	85.72831	84.48383	77.68008	130.817	78.68192	103.766	92.19568	0.443033	0.106216	0.371304	0.215251	0.274889	0.574235
ATSG44720	ATSG44720	683.6198	504.6265	620.6494	614.4992	617.4195	640.9686	658.0846	639.7817	839.5716	837.6746	771.5937	741.7091	0.016465	0.936903	0.20544	0.227691	0.341175	0.111803
ATSG44730	ATSG44730	143.8574	148.0924	167.3951	217.343	232.526	214.3208	216.1007	216.8569	266.5152	145.8458	146.3367	166.781	0.521456	0.001839	0.593914	0.000491	-0.00164	0.997083
ATSG44740	POLH	95.11232	80.29107	63.09506	81.24587	64.92179	67.78517	64.91915	71.20674	53.69353	71.96517	97.11438	89.08796	-0.14197	0.628305	-0.32013	0.266655	-0.100284	0.860198
ATSG44750	REV1	523.1177	522.7841	578.1568	504.3842	451.1402	545.2719	574.49	651.6495	386.5934	547.8948	490.8932	598.754	-0.11298	0.624448	-0.011	0.968079	0.012329	0.982852
ATSG44760	ATSG44760	0	0	0	0.662467	0	0.889303	1.07889	0	0.959536	0	0	0	0.095148	NA	0.335415	NA	0.171604	NA
ATSG44770	ATSG44770	0	0	0	0	0	0	0	0	0	0	0	2.660668	1.035907	0	NA	0	0.551716	NA
ATSG44780	MORF4	52.31177	55.31163	54.08148	35.88015	29.14856	40.87047	30.23632	39.91893	36.1211	37.42189	38.57969	31.0772	-0.58791	0.036966	-0.57648	0.059328	-0.56356	0.190899
ATSG44785	OSB3	461.2947	392.5341	466.1309	323.7462	359.7197	388.7679	459.7699	441.266	401.2371	450.9817	413.7339	473.4093	-0.30759	0.033716	-0.02377	0.505739	0.016556	0.96566
ATSG44790	RAN1	861.9554	831.4587	705.6346	606.6633	545.873	686.8233	629.6269	689.4107	527.1728	638.0912	633.239	563.5332	-0.3792	0.015301	-0.37205	0.021982	-0.38059	0.080295
ATSG44800	CHR4	92.52895	635.1915	516.0117	255.2852	219.2767	330.9511	324.5958	448.8182	304.5888	470.1725	469.6379	483.7683	-1.32019	2.21E-09	-0.91208	7.05E-05	-0.52427	0.120477
ATSG44820	ATSG44820	93.92341	121.3287	96.57408	230.1279	300.7601	243.2291	154.7388	98.17898	156.1994	47.97678	57.20436	60.08258	1.282431	2.3E-09	0.392599	0.130768	-0.86517	0.005413
ATSG44830	ATSG44830	0	0	0	0	0	0.889303	1.07889	0	0	0	0	0	0	NA	0.3225	NA	0	NA
ATSG44840	ATSG44840	0	0	0	0	0	0.889303	0	0.889303	0	0	0	0	0	NA	0.160764	NA	0	NA
ATSG44850	ATSG44850	0	0	0	0	0	0.889303	0	0.959536	0	0	0	0	0	NA	0.136694	NA	0.147196	NA
ATSG44860	ATSG44860	187.8468	142.7397	162.2444	138.984	174.8914	147.5324	158.296	155.3602	154.2469	165.9997	180.9254	193.7145	-0.10637	0.623155	-0.08343	0.730998	0.016556	0.750218
ATSG44870	LAZ5	471.9949	488.8834	439.0901	408.7038	401.4552	533.3098	536.25	591.2317	349.4961	350.2305	381.8058	416.4344	-0.06065	0.81872	0.075662	0.784625	-0.27721	0.428694
ATSG44875	ATSG44875	0	0	1.287654	0	0	0.889303	0	0.889303	0	0.976246	1.919071	0	-0.29565	NA	0.097409	NA	0.11353	NA
ATSG44880	ATSG44880	0	0	0	0.662467	0	0.889303	0	0.889303	0	0	0	0	0.097058	NA	0.130384	NA	0	NA
ATSG44890	ATSG44890	1.188904	0	0	0	0	0.889303	1.07889	0	0	0	0	2.071813	-0.28844	NA	0.112492	NA	0.13324	NA
ATSG44894	ATSG44894	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG44900	ATSG44900	2.377808	1.784246	1.287654	0.412416	0.662467	0	0	0	0	0	1.330334	0	-0.67266	NA	-0.91996	NA	-0.6473	NA
ATSG44910	ATSG44910	5.94452	10.70548	9.01358	7.85896	14.95261	7.114428	7.55223	4.88123	5.757214	5.321336	3.10772	0.391033	0.506648	-0.2796	0.682696	-0.60795	NA	NA
ATSG44920	ATSG44920	4.755616	1.784246	5.150617	28.04426	26.49869	24.92102	1.778607	4.31556	5.857476	4.797678	3.991002	10.35907	2.206992	5.95E-06	-0.08232	0.91701		

ATSG45340	CYP707A3	34.47821	24.97944	15.45185	20.62078	21.86142	69.77885	124.5025	141.3346	124.9595	34.54328	22.61568	25.89766	0.446782	0.334854	2.113773	4.04E-08	0.122437	0.903758
ATSG45350	ATSG45350	628.9302	551.332	629.663	532.4285	490.2258	428.6415	401.9652	387.3215	445.2986	573.8203	607.9626	488.9479	-0.30893	0.15493	-0.32743	0.147666	-0.11458	0.790591
ATSG45360	SKIP1A	345.971	353.2807	404.3235	470.1538	459.0898	475.4931	519.3532	456.3704	487.1468	417.398	349.8778	449.5834	0.341891	0.016813	0.401083	0.005764	0.141813	0.595848
ATSG45370	ATSG45370	55.87849	69.5856	73.3963	86.60727	88.77061	94.69987	96.04478	77.68008	62.47974	60.45074	79.82004	53.86714	0.426788	0.098436	0.247407	0.412854	-0.04023	0.953606
ATSG45380	DUR3	187.8468	212.3253	154.5185	493.249	490.2258	509.3856	228.551	262.1703	201.1067	56.6126	46.56169	81.83662	1.406756	6.76E-16	0.317062	0.140709	-1.50484	6.61E-12
ATSG45390	CLPP4	2761.824	2471.181	2692.485	2061.665	2669.743	2007.637	2459.813	2234.381	2944.358	2948.653	3442.904	2880.856	-0.23037	0.180805	-0.052764	0.810399	0.221927	0.408412
ATSG45400	RPA1C	68.95643	41.03766	38.62963	27.21943	30.47349	34.88943	28.45771	28.05114	21.47741	36.46235	37.24935	54.54398	-0.6748	0.033137	-0.88164	0.007433	-0.3237	0.571353
ATSG45410	ATSG45410	612.2855	820.7532	690.1827	1252.919	1113.607	1198.203	982.6807	1191.968	120.6113	576.0346	635.0107	0.740693	0.473E-07	0.567839	0.000205	-1.2809	0.676985	
ATSG45420	ATSG45420	350.7267	392.5341	410.7617	439.635	497.5129	441.6005	369.0609	392.7159	420.762	418.3575	473.5989	396.7522	0.255504	0.080396	0.035971	0.856515	0.155936	0.545845
ATSG45428	CPuORF24	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG45430	ATSG45430	0	0	0	0.412416	0	0	0.889303	0	0.976246	0	0	0	0.074085	NA	0.330313	NA	0	NA
ATSG45440	ATSG45440	16.64466	5.352738	7.725926	14.43455	17.22415	17.94313	11.56095	9.710009	18.54867	5.757214	10.64267	3.10772	0.57254	0.274242	0.305051	0.623849	-0.5443	NA
ATSG45450	ATSG45450	11.88904	5.352738	3.862963	5.773818	10.59948	5.981045	14.22886	10.7889	9.76246	12.47396	5.321336	9.323159	0.013392	0.985447	0.541395	0.379192	0.267491	NA
ATSG45460	ATSG45460	79.65656	94.56504	59.2321	43.30364	56.97219	45.85468	52.46891	35.60337	34.16861	53.734	55.87403	53.86714	-0.63405	0.018531	-0.86428	0.001995	-0.47756	0.267988
ATSG45469	ATSG45469	2.377808	10.70548	2.575309	0.412416	1.324935	1.993682	2.66791	0	1.952492	5.757214	3.991002	2.071813	-1.12459	0.08655	-0.87071	0.220343	-0.1722	NA
ATSG45470	ATSG45470	63.01191	83.85956	68.24568	117.126	137.7932	104.6683	56.02612	57.18117	117.1495	54.69353	54.54369	68.36983	0.71587	0.01411	0.102197	0.801681	-0.24752	0.675332
ATSG45472	ATSG45472	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG45475	ATSG45475	1.188904	3.568492	6.438272	0.412416	0.662467	1.993682	2.66791	3.23667	0.976246	2.878607	1.330334	6.215439	-0.99834	0.134899	-0.37772	0.63736	-0.01638	NA
ATSG45480	ATSG45480	324.5708	249.7944	207.3123	124.9612	134.4809	208.3397	190.3109	208.2258	99.57709	189.0285	210.1928	207.1213	-0.71388	0.010802	-0.6185	0.036241	-0.34971	0.472374
ATSG45490	ATSG45490	792.9989	861.7908	907.7963	772.8668	858.5576	825.3842	603.8371	602.0206	890.3363	774.3453	931.2338	840.1802	-0.05984	0.785149	-0.28385	0.134313	-0.01011	0.983922
ATSG45500	ATSG45500	577.8073	520.9998	517.637	581.506	618.7444	685.8265	439.3159	496.2894	587.7001	355.0282	339.2352	384.3213	0.215512	0.177383	-0.08656	0.654085	-0.57484	0.001457
ATSG45510	ATSG45510	2233.951	1975.16	1722.882	1733.383	1770.113	2180.001	1358.856	1535.26	1366.704	1383.65	1411.484	1534.178	-0.6259	0.731246	-0.4715	0.011032	-0.44838	0.014785
ATSG45520	ATSG45520	47.55616	32.11643	32.19136	10.31039	11.26194	12.95893	22.23259	20.49891	23.4299	41.26003	51.88302	38.32854	-1.59115	1.35E-06	-0.71355	0.046079	0.199257	0.764564
ATSG45530	ATSG45530	33.28931	32.11643	36.05432	7.835896	3.123236	10.96525	13.39955	11.86779	4.88123	24.94793	18.62468	20.71813	-1.96096	7.23E-07	-1.53818	0.000208	-0.58694	0.371122
ATSG45540	ATSG45540	33.28931	21.41095	33.47901	7.835896	5.962205	7.974726	8.003731	7.55223	5.857446	18.23118	23.94601	26.93357	-1.79347	3.63E-06	-1.78307	1.83E-05	-0.34224	0.638432
ATSG45550	MOB1A	291.2815	328.3013	343.8037	464.3799	507.4499	495.4299	380.6219	331.2192	429.5482	262.9128	234.1388	355.3159	0.595374	0.00067	0.24168	0.214247	-0.16768	0.626543
ATSG45560	EDR2L	86.78899	73.15409	79.83457	68.66935	54.32232	67.97885	67.97007	39.04984	91.15588	87.80204	105.6625	0	-0.15821	0.627485	-0.41853	0.179442	0.232778	0.654642
ATSG45570	ATSG45570	0	1.784246	0	0.412416	1.324935	1.993682	2.66791	1.07889	0	0	0	0	0.327359	NA	0.352465	NA	-0.29723	NA
ATSG45573	ATSG45573	0	0	1.287654	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
ATSG45576	ATSG45576	2.377808	0	0	0.412416	0	0	0	0	0	0	0	0	0.065109	NA	0	NA	0.150531	NA
ATSG45580	ATSG45580	0	2.575309	3.71174	3.123236	0.996841	2.66791	2.15778	2.928738	0.995936	1.330334	6.215439	0	0.320628	0.677762	0.244909	0.772342	0.324791	NA
ATSG45590	ATSG45590	27.34479	32.11643	43.78025	50.3147	44.38531	34.88943	21.34328	34.52448	43.93107	28.78607	31.92802	42.47217	0.32206	0.39459	-0.05362	0.912185	-0.00014	0.998413
ATSG45595	ATSG45595	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG45600	TA1F48	180.7134	165.9349	251.0926	302.3006	349.1203	297.0586	281.0199	219.0147	238.204	284.0225	260.7455	245.5098	0.644594	0.000412	0.292004	0.17004	0.386645	0.175751
ATSG45605	ATSG45605	0	0	0	1.649662	1.987402	1.993682	0.889303	0	0.976246	0	1.330334	1.035907	0.934727	0.118552	0.313236	0.654495	0.375477	NA
ATSG45610	SUV2	177.1467	190.9143	231.7778	165.3786	186.1533	146.5356	314.8134	222.2513	146.4369	241.803	235.4691	237.2226	-0.25579	0.356342	0.182441	0.549605	0.24206	0.595576
ATSG45620	RP9NA	441.0834	438.9245	454.542	426.8501	478.9638	518.3572	503.3458	505.9994	445.1682	469.2129	403.0912	426.7935	0.086383	0.956555	0.122095	0.464164	-0.03624	0.915641
ATSG45630	ATSG45630	3.566712	0	0	3.862963	9.897974	4.637271	13.95577	8.003731	4.31556	0.976246	2.660668	4.143626	1.207976	0.044813	0.878968	0.188064	-0.0647	NA
ATSG45640	ATSG45640	0	0	0	0	0.662467	0.996841	0	0	0.976246	0	0	0	0.275104	NA	0.160764	NA	0	NA
ATSG45650	ATSG45650	502.9604	503.1574	473.8568	370.3492	304.0725	288.087	258.7873	235.198	174.748	32.71612	351.2082	371.8904	-0.60193	0.000297	-1.12163	8.09E-12	-0.48398	0.033194
ATSG45660	ATSG45660	51.12287	39.25341	38.62963	47.42779	66.24673	50.83888	54.24751	33.44559	84.9334	52.77446	45.27069	58.01077	0.313756	0.399615	0.38457	0.318055	0.227223	0.739371
ATSG45670	ATSG45670	448.2168	499.5889	515.0617	548.9251	535.2736	559.2277	311.2562	318.2725	309.47	530.6232	530.8033	535.5637	0.168408	0.173002	-0.63149	4.25E-08	0.128001	0.5489
ATSG45680	FKBP13	822.7215	959.9244	1028.836	532.4285	636.631	579.1645	782.5871	736.8818	1486.823	1266.587	860.7261	1357.038	-0.65545	0.011252	0.092905	0.790657	0.297404	0.514465
ATSG45690	ATSG45690	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
ATSG45700	ATSG45700	41.61164	33.90067	34.76667	55.6761	68.8966	53.8294	48.02239	34.52448	75.12094	41.26003	47.89202	53.86714	0.641298	0.043839	0.474182	0.181855	0.335529	0.566821
ATSG45710	HSFA4C	159.3131	190.9143	182.8469	204.5581	242.463	243.2291	225.8831	224.0911	176.2054	174.6355	147.6671	184.3914	0.365412	0.037052	0.279126	0.149151	-0.0599	0.885319
ATSG45715	ATSG45715	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG45720	ATSG45720	38.04493	19.62671	16.73951	11.13522	12.58688	11.96209	11.56095	14.02557	9.76246	22.06932	23.94601	30.04129	-0.96831	0.016803	-0.96561	0.026744	0.011744	0.99191
ATSG45730	ATSG45730	11.88904	10.70548	18.02716	16.49662	12.58688	9.968408	12.45025	5.39445	8.786214	14.39303	27.93701	12.43088	-0.02738	0.965336	-0.49537	0.382697	0.331697	NA
ATSG45740	ATSG45740	4.755616	1.713684	2.575309	3.299325	5.299738	3.987363	1.778607	5.39445	4.88123	0.995936	5.321336	5.179533	-0.10749	0.892995	-0.1536	0.854807	-0.21204	NA
ATSG45745	ATSG45745	0	0	0	0	0	0.996841	0	0	0.976246	0	0	0	0.15625	NA	0.0	NA	0	NA
ATSG45750	RABA1C	300.7927	314.0273	306.4617	510.1581	575.6841	586.1424	571.158	468.2382	598.4388	332.9589	327.2622	338.7414	0.846488	3.66E-10	0.828615	1.62E-09	0.116541	0.692347
ATSG45760	ATSG45760	98.67903	110.6233	136.4914	120.8378	111.2945	100.6809	90.70896	90.62675	66.64835	72.9247								

ATSG46200	ATSG46200	0	1.784246	0	0.412416	1.324935	0	0	1.07889	0.976246	0	0	0.069321	NA	0.090412	NA	-0.28671	NA	
ATSG46210	CUL4	971.3345	995.6093	976.042	783.1772	869.1571	879.2136	965.7836	979.6321	845.429	920.1947	1012.384	934.3877	-0.2175	0.06813	-0.07553	0.603764	-0.03824	0.6887392
ATSG46220	ATSG46220	43.98945	29.25341	27.04074	6.186234	7.28714	9.968408	19.56468	16.18335	14.64369	58.53167	47.89202	64.2262	-2.05428	3.96-09	-1.02657	0.004286	0.613322	0.209374
ATSG46230	ATSG46230	28.53369	30.33218	30.9037	131.1482	145.7428	107.6588	72.03358	69.04896	87.86214	39.34096	35.91902	27.96948	2.009475	1.23E-15	1.272596	2.57E-06	0.179552	0.778754
ATSG46240	KATP1	275.8257	289.0479	329.6395	683.72036	74.19633	96.63956	72.92289	69.04896	64.43224	232.2076	243.4511	274.5152	-1.78963	6.97E-29	-2.06515	4.16E-33	-0.24939	0.366998
ATSG46250	LAR6PA	1820.212	1711.092	1860.661	1277.251	1426.955	1423.489	1304.608	1454.344	1356.006	1818.32	1825.218	1573.154	-0.38422	0.000866	-0.38472	0.000866	-0.09595	0.817029
ATSG46260	ATSG46260	156.9353	181.9931	171.1765	109.7025	101.3575	150.523	120.056	132.7035	58.57476	106.5085	94.45371	108.7702	-0.31951	0.307084	-0.51657	0.096432	-0.51992	0.21644
ATSG46270	ATSG46270	341.2154	328.3013	296.1605	228.8906	208.0147	256.1881	312.1455	332.2981	177.6768	247.5602	239.4601	266.2270	-0.46642	0.035474	-0.2253	0.381927	-0.34623	0.3243
ATSG46280	MCM3	263.9367	228.3835	236.9284	161.2545	161.642	163.4819	170.7463	195.2791	148.3894	275.3867	275.3791	289.0179	-0.58089	0.000135	-0.50248	0.001852	0.196653	0.469967
ATSG46290	KAS1	1030.78	867.1436	836.9753	473.0047	455.7775	478.4836	563.8184	573.9694	586.7238	715.8136	735.6747	787.289	-0.95211	2.9E-17	-0.66127	1.31E-08	-0.28818	0.094682
ATSG46295	ATSG46295	1.188904	0	0	0.149662	1.987402	3.987363	0.889303	3.23667	6.833722	0	0	0	0.795821	0.232327	1.108065	0.093333	-0.29395	NA
ATSG46300	ATSG46300	0	0	0	0.412416	0	0.996841	0	0	0	0	0	0	0.224618	NA	0	NA	0	NA
ATSG46310	ATSG46310	0	0	0	0	0.662467	0	0	0	0.976246	0	0	0	0.097788	NA	0.140077	NA	0	NA
ATSG46315	UG-29	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG46320	ATSG46320	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG46325	ATSG46325	0	0	0	0	0	0.996841	0	0	0	0	0	0	0.15625	NA	0	NA	0	NA
ATSG46330	FLS2	487.4506	428.219	405.6111	281.2674	293.473	316.9954	217.8794	204.9891	196.2254	258.1151	248.7725	306.6283	-0.56593	6.39E-05	-1.0784	3.06E-14	-0.6892	4.02E-05
ATSG46340	ATSG46340	326.9486	314.0273	325.7765	369.9368	364.357	439.6068	420.6405	371.1381	230.3941	279.2249	300.6555	281.7666	0.269186	0.227713	0.078052	0.78029	-0.16318	0.688768
ATSG46350	WRKY8	11.88904	32.11643	20.60247	76.29688	73.53387	74.76306	1.26811	131.6246	100.5533	25.90746	31.92802	33.14901	1.730498	1.05E-09	2.380757	9.75E-18	0.484277	0.375608
ATSG46360	KCO3	0	0	0	0.412416	0	0	0	0	0.778607	0	0	0	0.060593	NA	0.260815	NA	0	NA
ATSG46370	TPK2	0	0	0	0.412416	0	0	0	0	0.976246	0	0.660668	2.071813	0.027959	NA	0.153127	NA	0.69128	NA
ATSG46380	ATSG46380	0	1.784246	0	0	0	1.778607	1.07889	0	0	1.330334	4.143626	-0.37796	0.538118	0.199374	0.776158	0.518558	NA	NA
ATSG46390	CTPA1	331.7042	376.4759	332.2148	223.1168	310.0347	309.0206	551.3682	461.7649	504.7192	424.1147	443.0012	476.517	-0.3055	0.085092	0.539818	0.001299	0.365701	0.138772
ATSG46400	AT PRP39-2	194.9802	201.6198	181.5593	150.1193	113.9444	173.4503	179.6393	190.9635	94.69586	188.069	228.8174	156.4219	-0.38704	0.166189	-0.29843	0.330338	-0.01356	0.986272
ATSG46410	SSP4	303.1705	351.4965	303.8864	383.1341	392.8431	507.392	465.995	526.4983	317.2799	283.063	324.6015	292.1256	0.40862	0.051238	0.440607	0.041129	-0.08761	0.852469
ATSG46417	ATSG46417	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	0	0.160764	NA	0	NA
ATSG46420	ATSG46420	1853.501	1941.26	1940.495	1163.424	1344.809	1141.383	1698.57	1619.414	1792.388	2051.487	2282.853	2209.589	-0.64616	4.89E-10	-0.16454	0.185816	0.188672	0.278942
ATSG46430	RPL32B	954.6899	1038.431	1142.149	1551.095	1585.284	1268.978	1088.507	1048.681	1498.538	987.3622	1046.973	997.578	0.483358	0.003491	0.21003	0.27424	-0.04773	0.905042
ATSG46440	ATSG46440	21.40027	28.54794	20.60247	37.76063	37.76063	21.9305	48.91169	35.60337	42.95482	24.94793	30.59768	20.71813	0.471689	0.203637	0.810304	0.024506	0.105041	0.903159
ATSG46450	ATSG46450	300.7927	335.4383	260.1062	268.895	255.7124	354.8753	421.5299	493.0527	273.3489	238.9244	259.4151	275.5511	-0.02863	0.926117	0.395487	0.106491	-0.20227	0.637671
ATSG46460	PCMP-H49	30.9115	19.62671	27.04074	18.97112	14.57428	21.9305	28.45771	28.05114	24.40615	32.62421	14.63367	26.93357	-0.47503	0.232713	0.035978	0.944862	-0.05244	0.958266
ATSG46470	RP56	1298.283	1404.202	1182.067	933.7089	808.2101	1312.839	1161.43	1110.178	644.3224	1138.969	1113.821	1094.953	-0.33587	0.147441	-0.39888	0.113821	-0.25427	0.540008
ATSG46490	ATSG46490	369.7491	378.2602	319.3383	437.9853	504.1376	499.4172	479.3346	495.3176	338.7574	287.8607	324.6015	309.7361	0.426021	0.00936	0.208094	0.273836	-0.207	0.482633
ATSG46500	ATSG46500	57.06739	69.5856	41.20494	109.7025	135.1433	133.5767	96.0199	118.6779	117.26596	33.58375	41.24035	35.22082	1.135197	6.3E-06	0.763885	0.005161	-0.5622	0.207802
ATSG46510	ATSG46510	395.905	380.0444	388.8716	380.6596	420.6667	498.4204	481.1132	482.2638	398.3084	316.6468	341.8958	314.9156	0.147661	0.392103	0.220905	0.199841	-0.25769	0.300853
ATSG46520	VICTR	229.4585	201.6198	222.7642	278.3805	267.6368	336.9322	336.1567	354.9548	261.6339	181.9522	194.2288	189.5709	0.414343	0.001814	0.527583	0.002787	-0.21201	0.509982
ATSG46530	ATSG46530	20.21137	8.92123	15.45183	12.78488	11.92441	9.968408	8.003731	10.7889	8.786214	21.85074	21.28534	18.64632	-0.33545	0.497334	-0.63168	0.211933	0.469969	NA
ATSG46540	ABC87	0	1.784246	1.287654	0	0	0	1.07889	0	0	0	0	3.10772	-0.5085	NA	-0.26657	NA	0.055031	NA
ATSG46550	GTE12	183.0912	194.4828	171.258	220.2299	223.2515	213.3239	231.2189	226.5669	237.2278	195.7453	166.2917	224.7917	0.260537	0.125323	0.339454	0.050539	0.105563	0.758818
ATSG46560	ATSG46560	189.0357	144.5239	173.8333	186.4118	210.6646	200.365	210.7649	204.9891	191.3442	192.8667	158.3097	204.0736	0.21659	0.249729	0.242701	0.220462	0.122371	0.733733
ATSG46570	BSK2	243.7253	244.4417	220.1889	152.1813	131.831	149.5261	152.0709	126.2301	141.5557	210.1383	186.2468	243.438	-0.69259	0.000023	-0.7349	0.000015	-0.13766	0.680453
ATSG46580	ATSG46580	932.1007	788.6367	771.305	501.9098	438.5533	489.4488	671.4241	679.7007	660.9185	640.0103	713.059	814.2225	-0.79273	1.57E-09	-0.30669	0.03786	-0.20102	0.388952
ATSG46590	ana0C96	3.566712	3.568492	5.150617	18.14629	15.89921	13.95577	19.56468	19.42002	27.33489	9.595356	1.330334	8.287252	1.491094	0.002545	1.882888	0.000123	0.434143	NA
ATSG46595	ATSG46595	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG46600	ALMT13	33.28931	26.76369	14.1642	6.598469	2.649869	3.987363	14.22886	6.47334	5.857476	35.50282	27.93701	30.04129	-1.99077	6.46E-06	-1.23695	0.00788	0.315821	0.706832
ATSG46610	ALMT14	0	0	0	0.826483	1.324935	0.996841	2.66791	1.07889	0	0	0.660668	0	0.492391	NA	0.576632	NA	0.366681	NA
ATSG46620	ATSG46620	108.1903	85.64381	103.0123	155.8931	163.6294	143.5451	108.495	104.6523	191.3442	93.07496	99.77505	125.3447	0.609297	0.017008	0.419226	0.138504	0.08781	0.88409
ATSG46630	AP2M	624.1964	729.7566	669.5803	793.4876	853.2578	803.4537	757.6866	777.8796	717.5408	569.9642	621.266	608.0771	0.27784	0.015372	0.152773	0.227808	-0.16527	0.400342
ATSG46640	AHL8	24.96998	28.54794	16.73951	16.90904	13.91181	12.95893	34.68284	30.20892	17.57243	38.38143	26.60668	41.43626	-0.57895	0.154331	0.227983	0.634062	0.165731	0.337449
ATSG46645	ATSG46645	0	0	0	0	0.662467	0	0.889303	0	0	0	0	0	0.097058	NA	0.130384	NA	0	NA
ATSG46650	ATL30	0	0	0	0.412416	0.662467	0	1.07889	0	1.919071	0	0	0	0.183422	NA	0.162041	NA	0.322453	NA
ATSG46660	ATSG46660	2.377808	3.568492	1.287654	0	0	0	2.990522	1.778607	1.07889	0	1.919071	0	-1.13955	NA	-1.05793	NA	-0.63133	NA
ATSG46665	ATSG46665	5.04452	7.136984	1.287654	1.649662	0	2.990522	1.778607	1.07889	0	4.976778	6.65167	1.035907	-0.88219	0.193821	-1.0489	0.128644	-0.10212	NA
ATSG46670	ATSG46670	1.188904	0	1.287654	1.237427	0.662467	0.996841	0	0	0	0	1.330334	2.071813	0.081305	NA	-0.51884	NA	0.113957	

ATSG47090	ATSG47090	165.2576	153.4452	172.5457	197.1346	194.1029	185.4124	190.3109	189.8846	206.9642	170.7973	192.8984	193.7145	0.225906	0.18256	0.24788	0.168038	0.170782	0.56626
ATSG47100	CLB9	107.0014	139.1712	128.7654	96.50524	98.04516	86.72515	120.056	134.8612	142.5319	162.1211	137.0244	106.6984	-0.38819	0.07927	0.08955	0.751685	0.125499	0.779875
ATSG47110	LIJ3	2598.944	2490.807	2646.13	1517.689	1928.442	1476.321	2143.221	1765.064	2566.551	2318.238	2261.568	2927.472	-0.63911	0.000183	-0.25155	0.204599	-0.04233	0.922152
ATSG47120	BI-1	642.0081	720.8354	657.9914	3307.573	3888.683	3043.355	2687.475	2280.773	2977.55	529.6637	615.9446	640.1902	2.307791	4.97E-62	1.946789	3.84E-44	-0.17494	0.540008
ATSG47130	ATSG47130	2.377808	5.352738	2.575309	16.49662	23.18635	25.91786	23.12189	29.13003	35.14486	1.919071	2.660668	4.140326	2.072188	1.51E-05	2.464766	2.2E-07	-0.14988	NA
ATSG47140	GATAZ7	153.3686	157.0137	163.5321	204.1457	215.9643	213.3278	186.5379	168.3068	165.9618	118.0229	122.3907	123.2729	0.410582	0.009518	0.13644	0.495155	-0.37553	0.133673
ATSG47150	ATSG47150	4.755616	0	0	0.412416	0	0.996841	0.889303	2.15778	0	0	0	0	0.1035907	-0.50512	0.416394	-0.22835	0.749512	-0.51295
ATSG47160	ATSG47160	20.21137	17.84246	19.31482	14.84696	20.53649	16.94629	16.89677	14.02557	14.64369	19.19071	19.95501	15.5386	-0.13534	0.780903	-0.29723	0.54563	-0.07197	0.94456
ATSG47170	ATSG47170	1.188904	0	0	2.575309	3.293235	0.662467	3.987363	0	1.07889	1.952492	1.919071	0	0	3.10772	0.449342	0.538335	-0.15753	0.853083
ATSG47175	LCR3	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG47180	PVAZ1	109.3792	133.8185	122.3272	150.5317	155.6798	172.4535	205.4291	193.1213	141.5557	132.4159	127.7121	71.47755	0.376045	0.141966	0.548113	0.030922	-0.13272	0.803834
ATSG47190	ATSG47190	1449.274	1700.386	1780.826	1518.102	1489.226	1355.703	1531.381	1477	2093.071	1794.332	1716.131	2184.727	-0.17201	0.370805	0.048827	0.835461	0.204997	0.493509
ATSG47200	RABD2B	681.242	777.9313	759.7161	1411.699	1335.534	1389.596	1024.478	1123.124	1259.357	772.4262	834.1194	683.6983	0.891053	2.3E-13	0.613309	1.24E-06	0.045372	0.883453
ATSG47210	ATSG47210	3407.399	3263.386	3323.346	3031.667	3066.561	2922.737	2623.445	3019.813	4065.088	3771.935	4634.884	3083.984	-0.14454	0.505693	-0.04109	0.874801	0.196367	0.560244
ATSG47220	ERF2	45.17835	60.66437	51.50617	439.635	400.7927	427.6447	401.9652	521.1038	834.6903	42.21957	42.57069	40.40035	2.870519	5.39E-31	3.323924	1.93E-41	-0.29844	0.591139
ATSG47225	ATSG47225	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG47229	ATSG47229	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG47230	ERF5	28.53369	23.1952	36.05432	74.64722	92.74542	130.5861	257.0087	200.6735	293.85	16.31211	33.25835	31.0772	1.598309	6.65E-08	2.894864	1.24E-24	-0.15378	0.844294
ATSG47240	NUDTH	473.1838	537.0581	552.4037	611.6123	700.2279	686.8233	1713.688	1443.555	1443.868	825.2006	1009.723	759.1395	0.34851	0.02643	1.536781	2.26E-28	0.718907	2.46E-05
ATSG47250	ATSG47250	98.67903	82.07532	65.67037	59.38784	54.98478	79.74726	72.92289	58.26006	49.78855	59.49121	58.53469	59.04667	-0.35018	0.202009	-0.42405	0.142122	-0.4572	0.273238
ATSG47260	ATSG47260	0	0	0	0	0	0	0.889303	1.07889	0	0	0	0	0	NA	0.34029	NA	0.182576	NA
ATSG47280	ADR1-L3	0	0	0	0	0	0	0	0	0.976246	0	0	0	0	0	0.14122	NA	0.2956	NA
ATSG47290	ATSG47290	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG47300	ATSG47300	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG47306	ATSG47306	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG47310	ATSG47310	517.1732	565.606	578.1568	525.005	636.631	520.3509	599.3905	516.7883	561.3414	696.6229	654.5243	604.9694	0.019612	0.918033	0.016435	0.934866	0.234592	0.29285
ATSG47320	RP519	255.6143	321.1643	310.3247	442.9343	508.7749	459.5436	374.3968	338.7714	529.1253	352.1496	383.1362	340.8132	0.658004	0.000317	0.478734	0.014291	0.27423	0.387595
ATSG47330	ATSG47330	15.45575	12.48972	11.58889	79.59621	76.8462	81.74094	155.6281	131.6246	139.6032	49.89585	54.54369	45.57989	2.3329	5.13E-16	3.159041	3.92E-29	1.680897	1.6E-06
ATSG47340	ATSG47340	0	0	0	0.824831	1.987402	0	1.778607	1.07889	0.976246	0	1.330334	0	0.508912	NA	0.625717	NA	0.184396	NA
ATSG47350	ATSG47350	4.755616	3.568492	6.438272	2.474493	5.299738	6.977885	5.572714	2.15778	5.857476	0.959536	2.660668	7.251346	-0.05236	0.949798	-0.2317	0.777054	-0.28869	NA
ATSG47360	ATSG47360	52.31177	26.76369	32.19136	24.33252	29.14856	24.92102	26.6791	26.97225	28.31113	32.62421	34.58868	42.47217	-0.50041	0.141777	-0.4363	0.246249	-0.04455	0.959697
ATSG47370	HAT2	210.436	315.8115	235.7765	281.2674	259.6872	222.2955	177.8607	185.5691	292.8738	291.6988	284.6915	210.289	-0.14371	0.559269	-0.68768	0.001173	-0.10771	0.812354
ATSG47380	ATSG47380	102.2457	121.3287	124.9025	105.9908	123.2189	150.523	123.6132	116.5201	82.98091	98.83217	137.0244	95.3034	0.11088	0.704872	-0.10065	0.753912	-0.07646	0.893141
ATSG47390	ATSG47390	570.6739	547.7635	539.5272	371.5864	413.3796	445.5878	468.6629	406.7415	385.6172	526.7851	623.9266	497.2351	-0.42983	0.003055	-0.38856	0.010576	-0.10202	0.977224
ATSG47400	ATSG47400	63.01191	48.17464	64.38272	40.00431	50.34751	42.86415	50.6903	53.9445	34.16861	45.09817	67.84703	48.68761	-0.39531	0.186649	-0.33513	0.310996	-0.14054	0.821978
ATSG47420	ATSG47420	72.52314	82.07532	93.99877	248.6867	197.4152	232.2639	151.1816	122.9935	154.2465	78.68192	75.82904	79.7944	1.415999	5.02E-14	0.765514	0.000214	-0.08104	0.875455
ATSG47430	ATSG47430	311.4928	278.3424	267.8321	321.6841	282.8735	272.1375	297.0274	357.1126	292.8738	295.537	290.0128	239.2944	0.034523	0.871856	0.136482	0.494026	-0.05861	0.879355
ATSG47435	PURU1	738.3094	863.5751	866.5914	743.1729	759.85	800.4631	899.9751	825.3508	799.5455	973.9287	893.9844	958.2135	-0.09841	0.47297	0.035275	0.830103	0.197015	0.296544
ATSG47440	ATSG47440	34.47821	51.74313	42.49259	14.43455	10.59948	16.94629	32.01493	19.42002	16.55618	58.53167	91.79304	50.75942	-1.46266	2.61E-05	-0.81179	0.031573	0.609743	0.243484
ATSG47445	ATSG47445	67.76752	96.34929	74.68395	61.44992	68.8966	69.77885	93.37687	69.04896	64.43224	71.96517	94.45371	61.11849	-0.23593	0.411421	-0.04988	0.889789	-0.0621	0.922046
ATSG47450	TIP2-3	0	0	1.287654	0	0.662467	1.993682	0.889303	0	0.959536	0	0	0	0.179947	NA	0.07518	NA	-0.05481	NA
ATSG47455	ATSG47455	27.34479	26.76369	38.62963	74.2348	83.47088	65.79149	59.58333	48.55005	76.14719	48.93632	71.83803	61.11849	1.186923	2.09E-05	0.915482	0.002252	0.882693	0.02266
ATSG47460	PCMP-E103	15.45575	17.84246	15.45185	11.54764	13.91181	21.9305	17.78607	21.5778	14.64369	16.31211	17.29434	11.39497	-0.08009	0.884042	0.136113	0.812528	-0.09877	0.927039
ATSG47470	ATSG47470	0	0	0	0.824831	0	1.324935	0	1.778607	1.07889	0.976246	0.959536	0	0.409835	NA	0.647576	NA	0.165624	NA
ATSG47480	MAG5	693.131	604.8594	502.1852	539.0272	441.2032	567.2024	535.3607	650.5706	412.9521	530.6232	521.4909	526.2405	-0.21439	0.314036	-0.16828	0.47042	-0.18542	0.603047
ATSG47490	SEC16B	208.0582	160.5821	155.8062	110.115	77.50867	118.6241	139.6206	139.1768	78.09968	128.5778	147.6671	157.4578	-0.75072	0.002718	-0.53559	0.04786	-0.26749	0.563232
ATSG47500	PME68	214.0027	173.0719	220.1898	321.2177	245.7754	259.1786	247.2264	269.7225	293.2967	247.5602	203.5411	309.7361	0.429644	0.04765	0.212065	0.404719	0.313183	0.374513
ATSG47510	SFH1	32.10041	26.76369	30.9037	45.77813	41.07297	43.86099	44.65179	33.44559	34.4559	38.3111	43.1791	35.91902	0.498281	0.140813	0.218216	0.599642	0.157923	0.833784
ATSG47520	RABA5A	135.535	158.7979	151.9432	158.3676	155.6798	145.5388	115.6095	114.3623	166.9381	119.942	130.3727	134.6678	0.051052	0.880347	-0.15912	0.516074	-0.20373	0.884791
ATSG47530	ATSG47530	1.188904	0	0	0.412416	0.662467	0.996841	0	2.15778	0	0	0	0	0.134646	NA	0.131873	NA	-0.24822	NA
ATSG47540	ATSG47540	325.7597	321.1643	305.1741	202.496	225.9013	198.3713	211.6542	180.1746	140.5794	261.9532	268.7275	308.7001	-0.59039	0.000423	-0.18939	0.000243	-0.17725	0.575777
ATSG47550	CYS5	29.7226	42.8219	51.50617	39.17948	23.18635	23.92418	24.81447	30.26363	45.09817	31.92802	38.32854	0	-0.44299	0.223311	-0.62038	0.101069	-0.07892	0.926068
ATSG47560	TD1	901.1892	922.4552	806.0716	657.8028	606.82	710.7475	329.0423	354.9548	298.7313	556.5307	478.9022	466.1579	-0.40844	0.002111				

ATSG48050	ATSG48050	9.511232	5.352738	2.575309	0.412461	1.324935	0	3.557214	0	0	3.888143	5.321336	4.143626	-1.59414	0.011563	-1.18738	0.079154	-0.25753	NA	
ATSG48060	ATSG48060	27.34479	10.70548	36.05432	4.949887	5.962205	5.981045	7.114428	10.7889	2.928738	21.10978	18.62468	16.5745	-1.8252	0.00005	-1.56181	0.000998	-0.37165	NA	
ATSG48070	XTH20	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	0.160764	NA	0	NA	
ATSG48090	ELP1	3.566712	1.784246	5.150617	2.886909	4.637271	2.990522	9.782338	3.23667	2.928738	6.716749	5.321336	4.143626	-0.06123	0.941148	0.380318	0.616201	0.376069	NA	
ATSG48100	TT10	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
ATSG48110	ATSG48110	0	0	0	0.824831	0.662467	0.996841	0	1.07889	0.976246	0	1.330334	1.035907	0.459719	NA	0.354938	NA	0.397358	NA	
ATSG48120	ATSG48120	309.115	303.3218	269.1198	167.4407	186.1533	241.2355	335.2674	275.1169	189.3917	210.1383	232.8084	232.0431	-0.55864	0.011093	-0.13405	0.631718	-0.37341	0.28571	
ATSG48130	ATSG48130	0	0	0	0	1.324935	0.996841	0	0	0.995936	0	0	0	0.378842	NA	0	NA	0.162793	NA	
ATSG48140	ATSG48140	0	0	0	0	0	0	1.778607	0	0	0	0	0	0	0	0.264566	NA	0.174671	NA	
ATSG48150	PAT1	485.0728	496.0204	10.7617	301.0634	258.3622	285.0965	236.5547	293.4581	222.5841	320.4849	339.2352	358.4237	-0.70563	2.02E-06	-0.87329	6.39E-09	-0.44229	0.03257	
ATSG48160	OBE2	1281.638	1248.972	967.0284	1050.422	1011.588	1166.304	1296.604	1398.241	1449.725	1029.582	1098.856	994.4703	-0.1147	0.476886	0.242582	0.109001	-0.16126	0.516907	
ATSG48170	SNE	7.133424	8.92123	7.725926	5.361402	13.24935	10.96525	8.003731	4.31556	8.786214	8.635821	5.321336	11.39497	0.228299	0.724503	-0.11443	0.879124	0.098828	NA	
ATSG48175	ATSG48175	0	0	0	1.237247	0	0	0.889303	0	0	0	0	0	0.195643	NA	0.123195	NA	0	NA	
ATSG48180	NSP5	438.7056	431.7875	365.6938	623.5723	637.2935	744.6401	550.4789	686.174	755.6144	321.4444	238.1298	296.2693	0.683423	4.71E-05	0.675386	0.000077	-0.51318	0.028715	
ATSG48190	ATSG48190	4.755616	1.784246	1.287654	2.474493	1.324935	1.993682	0.889303	0	0.995936	1.330334	2.071813	0	-0.19106	0.813804	-0.99275	0.14482	-0.41566	NA	
ATSG48200	ATSG48200	0	0	1.287654	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA	
ATSG48205	ATSG48205	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	0.160764	NA	0	NA	
ATSG48210	ATSG48210	2.377808	0	0	0	0.662467	0	0.889303	0	0	2.878607	1.330334	4.143626	-0.42529	0.520793	-0.30004	0.673728	0.715811	NA	
ATSG48220	ATSG48220	483.8839	515.6471	533.0889	446.2337	425.9665	400.73	427.755	439.1082	466.6456	558.4497	504.1966	546.9586	-0.25988	0.036541	-0.19805	0.146945	0.073366	0.775068	
ATSG48230	AAT1	485.0728	472.8252	592.321	325.8083	319.3092	323.9733	271.2376	301.0103	315.3275	556.5307	450.9832	560.4254	-0.67017	2.91E-06	-0.79577	4.18E-08	-0.16226	0.965774	
ATSG48240	ATSG48240	175.9578	151.6609	222.7642	237.139	263.662	215.3176	232.9975	193.1213	246.014	183.2713	204.8714	199.93	0.365955	0.054124	0.274768	0.190439	0.082102	0.849621	
ATSG48250	COL10	52.31177	80.29107	90.1358	315.9103	320.6342	419.67	1004.024	1008.762	966.4835	106.5085	121.0604	124.3088	2.178124	4.38E-31	3.655102	3.05E-88	0.635094	0.025782	
ATSG48270	ATSG48270	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
ATSG48280	ATSG48280	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	0.160764	NA	0	NA	
ATSG48290	ATSG48290	0	1.784246	2.575309	9.897974	7.28714	4.984204	5.39445	11.71495	1.919071	1.330334	1.035907	0	1.428795	0.018278	1.470723	0.01865	-0.04389	NA	
ATSG48300	AP51	2085.338	1866.321	1809.154	1408.399	1212.315	1243.06	1430	1708.962	1389.198	2088.909	2156.471	2012.766	-0.56944	3.05E-06	-0.3449	0.008448	0.117446	0.623916	
ATSG48310	ATSG48310	78.46766	78.50683	56.65679	69.28582	58.95959	63.79781	71.14428	83.07453	55.64602	98.83217	98.44471	87.01615	-0.137467	0.635932	-0.02258	0.948781	0.402396	0.293372	
ATSG48320	ATSG48320	29.72226	19.62671	23.17778	11.13522	9.937009	19.93682	14.22886	25.89336	11.71495	38.38143	15.96401	41.43626	-0.76791	0.087464	-0.44221	0.389978	0.363626	0.651908	
ATSG48330	ATSG48330	73.71204	76.72258	72.10864	85.37002	70.7757	53.35821	67.97007	86.85897	67.16749	93.12338	51.79533	0	0.196941	0.530067	-0.09215	0.806537	-0.0772	0.907455	
ATSG48335	ATSG48335	117.7015	137.3869	162.2444	185.1746	232.526	187.4061	135.1741	173.7013	270.421	158.3234	103.766	150.2064	0.512061	0.062051	0.450431	0.123899	-0.1014	0.989837	
ATSG48340	ATSG48340	122.4571	160.5821	149.3679	136.5096	145.7428	166.4724	151.1816	112.2046	152.2944	137.2136	131.7031	142.9551	0.052075	0.836458	-0.04207	0.88066	-0.05747	0.903861	
ATSG48350	ATSG48350	1.188904	0	1.287654	1.237247	0.662467	0	0.889303	0	0.995936	0	4.143626	0	-0.0931	0.902437	-0.29119	0.679194	0.346576	NA	
ATSG48360	FH9	395.905	253.3629	266.5444	155.8931	191.453	176.4408	184.9751	158.5968	142.5319	260.0342	295.3341	314.9584	-0.79467	5.45E-05	-0.8933	8.44E-06	-0.07905	0.868158	
ATSG48370	ATSG48370	114.1348	128.4657	113.3136	104.3411	104.0074	84.73147	130.7276	112.2046	140.5794	106.5085	142.3457	106.9166	-0.25464	0.256797	-0.113615	0.668716	-0.00557	0.992712	
ATSG48375	TG3	0	0	0	0.662467	0.996841	0.889303	0	0	0	0	0	0	0.275488	NA	0.154887	NA	0	NA	
ATSG48380	BIR1	608.7188	553.1163	454.542	1246.32	1171.905	1488.283	1298.383	1434.924	1184.186	325.2826	336.5745	379.1418	1.25098	1.91E-17	1.256046	1.81E-17	-0.6226	0.001472	
ATSG48385	FLR3	863.1443	795.7737	724.9494	1023.203	906.2552	1013.787	1035.149	1136.071	1184.1892	671.6749	719.7107	706.4883	0.299427	0.052949	0.319181	0.045249	-0.18262	0.494969	
ATSG48390	ZIP4	2.377808	1.784246	5.150617	2.886909	5.299738	0.996841	2.66791	3.23667	0	1.919071	2.660668	3.10772	0.018456	0.982959	-0.36179	0.653378	-0.16741	NA	
ATSG48400	GLR1.2	8.322328	0	2.575309	35.46774	26.49869	48.8452	72.92258	80.91675	36.1211	8.388143	6.660668	2.071813	2.476384	7.69E-08	1.395548	1.55E-12	-0.31114	0.789872	
ATSG48410	GLR1.3	2.377808	3.568492	9.01358	20.20836	22.52389	28.90838	25.7898	20.49891	15.61994	1.919071	6.65167	4.143626	1.801043	0.000127	1.619503	0.000979	-0.23645	NA	
ATSG48412	ATSG48412	425.6276	431.7875	415.9124	294.8771	435.9035	319.8959	416.194	378.904	648.2723	477.8487	516.1696	429.9012	-0.26886	0.268275	0.175595	0.5155	-0.155635	0.725981	
ATSG48420	ATSG48420	0	0	0	0	0	0	0	0	0	1.919071	0	0	0	0	0	0	0	0	0
ATSG48430	ATSG48430	0	0	1.287654	1.237247	1.987402	1.993682	0	2.15778	2.928738	0	0	1.035907	0.559457	0.402079	0.565777	0.459428	-0.08041	NA	
ATSG48440	ATSG48440	145.0463	212.3253	162.2444	284.9792	322.6216	283.1028	174.3035	187.7268	193.2967	139.1327	118.3997	109.8061	0.779237	5.58E-06	0.108254	0.649786	-0.46885	0.082058	
ATSG48450	sk3	85.60108	83.85956	90.1358	68.46099	47.69764	70.7757	49.80099	66.89118	41.00233	54.69353	58.57969	67.62118	-0.45185	0.125488	-0.68607	0.022018	-0.57485	0.184358	
ATSG48460	FIM2	535.0068	453.1985	500.8975	208.6283	195.4278	262.1691	228.551	242.7502	173.7718	587.2358	611.9536	604.9694	-1.1514	1.35E-13	-1.18766	7.63E-14	0.269495	0.305516	
ATSG48465	ATSG48465	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	0.160764	NA	0	NA	
ATSG48470	ATSG48470	208.0582	183.7773	200.8741	275.906	259.0247	250.207	255.201	294.537	310.4462	247.5602	230.1478	215.4686	0.397704	0.010738	0.521466	0.000847	0.217126	0.426928	
ATSG48480	ATSG48480	286.5259	281.9109	334.7901	392.6196	453.7901	389.7647	265.0124	290.2214	446.1444	320.4849	248.7725	298.3411	0.439092	0.039521	0.142685	0.588171	-0.05499	0.915717	
ATSG48485	DIR1	152.1797	132.0342	158.3815	214.0437	182.841	117.6272	115.6095	100.3368	179.6239	209.1788	484.2416	219.6122	0.20451	0.603164	-0.15208	0.727523	0.963843	0.021612	
ATSG48490	ATSG48490	187.8468	208.7568	234.3531	311.973	338.4557	95.69671	72.03358	56.10228	199.3396	280.1844	605.302	384.3213	-0.73417	0.012119	-0.31963	4.03E-06	0.954771	0.006741	
ATSG48500	ATSG48500	48.74506	33.90067	33.47901	56.08852	49.68505	51.83572	46.24378	47.47116	67.36097	47.97678	55.87403	54.90305	0.404222	0.178411	0.427933	0.18182	0.40348	0.406255	
ATSG48510	ATSG48510	0	0	0	0.824831	0	0	0.889303	0	0	0	0	0	0.173038	NA	0	NA	0	NA	
ATSG48515	ATSG48515	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
ATSG48520	ATSG48520	175.9578	178.4246	169.9704	160.8421	122.5564	131.583	167.1891	122.9935	124.9595	203.4216	251.4331	182.3195	-0.31903	0.14					

ATSG48920	TED7	8.322328	14.27397	12.87654	8.660727	11.26194	8.971567	6.225124	7.55223	5.857476	16.31211	11.97301	22.78994	-0.22998	0.686269	-0.66813	0.229553	0.497949	NA
ATSG48930	HST	1889.168	1711.092	1564.5	752.246	658.4925	721.7127	698.1032	759.5385	692.1584	1260.275	1195.97	1278.309	-1.26435	8.18E-32	-1.25406	1.17E-30	-0.46739	0.000633
ATSG48940	RCH1	0	1.784246	3.862963	1.237247	4.637271	0	2.66791	2.15778	0	0.635821	7.982004	0	0.01499	0.986558	-0.0877	0.920143	0.715527	NA
ATSG48945	LCR46	0	0	0	0	0	0	0	0	0	0.959536	0	0	0	NA	0	NA	0.171512	NA
ATSG48950	DHNA72	3.566712	7.136984	5.150617	4.124156	4.637271	0.996841	4.446517	2.15778	3.904984	1.919071	2.660668	1.035907	-0.36421	0.614669	-0.3421	0.661858	-0.85653	NA
ATSG48955	LCR86	0	0	0	0	0	0	0.889303	0	0.976246	0	0	0	0	NA	0.309898	NA	0	NA
ATSG48960	ATSG48960	212.8138	203.404	242.079	273.4315	224.5764	241.2355	300.5846	318.2725	242.109	218.7741	184.9164	216.5045	0.164891	0.404757	0.375695	0.402221	-0.08356	0.836222
ATSG48965	ATSG48965	77.27876	74.93833	54.08148	64.33683	52.99738	59.81045	79.14801	56.10228	43.93107	62.36982	65.18636	63.1903	-0.20116	0.156726	-0.16314	0.590261	-0.10474	0.866988
ATSG48970	ATSG48970	142.6685	137.3869	115.8889	156.3055	141.1055	164.4787	131.6169	104.6523	139.6032	107.468	83.81104	129.4883	0.216091	0.349291	-0.06848	0.813771	-0.28378	0.443857
ATSG48980	ATSG48980	1.188904	0	0	2.886909	1.987402	1.993682	1.778607	3.23667	1.952492	1.919071	0	3.10772	0.759425	0.264786	0.721782	0.312675	0.525544	NA
ATSG48990	ATSG48990	70.14533	44.60615	52.79383	57.32576	52.33491	50.83888	48.91169	55.02339	55.64602	37.42189	38.57969	61.11849	-0.06913	0.845661	-0.08678	0.820088	-0.28645	0.587439
ATSG49000	ATSG49000	40.42273	46.3904	41.20494	42.06639	43.72284	40.87047	30.23632	29.13003	30.26363	22.06932	34.58868	33.14901	0.000399	0.999566	-0.47347	0.157804	-0.48645	0.321717
ATSG49010	SD5	40.42273	32.11643	29.61605	47.01538	47.03518	53.8294	30.23632	43.1556	41.97858	63.23935	59.86503	60.08258	0.482267	0.101834	0.143272	0.710701	0.789761	0.035935
ATSG49015	ATSG49015	59.4452	76.72258	81.12222	169.0904	156.3423	127.5956	210.7649	168.3068	232.3465	85.20066	159.6401	90.12387	0.1016923	0.906E-05	1.426544	1.95E-08	0.567992	0.165154
ATSG49020	PRMT14	252.0476	210.541	224.0519	232.6024	245.1129	223.2923	230.3296	238.4347	191.3442	254.2769	301.9858	250.6894	0.025164	0.908539	-0.026251	0.780235	0.348371	0.437269
ATSG49030	OVA2	1119.948	1109.801	1024.973	567.0714	554.4851	539.2909	871.5174	942.9498	741.947	974.8882	909.9484	1235.836	-0.95514	1.19E-11	-0.3434	0.030073	-0.05834	0.866179
ATSG49040	DIR3	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
ATSG49050	ATSG49050	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG49060	ATJ49	83.22328	99.91778	86.27284	118.3633	131.831	119.6209	111.1629	103.5734	120.0783	93.07496	95.78405	100.4829	0.456687	0.020101	0.31761	0.153265	0.110459	0.802071
ATSG49070	KCS20	8.322328	1.784246	10.30123	3.299255	4.637271	5.981045	2.66791	3.23667	1.952492	7.676285	2.660668	10.35907	-0.47253	0.147789	-0.93775	0.153218	0.006685	NA
ATSG49080	ATSG49080	0	0	0	0.824831	0	0	2.66791	0	0	0.959536	0	1.035907	0.119722	NA	0.401768	NA	0.301745	NA
ATSG49090	ATSG49090	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG49100	ATSG49100	353.1045	312.2431	338.6531	249.5114	249.7502	233.2607	173.4142	196.358	181.5818	326.2421	268.7275	323.2028	-0.44934	0.001598	-0.8582	1.71E-09	-0.12603	0.652681
ATSG49110	ATSG49110	17.34479	26.76369	34.76667	25.56977	31.79843	23.92418	32.90423	45.31338	21.47741	24.94793	31.92802	32.1131	-0.1216	0.781108	0.140459	0.762039	-0.01071	0.991568
ATSG49120	ATSG49120	14.26685	23.1952	19.31482	16.90904	17.88662	7.974726	8.893035	5.39445	5.857476	24.94793	22.61568	24.86176	-0.28659	0.556815	-1.20221	0.009881	0.218371	0.659653
ATSG49130	ATSG49130	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG49138	ATSG49138	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG49140	ATSG49140	0	0	0	0	0	0.996841	0.889303	0	1.952492	0	0	0	0.130704	NA	0.457031	NA	0	NA
ATSG49150	GEX2	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG49152	ATSG49152	1.188904	0	6.438272	8.248311	6.624673	5.981045	3.557214	4.31556	4.88123	5.757214	9.312338	4.143626	0.901712	0.146534	0.350764	0.64778	0.749519	NA
ATSG49160	DMT1	355.4823	226.5992	251.0926	131.973	107.3197	155.5072	111.1629	132.7035	92.74337	267.7104	239.4601	275.5511	-1.05767	0.352107	-1.27342	1.69E-09	-0.09214	0.852370
ATSG49170	ATSG49170	51.12287	35.68492	61.80741	25.15735	23.84882	15.94945	2.66791	9.710009	14.64369	54.69353	30.59768	53.86714	-1.0804	0.001735	-1.50234	3.32E-05	-0.08531	0.920201
ATSG49180	PMES8	1.188904	0	0	0	0	0	0	0	0	0	1.330334	0	-0.22006	NA	-0.20393	NA	0.001199	NA
ATSG49190	SU52	13.07794	12.48972	12.87654	13.60971	9.274542	20.93366	18.67537	17.26224	7.809968	13.4335	13.30334	6.215439	0.128836	0.830839	0.156163	0.80925	-0.19204	NA
ATSG49200	ZFW04	0	1.784246	1.287654	3.299325	5.299738	2.990522	2.66791	4.31556	3.904984	0	0	0.2071813	0.975558	0.141599	0.871049	0.21814	-0.15105	NA
ATSG49210	ATSG49210	155.7464	185.5616	172.5457	204.5581	219.9391	188.4029	159.1853	143.4924	261.6339	206.3002	202.2108	195.7863	0.252362	0.304192	0.135496	0.636219	0.230315	0.575245
ATSG49215	ATSG49215	247.292	196.2671	213.7506	84.54519	90.09555	100.6809	94.26617	86.3112	72.2422	162.1615	147.6671	183.3555	-1.24592	8.9E-13	-1.34909	1.37E-13	-0.40816	0.131817
ATSG49220	ATSG49220	222.325	183.7773	226.6272	207.8574	275.5864	192.3903	224.1045	204.9891	216.7266	228.3635	222.1658	228.9353	0.08894	0.687592	0.022668	0.930797	0.09411	0.811658
ATSG49230	DI19-7	82.03437	110.6233	81.12222	123.3123	90.09555	104.6683	71.14428	72.28563	78.09968	98.83217	70.5077	89.08796	0.234348	0.36088	-0.27881	0.314675	-0.05425	0.927039
ATSG49240	APRR4	0	0	0	0	0	0	0.889303	0	0.959536	0	0	0	0	NA	0.13694	NA	0.147196	NA
ATSG49250	ATSG49250	0	1.784246	0	0	0	0	0	0	1.919071	0	0	4.143626	-0.35176	NA	-0.29435	NA	0.624895	NA
ATSG49260	ATSG49260	0	0	0	0.412416	0	0	1.07889	0.976246	0	0	0	0	0.073354	NA	0.349909	NA	0	NA
ATSG49270	COB19	0	0	0	0	0	0	0	0	0	0	0	0	0.324012	0.45054	0.324172	0.45054	0.136575	0.850251
ATSG49280	ATSG49280	61.82301	49.95889	50.21852	65.57408	60.28452	73.76622	53.35821	70.12785	83.95716	54.69353	91.79304	36.25673	-1.03339	0.007597	-0.67086	0.118352	-0.75765	0.212111
ATSG49290	ATRLP56	23.77808	33.90067	34.76667	13.60971	11.26194	16.94629	21.34328	20.49891	12.6912	12.47396	13.30334	24.86176	0.262482	0.554878	0.240555	0.603012	0.38751	0.581757
ATSG49300	GATA16	28.53369	17.84246	33.47901	29.69392	25.83622	45.84568	13.12562	22.65669	43.93107	42.21957	45.23135	22.78994	0.096565	0.899174	0.758392	0.236949	-0.06676	NA
ATSG49301	ATSG49301	1.188904	0	0	0	1.324935	0.996841	1.778607	0	0.31556	0.976246	0	1.035907	0.096565	0.899174	0.758392	0.236949	-0.06676	NA
ATSG49310	IMPAS	1.188904	0	0	0.824831	0	0	1.778607	0	0	0	0	2.660668	-0.0696	NA	0.07412	NA	0.151536	NA
ATSG49320	ATSG49320	9.511232	7.136984	3.862963	3.71174	10.59948	1.993682	3.557214	5.39445	2.928738	9.595356	10.64267	4.143626	-0.21898	0.763728	-0.53791	0.446685	0.176501	NA
ATSG49330	MYB111	14.26685	16.05821	14.1642	16.08421	21.86142	18.93997	14.22886	10.7889	10.73871	12.47396	19.95501	12.43088	0.317874	0.503157	-0.25892	0.639417	-0.00537	NA
ATSG49334	ATSG49334	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG49340	TBL4	0	0	0	0	0	0	0	0	0	1.919071	0	0	0	NA	0	NA	0.256851	NA
ATSG49350	ATSG49350	0	1.784246	0	0.412416	1.987402	1.993682	0	0	0.976246	0	0	1.035907	0.444776	NA	-0.11351	NA	-0.08755	NA
ATSG49360	BX11	2552.577	2551.472	2002.303	1369.632	1232.189	1789.329	1574.067	2103.835	1561.017	1966.089	2329.415	1843.914	-0.6792	0.000254	-0.42955	0.032179	-0.20621	0.550696
ATSG49370	ATSG49370	1.188904	1.784246	3.862963	2.474493	0.662467	0	1.778607	4.31556	1.952492	2.878607	6.65167	4.143626	-0.45951	0.534596	0.104473	0.905872	0.56472	NA
ATSG49380	ATSG49380	10.70014	16.01582	3.862963	2.474493	3.974804	3.987363	8.003731	2.15778	2.928738	12.47396	11.97301	10.35907	-1.14715	0.041748	-0.83992	0.176238	0.	

ATSG49800	ATSG49800	27.34479	24.97944	54.08148	21.44561	17.88662	29.90522	11.56095	16.18335	18.54867	36.46235	26.60668	35.22082	-0.59943	0.120973	-1.0891	0.005826	-0.10658	0.903463
ATSG49810	MMT1	70.6872	576.3115	593.6087	483.7635	517.3869	552.2498	568.2649	585.8372	454.9302	639.0507	643.8816	529.3482	-0.29896	0.076818	-0.24681	0.17551	-0.07861	0.828997
ATSG49820	RUS6	268.6923	244.4417	272.9827	211.1568	191.453	199.3682	234.7761	219.0147	203.0596	232.2076	222.1658	264.1562	-0.38054	0.012139	-0.25847	0.126016	-0.12932	0.66183
ATSG49830	EXO84B	505.2842	517.4313	466.1309	375.7106	396.1554	401.7268	390.4042	424.0037	409.0471	426.0338	381.8058	387.429	-0.34093	0.005048	-0.27952	0.032162	-0.30942	0.074142
ATSG49840	ATSG49840	354.2934	347.9228	352.8173	287.8661	239.8132	271.1407	329.9136	368.9804	323.1374	344.4733	345.8868	449.5834	-0.39346	0.014033	-0.04661	0.082567	0.111089	0.730645
ATSG49850	JAL46	0	0	0	2.886909	1.987402	0.996841	2.66791	3.23667	0.976246	0.959536	0	0	0.94816	0.131613	0.984672	0.12556	0.132801	NA
ATSG49860	JAL47	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
ATSG49870	JAL48	0	1.784246	0	0	0	0	0	0.889303	0	0	0	0	-0.26522	NA	-0.08117	NA	-0.24296	NA
ATSG49880	MAD1	269.8812	219.4623	243.3667	178.1635	188.1407	221.2987	232.9975	225.488	173.7718	265.7914	208.8624	206.1454	-0.32448	0.099443	-0.2127	0.337747	-0.10505	0.794445
ATSG49890	CLC-C	407.7941	355.065	332.2148	298.1765	249.0877	371.8216	349.4963	376.5326	289.9451	352.1496	305.9768	335.6337	-0.25495	0.200164	-0.10788	0.649417	-0.13656	0.712038
ATSG49900	ATSG49900	85.60108	80.29107	81.12222	144.7579	147.7302	127.5956	224.9938	203.9102	194.273	84.43914	54.54369	90.12387	0.746172	0.000226	1.297798	2.22E-11	-0.0915	0.858716
ATSG49910	HSP70-7	2721.401	2144.664	2218.628	1419.122	1434.904	1556.068	1770.603	2000.262	1873.416	2354.7	2646.034	2514.145	-0.67912	1.46E-08	-0.32613	0.012904	0.082467	0.752531
ATSG49920	ATSG49920	0	0	0	1.649662	1.987402	0.996841	2.66791	3.23667	0.976246	0.959536	0	0	0.878298	0.16145	0.75243	0.253244	0.333758	NA
ATSG49930	emb1441	385.2049	346.1437	339.9407	287.4537	270.9491	260.1754	321.0386	360.3492	299.7075	309.93	321.9408	360.4955	-0.38102	0.007997	-0.12898	0.462188	-0.11094	0.699093
ATSG49940	NIFU2	551.6514	645.8971	677.3062	724.2017	760.5124	628.0097	1002.245	927.8453	1155.875	781.062	866.0474	874.3051	0.173707	0.282524	0.711098	3.17E-07	0.422364	0.026611
ATSG49945	ATSG49945	212.8138	189.1301	150.6556	154.6558	177.5412	168.4661	160.0746	148.8868	190.368	167.9187	175.6041	138.8115	-0.14264	0.52386	-0.14208	0.554483	-0.19467	0.591092
ATSG49950	ATSG49950	164.0687	153.4452	164.8198	248.6866	198.0777	233.2607	218.7687	196.358	133.7457	162.1615	183.5861	161.6014	0.481693	0.019558	0.179411	0.477811	0.064948	0.895329
ATSG49960	ATSG49960	159.3131	165.9349	130.0531	75.05963	84.79581	94.69987	94.26617	125.1512	66.38473	146.809	155.6491	125.3447	-0.81638	0.000353	-0.64781	0.00768	-0.08492	0.875611
ATSG49970	PPOX1	744.2539	799.3422	779.0309	550.1624	575.0216	567.2024	728.3396	703.4362	517.4104	786.8192	701.086	738.6014	-0.44998	0.001994	-0.24822	0.127393	-0.05805	0.864774
ATSG49980	AFB5	1060.502	769.011	831.8247	500.2601	489.5633	613.0571	643.8557	725.014	569.1514	750.3569	814.1644	704.6164	-0.72435	6.93E-06	-0.45245	0.00878	-0.22949	0.421549
ATSG49990	NAT5	122.4571	126.6815	101.7247	128.6737	96.72022	113.6398	113.8308	143.4924	105.4346	103.6298	83.81104	107.7343	-0.03714	0.898036	0.047852	0.876357	-0.22957	0.574525
ATSG50000	ATSG50000	644.3859	758.3046	685.0321	553.0493	546.5355	594.1171	469.5522	515.7094	513.5054	638.0912	513.5089	677.4829	-0.29661	0.038564	-0.46968	0.008869	-0.18197	0.456482
ATSG50010	BHLH145	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG50011	CpUORF37	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG50012	CpUORF36	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG50020	PAT09	298.4149	240.8732	204.737	182.7001	174.8914	204.3524	157.4067	181.2535	189.3917	236.0458	218.1748	210.289	-0.4049	0.025683	-0.48913	0.008798	-0.1618	0.636026
ATSG50030	ATSG50030	0	0	0	0	0	0	0	0.976246	0	0	0	0	0	NA	0.170848	NA	0.383711	NA
ATSG50040	ATSG50040	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG50050	ATSG50050	0	0	0	0	0	0	0	0	0	0	0	1.035907	0	NA	0	NA	0.172362	NA
ATSG50060	ATSG50060	0	0	0	0.662467	0	0	0	0.976246	0	0	1.035907	0	0.099421	NA	0.15305	NA	0.164334	NA
ATSG50070	ATSG50070	0	0	0	0	0	0	0	0	0	0.959536	0	0	0	NA	0	NA	0.171512	NA
ATSG50080	ERF110	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
ATSG50090	ATSG50090	7.133424	7.136984	11.58889	21.03319	26.49869	8.971567	13.33955	10.7889	18.54867	9.595356	15.96401	14.50269	0.948703	0.051366	0.562532	0.319735	0.468903	0.515769
ATSG50100	ATSG50100	227.0807	274.7739	285.8593	238.7886	208.0147	151.5198	218.7687	158.5968	241.3287	267.7104	388.4575	335.6337	-0.37165	0.123205	-0.32379	0.197684	0.320642	0.400671
ATSG50110	ATSG50110	64.20081	53.52738	60.51975	81.65828	74.8588	77.75358	58.69403	62.57562	80.05217	74.84378	37.24935	61.11849	0.371372	0.188565	0.157552	0.64874	-0.02714	0.971681
ATSG50111	ATSG50111	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
ATSG50115	ATSG50115	0	1.784246	0	0	0	0	0	0	0.976246	0	0	0	-0.266	NA	-0.07274	NA	-0.24323	NA
ATSG50120	ATSG50120	0	3.568492	10.30123	7.42348	7.949607	2.990522	2.66791	4.31556	2.928738	12.47396	3.991002	7.251346	0.300018	0.682232	-0.30517	0.699319	0.543389	NA
ATSG50130	ATSG50130	54.68958	49.58859	55.36914	136.922	135.8058	127.5956	142.28696	122.6891	112.2046	111.292	62.36982	74.4987	62.15439	1.275991	1.9E-10	0.147288	1.08E-07	0.281901
ATSG50136	ATSG50136	0	0	0	0	0	0	0	0	1.0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG50140	ATSG50140	0	0	0	0.824831	0	0	1.778607	1.07889	0	0	0	1.035907	0.138793	NA	0.450628	NA	0.165314	NA
ATSG50150	ATSG50150	223.5139	132.0342	145.5049	113.8267	70.22153	90.71251	103.1592	86.3112	90.79088	157.3638	147.6671	159.5296	-0.83359	0.000453	-0.81236	0.000998	-0.1134	0.83622
ATSG50160	FR08	865.5221	871.4998	857.5778	829.7807	862.5324	955.9703	1340.18	1132.834	951.8397	703.3396	709.068	800.7557	-0.07598	0.683575	0.444036	0.003631	-0.17691	0.515769
ATSG50170	ATSG50170	115.3237	98.13333	108.363	171.34789	62.27192	59.81045	103.1592	61.31347	115.1443	85.14137	109.8061	0	-0.70141	0.002908	-0.15607	0.602615	-0.048	0.936751
ATSG50175	ATSG50175	0	0	0	0	0	0	0	0	0	1.919071	0	0	0	NA	0	NA	0.256851	NA
ATSG50180	ATSG50180	451.7835	449.63	477.7198	440.0474	469.0268	411.6952	469.5522	449.8971	347.5436	397.2477	473.5989	443.368	-0.06029	0.755032	-0.12084	0.522798	-0.07157	0.836577
ATSG50190	ATSG50190	1.188904	0	0	0	0.662467	0.996841	2.66791	3.23667	0	0	1.330334	0	0.057614	NA	-0.24354	NA	-0.01082	NA
ATSG50200	NRT3.1	49.93397	66.0171	43.78025	430.1494	407.4174	293.0712	284.5771	260.0125	328.9949	29.7456	38.57969	43.50807	2.745466	5.65E-36	2.3755	1.27E-26	-0.46854	0.28843
ATSG50210	QS	558.7849	392.5341	396.5975	177.7511	166.2793	175.444	233.8868	228.7247	150.3419	364.6235	355.1992	347.0287	-1.34349	4.39E-13	-1.11096	4.9E-09	-0.33257	0.2897
ATSG50220	ATSG50220	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG50230	ATSG50230	164.0687	206.9725	182.8469	199.6091	178.2037	197.3745	191.2002	201.7524	174.748	189.9881	159.6401	177.14	0.063837	0.761681	0.043781	0.852916	-0.05614	0.889101
ATSG50240	PIMT2	19.02246	41.03766	29.61605	21.85803	24.51129	18.93997	31.12562	48.55005	60.03759	60.45074	41.24035	33.14901	-0.38004	0.34261	0.386664	0.351748	0.58155	0.30077
ATSG50250	CP1B	672.9196	815.4004	802.2087	626.8717	653.1927	701.7759	763.2428	817.7986	794.6672	933.6282	1042.982	772.7863	-0.20592	0.190839	-0.05319	0.786986	0.260446	0.251643
ATSG50260	CEP1	1.188904	1.784246	5.150617	20.20836	13.91181	25.91786	20.45398	26.97225	7.809968	5.757214	0	3.10772	1.994916	0.000199	1.883424	0.000649	0.043535	NA
ATSG50270	ATSG50270	0	0	0	0.824831	0.662467	0.996841	0.889303	0	0	0	0	0	0.487706	NA	0.166769	NA	0	NA
ATSG50280	EMB1006	211.6249	212.3253	213.7506	116.3012	90.09555	126.5988	161.8532	187.7268	120.0783	204.3811	231.4781	202.0018	-0.91762	1.91E-06	-0.43158	0.044171		

ATSG50680	SAE1B-1	173.58	237.3047	217.6136	282.0923	299.4352	321.9796	315.7027	293.4581	287.9926	196.7048	235.4691	226.8635	0.520454	0.001086	0.51563	0.001754	0.073242	0.849275
ATSG50690	HS4	1.188904	0	0	2.062078	2.649869	1.993682	1.778607	1.07889	1.952497	0.995936	0	1.035907	0.798711	0.228723	0.518372	0.477898	0.096392	NA
ATSG50700	HS1	0	0	1.287654	4.124156	7.28714	4.984204	5.575214	1.07889	2.928738	0.995936	0	0	1.569121	0.01191	0.802245	0.257771	-0.12199	NA
ATSG50710	ATSG50710	1.188904	0	0	0	0.662467	0	0.889303	0	2.928738	0.995936	0	0	-0.15238	NA	0.379396	NA	-0.05106	NA
ATSG50715	ATSG50715	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
ATSG50717	MIR4058	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG50720	HVA2ZE	21.40027	23.1952	28.3284	16.90904	21.19895	11.96209	17.78607	14.02557	19.52492	23.02886	18.62468	32.1131	-0.46731	0.256448	-0.44857	0.320479	0.02844	0.979501
ATSG50740	ATSG50740	382.8271	355.065	359.2556	216.9306	202.0525	209.3366	146.7351	122.9935	288.9668	381.8952	383.1362	391.5727	-0.77173	0.001587	-0.93272	0.000416	0.072977	0.900456
ATSG50750	RG4	0	0	0	0.824831	0.662467	0	0.889303	0	0.976246	0.995936	0	0	0.297723	NA	0.333844	NA	0.173449	NA
ATSG50760	ATSG50760	0	1.784246	5.150617	22.27044	23.84882	33.89259	26.6791	18.34113	21.47741	1.919071	3.991002	1.035907	2.58958	1.18E-07	2.355216	2.8E-06	-0.10853	NA
ATSG50770	HS6	0	0	0	0	0.996841	0	0	0	0	0	0	0	0.134822	NA	0	NA	0.152581	NA
ATSG50780	ATSG50780	153.3686	146.3082	146.7926	118.7757	115.2693	111.6462	160.9639	154.2813	142.5319	115.1443	131.7031	102.5547	-0.35909	0.047038	0.034906	0.889016	-0.35525	0.203688
ATSG50790	SWEET10	49.93397	21.41095	10.30123	0.824831	2.649869	3.987363	4.446517	7.55223	0	33.58375	11.97301	36.25673	-2.45636	5.62E-06	-1.98434	0.000392	0.013732	NA
ATSG50800	SWEET13	58.25629	69.5856	63.09506	30.51875	21.19895	24.92102	4.446517	4.31556	4.88123	68.12703	70.5077	62.15439	-1.21855	6.74E-06	-3.23048	2.68E-19	0.081887	0.898539
ATSG50801	ATSG50801	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG50805	ATSG50805	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG50810	TIM8	115.3237	78.50683	87.5605	145.1703	167.0042	110.6493	93.37687	71.20674	190.368	93.07496	85.14137	111.8779	0.546951	0.102371	0.305425	0.428007	0.035369	0.968434
ATSG50820	anac097	7.133424	0	9.01358	4.536571	5.962205	3.987363	5.335821	0	5.875476	8.635821	2.660668	13.46678	-0.14991	0.848297	-0.35609	0.647524	0.392022	NA
ATSG50830	ATSG50830	0	0	0	0	0.996841	0	0	0	0	0	0	0	0.15625	NA	0	NA	0	NA
ATSG50840	ATSG50840	221.1361	262.2842	266.5444	341.8925	471.6767	444.591	446.4303	345.2448	373.9022	326.2421	304.6465	274.5152	0.728867	3.42E-05	0.626503	0.000606	0.268364	0.387801
ATSG50850	PDH2	1426.685	1466.65	1476.94	1438.506	1613.77	1434.544	1443.34	1437.081	1371.626	1485.361	1492.635	1351.858	0.038175	0.77067	-0.039	0.78029	-0.01345	0.961547
ATSG50860	ATSG50860	204.4915	239.089	226.6272	221.4672	210.6646	215.3176	245.4476	267.5647	326.2515	213.0169	187.5771	218.5763	-0.04158	0.831973	0.163409	0.362684	-0.10176	0.750463
ATSG50870	UBC27	275.8257	306.8903	307.7494	461.0806	489.5633	393.7521	425.9764	368.9804	486.1705	327.2016	296.6645	351.1723	0.590285	0.000156	0.518997	0.001413	0.132889	0.680764
ATSG50880	ATSG50880	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0.172362	NA
ATSG50890	ATSG50890	72.52314	55.31163	64.38272	41.65397	43.06037	44.85784	32.01493	26.97225	31.23987	64.28889	86.47171	72.51346	-0.56431	0.027781	-1.0427	0.0001	0.187116	0.707595
ATSG50900	ATSG50900	323.3819	248.0102	235.6407	118.3633	138.4557	184.4155	154.7388	215.778	224.5366	210.1383	196.8894	217.5404	-0.86207	4.56E-05	-0.43156	0.066871	-0.36035	0.30524
ATSG50910	ATSG50910	0	0	0	0	0	0.996841	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG50915	BHLH137	178.3356	140.9554	126.1901	77.94654	74.19633	47.84836	63.14055	47.47116	90.79088	144.8899	231.4781	147.0987	-1.07823	9.23E-05	-1.07994	0.000147	0.213789	0.698852
ATSG50920	CLP1C	157.1612	14825.3	12612.57	7421.006	6280.19	8647.594	10819.27	13078.3	10988.62	13105.34	13053.24	13492.68	-0.93572	2.58E-11	-0.30242	0.059899	-0.12033	0.681825
ATSG50930	ATSG50930	13.07794	17.136984	11.58889	15.61719	9.937009	4.984204	11.56095	14.02557	5.875476	18.23118	27.93701	16.5745	-0.01905	0.977121	-0.05071	0.942899	0.71816	NA
ATSG50940	ATSG50940	17.83356	16.05821	18.02716	11.96005	13.24935	7.974726	12.45025	12.94668	14.64369	38.38143	43.90102	18.64632	-0.54486	0.235554	-0.33159	0.530476	0.849828	0.157287
ATSG50950	FUM2	4993.397	6048.594	5723.624	968.7642	1046.698	1255.023	2353.986	2122.177	1882.202	8398.815	9212.563	6807.978	-2.31867	1.4E-55	-1.37435	4.55E-20	0.533681	0.007677
ATSG50960	NBP35	433.9499	458.5512	475.1445	517.994	576.3465	539.2909	514.0174	594.4684	615.035	450.0222	452.3135	413.3267	0.253408	0.058888	0.32967	0.014703	-0.05533	0.856007
ATSG50970	ATSG50970	158.1242	169.5034	191.8605	191.7732	176.8788	199.3682	195.6468	161.8335	112.2683	174.6325	162.3007	177.1361	-0.124173	0.164669	-0.13901	0.593556	-0.01297	0.983524
ATSG50990	PCMP-H59	29.7226	42.8219	30.9037	21.85803	16.56168	27.91154	19.56468	22.65669	23.4299	38.38143	23.94601	26.93357	-0.59109	0.098538	-0.58246	0.134313	-0.15896	0.838414
ATSG50995	ATSG50995	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG51000	ATSG51000	1.188904	0	0	0	0.662467	0	0	0	0	0	0	0	-0.07436	NA	-0.18968	NA	-0.18606	NA
ATSG51010	ATSG51010	191.4135	206.9725	190.5728	219.4051	222.589	146.5356	275.6841	237.3558	371.9497	227.4099	307.3071	318.0233	0.008621	0.978437	0.57	0.0164	0.515144	0.120128
ATSG51020	CR1	457.728	529.9211	553.6914	392.2072	362.3696	332.9448	470.4415	433.7138	415.8808	558.4497	613.284	561.4613	-0.48903	0.00023	-0.21791	0.153386	0.168005	0.481893
ATSG51030	ATSG51030	4.755616	1.784246	1.287654	1.649662	0	0.996841	3.557214	1.07889	2.928738	5.757214	3.991002	8.278252	-0.74976	0.287728	-0.04137	0.961111	0.767111	NA
ATSG51040	SDHAF2	214.0027	219.4623	248.5173	433.4488	505.4625	424.6542	462.1754	421.846	540.8403	263.8723	219.2802	274.5152	0.977841	7.61E-09	0.950564	3.03E-08	0.317865	0.274712
ATSG51050	ATSG51050	89.1678	90.99655	108.163	104.3411	97.38269	109.6525	102.2699	90.62675	91.76712	78.68192	99.77505	102.5547	0.102303	0.683575	-0.01842	0.95125	-0.0449	0.933785
ATSG51055	ATSG51055	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG51060	RBOHC	2.377808	0	0	3.299325	3.312336	0	4.446517	4.31556	0.976246	4.797678	2.660668	2.071813	0.487733	0.504908	0.729513	0.314224	0.175911	NA
ATSG51070	CLP1D	151.0197	1536.236	1304.394	1276.426	1181.179	1709.582	2239.266	2590.415	1805.079	1111.142	1168.033	1190.257	-0.06262	0.78526	0.596312	0.000779	-0.31973	0.253385
ATSG51080	ATSG51080	54.68958	42.8219	56.65679	41.65397	58.95959	50.83888	46.24378	43.1556	49.78855	45.09817	53.21336	54.90305	-0.05181	0.6853794	-0.1531	0.665606	-0.02695	0.972024
ATSG51090	ATSG51090	0	0	1.287654	1.649662	1.324935	0	1.778607	0	4.31556	0.976246	0	0	0.299793	0.668591	0.760174	0.23832	-0.28136	NA
ATSG51100	FSD2	140.2907	117.7602	145.5049	244.15	229.8761	235.2544	190.3109	210.3835	289.9451	166.9592	151.6581	160.5655	0.785925	2.93E-05	0.746041	0.000119	0.234013	0.518301
ATSG51105	ATSG51105	0	1.784246	0	0	0	0	1.778607	0	0.976246	0	0	0	-0.3977	NA	0.22015	NA	-0.07516	NA
ATSG51110	ATSG51110	1928.402	1891.301	1837.483	1110.223	1186.479	949.9893	1348.184	1409.03	1964.207	2292.331	2318.772	1828.375	-0.78436	2.22E-06	-0.25582	0.18913	0.183082	0.561641
ATSG51120	PABN1	247.292	248.0102	272.9827	354.6774	359.7197	338.9259	298.806	318.2725	348.5198	263.8723	214.1838	260.0125	0.449509	0.001779	0.32292	0.040051	-0.05247	0.881708
ATSG51130	ATSG51130	49.93397	58.88012	54.08148	69.28582	96.05775	95.69671	102.2699	61.49673	72.2422	83.47996	57.20436	56.97486	0.639493	0.024008	0.515763	0.093366	0.276305	0.60677
ATSG51140	ATSG51140	353.1045	506.7259	455.8296	422.3135	414.7045	417.6763	470.4415	520.025	382.6884	497.999	541.4459	457.8700	-0.065181	0.770882	0.065877	0.77826	-0.187452	0.546902
ATSG51150	ATSG51150	286.5259	289.0479	311.6124	227.241	237.1633	232.2639	249.8943	247.0658	205.0117	255.2365	283.3611	256.9048	-0.346	0.018294	-0.33382	0.032259	-0.15918	0.554396
ATSG51160	ATSG51160	2.377808	1.784246	0	2.474493														

ATSG51640	YLS7	134.3461	153.4452	119.7519	204.9705	172.2415	200.365	192.0896	185.5691	127.8882	88.27728	113.0784	104.6266	0.497804	0.018332	0.30957	0.195013	-0.39912	0.244111
ATSG51650	ATSG51650	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
ATSG51660	CP5F160	411.3608	340.791	336.0778	237.5514	196.0903	278.1186	318.3706	310.7203	202.0829	372.2998	329.9228	342.8851	-0.6026	0.002917	-0.38022	0.087207	-0.05763	0.906099
ATSG51670	ATSG51670	82.03437	64.23286	64.38272	24.74493	15.23675	24.92102	12.45025	19.42002	27.33489	58.53167	59.86503	51.79533	-1.59864	2.96E-08	-1.71492	2.24E-08	-0.29854	0.582115
ATSG51680	ATSG51680	1.188904	0	1.287654	2.474493	2.649869	3.987363	0	0	0.976246	0.995936	1.330334	1.035907	0.847429	0.203523	-0.34626	0.650796	0.08006	NA
ATSG51690	ACS12	115.3237	94.56504	108.163	52.78919	41.07297	69.77885	87.15174	108.9679	34.16861	109.3871	103.766	88.05205	-0.90311	0.005748	-0.43793	0.240373	-0.076	0.92594
ATSG51700	RAR1	110.5681	105.2705	131.3407	236.3141	230.5386	175.444	177.8607	137.019	164.8856	154.4448	137.0244	117.0574	0.867246	1.19E-05	0.450198	0.004969	0.226218	0.563955
ATSG51710	KEA5	154.5575	133.8185	130.0531	185.587	184.8284	223.2923	263.2338	175.8591	129.8401	151.4517	142.3457	158.4937	0.478549	0.05507	0.426143	0.109264	0.072866	0.906929
ATSG51720	NEET	373.3158	431.7875	457.1173	512.6326	478.3014	331.948	278.352	318.2725	624.7974	747.4783	650.5333	552.1382	0.067373	0.851445	-0.04475	0.90839	0.597156	0.134409
ATSG51730	ATSG51730	186.6579	167.7191	166.1074	212.394	205.3649	180.4282	219.658	192.0424	244.0615	251.3983	242.1208	246.5458	0.201115	0.262607	0.325274	0.069516	0.495982	0.020287
ATSG51740	ATSG51740	74.90095	103.4863	81.12222	117.9509	119.2441	116.6304	118.2774	102.4945	95.67211	79.64146	77.15937	72.51346	0.455796	0.02845	0.299537	0.207822	-0.15414	0.727437
ATSG51750	ATSBT1.3	613.4744	587.0169	513.7741	308.0744	337.8583	353.8785	337.046	359.2703	244.0615	606.4265	670.4883	529.3482	-0.76581	3.66E-06	-0.84938	3.78E-07	0.073037	0.852699
ATSG51760	AHG1	0	0	0.412416	0	0.996841	0.889303	0	0	0.995936	0	1.035907	0	0.237622	NA	0.158194	NA	0.366147	NA
ATSG51770	ATSG51770	85.60108	78.50683	74.68395	114.6515	114.6068	112.643	115.6095	143.4924	173.7718	47.01725	46.56169	60.08258	0.500331	0.028017	0.827932	0.000174	-0.60646	0.076727
ATSG51780	BHLH36	2.377808	1.784246	1.287654	0.412416	0.662467	0.996841	0	1.07889	0.976246	1.919071	1.330334	3.10772	-0.58838	0.40194	-0.52485	0.477261	0.144591	NA
ATSG51790	BHLH120	9.511232	16.05821	33.47901	3.299325	5.299738	6.977885	3.557214	7.55223	10.73871	26.867	49.22236	39.3645	-1.60145	0.000816	-1.16575	0.022966	0.850342	0.223091
ATSG51795	ATSG51795	35.66712	37.46917	43.78025	14.84696	17.22415	18.93997	9.782338	7.55223	14.64369	26.867	43.90102	42.47217	-1.12291	0.000913	-1.66267	5.76E-06	-0.05098	0.955367
ATSG51800	ATSG51800	2.377808	5.327388	1.287654	0.412416	2.649869	0.996841	0.889303	0	0.976246	0	1.035907	0	-0.4915	0.494028	-0.82673	0.226248	-0.96419	NA
ATSG51810	GA200X2	9.511232	1.784246	9.01358	4.124156	4.637271	6.977885	8.893035	6.47334	5.857476	2.878607	1.330334	4.143626	-0.35442	0.595835	0.014237	0.985876	-0.86525	NA
ATSG51812	ATSG51812	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0.172362	NA
ATSG51820	PGMP	1005.813	1186.524	1008.233	781.9399	751.2379	863.2641	1376.642	1477	1194.925	1391.327	1509.929	1165.395	-0.41107	0.005596	0.336322	0.030502	0.34189	0.104598
ATSG51830	ATSG51830	104.6235	82.07532	110.7833	179.4008	181.516	187.4061	147.6244	159.6757	207.9404	68.12703	107.7571	109.8061	0.841077	0.00012	0.757376	0.000936	-0.07682	0.89034
ATSG51840	ATSG51840	247.292	285.4794	257.5309	327.0456	312.0221	334.9385	273.9055	236.2769	347.5436	341.5947	308.6375	269.3357	0.299017	0.105905	0.120987	0.588631	0.218782	0.484078
ATSG51845	ATSG51845	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG51850	ATSG51850	86.78999	69.5856	81.12222	29.28151	32.4609	29.90522	23.12189	30.20892	16.59618	67.16749	87.80204	89.08796	-1.32186	1.34E-07	-1.67905	6.15E-10	0.025909	0.97086
ATSG51860	ATSG51860	0	0	0	0.412416	0	0	0	1.07889	0	0.995936	1.330334	0	0.056163	NA	0.177557	NA	0.379724	NA
ATSG51870	AGL71	1.188904	0	0	0.824831	0	0.996841	0	0	0.976246	0	0	3.10772	0.069605	NA	-0.06294	NA	0.259649	NA
ATSG51880	ATSG51880	178.3356	217.678	206.0247	336.5311	296.1229	255.1912	264.1231	230.8824	290.9213	210.1383	214.1838	246.5458	0.563237	0.001148	0.383481	0.043502	0.159107	0.64507
ATSG51890	PER66	117.7015	110.6233	105.5877	77.12171	64.25933	63.79781	48.02239	58.26006	48.8123	131.4564	123.7211	98.41112	-0.66805	0.001661	-0.10762	1.23E-06	0.079732	0.872888
ATSG51900	ATSG51900	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG51910	TCP19	40.42273	41.03766	27.04074	74.42739	33.78583	37.87995	32.90423	32.3667	67.36097	41.26003	35.91902	38.32854	0.140947	0.742184	0.273713	0.1515637	0.092304	0.913891
ATSG51920	ATSG51920	5.94452	7.136984	5.150617	4.722438	7.28714	7.974726	5.335821	6.47334	6.833722	3.881143	6.65167	8.287252	0.257657	0.693142	0.030184	0.969093	0.03224	NA
ATSG51930	ATSG51930	0	0	1.287654	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
ATSG51940	NRPB6A	185.469	228.3835	199.5864	442.5219	445.8405	345.9038	333.4888	351.7181	446.1444	264.8318	331.2532	289.0179	0.996782	1.13E-08	0.868455	1.26E-06	0.918358	0.038951
ATSG51950	ATSG51950	8.322328	14.27397	1.287654	3.299325	3.974804	2.990522	3.557214	3.23667	0.976246	18.23118	9.312338	7.251346	-0.79617	0.204349	-0.99137	0.128131	0.495433	NA
ATSG51960	ATSG51960	122.4571	142.7397	154.5185	179.4008	206.0273	163.4819	153.8495	114.3623	225.5128	190.9476	301.9858	164.7091	0.3701	0.21404	0.224413	0.507251	0.610878	0.124756
ATSG51970	SDH	1067.636	1218.64	1115.109	847.1016	861.2075	831.3652	1299.272	1579.495	1808.008	1129.373	796.87	1062.874	-0.41261	0.014926	-0.455097	0.00772	-0.17996	0.556808
ATSG51980	ZFWD2	148.6133	128.4657	187.9975	177.7511	147.7302	170.4598	176.8821	143.4924	124.9595	145.8494	148.9974	139.8474	0.083376	0.741069	-0.0695	0.803773	-0.10454	0.815889
ATSG51990	DREB1D	0	0	0	0.824831	0	0.987363	1.778607	0.65846	3.23667	1.924992	0.995936	0	0.36546	0.295795	0.940876	0.128077	-0.134873	NA
ATSG52000	IMPA8	0	0	2.575309	0.824831	0.662467	0.996841	1.778607	2.15778	0	2.878607	0	2.071813	-0.07647	0.925249	0.162855	0.841301	0.322594	NA
ATSG52010	ATSG52010	275.8257	265.8527	254.9556	177.3387	158.9921	183.4187	182.3072	211.4624	266.5152	236.0458	224.8264	210.2189	-0.60625	0.000535	-0.26707	0.172587	-0.24222	0.415849
ATSG52020	ERF025	4.755616	3.568492	2.575309	1.649662	1.324935	0.996841	1.778607	1.07889	2.928738	0.995936	1.330334	2.071813	-0.76736	0.266764	-0.50277	0.513324	-0.69413	NA
ATSG52030	ATSG52030	158.1242	149.8767	137.779	113.4143	111.2945	108.6556	108.495	115.4412	120.0783	147.7685	151.6581	136.7397	-0.4084	0.019746	-0.3679	0.05334	-0.03297	0.942666
ATSG52040	RS41	716.9091	754.7361	703.0593	700.6941	541.2358	751.6179	571.8221	643.3552	751.7094	642.8889	671.8187	630.8671	-0.12381	0.156769	-0.07222	0.379702	-0.15747	0.604655
ATSG52050	ATSG52050	4.755616	14.27397	11.58889	23.09527	20.53649	54.82624	56.02612	62.57562	75.17094	9.595356	9.312338	13.46678	1.40614	0.001179	2.334783	1.56E-08	0.081079	0.948624
ATSG52055	ATSG52055	1.188904	0	0	0	0	0	0	0	0.995936	0	0	0	-0.19179	NA	-0.17179	NA	-0.02864	NA
ATSG52060	BAG1	778.7321	840.3799	887.1938	494.0739	535.2736	504.4014	457.102	431.556	488.123	906.7612	1110.829	911.5977	-0.70055	1.58E-08	-0.85315	8.52E-12	0.220972	0.28571
ATSG52065	ATSG52065	0	1.784246	0	0.412416	0	0	0.889303	0	0.976246	0	0	0	-0.20148	NA	0.084883	NA	-0.28022	NA
ATSG52067	ATSG52067	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG52070	ATSG52070	67.76752	80.29107	90.1358	169.0904	174.8914	164.4787	154.7388	142.4135	164.0093	77.72239	63.85603	98.41112	1.069188	4.05E-08	0.929973	4.49E-06	0.023004	0.970744
ATSG52080	ATSG52080	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG52090	ATSG52090	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0.172362	NA
ATSG52100	DAPB3	351.9156	433.5718	400.4605	289.5157	239.1507	283.1028	347.7177	394.8737	246.9902	461.5366	482.9112	430.9371	-0.53107	0.004221	-0.25294	0.23474	0.211871	0.524396
ATSG52110	HCZF08	104.6235	89.2123	105.5877	109.7025	92.08295	98.68724	93.37687	97.100										

ATSG53470	ACBP1	146.2352	153.4452	167.3951	172.8021	165.6168	153.5135	152.9602	171.5435	191.3442	132.4159	143.6761	175.0682	0.079014	0.729461	0.138773	0.543054	-0.04857	0.916471
ATSG53480	KPNB1	1217.438	934.9449	793.1951	487.8876	411.3922	519.354	561.1505	662.4384	447.1207	645.7675	641.221	734.4577	-1.02963	2.93E-08	-0.7992	2.99E-05	-0.53027	0.043197
ATSG53486	ATSG53486	54.68958	41.03766	37.34198	42.4788	42.39791	30.90206	43.57587	32.3667	36.1211	87.31774	62.5257	76.65708	-0.18065	0.597466	-0.23826	0.510563	0.730149	0.056462
ATSG53487	ATSG53487	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	0
ATSG53490	ATSG53490	1343.461	1595.116	1599.267	1094.139	1143.419	885.1946	1558.06	1364.796	1977.874	1615.858	1983.528	2202.337	-0.52544	0.004039	0.109386	0.846087	0.347197	0.214384
ATSG53500	ATSG53500	705.02	458.1505	578.1568	238.7886	231.2011	298.0554	269.459	286.9847	246.014	615.0623	585.3469	629.8312	-1.34706	7.85E-23	-0.137239	0.522205	-0.52177	0.733866
ATSG53510	OPT9	2.377808	1.784246	1.287654	0	0.662467	0	0.889303	0	0	7.672651	1.330334	5.179533	-0.88689	0.178679	-0.70727	0.314073	0.863213	NA
ATSG53520	OPT8	0	0	0	0	0	0	1.778607	1.07889	0	1.919071	0	0	0	NA	0.485986	NA	0.508116	NA
ATSG53530	VPS26A	204.4915	214.1095	238.2161	357.1519	345.1454	315.0017	337.046	241.6713	347.5436	252.3579	226.1568	268.2998	0.621262	0.000301	0.487671	0.007616	0.183205	0.584791
ATSG53540	ATSG53540	273.4479	314.0273	288.4346	395.5065	374.294	349.8911	360.1679	332.2981	345.5911	277.3058	300.6555	310.772	0.360781	0.007993	0.248636	0.099822	0.024817	0.946861
ATSG53550	YSL3	495.7729	458.5512	417.2	929.9971	787.0111	1069.61	530.0249	554.5494	427.5957	317.6063	275.3791	353.2441	1.002219	4.79E-10	0.137239	0.522205	-0.52177	0.022797
ATSG53560	CYT8E	991.5459	1059.842	1219.409	1922.681	1972.828	1615.879	1921.785	1452.186	2273.677	1253.154	1227.898	1429.551	0.737844	1.67E-05	0.771933	7.25E-06	0.252374	0.401914
ATSG53570	ATSG53570	340.0265	290.8321	242.079	300.651	329.9087	403.7205	353.9428	348.4815	312.3987	236.0458	307.3071	223.7558	0.231727	0.270492	0.231095	0.350775	-0.18844	0.602511
ATSG53580	PLR1	526.6844	636.9758	527.9383	452.4199	454.4525	426.6479	600.2799	553.4705	564.2702	505.6753	532.1336	649.5134	-0.33233	0.022661	0.027443	0.891885	0.001733	0.996482
ATSG53588	CPuORF50	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG53590	ATSG53590	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG53592	ATSG53592	16.64466	19.62671	28.3284	14.02213	15.23675	15.94945	14.22886	18.34113	17.57243	28.78607	53.21336	35.22082	-0.48016	0.25245	-0.33402	0.484673	0.770186	0.162167
ATSG53600	ATSG53600	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0	NA	0.172362	NA
ATSG53610	ATSG53610	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG53620	ATSG53620	781.1099	640.5443	650.2654	515.9319	460.4148	600.0981	609.1729	582.6006	359.2585	741.721	852.7441	682.6624	-0.38653	0.072244	-0.40725	0.066773	0.130395	0.75998
ATSG53635	ATSG53635	0	0	0	0	0	0	0.889303	0	0	0	1.330334	0	0	NA	0.141773	NA	0.183636	NA
ATSG53640	ATSG53640	0	1.784246	0	0	0	0	0.889303	0	0	0	0	0	-0.26522	NA	-0.08117	NA	-0.24296	NA
ATSG53650	ATSG53650	63.01191	57.09587	52.79383	125.7868	148.3927	88.71883	101.3806	74.44341	202.0829	57.57214	78.4897	113.9497	0.978276	0.005304	1.027681	0.004029	0.477729	0.433665
ATSG53660	GRF7	16.64466	16.05821	25.75309	12.78488	13.24935	10.96525	7.114428	10.7889	7.809968	26.867	13.30334	14.50269	-0.57134	0.212827	-0.10885	0.031289	-0.06884	NA
ATSG53670	ATSG53670	0	0	0	0	0.662467	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
ATSG53680	ATSG53680	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
ATSG53690	ATSG53690	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG53700	ATSG53700	3.566712	0	1.287654	1.237247	0.662467	2.990522	0.889303	2.15778	0.976246	0	0	0	-0.0361	0.965652	-0.14653	0.860316	-0.82614	NA
ATSG53710	ATSG53710	0	1.784246	0	0.824831	1.987402	1.993682	0.889303	0	3.904984	0.995936	0	0	0.456758	0.498563	0.460107	0.508523	-0.10642	NA
ATSG53720	ATSG53720	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG53730	ATSG53730	39.23383	26.76369	27.04074	54.43886	62.27192	46.85152	54.24751	77.68008	78.09968	29.7456	33.25835	32.1131	0.753466	0.011132	1.083899	0.000207	0.003128	0.997083
ATSG53740	ATSG53740	0	0	0	0.824831	0.662467	0	0.889303	1.07889	1.952492	0	0	0	0.310408	NA	0.685287	NA	0.130395	0.75998
ATSG53742	ATSG53742	0	0	1.287654	0.824831	1.324935	0.996841	0.889303	0	5.928738	0	0	0	0.306604	NA	0.394799	NA	-0.27544	NA
ATSG53750	ATSG53750	30.9115	30.33218	48.93086	25.56977	28.48609	34.88043	49.80093	42.07671	59.55110	62.36982	63.85603	43.50807	-0.422885	0.347656	0.422285	0.227912	0.507793	0.227791
ATSG53760	MLO11	142.6685	87.42806	123.6148	84.13278	86.12075	98.68724	92.48756	91.70564	69.31347	128.5778	175.6041	142.9551	-0.40741	0.087534	-0.47996	0.054467	0.304601	0.431857
ATSG53770	ATSG53770	105.8125	119.5445	92.71111	138.5716	114.6068	106.662	119.1667	130.5457	133.7457	99.79171	93.12338	102.5547	0.198051	0.379919	0.270856	0.241873	-0.09105	0.849275
ATSG53775	ATSG53775	0	0	0	0	0.662467	0	0.889303	0	0	0	0	0	0.075064	NA	0.126218	NA	0.425649	NA
ATSG53780	ATSG53780	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG53790	ATSG53790	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
ATSG53800	ATSG53800	278.2035	306.8903	272.9827	306.8372	364.357	275.1281	274.7948	302.0892	542.7928	248.5197	252.7635	238.2585	0.1392	0.625775	0.371369	0.163011	-0.20489	0.657308
ATSG53810	ATSG53810	9.511232	8.92123	10.30123	11.54764	15.89921	18.93997	18.67537	14.02557	9.76246	15.35257	7.982004	15.5386	0.536919	0.289764	0.461273	0.407817	-0.368853	NA
ATSG53815	ATSG53815	17.83356	16.05821	15.45185	18.5587	20.53649	21.9305	16.89677	10.7889	28.31113	20.15025	21.28534	43.50807	0.24676	0.627303	0.153827	0.79374	0.68655	0.310967
ATSG53820	ATSG53820	0	0	3.862963	5.773818	3.974804	5.981045	2.66791	5.39445	10.73871	6.716749	3.991002	5.179533	0.966969	0.132679	0.436403	0.164554	0.979623	NA
ATSG53830	VQ33	42.80054	23.1952	48.93086	49.90228	51.67245	62.80097	88.04104	69.04896	72.2422	32.62421	54.54369	46.61793	0.436403	0.164554	0.911252	0.001951	0.153802	0.818441
ATSG53840	ATSG53840	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG53850	ATSG53850	945.1786	1066.979	1044.288	766.6806	722.7518	797.4726	982.6803	963.4487	843.4765	1107.304	1267.808	981.0035	-0.4131	0.002009	-0.12884	0.428898	0.133117	0.595343
ATSG53860	emb2737	1004.6217	900.2565	1040.425	849.9885	867.8321	819.4031	1046.71	961.2909	1126.588	1039.177	1117.481	1051.445	-0.25641	0.018041	0.046059	0.748029	0.077603	0.719342
ATSG53870	ENOD11	20.21137	10.70548	16.73951	18.97112	16.56168	15.94945	22.49225	24.1978	32.04303	23.4299	19.19071	23.94601	0.07303	0.88989	0.489024	0.281827	0.142505	0.879636
ATSG53880	ATSG53880	293.6593	317.5958	307.7494	379.4223	437.2284	298.9522	424.1978	320.4303	1077.776	339.6756	534.7943	473.4093	0.243801	0.629314	0.864049	0.051385	0.481158	0.517788
ATSG53890	PSKR2	147.4424	148.0924	119.7519	84.95761	92.74542	110.6493	109.3843	154.2813	108.3633	116.1038	81.15037	124.3088	-0.51798	0.026973	-0.15427	0.595753	-0.34238	0.375703
ATSG53895	ATSG53895	1.18904	1.784246	1.287654	4.948987	3.974804	1.993682	1.778607	1.07889	8.909968	0.995936	2.660668	3.10772	0.703612	0.310409	0.631139	0.396518	0.477153	NA
ATSG53900	ATSG53900	227.0807	271.2054	265.2568	277.1433	252.4	253.1976	298.806	264.328	220.6316	254.2769	211.5231	257.9407	0.042732	0.846063	0.042716	0.858151	-0.06689	0.866401
ATSG53902	U3B	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG53905	ATSG53905	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG53910	ATSG53910	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
ATSG53920	ATSG53920	22.58917	26.76369	21.89012	44.12847	49.02258	46.85152	34.68284	46.39227	39.04984	23.02886	31.92802	27.96948	0.91997	0.002788	0.703702	0.038137	0.194642	0.783534
ATSG53930	ATSG53930	218.7583	248.0102	194.4358	179.4008	178.8662	235.2544	206.3184	227.6458	277.2539	235.0862	220.8354	205.109						

ATSG54300	ATSG54300	92.73451	117.7602	99.14938	129.4985	116.5942	120.6177	89.81965	112.2046	139.6032	107.468	107.7571	104.6266	0.25204	0.278022	0.14581	0.590723	0.056018	0.917438
ATSG54310	AGD5	815.5881	854.6538	839.5506	864.8355	868.4946	826.381	813.7127	803.773	689.2297	711.0159	734.3444	754.14	0.030412	0.834291	-0.11969	0.369914	-0.18809	0.299464
ATSG54320	ATSG54320	0	0	0	0.412416	0	0	0.889303	0	0	0	0	0	0.066991	NA	0.136991	NA	0	NA
ATSG54330	ATSG54330	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG54340	ATSG54340	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
ATSG54350	ATSG54350	0	0	0	0	0.996841	0.889303	0	0	0	1.330334	0	0	0.132565	NA	0.142566	NA	0.186757	NA
ATSG54360	ATSG54360	1.188904	0	0	0.662467	0	0	0	0	0	0	0	0	-0.07436	NA	-0.18968	NA	-0.18606	NA
ATSG54365	ATSG54365	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG54370	ATSG54370	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0	NA
ATSG54375	ATSG54375	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
ATSG54380	THE1	530.2512	454.9827	417.2	357.5643	310.6972	556.2372	438.4266	609.5728	447.1207	464.4152	528.1426	413.3267	-0.19554	0.46096	0.087405	0.777927	0.001423	0.998089
ATSG54390	AHL	1094.981	872.4963	1015.959	938.6578	781.0489	870.242	1060.05	1062.707	996.7472	1386.529	1354.28	1237.908	-0.20409	0.142243	0.060278	0.727523	0.407478	0.013079
ATSG54400	ATSG54400	4.755616	1.784246	2.575309	12.78488	12.58688	13.95577	8.003731	7.55223	6.833722	4.797678	13.30334	2.071813	1.465029	0.007608	0.788656	0.218831	0.618596	0
ATSG54410	ATSG54410	0	0	0	0.412416	0	0	0.889303	0	0	0	0	0	0.066991	NA	0.136991	NA	0	NA
ATSG54420	ATSG54420	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG54430	ATPHO532	480.3172	515.6471	515.0617	739.4611	852.5954	661.9023	627.8483	562.1017	841.524	458.658	540.1156	501.3788	0.567586	0.001022	0.419525	0.022991	-0.01109	0.983524
ATSG54440	TRS130	523.1177	458.5512	463.5556	273.0191	244.4504	3121.9796	345.4994	391.637	238.204	403.005	360.5205	401.9317	-0.77089	0.000029	-0.55681	0.004282	-0.30308	0.325972
ATSG54450	ATSG54450	0	0	0	0.412416	0	0	0.889303	0	0.676246	0	0	0	0.018186	NA	0.544107	NA	0.360591	NA
ATSG54460	ATSG54460	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
ATSG54470	ATSG54470	89.1678	108.839	112.0259	71.76031	70.22153	73.76622	31.12562	25.89336	32.21612	75.80331	105.0964	108.7702	-0.50048	0.029934	-1.69931	2.08E-12	-0.09466	0.856796
ATSG54480	ATSG54480	0	0	0	0	0	0	0	0	0	0	0	0.2071813	0	0	0	0	0.262302	0
ATSG54490	PBP1	14.26685	23.1952	14.1642	91.14384	105.9948	112.643	90.70896	121.9146	198.1779	9.595356	3.991002	16.5745	2.360387	6.01E-12	2.745331	7.68E-16	-0.57267	0.427271
ATSG54500	FQR1	454.1613	462.1197	445.5284	880.0948	796.2857	856.2862	750.5721	859.8753	1078.752	465.3748	530.8033	417.4703	0.880589	8.67E-09	0.964976	2.8E-10	0.050709	0.896855
ATSG54510	GHS.6	559.9738	333.654	488.021	400.4555	374.9565	512.3762	498.0099	489.816	336.8049	413.5599	428.3675	448.5475	-0.10693	0.692033	-0.06429	0.831868	-0.10087	0.837969
ATSG54520	ATSG54520	77.27876	37.46917	52.79383	42.4788	40.4105	49.84204	43.57587	48.55005	39.04984	42.21957	42.57069	46.61579	-0.35738	0.244721	-0.36384	0.273267	-0.35803	0.484078
ATSG54530	ATSG54530	20.21137	16.05821	16.73951	14.43455	15.8921	16.94629	15.11816	11.86779	34.16861	34.54328	34.58868	35.22082	-0.1781	0.726264	0.171006	0.753912	0.866672	0.134274
ATSG54531	ATSG54531	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG54540	ATSG54540	1745.311	1914.496	1815.593	1514.39	1927.117	1563.046	1795.504	1704.646	2175.076	1767.465	1580.437	1770.364	-0.12745	0.445607	0.051764	0.793444	-0.09483	0.750036
ATSG54550	ATSG54550	0	1.784246	0	0	0.662467	0	0	0	1.919071	0	0	0	-0.14199	NA	-0.25259	NA	0.074259	NA
ATSG54560	ATSG54560	0	0	0	0.412416	0	0	1.07889	0.976246	0	0	0	2.071813	0.041336	NA	0.328312	NA	0.340086	NA
ATSG54569	ATSG54569	8.322328	7.136984	1.287654	4.124156	9.274542	2.990522	9.782338	2.15778	12.6912	8.635821	2.660668	9.323159	-0.01904	0.981235	0.398011	0.589717	0.225818	NA
ATSG54570	BGLU41	11.88904	12.48972	14.1642	6.186234	11.26194	13.95577	17.78607	11.86779	12.6912	12.47396	9.312338	13.46678	-0.31585	0.55821	0.126765	0.841414	-0.09535	NA
ATSG54580	ATSG54580	173.58	174.8561	187.9975	192.5981	144.4179	132.5798	156.5174	187.7268	249.919	185.1904	102.4357	210.289	-0.17604	0.577368	0.139721	0.684252	-0.09535	0.878429
ATSG54585	ATSG54585	305.5483	328.3013	324.4889	91.54814	109.3071	58.81361	84.48383	67.97007	114.2208	480.7273	606.6323	384.3213	-1.79304	5.39E-15	-1.79299	5.12E-14	0.597086	0.07143
ATSG54590	CLRK1	133.1572	148.0924	136.4914	104.7536	87.44568	92.70619	103.1592	89.54786	90.79088	168.8783	146.3367	151.2424	-0.52504	0.004589	-0.53743	0.006247	0.165665	0.637544
ATSG54600	RPL24	3192.207	3607.745	3821.758	3683.283	3648.87	3195.872	3835.566	3516.102	4546.378	480.1152	5342.621	4809.714	-0.01189	0.950326	0.162064	0.306519	0.488452	0.002907
ATSG54610	ANK	423.2498	438.9245	454.542	792.2503	700.8904	720.7159	155.6281	137.019	106.4108	199.5834	155.6491	243.438	-0.07825	1.24E-05	-1.67826	4.33E-22	-1.10449	8.39E-09
ATSG54620	ATSG54620	0	1.784246	1.287654	0.824831	1.324935	0.996841	0	1.07889	0.976246	0	0	0	0.095897	NA	-0.13201	NA	-0.53097	NA
ATSG54630	ATSG54630	521.9288	629.8388	503.4728	382.3092	345.8079	351.8848	290.8022	317.1936	374.8785	479.7678	472.2686	509.666	-0.59985	2.43E-05	-0.73678	2.81E-07	-0.17122	0.518366
ATSG54640	RAT5	153.3686	151.6609	158.3815	254.8728	294.7979	161.4882	164.5211	141.3346	290.9211	138.1731	118.3997	154.3501	0.590973	0.400018	0.354493	0.288932	-0.16202	0.788881
ATSG54650	FHS	97.49012	73.15509	93.99877	61.44992	80.15854	119.6209	98.71269	103.5734	70.28971	80.60099	59.86503	81.83662	-0.04997	0.89456	0.04314	0.93877	-0.23932	0.66497
ATSG54660	HSP21.7	54.68958	57.09587	69.53333	57.32576	62.27192	56.81992	55.13682	47.47116	73.21845	67.16749	55.87403	52.83123	-0.0396	0.908112	-0.04205	0.908949	-0.03954	0.955602
ATSG54661	ATSG54661	0	1.287654	0	0	0.996841	0	1.07889	0	1.07889	0	0	1.035907	-0.08451	NA	-0.04574	NA	-0.04008	NA
ATSG54670	ATK3	129.5905	105.2705	118.4642	104.3411	119.2441	91.70935	115.6095	99.25787	80.05217	149.6876	139.6851	161.6014	-0.16159	0.502944	-0.25891	0.291386	0.33724	0.310323
ATSG54680	ILR3	801.3213	795.7377	739.1136	686.2595	813.5098	674.8612	661.6418	721.7774	7.406822	782.9811	856.7351	696.1292	-0.10121	0.524238	-0.13163	0.420502	-0.00143	0.936683
ATSG54690	GAU112	27.34479	32.11643	15.45185	15.29938	12.58688	15.94945	18.67537	15.10446	8.099968	22.06932	17.29434	23.82585	-0.67233	0.107998	-0.72207	0.108567	-0.18813	0.898801
ATSG54700	ATSG54700	0	0	0	2.474493	1.324935	4.984204	0.889303	1.07889	0	0	0	0	1.259888	0.02761	0.320524	0.639735	0	NA
ATSG54710	ATSG54710	167.6355	153.4452	150.6556	423.1384	384.8935	467.5183	457.102	482.2638	355.3535	105.5489	145.0064	119.1293	1.399333	2.37E-16	1.421704	1.31E-16	-0.35439	0.255713
ATSG54720	ATSG54720	34.47821	32.11643	32.19136	65.98649	37.85883	73.76622	54.24751	92.78453	37.09735	29.7456	43.90102	16.5745	0.717246	0.082351	0.792098	0.062499	-0.13343	0.889374
ATSG54730	ATG18F	312.6817	319.38	266.5444	334.8814	312.0221	386.7742	417.9726	445.5815	336.8049	294.5774	268.7275	246.5458	0.196442	0.291977	0.412012	0.019031	-0.144	0.665591
ATSG54740	SEAS4	0	1.784246	0	0	0.662467	0	0.889303	0.31556	0.976246	0	0	0.103607	-0.23002	NA	0.640872	NA	-0.09449	NA
ATSG54745	DEGP15	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG54750	ATSG54750	228.2696	276.5581	274.2704	392.2072	402.7801	317.9922	314.8134	275.1169	436.382	278.2653	368.5025	240.3303	0.503875	0.023498	0.38795	0.106714	0.1793	0.67904
ATSG54760	ATSG54760	879.7889	808.2635	795.7704	1112.285	1171.242	893.1693	918.6505	791.9052	1044.583	965.2928	1245.193	1015.188	0.349862	0.039917	0.146609	0.468526	0.368123	0.126694
ATSG54770	THH1	19142.54	17776.44	16360.94	9315.231	9119.524	9167.945	16411.21	17920.36	2915.641	17204.47	16617.2	1789.114	-0.92564	4.75E-07	0.246745	0.264886	-0.04202	0.931352
ATSG54780	ATSG54780	79.65566	99.91778	103.0123	160.8421	181.516	163.4819	138.7313	96.0212	113.2445	79.64146	102.4357	65.26211	0.821093	0.0001				

ATSG55200	ATSG55200	54.68958	60.66437	50.21852	83.30795	86.78321	64.79465	101.3806	79.83786	94.69586	54.69353	57.20436	76.65708	0.50429	0.04808	0.71805	0.004735	0.187776	0.718915
ATSG55210	ATSG55210	230.6474	190.9143	234.3531	314.2607	367.0069	267.1533	300.5846	268.6436	315.3275	279.2249	411.0732	229.9712	0.512802	0.022217	0.413052	0.086227	0.462068	0.161832
ATSG55220	TIG	1933.158	1909.143	2110.465	1254.568	1305.061	1464.359	1930.678	1901.004	1798.245	2286.573	2216.336	2522.432	-0.5632	1.09E-07	-0.08027	0.564424	0.237035	0.188922
ATSG55230	MAP65-1	1444.518	1430.965	1295.38	831.0174	897.6432	1027.743	947.1082	1112.336	942.0774	1477.685	1414.145	1398.474	-0.59449	1.06E-06	-0.47006	0.0002	0.040966	0.891191
ATSG55240	PKG2	0	0	0	0.412416	0.662467	0	0	0	0	0	1.330334	0	0.213241	NA	0	NA	0.204858	NA
ATSG55250	IAMT1	13.07794	21.41095	20.60247	10.7228	10.59948	4.984204	3.557214	7.55223	0.976246	19.19071	14.63367	11.39497	-0.83087	0.090037	-1.69339	0.000838	-0.2167	NA
ATSG55260	PPX2	147.4241	246.226	224.0519	173.2145	204.7024	141.5514	209.8756	178.0168	170.843	195.7453	267.3971	222.7199	-0.22763	0.372098	-0.12975	0.057257	0.150882	0.744677
ATSG55270	ATSG55270	1.188904	0	1.287654	4.948987	10.59948	6.977885	6.225124	8.63112	7.809968	0	1.330334	0	1.645358	0.006622	1.628305	0.009222	-0.31897	NA
ATSG55280	F2S21	766.843	692.2875	775.1679	621.5103	671.7418	608.0729	655.4167	589.0739	666.776	696.6229	893.9844	733.4218	-0.23164	0.106319	-0.22401	0.139711	0.050979	0.871867
ATSG55290	VHA-E1	82.03437	108.839	121.0395	161.6669	188.8032	132.5798	185.8644	91.70564	172.7955	129.5373	199.5501	187.4991	0.603215	0.036491	0.507088	0.100996	0.687426	0.082295
ATSG55300	TOP1	797.7545	747.5991	670.8679	595.9405	582.9712	679.8454	700.7711	728.2507	611.13	743.6401	784.897	725.1346	-0.25445	0.062845	-0.11854	0.460573	0.022915	0.948017
ATSG55310	TOP1BETA	535.0068	587.0169	557.5543	608.313	555.1476	611.0634	714.1107	759.5385	509.6004	556.5307	565.3919	531.42	0.079304	0.6894	0.236934	0.190071	-0.02124	0.961326
ATSG55320	AT7	0	0	0	0	0	0	0	0	0.959536	0	1.035907	0	0	NA	0	NA	0.332992	NA
ATSG55330	AT6	2.377808	1.784246	1.287654	3.71174	1.987402	0	0.889303	1.07889	2.928738	2.878607	1.330334	4.143626	0.094536	0.911394	-0.0833	0.925949	0.313491	NA
ATSG55340	AT5	7.133424	5.352738	6.438272	16.08421	14.57428	11.96209	15.11816	16.59618	14.39303	13.30334	9.323159	0	0.935684	0.057119	0.849121	0.110565	0.729309	NA
ATSG55350	AT4	0	0	1.287654	0	0.662467	0.996841	0	1.07889	0	0	0	0	0.050599	NA	-0.04697	NA	-0.23852	NA
ATSG55360	AT3	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
ATSG55370	AT2	2.377808	0	0	0	0	0	0	1.07889	0.976246	0	0	0	-0.45161	NA	-0.05348	NA	-0.406	NA
ATSG55380	AT1	32.10041	30.33218	25.75309	14.84696	15.89921	14.95261	11.56095	8.63112	16.59618	31.66468	23.94601	26.93357	-0.86438	0.016876	-1.12025	0.003857	-0.07281	0.935568
ATSG55390	EDM2	517.1732	567.3902	460.9803	364.5754	300.0977	450.572	493.5634	481.1849	278.2031	506.6348	432.3585	475.4811	-0.15763	0.048725	-0.29118	0.258484	-0.1211	0.802274
ATSG55400	FIM3	173.58	103.4863	141.642	109.2901	120.569	133.767	119.1667	117.599	92.74337	154.4852	152.9884	184.3914	-0.22357	0.354536	-0.35103	0.150584	0.211081	0.597213
ATSG55410	ATSG55410	0	0	0	1.237247	2.649869	2.950522	3.358221	3.23667	4.88123	0	0	0	0.99132	0.132758	1.63963	0.008531	0	NA
ATSG55420	ATSG55420	0	0	0	23.9201	15.89921	14.95261	11.56095	16.18335	27.33489	0.959536	0	1.035907	2.992023	4.25E-08	2.948965	9.25E-08	0	NA
ATSG55430	ATSG55430	1.188904	0	1.287654	0.412416	0	1.993682	0	0	0	0	0	1.035907	-0.03406	NA	-0.46623	NA	-0.24301	NA
ATSG55440	ATSG55440	0	0	0	3.299325	3.974804	0	0	1.07889	0.976246	0	0	0	1.037128	NA	0.299496	NA	0	NA
ATSG55450	ATSG55450	173.58	272.9896	211.1753	859.8865	753.8878	618.0413	426.8657	392.7159	660.9185	90.19635	114.4087	76.65708	1.705924	4.59E-14	1.132446	1.48E-06	-1.16328	5.69E-05
ATSG55460	ATSG55460	30.9115	53.52738	45.0679	168.678	190.1281	122.6114	158.296	138.0979	169.8668	18.23118	21.28534	24.86176	1.846304	6.12E-14	1.791627	6.96E-13	-0.8947	0.802274
ATSG55470	NHX4	21.40027	14.27397	15.45185	14.43455	6.624763	16.94629	20.45398	22.65669	13.66744	18.23118	22.61568	19.68222	-0.40841	0.393654	0.114962	0.844522	0.190789	0.842163
ATSG55480	GDPDL4	330.5153	235.5205	220.1889	120.4253	113.2819	153.5135	122.7239	118.6779	85.90965	242.7625	267.3971	223.7558	-1.00568	9.7E-07	-1.22781	4.38E-09	-0.10272	0.83094
ATSG55490	GEX1	43.98945	26.76369	23.17728	40.00431	44.38531	38.87679	34.68284	31.28781	41.00233	33.58373	35.91902	40.40035	0.348061	0.307636	0.154237	0.712647	0.188375	0.780918
ATSG55500	XYLT	257.9922	281.9109	258.8185	276.7309	225.2389	249.2102	233.8868	240.5925	215.7504	261.9532	275.3791	214.4327	-0.07932	0.688924	-0.20397	0.279636	-0.08544	0.809635
ATSG55505	ATSG55505	0	0	0	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA	NA	NA
ATSG55507	ATSG55507	0	0	0	0.412416	0	0	0	0	0	1.919071	0	0	0.060903	NA	0	NA	0.281656	NA
ATSG55508	ATSG55508	0	0	0	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA	NA	NA
ATSG55510	TIM22-3	85.60108	107.0548	93.99877	99.39215	127.1937	64.79465	88.93035	76.60119	155.2231	89.23681	95.78405	107.7343	0.037308	0.927068	0.15911	0.680308	0.033706	0.967287
ATSG55520	ATSG55520	135.535	128.4657	108.163	160.4297	126.5312	127.5956	139.2606	129.4668	89.81463	142.0113	167.6221	120.1652	0.15946	0.550812	-0.04926	0.879853	0.196007	0.655184
ATSG55530	ATSG55530	441.0833	333.654	400.4605	612.0247	699.5654	604.0855	739.9005	667.2529	672.6335	440.4269	546.7673	373.9623	0.686375	0.000226	0.183222	4.92E-07	0.098107	0.52019
ATSG55540	TRN1	407.7941	317.5958	329.6395	477.6448	515.2693	177.4377	201.8211	196.358	112.2683	269.6295	344.5565	295.2334	-1.22611	1.4E-08	-1.08667	9.16E-07	-0.21197	0.618208
ATSG55550	ATSG55550	209.2471	173.0719	207.3123	207.445	243.1255	213.3239	179.8756	182.3324	205.0117	220.6932	199.5501	212.3608	0.158521	0.382864	0.011342	0.961781	0.093695	0.788881
ATSG55560	WNK11	11.88904	24.97944	15.45185	107.6405	100.695	83.73463	74.70149	77.80008	79.07593	15.35257	19.95501	18.64632	2.381801	1.4E-16	2.038664	7.28E-12	0.060752	0.949285
ATSG55565	ATSG55565	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20588	NA	-0.19918	NA
ATSG55570	ATSG55570	3.566712	7.136984	9.01358	1.649662	0.662467	0.996841	7.114428	5.39445	7.809968	14.39303	11.97301	14.50269	-1.54502	0.007112	0.064032	0.934699	0.905943	NA
ATSG55580	ATSG55580	252.5364	249.7944	292.2975	156.7179	132.4935	141.5514	256.1194	240.5925	145.4607	269.6295	256.7545	270.3716	-0.83756	3.63E-05	-0.28115	0.239613	0.021691	0.970574
ATSG55590	QRT1	2.377808	1.784246	0	1.649662	1.324935	1.993682	0.889303	2.15778	0	0.959536	2.660668	0	0.125724	0.768986	-0.16706	0.841208	-0.09296	NA
ATSG55600	ATSG55600	554.1613	501.3731	467.4185	446.2337	412.7171	521.3477	493.5634	565.3383	342.6623	439.4673	437.6799	416.4344	-0.04407	0.856077	-0.02062	0.938611	-0.13302	0.722849
ATSG55610	ATSG55610	259.1811	262.2240	230.4901	353.4401	359.7197	311.0143	281.0139	308.5625	402.2133	283.063	336.5745	240.3303	0.439841	0.020484	0.391047	0.051869	0.186208	0.59714
ATSG55620	ATSG55620	61.09666	65.83868	63.22383	556.3486	551.1728	489.4488	337.046	249.2236	328.9949	684.1489	1176.015	608.0771	-0.2417	0.344905	-1.01577	4.79E-06	0.361804	0.32189
ATSG55630	TPK1	326.9486	346.1437	321.9136	268.895	292.8105	311.0143	218.7687	247.0658	268.4676	301.2942	349.8778	282.8025	-0.18968	0.250557	-0.43078	0.006284	-0.09191	0.774901
ATSG55640	ATSG55640	85.60108	133.8318	108.163	156.3055	138.4557	105.6651	112.9415	114.3623	150.3419	120.9015	133.0334	1						

ATSG56130	THO3	71.33424	55.31163	99.14938	122.4874	98.04516	77.75358	96.93408	92.78453	80.05217	102.6703	78.4897	111.8779	0.384744	0.16895	0.229335	0.478488	0.349946	0.443857
ATSG56140	ATSG56140	618.2301	645.8971	601.3346	463.5551	456.44	453.5626	497.1206	486.5794	561.3414	474.0104	445.6619	467.1938	-0.43507	0.000105	-0.26733	0.029841	-0.42048	0.003384
ATSG56150	UBC30	197.7359	171.2876	155.8062	305.1875	329.9087	226.2829	260.6559	251.3814	325.0899	311.2481	315.2892	321.1684	0.690689	0.00101	0.644857	0.003027	0.519057	0.088314
ATSG56160	SFH14	42.80054	28.54794	39.91728	25.56977	37.09817	42.86415	32.90423	46.39227	28.31113	36.46235	27.93701	47.6517	-0.11792	0.781359	-0.06846	0.886203	0.002965	0.997199
ATSG56170	LLG1	313.8706	283.6951	315.4753	383.9589	455.7775	384.7805	385.0684	391.637	487.1468	304.1728	315.2892	321.1317	0.413579	0.007073	0.458138	0.003460	0.037891	0.922957
ATSG56180	ARP8	206.8693	240.8732	182.8469	276.7309	259.0247	302.0428	354.8321	318.2725	236.2515	210.1383	186.2468	204.0736	0.404476	0.059943	0.523683	0.000683	-0.05977	0.895904
ATSG56190	ATSG56190	274.6368	328.3013	306.4617	398.0505	394.8305	442.5973	449.0883	442.3449	301.66	291.6988	347.2172	300.4129	0.435297	0.017073	0.387022	0.044829	0.046346	0.919153
ATSG56200	ATSG56200	0	1.784246	3.862963	7.835996	9.274542	5.981045	7.119428	8.63112	4.88123	1.919071	0	0	1.321368	0.030975	1.146102	0.079775	-0.49402	NA
ATSG56210	WIP2	300.7927	349.7122	301.3111	233.0148	281.5486	283.1028	271.2376	256.7758	303.6125	329.1207	400.4305	322.1669	-0.25238	0.144558	-0.18576	0.334083	0.142565	0.646732
ATSG56220	ATSG56220	135.535	110.6233	124.9025	67.22374	66.90919	75.7599	57.80473	79.83786	55.64602	92.11542	77.15937	104.6266	-0.81255	0.000118	-0.92411	2.85E-05	-0.42438	0.2094
ATSG56230	PRAI62	13.07794	7.136984	11.58889	16.49662	23.18635	6.977885	8.893035	19.42002	10.73871	3.838143	7.982004	2.071813	0.470897	0.411752	0.207348	0.7629	-0.90991	NA
ATSG56240	ATSG56240	588.5075	560.2533	480.2951	403.3424	382.9061	552.2498	522.0211	558.865	292.8738	447.1436	437.6799	479.6247	-0.27665	0.278535	-0.23733	0.388599	-0.24616	0.560244
ATSG56250	HAP8	517.1732	444.2773	356.6803	439.635	461.7397	550.2561	393.0721	375.4537	239.1803	322.404	368.5025	293.1615	0.132504	0.605125	-0.376	0.110338	-0.41111	0.212111
ATSG56260	ATSG56260	326.9486	451.4142	359.2556	604.1888	573.0342	550.2561	397.5187	459.6071	508.6242	391.4905	445.6619	370.8545	0.602294	0.000125	0.266073	0.143121	0.090389	0.797319
ATSG56270	WRKY2	256.8033	173.0719	181.2516	168.2656	149.7176	183.4187	201.8719	217.9358	115.197	173.6759	188.9074	151.2424	-0.28008	0.303874	-0.18851	0.536435	-0.24569	0.593966
ATSG56280	CSN6A	323.3819	333.654	333.5025	364.5754	384.231	393.7521	426.8657	332.2981	355.3535	385.7333	376.4845	309.7361	0.201299	0.224832	0.170508	0.346434	0.111916	0.719342
ATSG56290	PEX5	526.6844	562.0375	498.3222	396.3314	333.8835	404.7174	474.8881	545.9183	315.3275	514.3111	593.329	522.0969	-0.47132	0.016423	-0.24173	0.280845	0.037482	0.940115
ATSG56300	GAMT2	4.755616	7.136984	1.287654	2.886909	4.637271	1.993678	2.66791	2.15778	1.952492	5.757214	2.660668	5.179533	-0.2444	0.749456	-0.52904	0.478855	0.10053	NA
ATSG56310	PCMP-E13	19.02246	17.84246	29.61605	22.27044	30.47349	26.9147	30.23632	35.60337	40.02609	21.10978	26.60668	24.86176	0.206726	0.620201	0.600874	0.114886	0.089763	0.920201
ATSG56320	EXPA14	3.566712	8.92123	3.862963	2.474493	3.312336	2.990522	3.57214	1.0889	0.952492	3.838143	2.660668	1.035907	-0.5402	0.439767	-0.78402	0.297827	-0.64294	NA
ATSG56325	ATSG56325	0	0	0	0	0.662467	0	0.889303	0	0	0	0	0	0.097058	NA	0.130384	NA	0	NA
ATSG56330	ATAC48	0	0	0	0	0.662467	0	0.889303	0	0	0	0	0	0.097058	NA	0.130384	NA	0	NA
ATSG56340	ATCRT1	261.5589	296.1848	266.5444	248.2742	302.7475	257.1849	292.5808	268.6436	378.7834	270.589	308.6375	279.6948	-0.02497	0.916578	0.190421	0.356071	0.059464	0.884754
ATSG56350	ATSG56350	507.662	405.0238	453.2543	594.5701	629.3439	647.9465	595.8343	602.0206	445.1682	366.5426	432.3585	641.3314	0.402034	0.018132	0.257556	0.173894	-0.23736	0.412762
ATSG56360	PSL4	70.4872	70.12087	70.17716	550.8971	565.0846	628.0097	528.2463	661.3595	606.2488	761.8713	719.7107	644.3339	-0.25407	0.051376	-0.26571	0.074967	-0.01253	0.972983
ATSG56365	ATSG56365	0	0	0	0.412416	0	0	0	0	0	0	0	0	0.095918	NA	0	NA	0	NA
ATSG56367	ATSG56367	2.377808	0	0	0	0	0	1.778607	1.07889	0.976246	0.959536	0	1.035907	-0.58632	0.0	0.215782	NA	-0.07253	NA
ATSG56368	ATSG56368	0	0	0	0	0	0	1.07889	0	0	0	0	0	0	NA	0.16673	NA	0	NA
ATSG56369	ATSG56369	0	0	0	0	0.662467	0	0	0	0	0	0	0	0	NA	0	NA	0	NA
ATSG56370	ATSG56370	28.53369	23.1952	24.46543	30.51875	33.78583	31.8989	17.78607	30.20892	24.40615	39.34096	31.92802	39.36445	0.297224	0.424229	-0.09369	0.844342	0.496721	0.363749
ATSG56380	ATSG56380	309.115	314.0273	300.0235	206.2078	225.9013	243.2291	347.7177	272.9592	183.5342	317.6063	268.7275	353.2441	-0.44049	0.048004	-0.1908	0.468539	0.027624	0.962294
ATSG56390	ATSG56390	0	0	0	0	0.889303	0	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
ATSG56400	ATSG56400	0	0	0	0	0	0	0	0	0	0.959536	0	1.035907	0	NA	0	NA	0.332992	NA
ATSG56410	ATSG56410	0	0	0	0	0	0	1.07889	0	0	0	1.919071	0	0	NA	0.149949	NA	0.281514	NA
ATSG56420	ATSG56420	79.65656	73.15409	78.54691	87.01969	109.9696	79.74726	112.0522	94.94231	82.00466	74.84378	82.48071	77.69299	0.249799	0.321515	0.308089	0.240673	0.013352	0.984857
ATSG56430	ATSG56430	0	0	1.287654	0	0	0	0	0	0.959536	1.330334	0	0	-0.28579	NA	-0.2534	NA	0.158085	NA
ATSG56440	ATSG56440	0	0	0	0	0	0.889303	1.07889	0	0	0	0	0	0	NA	0.3225	NA	0	NA
ATSG56450	ATSG56450	53.50068	60.66437	69.53333	50.3147	62.93439	63.79781	70.25498	62.57562	66.38473	64.28889	82.48071	80.80071	-0.06805	0.830654	0.116027	0.723898	0.291964	0.507381
ATSG56452	ATSG56452	0	0	0	0.662467	0	0	0.889303	0	0	0	0	0	0.128567	NA	0.0	NA	0	NA
ATSG56460	ATSG56460	76.08985	49.95889	52.79383	95.268	100.0326	103.6714	86.26244	97.10009	95.67211	63.32935	75.82904	65.26211	0.690892	0.00204	0.595795	0.013107	0.15548	0.75547
ATSG56470	GULL07	0	0	0	0	0	0.889303	0	0	0	0	0	0	0	NA	0.160764	NA	0	NA
ATSG56480	ATSG56480	0	0	0	0	0	0.889303	0	0	0	0	0	1.035907	0	NA	0.137906	NA	0.15538	NA
ATSG56490	GULL04	33.28931	29.25341	19.31482	35.46774	25.17376	30.92026	25.7898	28.05114	23.4299	23.02886	49.22236	35.22082	0.022532	0.963026	-0.21062	0.653286	0.204793	0.78736
ATSG56500	CNP6083	277.0146	206.9725	225.3395	211.5692	238.4882	213.3239	233.8868	192.0424	198.1779	232.2076	234.1388	282.8025	-0.10269	0.62415	-0.10859	0.373113	0.070645	0.861835
ATSG56510	APUM12	1.188904	3.568492	3.862963	18.14629	12.58688	19.93682	32.01493	36.68226	24.40615	6.716749	2.660668	2.071813	1.857739	0.000186	2.65372	3.57E-08	0.213618	NA
ATSG56520	ATSG56520	109.3792	137.3869	115.8889	125.3743	144.4179	125.6019	194.7575	157.5179	226.4891	159.2899	158.3097	166.781	0.130863	0.576206	0.617055	0.000558	0.417694	0.156714
ATSG56530	ATSG56530	181.9023	119.5445	110.7383	68.04857	77.50867	67.78517	60.47264	97.10009	98.60085	128.5778	94.45371	141.9192	-0.91355	0.000376	-0.66637	0.015419	-0.16846	0.756204
ATSG56540	AGP14	1.188904	1.784246	2.474493	2.649869	4.984204	1.778607	1.07889	2.928738	3.838143	5.321336	3.10772	0	-0.10043	0.903683	-0.49742	0.514422	0.10092	NA
ATSG56544	ATSG56544	1.188904	0	3.862963	3.299255	5.299738	0.996841	1.778607	1.07889	4.88123	0.660668	0	0	0.459481	0.532807	0.246544	0.768783	-0.37956	NA
ATSG56550	OXK3	73.71204	101.702	93.99877	137.7468	113.2819	181.425	202.7612	176.938	194.273	84.43914	98.44471	113.9497	0.656986	0.00421	1.06588	1.46E-06	0.142114	0.778834
ATSG56560	ATSG56560	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0	NA
ATSG56570	ATSG56570	0	3.568492	0	0	0	0.996841	0	0	0.959536	0	0	0	-0.31121	NA	0.45596	NA	-0.27599	NA
ATSG56580	MKK6	40.42273	48.17464	48.93086	59.80026	72.8714	56.81992	52.46891	52.86561	46.85981	56.6126	50.55269	61.11849	0.4453061	0.090224	0.144423	0.675342	0.289397	0.550652
ATSG56590	ATSG56590	156.9353	160.5821	159.6691	115.0639	104.6698	104.6683	135.1741	135.9401	119.102	194.7857	192.8984	171.9605	-0.53806	0.001433	-0.28379	0.141672	0.226454	0.438645
ATSG56600	PFN3	205.6804	208.7568	272.9827	237.5514	233.8509													

ATS5G57035	ATS5G57035	267.5034	294.4006	269.1198	366.225	341.8331	438.6099	522.0211	504.9205	302.6363	222.6123	283.3611	219.6122	0.449299	0.044707	0.659215	0.00268	-0.1913	0.652663
ATS5G57040	ATS5G57040	933.2896	1165.113	1126.698	736.9866	703.5402	614.0539	1036.928	863.112	924.505	1457.535	1744.068	1415.048	-0.63646	1.02E-05	-0.18605	0.282279	0.531108	0.005042
ATS5G57050	AB12	126.0238	160.5821	127.4778	93.20592	102.02	119.6209	133.995	108.9679	112.2683	161.202	166.2917	156.4219	-0.39037	0.049353	-0.20219	0.338243	0.211226	0.498599
ATS5G57060	ATS5G57060	49.93397	80.29107	70.82099	110.5274	125.2063	105.6651	151.1816	99.25787	158.1519	70.0461	58.53469	100.4829	0.742094	0.005852	0.991823	0.000196	0.198484	0.724045
ATS5G57070	ATS5G57070	84.41218	69.5856	48.93086	57.73818	50.34751	53.8294	53.35821	55.02339	58.57476	46.05771	78.4897	59.04667	-0.30749	0.302879	-0.26947	0.41344	-0.155	0.791193
ATS5G57080	ATS5G57080	1.188904	0	1.287654	2.474493	3.312336	2.990522	4.446517	1.07889	8.786214	4.797678	1.330334	1.035907	0.640142	0.362854	1.093811	0.108374	0.509649	0.000000
ATS5G57090	PIIN2	0	0	1.287654	3.299235	0.662467	0	1.778607	1.07889	0.976246	0	1.330334	1.035907	0.45225	0.501505	0.350597	0.626828	0.119076	NA
ATS5G57100	ATS5G57100	112.9459	105.2705	106.8753	91.55626	96.72022	96.69356	126.2811	112.2046	99.57709	101.7108	113.0784	83.90843	-0.1919	0.399615	0.054594	0.846461	-0.12842	0.76672
ATS5G57110	ACAR	193.7913	151.6609	121.0395	252.8107	243.788	366.8374	749.6828	901.952	592.5813	207.2597	135.6941	160.5655	0.840512	0.000582	2.174224	9.46E-22	0.10585	0.856017
ATS5G57120	ATS5G57120	779.921	610.2121	721.0864	683.3726	797.6106	576.174	591.3868	546.9972	1159.778	561.3283	537.4549	732.3859	-0.03604	0.919717	0.115867	0.739623	-0.19653	0.706813
ATS5G57123	ATS5G57123	21.40027	33.90067	21.89012	72.17273	80.82101	50.83888	90.70896	36.68226	95.57709	41.26003	49.22236	49.72351	1.291328	0.000257	1.430266	0.000059	0.779738	0.1573
ATS5G57126	ATS5G57126	1.188904	0	0	0.412416	0.662467	0	2.66791	0	0	0	0	0	-0.02758	NA	0.225915	NA	-0.22072	NA
ATS5G57130	ATS5G57130	363.8046	178.4246	238.2161	138.984	123.2189	149.5261	186.7537	225.488	137.6507	207.2597	215.5141	206.1454	-0.89552	0.000238	-0.49455	0.066027	-0.30796	0.482624
ATS5G57140	PAP28	49.93397	58.88012	69.53333	47.01538	36.4357	55.82308	63.14055	43.1556	33.19236	72.92471	59.86503	71.47755	-0.34705	0.27582	-0.32497	0.350013	0.193594	0.74422
ATS5G57150	BHLH35	175.9578	174.9744	190.5728	374.0609	470.3518	445.5878	544.2537	374.3748	434.4295	188.669	212.8534	210.2689	1.220234	1.1E-12	0.25626	5.98E-14	0.165825	0.652663
ATS5G57160	LIG4	218.7583	206.9725	189.2852	217.343	208.0147	250.207	234.7761	229.8036	174.748	186.1499	227.4871	212.3608	0.126848	0.544657	0.054535	0.82682	0.020453	0.967164
ATS5G57170	ATS5G57170	128.4014	146.3082	182.1901	168.678	135.1433	110.6493	160.6734	112.2046	176.7005	180.3927	247.4421	213.7145	0.063269	0.835596	0.164635	0.577189	0.610193	0.054175
ATS5G57180	CIAT2	95.23121	818.9689	745.519	795.9621	79.9621	79.9621	79.9621	79.9621	79.9621	79.9621	79.9621	79.9621	-0.01983	0.059717	-0.44465	0.002501	-0.03307	0.927445
ATS5G57181	ATS5G57181	0	0	0	0.412416	0	0	0	0.976246	0	0	0	1.035907	0.065653	NA	0.157247	NA	0.168331	NA
ATS5G57190	PSD2	35.66712	23.1952	20.60247	146.9662	15.89921	17.94313	16.00746	18.34113	9.76246	27.82653	22.61568	31.0772	-0.8561	0.112045	-0.77699	0.061085	0.03097	0.976814
ATS5G57200	ATS5G57200	4.755616	3.568492	3.862963	11.96005	10.59948	10.96525	11.56095	11.86779	7.809968	2.878607	0	0.2071813	1.126225	0.040765	1.011099	0.087648	-0.07087	NA
ATS5G57210	ATS5G57210	184.2801	205.1883	190.5728	161.6669	130.5061	167.6469	148.5137	159.6757	123.9832	156.4043	182.2558	157.4578	-0.32656	0.082056	-0.42139	0.033868	-0.22117	0.496655
ATS5G57220	CYP81F2	15.45575	24.97944	20.60247	98.56732	125.2063	114.6367	186.7537	202.8313	269.4439	11.51443	7.982004	15.5386	2.329415	1.02E-16	3.267565	1.15E-32	-0.63537	0.280057
ATS5G57230	ATS5G57230	20.21667	16.05821	29.61605	46.60296	49.68505	44.85784	45.35448	30.20892	47.83605	14.39303	19.95501	35.22082	0.986605	0.005329	0.804967	0.035136	0.045809	0.96454
ATS5G57240	ORP4C	14.26685	24.97944	16.76351	23.9201	31.13596	27.91154	11.56095	21.5778	11.71495	20.15025	30.59768	13.46678	0.53545	0.212444	-0.26478	0.620535	0.108913	0.84833
ATS5G57250	ATS5G57250	177.1467	114.1917	140.3543	85.37002	72.20893	100.6809	129.8383	137.019	85.90965	153.2945	115.7391	153.3142	-0.73132	0.002385	-0.29113	0.302141	-0.09701	0.862386
ATS5G57260	CYP71B10	0	0	0	0	0	2.66791	0	0	0.959536	0	0	1.035907	0	NA	0.418461	NA	0.314158	NA
ATS5G57270	ATS5G57270	274.6368	264.0684	269.1198	240.0259	245.1129	277.1217	274.7948	263.2491	198.1779	287.8607	211.5231	271.4075	-0.08762	0.691453	-0.1317	0.557624	-0.06141	0.883748
ATS5G57280	ATS5G57280	92.73451	103.4863	112.0259	141.871	142.4305	131.583	98.71269	93.86342	188.415	109.3871	114.4087	114.9856	0.416709	0.125384	0.293481	0.334789	0.130114	0.821684
ATS5G57290	RPP3B	729.987	681.582	630.9569	591.4427	812.8473	676.8549	465.995	531.8927	1231.837	722.5303	689.113	749.9963	0.242428	0.490333	0.172229	0.65596	0.076766	0.917771
ATS5G57300	COQ5	150.9908	144.5239	168.6827	170.3276	175.5538	140.5545	117.3881	137.019	196.2254	173.6759	125.0514	179.2118	0.068309	0.816634	-0.04505	0.889789	0.044436	0.940181
ATS5G57310	ATS5G57310	0	0	0	0.662467	0	0.889303	1.07889	0	0	0	0	0	0.109123	NA	0.333186	NA	0	NA
ATS5G57320	VLN5	16.64466	16.05821	15.45185	21.44561	13.24935	26.9147	24.9005	29.13003	11.71495	28.78607	15.96401	21.75404	0.286672	0.565864	0.381496	0.460551	0.415	0.60198
ATS5G57330	ATS5G57330	556.407	544.195	643.8272	776.1661	833.3838	683.8328	662.5311	573.9694	720.4659	596.8312	558.7403	595.6463	0.39016	0.005977	0.162732	0.332485	0.00468	0.900719
ATS5G57340	ATS5G57340	248.4809	264.0684	320.6259	281.6798	229.8761	221.2987	251.6729	204.9891	182.558	226.5404	303.3161	290.0538	-0.17498	0.437802	-0.3715	0.084016	-0.02692	0.959933
ATS5G57345	ATS5G57345	853.6337	970.6298	990.2062	703.9934	684.9912	490.4457	461.5485	387.3215	552.5552	1191.743	1044.312	1300.063	-0.56524	0.00186	-0.98178	2.36E-08	0.323828	0.258363
ATS5G57350	AH43	2834.347	2576.451	2666.732	698.2405	128.424	1057.382	1095.073	677.5114	2415.151	2414.556	2354.616	0	-1.53009	4.74E-16	-1.4722	7.48E-15	-0.16471	0.678395
ATS5G57360	ADO1	419.6831	481.7464	373.4198	333.2318	253.0625	315.9985	284.5771	376.5326	271.3964	326.2421	297.9948	279.6948	-0.48307	0.008514	-0.43967	0.02253	-0.48058	0.056901
ATS5G57370	ATS5G57370	111.757	110.6233	128.7654	180.638	179.5286	174.4471	114.7201	110.0468	166.9381	107.468	127.7121	92.19568	0.588672	0.005074	0.15041	0.580008	-0.10828	0.825918
ATS5G57380	VIN3	1.188904	0	0	0	0.662467	0	0.889303	0	1.952492	0	2.660668	1.035907	-0.18206	NA	0.245175	NA	0.32865	NA
ATS5G57390	AIL5	39.23383	12.48972	18.02716	17.73387	19.12441	14.95261	16.89677	14.02557	3.904984	22.06932	30.59768	33.14901	-0.57125	0.242558	-0.862	0.084726	0.228814	0.811605
ATS5G57391	ATS5G57391	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATS5G57400	ATS5G57400	0	0	0	0.412416	0	0	1.778607	0	0	0	0	0	0.060593	NA	0.260815	NA	0	NA
ATS5G57410	ATS5G57410	107.0014	101.702	117.1765	173.2145	161.642	167.4693	155.6281	187.7268	178.653	173.6759	156.9794	160.5655	0.607011	0.000429	0.656203	0.000212	0.575803	0.01192
ATS5G57420	IAA33	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0	NA
ATS5G57430	GP22	191.4135	199.8356	209.8877	191.3608	210.6646	171.4566	152.9602	149.9657	204.0354	223.5718	137.0244	253.7971	-0.06252	0.831877	-0.2369	0.383202	0.038352	0.949285
ATS5G57450	XRCC3	7.133424	8.92123	6.438272	11.13522	7.28714	7.974726	12.45025	14.02557	10.77891	7.676285	7.982004	7.251346	0.222413	0.171815	0.608951	0.284369	0.027254	NA
ATS5G57460	ATS5G57460	449.4057	422.8663	436.5148	274.6688	307.3848	304.0364	293.4701	338.7714	317.7989	360.7854	329.9228	366.7109	-0.56313	0.779E-06	-0.469146	0.000499	-0.30336	0.114367
ATS5G57480	ATS5G57480	11.88904	19.62671	11.58889	40.00433	42.39791	51.83572	65.80846	58.26006	75.17094	4.797678	9.312338	3.10772	1.524068	9.06E-06	2.083233	5.47E-10	-0.103713	0.101358
ATS5G57490	VDA4C	495.7729	549.5478	573.0062	463.5551	502.8127	491.4425	545.143	520.025	445.1672	54.75663	638.5603	424.7121	-0.14804	0.444763	-0.09665	0.655924	-0.04839	0.90444
ATS5G57500	ATS5G57500	9.511232	3.568492	14.1642	16.05821	13.24935	21.93025	23.12189	18.34113	21.47881	10.33903	15.96401	13.46678	0.681223	0.142586	0.974376	0.035824	-0.049712	

ATSG58890	AGL82	0	0	0	0	0.662467	0	0	0	0	0	0	0	0	0.128567	NA	0	NA	0	NA
ATSG58900	ATSG58900	149.8019	164.1506	175.121	138.5716	124.5438	148.5293	204.5398	183.4113	155.2231	174.6355	210.1928	190.6068	-0.24658	0.211628	0.151377	0.497215	0.226757	0.480099	
ATSG58910	LAC16	1.188904	0	0	0	1.987402	0	0.889303	0	0.972646	0	0	0	0.121024	NA	0.095005	NA	-0.21438	NA	
ATSG58920	ATSG58920	124.8349	157.0137	109.4506	170.3276	187.4782	159.4945	135.1741	146.729	274.3251	111.3061	101.1054	119.1293	0.393538	0.164338	0.491719	0.087162	-0.21753	0.681704	
ATSG58930	ATSG58930	529.0623	444.2773	486.7333	360.0388	372.3066	352.8816	265.0124	295.6158	330.9474	376.138	300.6555	390.5368	-0.42451	0.0049	-0.70526	2.08E-06	-0.4441	0.026396	
ATSG58940	CRCK1	53.50068	66.34929	68.24568	185.1746	195.4278	171.4566	136.9527	135.9401	157.1476	32.62421	43.90102	58.01077	1.324943	2.35E-09	0.907722	3.45E-05	-0.6362	0.087743	
ATSG58950	ATSG58950	1551.52	1673.623	1524.583	896.5915	943.3534	1074.594	1270.815	1458.659	1204.688	1286.737	1378.226	1333.212	-0.69976	1.63E-09	-0.26867	0.03984	-0.24554	0.188083	
ATSG58960	GIL1	330.5153	283.6951	300.0235	194.6602	157.6672	156.504	133.3955	159.6757	188.4155	296.4965	264.7365	262.0844	-0.82199	1.01E-06	-0.91101	1.02E-04	-0.14972	0.657308	
ATSG58970	PUMP2	167.6355	139.1712	178.984	169.9004	176.8788	154.5103	184.0858	140.2557	132.7695	198.6239	172.9434	158.4937	0.037441	0.884062	-0.0903	0.728552	0.116439	0.778224	
ATSG58980	ATSG58980	141.4796	146.3082	178.984	122.4874	113.9444	139.5577	139.6206	135.9401	86.88589	152.5662	148.9974	172.9964	-0.31078	0.174728	-0.35538	0.139188	0.023129	0.969668	
ATSG58990	ATSG58990	117.7015	115.976	123.6148	183.5249	221.2641	183.4187	138.7313	102.4945	199.1542	135.2945	131.7031	167.8169	0.69227	0.003157	0.29041	0.29729	0.27227	0.531315	
ATSG59000	ATSG59000	184.2801	196.2671	202.1617	133.6226	177.5412	124.6051	178.75	146.729	317.2799	213.9764	227.4871	198.8941	-0.39826	0.153176	0.136939	0.684512	0.129738	0.820724	
ATSG59010	ATSG59010	205.6804	183.7773	209.8877	124.5495	143.7554	119.6209	136.0634	143.4924	134.7219	148.728	159.6401	165.745	-0.61942	0.000112	-0.52951	0.001929	-0.33885	0.184156	
ATSG59020	ATSG59020	42.80054	55.31163	34.76667	21.85803	20.53649	16.94629	16.89677	37.76115	31.23987	35.50282	31.92802	41.43626	-1.03564	0.001876	-0.57768	0.121249	-0.24309	0.717734	
ATSG59030	COP1T	317.4374	401.4554	327.0642	377.3603	368.9943	351.8848	297.0274	283.7481	410.9996	290.7393	287.3521	299.377	0.076972	0.722107	-0.06868	0.770729	-0.24184	0.417269	
ATSG59040	COP3T	0	0	0	0	0.662467	0.996841	0	0	0	0	0	0	0.262313	NA	0	NA	0	NA	
ATSG59050	ATSG59050	173.58	192.6986	193.1482	105.166	124.5438	92.70619	98.71269	74.44341	82.00466	167.9187	143.6761	181.2836	-0.76618	3.54E-05	-1.09389	1.06E-08	-0.17036	0.64162	
ATSG59055	ATSG59055	0	0	0	0	0.237247	0	1.993682	0.889303	0	0.99536	0	0	-0.09217	NA	#N/A	#N/A	#N/A	#N/A	
ATSG59060	ATSG59060	2.377808	1.784246	0	1.237247	0	1.993682	0.889303	0	0.99536	0	0	0	-0.09217	NA	#N/A	#N/A	-0.447239	NA	
ATSG59070	ATSG59070	64.20081	73.15409	72.10864	55.26369	69.55906	55.82308	24.9005	17.26224	20.50117	34.54328	43.90102	43.50807	-0.19508	0.508661	-1.61789	5.81E-09	-0.74654	0.039511	
ATSG59080	ATSG59080	369.7491	454.9827	397.8852	506.4463	588.2709	343.9101	329.9316	193.1213	184.5105	361.7449	439.0102	365.675	0.230913	0.412499	-0.75143	0.002835	-0.06442	0.915766	
ATSG59090	ATSBT4.12	0	0.3568492	0	3.299325	0	0	7.974726	4.446517	2.15778	1.952492	0	1.330334	-0.78561	0.288144	0.52986	0.471994	-0.27655	NA	
ATSG59100	ATSG59100	1.188904	0	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA	
ATSG59105	ATSG59105	0	0	0	0	0	0	0	0	0	0	1.330334	1.035907	0	NA	0	NA	0	0.375122	
ATSG59110	ATSG59110	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
ATSG59120	ATSBT4.13	0	0	0	0	0	0	0	0	0.959536	0	0	0	0	NA	0	NA	0	0.171512	
ATSG59130	ATSG59130	310.3039	308.6746	281.9963	79.59621	74.19633	51.83572	136.0634	115.4412	92.74337	365.5831	367.1722	328.3824	-2.0463	1.01E-30	-1.35127	4.89E-14	0.232783	0.460368	
ATSG59140	ATSG59140	233.0252	251.5787	256.2432	485.4131	577.009	411.6952	398.408	321.5092	517.4104	248.5197	228.8174	252.7612	0.970634	2.85E-07	0.722336	0.000265	-0.01849	0.97512	
ATSG59150	ATSG59150	190.2246	249.7944	248.5173	225.1789	255.7124	238.2449	169.857	196.358	326.2515	327.2076	184.9164	220.6481	0.065852	0.781066	-0.18385	0.415896	-0.09746	0.811658	
ATSG59160	ATSG59160	558.7849	595.9382	610.3482	669.3505	726.0641	709.7506	678.5386	662.4384	742.9232	690.8657	687.7827	604.9694	0.251425	0.040219	0.238548	0.065587	0.167085	0.416253	
ATSG59170	ATSG59170	0	0	1.287654	0	0.662467	1.993682	0	0	4.88123	0.99536	1.330334	1.035907	0.112552	0.877494	0.437651	0.512829	0.246528	NA	
ATSG59180	ATSG59180	92.73451	96.34929	101.7247	109.2901	124.5438	117.6272	84.48383	77.68008	86.60085	110.3466	73.16837	109.8061	0.262931	0.261845	0.262931	0.0758927	0.025751	0.96566	
ATSG59190	ATSG59190	2.377808	0	1.287654	3.299325	3.974804	1.993682	7.114428	5.39445	4.88123	1.919071	1.330334	5.179533	0.554796	0.434966	1.156481	0.082177	0.468234	NA	
ATSG59200	ATSG59200	9.511232	12.48972	5.150617	0.860727	11.26194	11.96209	11.56095	9.710009	9.76246	4.797678	6.65167	9.321599	0.202937	0.740319	0.192221	0.740778	-0.22778	NA	
ATSG59210	ATSG59210	297.226	310.4588	292.2975	343.9546	345.8079	344.9069	353.9428	329.0614	284.0876	303.2133	305.9768	293.1615	0.20101	0.171272	0.105608	0.540923	0.005316	0.990203	
ATSG59220	ATSG59220	16.64466	17.84246	30.9037	57.73818	54.32232	63.79781	46.61199	52.86561	57.59851	26.867	17.29434	25.89766	1.3131	0.000013	1.177898	0.00019	0.08981	0.91625	
ATSG59230	ATSG59230	0	0	0	1.237247	0	1.324935	0	2.67911	0.952492	1.919071	0	0	0.409072	NA	0.659699	NA	0.89122	NA	
ATSG59240	ATSG59240	15.45575	17.136984	6.438272	4.948987	3.312336	5.981405	2.66791	6.47334	5.87476	18.23118	17.29434	10.35907	-0.8427	0.127717	-0.76034	0.20834	0.531908	NA	
ATSG59250	ATSG59250	554.0292	667.308	645.1188	289.9281	276.2489	348.8943	468.6269	513.5516	547.674	631.3744	461.6259	668.1597	-1.01109	6.86E-10	-0.27961	0.147021	-0.07689	0.845819	
ATSG59260	ATSG59260	1.188904	1.784246	6.438272	5.361402	5.299738	7.974726	4.446517	2.15778	4.88123	0.99536	1.330334	4.143626	0.640433	0.341315	0.161993	0.849008	-0.30685	NA	
ATSG59270	ATSG59270	0	0	0	0.824831	0.662467	0	0	0	0	0	0	0	0.256538	NA	0	NA	0	NA	
ATSG59280	ATSG59280	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
ATSG59290	ATSG59290	500.5286	421.0821	495.7469	328.6952	342.4956	346.9006	330.8209	298.8525	392.4509	545.9758	462.9562	453.7271	-0.47607	0.001547	-0.46757	0.002691	0.042476	0.908707	
ATSG59300	ATSG59300	248.4809	251.5787	265.2568	285.3916	335.2084	216.3144	270.3483	190.9635	376.831	316.6468	282.0308	366.7109	0.127452	0.668122	0.127452	0.668586	0.232308	0.435262	
ATSG59310	ATSG59310	5.94452	8.92123	7.725926	2.886909	2.649869	0.996841	0.889303	2.15778	0	0.99536	11.97301	8.287252	-1.16612	0.049712	-1.63811	0.007355	0.362574	NA	
ATSG59320	ATSG59320	11.88904	10.70548	9.01358	10.31039	10.59948	16.94629	18.67537	15.10446	18.54867	35.50282	25.27635	54.90305	0.139572	0.805884	0.600941	0.200315	1.648814	0.000866	
ATSG59330	ATSG59330	26.15589	35.68492	43.78025	37.52982	26.49869	64.79465	32.90423	29.13003	30.26663	50.85539	35.91902	55.93895	0.238176	0.568311	-0.17176	0.720267	0.410678	0.519205	
ATSG59340	ATSG59340	3.566712	5.352738	2.575309	2.474493	1.987402	0	0.889303	2.15778	2.928738	4.797678	6.65167	4.143626	-0.67156	0.331464	-0.51693	0.495852	0.32892	NA	
ATSG59350	ATSG59350	292.4704	287.2636	329.6395	191.3608	229.2137	186.4092	198.3147	174.7802	283.1113	336.797	372.4935	392.6086	-0.56941	0.003154	-0.45923	0.025332	0.268821	0.408826	
ATSG59360	ATSG59360	17.83356	17.136984	15.45185	8.248311	3.974804	6.977885	3.535821	7.55223	3.904984	16.31211	26.60668	22.78994	-0.90461	0.068077	-1.04749	0.048037	0.572912	NA	
ATSG59370	ATSG59370	2.377808	3.568492	1.287654	0	1.324935	1.993682	0.889303	0	0.99536	1.330334	0	0	-0.48842	0.484207	-0.84261	0.197154	-0.60091	NA	
ATSG59380	ATSG59380	46.36725	60.66437	55.36914	64.74925	67.57166	54.82624	46.24378	37.76115	61.5035	32.62421	23.94601	37.29264	0.219515	0.885666	-0.13451	0.718557	-0.71432	0.088924	
ATSG59390	ATSG59390	0	1.784246	0	0.412416	0.662467	0	0	0	0.976246	0	0	0	-0.04576	NA	-0.08556	NA	-0.27582	NA	
ATSG59400	ATSG59400																			

ATSG59840	ATSG59840	256.8033	219.4623	213.7506	319.2097	370.9817	325.9669	291.6915	236.2769	351.4486	282.1035	300.6555	270.3716	0.543309	0.001904	0.340525	0.079738	0.294296	0.309993
ATSG59845	GAS110	3.566712	7.136984	9.01358	6.186234	3.974804	1.993682	0.889303	1.07889	0.976246	9.595356	13.30334	4.143626	-0.40382	0.559749	-1.42742	0.024613	0.360736	NA
ATSG59850	RPS15AA	996.3015	997.3935	1133.136	1200.542	1332.222	1018.771	743.572	743.3552	1159.78	1058.386	1048.303	1026.583	0.180305	0.397328	-0.25358	0.275357	0.002535	0.996198
ATSG59860	ATSG59860	0	1.784246	1.287654	0	2.649869	0.996841	0	2.15778	0	0.959536	3.991002	0	0.074734	0.922873	-0.11934	0.878423	0.202524	NA
ATSG59870	HTA6	372.1269	349.7122	346.379	471.8034	573.6967	315.9985	301.4739	210.3835	495.933	372.2998	437.6799	477.5529	0.334135	0.275591	-0.07932	0.837613	0.254684	0.626348
ATSG59880	ADF3	1675.166	1971.5192	1887.701	2565.225	2881.07	2089.378	2071.188	1743.486	2806.707	1857.661	1944.948	2100.818	0.436224	0.022339	0.253416	0.235767	0.091443	0.827392
ATSG59890	ADF4	481.0214	843.9484	964.4531	1114.759	1265.975	862.6753	1118.744	827.5086	1428.248	1114.021	1379.556	1281.416	0.299598	0.185924	0.354476	0.124803	0.510725	0.080487
ATSG59900	ATSG59900	49.93397	66.0171	47.64321	62.62826	26.49869	27.91154	35.57214	47.47116	33.19236	48.93632	27.93701	50.75942	-0.1937	0.00064	-0.45281	0.185053	-0.30135	0.594117
ATSG59910	HTB4	1676.355	1639.722	1901.865	2195.288	2345.134	2017.606	1705.684	1535.26	2563.622	2212.689	2320.102	2099.783	0.32247	0.096012	0.150067	0.506143	0.337947	0.23487
ATSG59920	ULI3	268.6923	276.5581	231.7778	168.678	149.7176	173.4503	170.7463	175.8591	171.8193	254.2769	320.6105	225.8276	-0.64569	0.000131	-0.56953	0.001329	0.039323	0.928043
ATSG59930	ATSG59930	1.188904	1.784246	0	0	0	1.324935	0	0	0	0	0	0	-0.18983	NA	-0.44722	NA	-0.43763	NA
ATSG59940	ATSG59940	2.377808	0	3.862963	0.824831	2.649869	0	0	0	0	0.959536	1.330334	1.035907	-0.32515	0.657164	-0.98121	0.119462	-0.38561	NA
ATSG59945	ATSG59945	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG59950	ALY1	606.341	638.7601	646.4025	711.0045	763.1623	691.8075	701.6604	705.594	930.3624	701.4205	811.5037	536.5996	0.192256	0.329151	0.299766	0.12253	0.111728	0.761719
ATSG59960	ATSG59960	284.148	248.0102	325.7765	276.3184	330.5712	288.087	346.8284	326.9037	359.2585	284.9821	290.0128	294.1975	0.051632	0.789209	0.257626	0.123124	0.011214	0.9802
ATSG59970	ATSG59970	186.6579	228.3835	230.4901	364.9878	300.0977	302.0428	179.6393	226.5669	344.6148	281.1439	270.0578	302.4847	0.569363	0.012239	0.211841	0.44157	0.392683	0.274581
ATSG59980	ATSG59980	58.25629	67.80135	56.65679	70.11065	68.23413	68.78201	72.03358	77.68008	56.62227	52.77446	55.87403	61.11849	0.186771	0.49718	0.17761	0.554483	-0.09199	0.874304
ATSG59990	ATSG59990	24.96698	26.76369	20.60247	38.76706	37.76063	28.90838	38.24005	23.73558	31.23987	39.34096	21.28534	31.0772	0.524129	0.149215	0.374995	0.40718	0.337658	0.609275
ATSG60000	ATSG60000	0	0	0	0	0	0	1.778607	0	0	0	0	0	0	NA	0.248756	NA	0	NA
ATSG60010	RBOHH	1.188904	1.784246	0	0	0	0	1.07889	0	0	0	0	0	-0.51824	NA	-0.26789	NA	-0.47293	NA
ATSG60020	LAC17	60.6341	76.72258	52.79383	25.98218	29.14856	21.9305	27.56841	17.26224	14.64369	56.6126	77.15937	55.93895	-1.19895	2.98E-05	-1.52864	6.2E-07	0.003768	0.996222
ATSG60022	ATSG60022	8.322328	0	9.01358	9.412156	3.974804	2.990522	6.251214	2.15778	0.976246	0	5.321336	6.215439	-0.41033	0.578267	-0.53686	0.47817	-0.40322	NA
ATSG60030	ATSG60030	230.6474	174.8561	168.6827	164.1414	161.642	114.6367	151.1816	141.3346	307.5175	150.6471	166.2917	168.8528	-0.35898	0.245043	0.058043	0.884008	-0.23181	0.675201
ATSG60040	NRPC1	124.8349	90.99655	77.25926	72.17273	62.27192	78.75042	66.69776	67.97007	44.90732	79.64146	103.766	102.5447	-0.45179	0.086539	-0.68227	0.010964	-0.04522	0.94643
ATSG60050	ATSG60050	95.11232	71.36984	90.1358	49.90228	66.90919	58.81361	67.58706	58.26006	78.09968	71.00564	79.82004	63.15903	-0.55085	0.022557	-0.3287	0.232199	-0.27056	0.538161
ATSG60060	ATSG60060	0	0	0	0.412416	0	1.993682	0	0	0	1.330334	0	0	0.380987	NA	0	NA	0.194409	NA
ATSG60070	ATSG60070	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG60080	ATSG60080	0	3.568492	0	0	0	0	1.778607	0	0	0	0	0	-0.45344	NA	-0.14207	NA	-0.41978	NA
ATSG60090	ATSG60090	0	0	1.287654	0.412416	0	0	0	1.07889	0	2.878607	0	0	-0.16704	NA	-0.05005	NA	0.232976	NA
ATSG60100	APRR3	46.36725	58.88012	41.20494	280.855	269.6242	347.8974	942.6617	953.7387	721.4458	97.87263	126.3817	89.08796	2.516529	2.12E-32	4.032799	8.07E-84	1.034915	0.00023
ATSG60110	APUM18	3.566712	0	0	0.412416	0.662467	1.993682	0	1.07889	0.976246	0	1.330334	1.035907	-0.13704	0.85544	-0.26707	0.716901	-0.22116	NA
ATSG60120	TOE2	146.2352	155.2294	168.6827	194.6620	179.5286	204.3524	221.4366	229.8036	148.3894	196.7048	176.9344	154.3501	0.28953	0.18298	0.341022	0.12914	0.163549	0.685893
ATSG60130	ATSG60130	8.322328	1.784246	3.862963	0.412416	1.987402	0.996841	0	2.15778	0.904984	4.797678	2.660668	3.10772	-1.13482	0.083606	-0.71887	0.325268	-0.2601	NA
ATSG60140	ATSG60140	2.377808	1.784246	0	0.824831	0	0	0	0	0.976246	0	0	0.1035907	-0.46615	NA	-0.44689	NA	-0.42557	NA
ATSG60142	ATSG60142	33.28931	12.48972	18.02716	18.97112	9.274542	14.95261	16.89677	14.02557	24.40615	41.26003	37.24935	25.89766	-0.5115	0.264133	-0.21174	0.699319	0.600794	0.372568
ATSG60150	ATSG60150	46.36725	41.03766	23.17778	29.69392	35.11077	42.86415	45.35448	37.76115	31.23987	51.81492	43.90102	45.57989	-0.05957	0.887181	0.051531	0.909112	0.338822	0.558
ATSG60160	ATSG60160	455.3502	401.4554	437.8025	574.4994	581.6463	583.1519	509.5709	539.445	479.3368	514.3111	501.5359	425.7576	0.417039	0.000968	0.232061	0.104478	0.14854	0.503711
ATSG60170	ATSG60170	825.0993	843.9484	761.0037	642.9559	561.7722	701.7759	782.5871	835.0608	435.4057	663.9987	780.906	689.9137	-0.33991	0.138194	-0.23565	0.352734	-0.18157	0.661167
ATSG60180	APUM19	4.755616	1.784246	2.575309	0.412416	1.987402	0.996841	2.66791	2.15778	0	1.919071	2.660668	2.071813	-0.7493	0.28056	-0.47567	0.538776	-0.26574	NA
ATSG60190	NEDP1	53.50068	58.88012	64.38272	68.8734	79.49607	65.79149	65.80846	60.41784	89.51663	67.16749	85.14137	45.57989	0.266552	0.384726	0.27709	0.398645	0.142748	0.814283
ATSG60200	DOFS_3	14.74241	101.1202	101.10395	99.39215	78.17114	93.70303	93.70303	93.70303	99.57709	115.1443	121.0604	118.0933	-0.44526	0.039863	-0.42169	0.070319	-0.07576	0.879579
ATSG60210	ICR3	313.8706	335.4383	287.1469	304.7751	331.8961	366.8374	369.9502	383.0059	396.3559	322.404	284.6915	374.9982	0.095386	0.605331	0.294266	0.077532	0.074794	0.831533
ATSG60220	TET4	2.377808	0	5.150617	7.42348	12.58688	8.971567	15.86095	8.63112	6.833722	4.797678	2.660668	2.071813	1.248488	0.031069	1.161792	0.058503	0.104709	NA
ATSG60230	SEN2	67.76752	57.09587	63.09056	41.24156	70.22153	60.80729	52.46819	57.18117	41.97858	53.734	62.5257	50.75942	-0.14488	0.666073	-0.3021	0.36449	-0.17435	0.767978
ATSG60240	ATSG60240	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG60250	ATSG60250	8.322328	10.70548	11.58889	11.96005	10.59948	10.96525	8.003731	10.7889	12.6912	15.35257	9.312338	10.35907	0.123696	0.836218	0.032889	0.96157	0.185545	NA
ATSG60260	ATSG60260	2.377808	0	1.287654	0.824831	0	0	1.778607	0	0.976246	0	0	1.035907	-0.47004	NA	-0.12357	NA	-0.41392	NA
ATSG60270	LECRK17	77.27876	69.5856	65.67037	63.512	81.48347	100.6809	99.60199	117.599	102.5058	66.20796	55.87403	65.67508	0.172182	0.551263	0.561989	0.028656	-0.08842	0.880466
ATSG60280	LECRK18	73.71204	74.93833	70.82099	103.9287	119.2441	152.5166	118.2774	96.0212	85.90965	60.45074	85.14137	48.68761	0.732744	0.003463	0.435566	0.125171	-0.18187	0.739371
ATSG60285	ATSG60285	0	0	0	2.886909	6.624673	3.987363	1.778607	0	3.904984	0	0	0	1.57045	0.009409	0.814724	0.226245	0	NA
ATSG60290	ATSG60290	14.26685	10.70548	11.58889	3.71174	0.662467	5.981045	8.003731	8.63112	9.282738	11.51443	13.30334	10.35907	-1.44381	0.006236	-0.72013	0.226257	-0.05128	NA
ATSG60300	LECRK19	212.8138	148.0924	168.6827	92.38109	76.8462	103.6714	133.3955	147.8079	106.4108	128.5778	139.6851	141.9192	-0.94625	2.23E-06	-0.44865	0.043711	-0.36919	0.263611
ATSG60310	LECRK110	4.755616	5.352738	1.510617	1.649662	1.324935	1.993682	8.003731	2.15778	4.88123	5.757214	3.991002	4.143626	-0.12272	0.10633	0.0			

ATSG60800	ATSG60800	156.9353	206.9725	148.0802	839.6781	937.3912	831.3652	760.3545	775.7219	1635.212	87.31774	95.78405	107.7343	2.239961	3.31E-19	2.509225	6.12E-24	-0.75972	0.045936
ATSG60805	ATSG60805	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG60810	RGF1	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG60820	ATSG60820	110.5681	107.0548	115.8889	129.0861	124.5438	144.5419	120.9453	125.1512	144.4844	110.3466	118.3997	130.5242	0.239651	0.239161	0.218984	0.326078	0.100889	0.810026
ATSG60830	AtbZ1P70	1.188904	0	1.287654	0	0.824831	0	2.990522	0.889307	0	0.995336	1.330334	0	0.152411	NA	-0.29033	NA	-0.0208	NA
ATSG60840	ATSG60840	21.17071	330.0855	324.4889	275.4936	329.9087	244.226	169.857	132.7035	272.3726	241.803	282.0308	265.1921	-0.11475	0.693011	-0.6577	0.006877	-0.06119	0.61756
ATSG60850	DOBS	64.01892	526.3526	502.1852	284.5667	274.9239	339.9417	212.5435	234.1191	205.9879	503.7562	578.6953	394.6804	-0.88969	1.27E-07	-1.32838	3.6E-15	-0.17725	0.589239
ATSG60860	RAFA1	223.5139	331.8698	347.6667	127.8488	142.4305	147.5324	115.6095	96.0212	135.6982	296.4965	264.7365	305.5924	-1.08316	1.23E-08	-1.08316	1.23E-08	-0.05011	0.919568
ATSG60870	ATSG60870	30.9115	24.97944	36.05432	35.88015	29.81103	26.9147	21.34328	25.89336	28.31113	29.7456	21.28534	40.40035	0.016815	0.970336	-0.27854	0.511008	-0.00555	0.995576
ATSG60880	BASL	13.07794	10.70548	3.826963	30.93117	21.86142	27.91154	16.00746	19.42002	26.35864	16.31211	25.27635	20.71817	1.324939	0.001532	0.958909	0.037499	0.956937	0.136331
ATSG60890	MYB34	260.37	219.4623	224.0519	121.2502	136.4683	133.5767	146.7351	112.2046	99.57709	240.8434	223.4961	101.7343	-0.8344	7.6E-06	-0.94727	0.478-07	0.114709	0.776713
ATSG60900	RLK1	286.5259	253.3629	239.5037	684.1974	616.0946	771.5548	408.1903	439.1082	321.1849	94.99403	106.4267	122.237	1.381208	1.33E-17	0.569806	0.001462	-1.23504	4.39E-10
ATSG60910	AGL8	84.41218	82.07532	66.95803	107.228	68.23413	64.79465	76.4801	91.70564	69.31347	98.83217	99.77505	102.5547	0.065677	0.842991	0.022433	0.951475	0.354053	0.41486
ATSG60920	COB	2425.364	2021.551	1934.057	1056.609	969.1896	1136.398	937.3259	1021.709	894.2413	1636.968	2019.447	1526.926	-0.99959	9.36E-13	-1.14497	2.82E-16	-0.29731	0.18969
ATSG60930	ATSG60930	269.8812	201.6198	190.5728	176.5139	178.2037	176.4408	145.8458	207.1469	140.5794	248.5197	279.3701	211.3249	-0.31424	0.153672	-0.42067	0.060952	0.146906	0.723696
ATSG60940	CST50	206.8693	185.5616	230.4901	244.9749	286.8483	265.1596	231.2189	243.8291	211.8454	198.6239	220.8354	238.2585	0.340398	0.038796	0.131091	0.516705	0.06897	0.856415
ATSG60945	ATSG60945	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG60950	COB15	57.06739	71.36984	66.95803	294.8771	282.8735	249.2102	115.6095	90.62675	122.0307	36.46235	30.59768	22.78994	2.043775	1.25E-24	0.735849	0.001342	-1.03727	0.000868
ATSG60960	PNM1	398.2828	388.9656	341.2284	322.0966	357.0699	311.0143	299.6953	329.0614	373.9022	399.1668	389.7879	385.3572	-0.18371	0.24123	-0.16817	0.321045	0.058039	0.861847
ATSG60963	ATSG60963	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG60964	ATSG60964	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG60966	ATSG60966	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG60970	TCP5	85.60108	83.85956	114.6012	132.7978	123.2189	148.5293	128.0597	106.8101	67.36097	101.7108	122.3907	95.3034	0.481342	0.061328	0.082143	0.814201	0.151161	0.778505
ATSG60978	ATSG60978	0	0	0	1.324935	0.996841	0	0	0	0	0	0	0	0.378333	NA	0	0.281171	0.169764	NA
ATSG60980	ATSG60980	630.1191	520.9998	511.1988	525.8299	510.0998	527.3288	460.6592	456.3704	553.5315	470.1725	476.2596	532.456	-0.09057	0.59271	-0.17739	0.281171	-0.16897	0.508
ATSG60990	RH10	187.8468	140.9554	217.6136	226.0037	211.3271	199.3682	213.4328	236.2769	230.3941	174.6355	174.2738	227.8994	0.207584	0.322498	0.295244	0.163841	0.066083	0.882426
ATSG61000	RA1D	166.4466	101.702	141.642	129.0861	116.5942	110.6493	105.8271	94.94231	147.7685	147.7685	147.6671	172.9964	-0.20515	0.39354	-0.55257	0.015011	0.17258	0.679323
ATSG61010	ATEX07E2	562.3516	453.1985	379.858	588.9294	739.3135	693.8012	739.0112	653.8073	594.5338	339.6756	333.9138	339.7773	0.521497	0.002139	0.499122	0.004329	-0.45365	0.05915
ATSG61020	ECT3	758.5207	667.308	736.5383	731.2128	714.8022	705.7633	699.8818	701.2785	745.8519	687.0275	709.068	763.7614	-0.0096	0.950262	-0.01383	0.930978	-0.00544	0.987026
ATSG61030	RGB3	115.3237	80.29107	90.1358	114.6515	105.9948	94.69987	59.58333	64.7334	88.8339	99.79171	74.4987	65.26211	0.134532	0.650651	-0.41729	0.136517	-0.24931	0.959343
ATSG61040	ATSG61040	197.3581	196.2671	212.463	143.1082	142.4305	146.5356	184.0858	175.8591	156.1994	225.4909	244.7815	191.6427	-0.48294	0.003172	-0.22826	0.230015	0.11968	0.71872
ATSG61050	ATSG61050	0	0	0	0	0	0.662467	0	0.889303	0	0.995936	0	0	0.100335	NA	0.144523	NA	0.157063	NA
ATSG61060	HDAS	287.7148	264.0684	186.7099	324.9835	349.1203	358.8627	346.8284	316.1148	280.1262	229.329	186.2468	215.466	0.473397	0.009658	0.347332	0.081137	-0.21597	0.522233
ATSG61070	HD1A	33.28931	21.41095	15.45185	43.71605	34.4483	30.90206	27.56841	29.13003	16.59618	17.27164	18.62468	23.82855	0.589989	0.124172	0.039678	0.941887	-0.22058	0.788537
ATSG61090	ATSG61090	3.566712	1.784246	2.575309	5.73818	6.624673	8.971567	7.114428	2.15778	2.928738	3.838143	6.65167	2.071813	0.898496	0.153238	0.339247	0.6624	0.319659	NA
ATSG61100	ATSG61100	7.133424	5.352738	2.575309	3.71174	4.637271	3.987363	8.893035	2.15778	2.928738	0.575214	3.991002	8.287252	-0.21254	0.775691	-0.05244	0.95036	0.195998	NA
ATSG61110	ATSG61110	0	0	1.287654	0	0	0	0	0	0	0	0	0	-0.22221	NA	-0.2076	NA	-0.03666	NA
ATSG61120	ATSG61120	3.566712	3.568492	1.287654	6.598469	9.937009	0.996841	5.11816	8.63112	6.833722	6.716749	5.321336	7.251346	0.666696	0.303308	1.232215	0.046244	0.712811	NA
ATSG61130	PDCB1	479.1283	371.1232	444.2407	334.469	314.672	333.9417	235.6614	252.4602	252.8477	503.7562	473.5989	376.0341	-0.39633	0.012616	-0.79758	2.51E-07	0.057322	0.876205
ATSG61140	ATSG61140	716.9091	594.1539	582.0198	387.6706	328.5838	419.67	510.4602	595.5472	389.5222	579.5595	556.0796	613.2567	-0.72511	2.74E-05	-0.33549	0.084354	-0.11293	0.762006
ATSG61150	VIP4	527.8734	462.1197	475.1445	488.238	476.314	506.3951	450.8769	578.285	573.0564	421.2361	445.6619	476.517	-0.00012	0.999765	-0.122979	0.084026	-0.12644	0.646732
ATSG61160	ACT	13.07794	23.1952	12.87654	1.649662	1.324935	0.996841	117.3881	129.4668	136.6744	4.797678	7.982004	25.89766	-2.41622	3.07E-07	2.77544	9.35E-14	-0.24968	0.791433
ATSG61170	RPS19C	904.7559	842.1641	855.0025	1109.81	1070.547	853.2957	689.2102	675.3851	972.341	1090.992	1168.033	1082.522	0.219002	0.236967	-0.15258	0.459807	0.353269	0.159404
ATSG61180	ATSG61180	0	0	0	0.662467	0.996841	1.778607	0	0.97246	1.019197	1.019197	0	0	0.228496	NA	0.440967	NA	0.318286	NA
ATSG61190	ATSG61190	236.5919	240.8732	200.8741	216.1058	192.778	256.1881	179.6339	258.9336	203.0592	243.722	231.4781	211.3249	-0.03154	0.901855	-0.07972	0.755528	0.019549	0.97086
ATSG61200	ATSG61200	90.35657	71.36984	112.0259	115.5195	71.54647	68.78201	55.13682	58.26006	70.28971	112.2657	103.766	124.3088	-0.52433	0.032889	-0.56269	0.029697	0.29402	0.481893
ATSG61210	SNAP33	652.7083	669.0923	606.4852	1159.713	1197.078	1244.057	1092.954	1088.6	949.8874	578.6	546.7673	532.456	0.89402	2.38E-17	0.695087	1.48E-10	-0.21381	0.250598
ATSG61220	ATSG61220	85.60108	98.13353	97.86173	141.871	153.0299	88.71883	99.60199	69.04896	150.3419	75.80331	47.89202	96.33931	0.428522	0.20401	0.172151	0.671566	-0.31951	0.589945
ATSG61228	CPuORF15	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG61230	ATSG61230	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG61240	ATSG61240	322.193	344.3595	410.7617	388.9079	348.4578	412.6921	332.5995	342.0081	245.0377	316.6468	325.9318	304.5565	0.09053	0.663587	-0.22495	0.253918	-0.18363	0.560244
ATSG61250	AtGUS1	64.20081	42.60615	65.67037	203.7333	218.6142	191.3934	102.2699	117.599	72.2422	45.09817	38.57969	40.40035	1.737427	1.97E-15	0.688334	0.006293	-0.49798	0.252802
ATSG61260	ATSG61260	9.511232	12.48872	9.01358	18.97112	25.17376	21.9305	13.33955	15.10446	7.809968	12.47396	21.28534	7.251346	0.950962	0.036992	0.18864	0.764258	0.311612	0.92
ATSG61270	BHLH72	342.4043	376.																

ATSG61730	ATATH11	1.188904	0	2.575309	0.824831	2.649869	0.996841	2.66791	2.15778	1.952492	0.959536	0	1.035907	0.05626	0.948145	0.35737	0.651463	-0.29508	NA
ATSG61740	ATATH14	43.98945	37.46917	46.35556	47.01538	35.11077	37.87995	31.12562	45.31338	32.21612	35.50282	46.56169	40.40035	-0.07841	0.835386	-0.23853	0.519652	-0.07762	0.916924
ATSG61750	ATSG61750	2.377808	0	0	0	0	0	0	0	0	0	0	0	-0.32938	NA	-0.31889	NA	-0.31551	NA
ATSG61760	IPK2B	127.2127	117.7602	124.9025	169.9152	175.5538	152.5166	135.1741	116.5201	162.0568	140.0922	137.0244	129.4883	0.421383	0.024854	0.155964	0.503997	0.128981	0.743627
ATSG61770	PPAN	204.4915	221.2465	239.5037	250.7487	268.9617	237.2481	283.6878	222.2513	321.1849	221.6527	252.7635	225.8276	0.185311	0.341287	0.311077	0.104169	0.069922	0.864774
ATSG61780	Tudor	865.5221	538.8423	592.321	401.6928	430.6037	422.6605	445.541	539.445	447.1207	514.3111	545.4369	600.8258	-0.66026	0.000024	-0.47403	0.013175	-0.26436	0.392253
ATSG61790	CNX1	15.7776	1388.143	1294.093	3935.269	4215.942	4212.649	2542.519	3048.943	3376.835	1219.57	1285.103	1110.492	1.517139	1.48E-32	1.05943	3.64E-16	-0.23466	0.300853
ATSG61800	PCMP-18	11.88904	14.27397	14.1642	16.90904	15.89921	23.92418	13.33955	21.5778	16.51994	16.31211	10.64267	18.64632	0.412024	0.377525	0.276127	0.609042	-0.17463	0.86061
ATSG61810	ATSG61810	247.292	296.1848	262.6815	233.4272	208.6772	290.0807	204.5398	249.2236	257.7289	272.5081	194.2288	297.3052	-0.1372	0.56686	-0.17276	0.486523	-0.0657	0.89041
ATSG61820	ATSG61820	180.7134	201.6198	206.0247	319.2097	292.1481	412.6921	469.5522	496.2894	306.5412	284.9821	238.1298	250.6894	0.771297	0.00023	1.080112	1.35E-07	0.385274	0.260845
ATSG61830	ATSG61830	128.4016	142.7397	137.1779	119.1881	147.7302	118.2241	148.5137	98.17898	136.6744	132.4159	109.0874	156.4219	-0.07856	0.776655	-0.08197	0.783492	-0.0286	0.961629
ATSG61835	ATSG61835	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG61840	IRX10L	297.226	260.4999	270.4074	297.3516	306.0599	306.0301	261.4552	298.8525	246.9902	288.8202	268.7275	269.3357	0.127663	0.431528	-0.04302	0.830375	-0.00517	0.990348
ATSG61850	LFY	8.322328	3.568492	5.150617	3.299325	3.312336	2.990522	2.66791	3.23667	3.904984	2.878607	9.312338	5.179533	-0.59556	0.363924	-0.56443	0.426792	-0.03717	NA
ATSG61865	ATSG61865	10.70014	12.48972	11.58889	11.54764	16.56168	22.92734	21.34328	17.26224	15.61994	14.33053	6.65167	13.46678	0.433697	0.383154	0.558302	0.276421	0.020167	NA
ATSG61880	ATSG61880	26.15589	41.03766	52.79383	82.89553	105.9948	78.75042	56.91542	63.65451	98.60085	58.53167	62.5257	47.47127	1.090633	0.000281	0.812806	0.012027	0.411532	0.459281
ATSG61890	ERF114	3.566712	5.352738	3.862963	13.1973	10.59948	18.93997	10.67164	12.94668	14.64369	6.716749	6.65167	2.071817	1.330642	0.01059	1.199358	0.300444	0.158825	NA
ATSG61900	BON1	0	0	3.862963	0	0	0	0	0	1.07889	0.972626	1.330334	2.071813	-0.68599	NA	-0.25457	NA	-0.06599	NA
ATSG61910	BON1	128.2696	189.1301	191.8605	110.9398	82.80841	159.4945	149.403	151.0446	73.21845	199.5834	198.2198	163.6732	-0.7572	0.007073	-0.66986	0.023425	-0.114	0.859725
ATSG61920	FLX14	8.322328	14.27397	19.31482	10.92213	21.86142	14.95261	19.56468	18.34113	25.3824	13.4335	21.28534	18.64632	0.094909	0.857828	0.386019	0.430254	0.147838	0.879034
ATSG61930	AP03	72.52314	73.15409	86.27284	87.24452	80.82101	78.75042	86.26244	90.62675	77.12443	81.56053	94.45371	78.7289	0.09481	0.723098	0.122448	0.664537	0.120514	0.798327
ATSG61940	ATSG61940	47.55616	46.39049	37.34198	30.93117	35.77323	51.83572	39.12935	58.26006	35.14466	43.19071	29.93701	59.04667	-0.16211	0.697319	0.00092	0.984987	0.005065	0.9607
ATSG61950	ATSG61950	58.25629	55.31163	47.64321	42.89122	43.06037	51.83572	76.4801	49.62894	36.1211	50.85539	53.21336	52.83123	-0.22542	0.508618	0.017194	0.967597	-0.03707	0.963016
ATSG61960	ML1	726.4203	672.6608	606.4852	466.0296	427.9539	521.3477	517.5746	613.8884	441.2632	536.3804	493.5539	546.9586	-0.49782	0.00128	-0.34653	0.037627	-0.34041	0.142025
ATSG61970	ATSG61970	523.1177	492.4519	488.021	474.2779	505.4625	494.433	503.3458	491.9738	449.0732	443.3003	423.0462	450.6193	-0.03117	0.838488	-0.05859	0.707655	-0.18939	0.330592
ATSG61980	AGD1	23.77808	21.41095	16.73951	20.62078	23.18635	20.93366	16.26677	30.20892	14.64369	29.7456	13.30334	31.0772	0.054376	0.919295	-0.01725	0.976516	0.254055	0.76016
ATSG61990	ATSG61990	129.5905	132.0342	95.28462	63.512	58.95959	82.73778	86.26244	98.17898	63.45599	86.35821	89.13238	104.6266	-0.07862	0.000856	-0.50331	0.050326	-0.33053	0.417832
ATSG61997	ATSG61997	0	0	0	0	0	0	0.889303	1.07889	0	0	0	0	0	0	0.3225	NA	0	NA
ATSG62000	ARF2	2959.182	2801.266	2554.706	1746.992	1459.415	1953.808	2022.276	2490.078	1631.307	2136.886	2144.498	2180.583	-0.67614	3.77E-05	-0.42881	0.014772	-0.35697	0.155459
ATSG62020	HSF2A	58.25629	76.72258	65.67037	108.4653	83.47088	148.5293	124.5025	168.3068	166.9381	65.24842	58.53469	71.47755	0.725301	0.005158	1.153153	4.07E-06	-0.0237	0.975947
ATSG62030	ATSG62030	184.2801	208.7568	167.3951	151.3565	163.6294	175.444	184.9751	182.3324	198.1779	167.9187	204.8714	163.6732	-0.18956	0.316343	0.020817	0.932882	-0.06119	0.879636
ATSG62040	BFT	2.377808	1.784246	2.575309	0.824831	0	0.996841	0	0.996841	0	0.996841	0	0.996841	-0.85288	0.207831	-0.37345	0.641747	1.57153	NA
ATSG62050	OXA1	203.2036	194.4828	204.737	244.15	225.9013	224.2892	249.8943	261.0914	204.0354	173.6759	232.8084	181.2836	0.202047	0.288606	0.239571	0.227064	-0.04558	0.917438
ATSG62060	ATSG62060	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19198	NA
ATSG62065	LTP14	0	1.784246	0	0	0.662467	0	0	0	0	0	0	0	-0.14593	NA	-0.24789	NA	0.195098	NA
ATSG62070	IQD23	164.0687	162.3664	169.9704	230.1279	184.1659	198.3713	176.0821	169.3857	188.4155	129.5373	111.7481	119.1293	0.304846	0.08649	0.102619	0.647513	-0.44779	0.077727
ATSG62080	ATSG62080	3.566712	23.1952	15.45185	4.536571	2.649869	0	1.07889	0	1.07889	0	56.6126	19.95501	-2.25389	0.009119	-1.25389	0.00016	0.909035	NA
ATSG62090	SLK2	489.8284	451.4142	414.6247	331.1697	262.9995	378.7995	340.6032	412.136	311.4225	377.0975	399.1002	410.219	-0.47407	0.006253	-0.34459	0.066107	-0.1897	0.549468
ATSG62100	BAG2	54.68958	73.15409	91.42346	52.37678	41.73544	52.83256	37.35075	36.68226	58.57476	96.9131	95.78405	105.6625	-0.54743	0.046219	-0.682331	0.017574	0.432497	0.303489
ATSG62110	ATSG62110	0	0	0	0	0	0	1.07889	0	0	0	0	0	0	0	0	NA	0	NA
ATSG62120	ARR23	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG62130	ATSG62130	312.6817	235.5205	231.7778	148.882	180.1911	181.425	116.4988	114.3623	73.21845	260.0342	275.3791	266.228	-0.60668	0.002253	-1.32314	1.9E-11	0.033462	0.949912
ATSG62140	ATSG62140	171.2022	176.6404	236.9284	188.4739	201.3901	153.5135	182.3072	188.8057	290.9213	373.2594	469.6079	286.9461	-0.10048	0.748637	0.169249	0.586079	0.908825	0.001775
ATSG62150	ATSG62150	2.377808	1.784246	0	15.25938	19.87402	18.93997	20.45398	11.86779	16.59618	2.878607	3.991002	4.143626	2.394801	3.65E-06	2.26581	1.99E-09	0.556708	NA
ATSG62160	ZIP12	0	0	1.287654	0.412416	0	0	0	0	0	0	0	0	-0.11886	NA	-0.20136	NA	-0.19779	NA
ATSG62162	MIR399C	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG62165	AGL42	42.80054	51.74313	45.0679	15.67179	11.92441	4.984204	16.00746	20.49891	6.833722	87.31774	71.83803	61.11849	-1.79671	2.26E-07	-1.51488	3.23E-05	0.634366	0.214789
ATSG62170	ATSG62170	150.9908	98.13353	84.98519	40.41673	39.74804	29.90522	35.57214	24.81447	29.28738	102.11542	110.4177	100.4829	-1.51363	2.31E-09	-1.79199	2.32E-11	-0.14631	0.917121
ATSG62180	CXE20	26.15589	16.05821	23.17778	28.04426	29.14856	24.92102	28.45771	26.35864	27.82653	22.61568	24.86176	0.282279	0.47703	0.163485	0.272145	0.16414	0.838515	
ATSG62190	RH7	2166.183	1816.362	1813.017	1363.033	1310.36	1545.103	1865.759	2101.678	1810.936	1510.309	1597.731	1599.44	-0.45615	0.000208	-0.00563	0.975297	-0.29826	0.090897
ATSG62200	ATSG62200	103.4346	110.6233	100.437	199.1967	204.7024	184.4155	231.2189	225.488	250.8952	128.5778	170.2827	154.3501	0.891427	1.5E-07	1.14975	8.91E-12	0.509049	0.045791
ATSG62210	ATSG62210	54.68958	74.98333	50.21852	39.5919	38.4231	19.93682	22.23259	34.52448	33.19236	27.81592	135.6941	63.1903	-0.76395	0.030226	-0.90372	0.013637	-0.58606	0.27087
ATSG62220	ATG118	404.2273	397.8869	316.763	134.4475	122.5564	161.4882	96.93408	118										

ATS62730	NPF4.7	23.77808	35.68492	24.46543	6.186234	7.28714	11.96209	3.557214	7.55223	7.809968	30.70514	26.60668	41.43626	-1.56051	8.66E-05	-1.8078	2.55E-05	0.256035	0.744238
ATS62740	HIR1	441.0834	628.0546	554.979	865.2479	898.9681	826.381	826.1629	896.5575	1079.728	566.126	553.4189	454.763	0.666455	4.48E-05	0.777062	1.77E-06	-0.03999	0.926068
ATS62750	ATS62750	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATS62760	ATS62760	122.4571	92.78079	101.7247	138.984	135.8058	131.583	126.2811	125.1512	101.5296	132.4159	137.0244	132.596	0.34042	0.085004	0.137976	0.572191	0.320271	0.304889
ATS62770	ATS62770	40.42273	41.03766	51.50617	186.8243	171.579	178.4345	95.15547	87.39009	105.4346	23.02886	29.26735	22.78994	1.952413	1.85E-20	1.068319	3.74E-06	-0.78729	0.035577
ATS62780	ATS62780	0	0	0	0	0	0	0.889303	0	0.976246	0.995936	0	0	0	NA	0.330664	NA	0.175063	NA
ATS62790	DXR	1970.014	2076.862	1998.44	1218.276	1201.716	1252.032	1682.562	1614.019	1644.975	2336.469	2159.132	2384.657	-0.71537	9.85E-18	-0.28821	0.001501	0.187472	0.159175
ATS62800	ATS62800	0	1.784246	0	0	0	0	0.889303	1.07889	0	0.995936	0	2.071813	-0.37758	0	0.080927	NA	0.267511	NA
ATS62810	PEX14	795.3767	747.5991	703.0593	749.3591	614.7696	723.7064	863.5137	940.792	746.8282	657.2819	562.7313	654.6929	-0.10391	0.543105	0.180578	0.27857	-0.25547	0.26757
ATS62820	ATS62820	16.64466	12.48972	20.60247	25.56977	24.51129	22.92734	31.12562	19.42002	12.6912	15.35257	15.96401	16.5745	0.482649	0.265414	0.29426	0.559343	-0.07064	0.949285
ATS62830	ATS62830	0	0	0	0	0	0	0	0	0	0	1.330334	0	0	NA	0.173262	NA	0.478922	0.138182
ATS62840	ATS62840	134.3461	157.0137	171.258	99.80457	104.0074	64.79465	160.9639	166.1491	142.5319	217.8146	259.4151	175.0682	-0.73711	0.000866	0.023025	0.942911	0.384222	NA
ATS62848	MIR420	0	0	0	0	0	0	0.889303	0	0	0	1.330334	1.035907	0	NA	0.162563	NA	0.478922	NA
ATS62850	SWEETS	7.133244	10.70548	12.87654	4.536571	4.637271	4.984204	16.00746	5.39445	7.809968	17.27164	13.30334	11.39497	-0.88047	0.101059	-0.0253	0.971995	0.39637	NA
ATS62860	ATS62860	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATS62865	ATS62865	20.21137	17.84246	27.04074	70.11065	68.23413	85.72831	55.13682	69.04896	94.69586	20.15025	13.30334	27.96948	1.627024	1.91E-07	1.597411	5.37E-07	-0.07709	0.933811
ATS62880	ARAC10	205.6804	235.5205	243.3667	352.2029	330.5712	343.9101	348.607	255.6969	354.3773	342.5542	395.1092	270.3716	0.57342	0.002119	0.47816	0.015417	0.54343	0.029174
ATS62890	NAT6	1091.414	80.40379	825.3864	762.5564	691.6158	786.5074	692.7674	759.5385	673.6097	821.3625	719.7107	782.1094	-0.29839	0.044602	-0.37305	0.012904	-0.24499	0.288581
ATS62900	ATS62900	58.25629	55.31163	52.79383	159.6048	174.8914	147.5324	171.6356	126.2301	212.8216	71.96517	70.5077	54.90305	1.472619	1.52E-10	1.552282	2.1E-11	0.225474	0.654642
ATS62910	250.8587	221.2465	224.0519	204.9705	222.589	253.1976	220.5473	261.0914	326.0662	216.8551	234.1388	218.5763	0.205764	-0.04207	0.859828	0.205764	0.334932	-0.05972	0.89034
ATS62920	ARR6	191.4135	230.1677	272.9827	83.72036	107.9822	61.80433	59.58333	35.60337	81.02842	92.6584	91.5681	267.2639	-1.36957	2.27E-07	-1.8594	4.89E-12	0.113565	0.856492
ATS62930	ATS62930	284.148	299.7533	346.379	307.2496	343.8205	315.9985	229.4403	291.3003	307.5175	269.6295	266.0668	265.1921	0.053967	0.79008	-0.16784	0.380913	-0.21283	0.44746
ATS62940	DOF5.6	72.52314	35.68492	43.78025	23.09527	30.47349	23.92418	36.46144	23.73558	19.52492	36.46235	69.17737	48.68761	-0.90976	0.009986	-0.8583	0.022164	-0.01027	0.991988
ATS62950	ATS62950	134.3461	135.6027	137.779	203.7333	237.8258	153.5135	186.7537	124.0723	191.3442	130.4968	162.3007	116.2015	0.532314	0.023498	0.292562	0.279324	-0.00265	0.99684
ATS62960	ATS62960	73.71204	33.90067	46.35556	24.74493	21.19895	26.9147	21.34328	20.49891	24.40615	62.36982	89.13238	66.29802	-1.03941	0.000835	-1.14688	0.000496	-0.440989	0.383754
ATS62970	ATS62970	0	0	0	0	0	0	0.889303	0	0	0	0	0	0	NA	0.160764	NA	0.478922	NA
ATS62980	FOLB2	130.7794	107.0548	110.7383	139.3965	190.1281	121.6146	173.4142	97.10009	192.3205	168.8783	191.5681	146.0628	0.352652	0.221575	0.388117	0.196418	0.506322	0.214516
ATS62990	emb1692	90.3567	85.64381	73.3963	95.68041	109.3071	106.662	122.7239	131.6246	160.1043	76.76285	86.47171	73.54936	0.305487	0.178019	0.712451	0.000698	-0.07843	0.879636
ATS62998	ATS62998	0	0	0	0.412416	0	0	0.996841	0	0	0.976246	0	1.330334	0	NA	0.236171	NA	0.201591	NA
ATS63000	ATS63000	79.65566	85.64381	86.27284	139.8089	117.9192	105.6651	94.26617	116.5201	129.8407	78.68192	73.16837	104.6266	0.527204	0.022543	0.421092	0.095543	0.033628	0.958517
ATS63010	ATS63010	52.31177	46.3904	61.80741	58.56301	50.34751	61.80413	80.03731	73.36452	64.43224	46.05771	42.57069	41.43626	0.070115	0.829241	0.415129	0.133895	-0.2974	0.537149
ATS63020	ATS63020	357.8601	430.0033	337.3654	278.7929	220.6016	289.0838	295.2488	405.6626	256.5727	299.3751	297.9948	308.7001	-0.49746	0.011652	-0.2248	0.327258	-0.30024	0.508185
ATS63030	GRX1C	153.3686	160.5821	178.984	406.2293	398.1428	313.008	314.8134	298.8525	592.5813	237.9648	203.5411	218.5763	1.132244	2.58E-06	1.23565	2.9E-07	0.401973	0.330556
ATS63040	ATS63040	185.469	162.3664	166.1074	94.85558	101.3575	103.6714	158.296	163.9913	92.60085	115.1464	147.6671	139.8474	-0.7611	0.000301	-0.28296	0.252391	-0.34912	0.319028
ATS63050	EMB2759	342.4043	330.0855	318.0506	233.0148	247.1003	262.1691	292.5808	280.5114	257.7289	341.5947	297.9948	311.8079	-0.41804	0.002324	-0.25031	0.10379	-0.05464	0.866158
ATS63060	ATS63060	149.8019	171.2876	203.4494	93.20592	101.3575	91.70935	124.5025	101.4157	124.9595	282.1035	255.4241	214.4327	-0.85035	5.86E-06	-0.56124	0.005455	0.510449	0.045306
ATS63063	ATS63063	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATS63065	ATS63065	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATS63070	RP515F	0	0	0	0	0.662467	0	1.07889	0	0	0	2.660668	0	0.081727	NA	0.150165	NA	0.348649	NA
ATS63080	ATS63080	108.1903	137.3869	153.2309	206.2078	225.9013	182.4219	230.3296	174.7802	181.5818	132.4159	150.3277	169.8887	0.615414	0.002102	0.5485	0.00921	0.179872	0.653508
ATS63085	ATS63085	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATS63087	ATS63087	0	0	1.287654	0.824831	1.987402	0	1.778607	0	0	3.838143	0	2.071813	0.207981	0.771524	0.048916	0.950254	0.585128	NA
ATS63090	LOB	22.58917	26.76369	28.3284	28.86909	25.17376	19.93682	14.22866	22.65669	15.61994	23.98839	18.62468	25.89766	-0.02781	0.954131	-0.51597	0.222531	-0.14664	0.861927
ATS63100	ATS63100	64.20081	62.44861	69.53333	35.05532	36.4357	34.88943	31.42562	33.44559	59.55101	51.81492	46.56169	54.90305	-0.83884	0.002534	-0.62779	0.038062	-0.33495	0.506472
ATS63110	HDA6	184.2801	189.1301	180.2716	234.6645	230.3775	189.3997	181.4179	168.3068	237.2278	168.8783	159.6401	166.781	0.186617	0.358748	0.084748	0.728169	-0.15421	0.672254
ATS63120	RH30	184.2801	189.1301	158.3815	166.6159	160.3171	161.4882	170.7463	172.6224	123.9832	144.8899	141.0154	164.7091	-0.11495	0.598874	-0.17903	0.423361	-0.22791	0.492249
ATS63130	ATS63130	8.322328	7.136984	10.30123	62.27475	57.63465	107.6588	60.47264	53.9445	88.83839	6.716749	11.97301	12.43088	2.696136	1.46E-12	2.555546	3.78E-11	0.14063	0.896184
ATS63135	ATS63135	60.6341	42.8219	57.94455	126.1992	105.3323	68.78201	57.80473	66.89118	118.2548	64.28889	41.24035	64.2262	0.834321	0.010421	0.532034	0.144121	0.063068	0.942392
ATS63140	PAP29	67.76752	48.17464	74.68395	45.77813	64.25933	44.85784	60.42985	53.9445	62.47974	58.53167	39.91002	63.1903	-0.30023	0.322164	-0.08845	0.815575	-0.22854	0.676812
ATS63145	ATS63145	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATS63150	ATS63150	115.3237	139.1712	155.8062	210.3319	243.1255	166.4724	196.5361	156.439	233.3228	165.0401	183.5861	175.0682	0.585982	0.00628	0.530208	0.027136	0.340909	0.336936
ATS63160	BT1	323.3819	294.4006	303.8864	217.7554	235.8383	273.1344	496.2313	421.846	503.7429	427.9529	591.9986	360.4955	-0.34248	0.09774	0.609333	0.001821	0.562614	0.026396
ATS63168	ATS63168	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATS63170	ATS63170	0	0	0	0	0	0	1.778607	1.07889	0	0	0	0	0	NA	0.460477	NA	0	NA
ATS63180	ATS63180	725.2314	917.1025	888.4815	730.														

ATSG63700	ATSG63700	271.0701	264.0684	248.5173	193.4229	184.1659	161.4882	161.8532	149.9657	147.4131	248.5197	254.0938	284.8743	-0.52085	0.000499	-0.75662	7.44E-07	0.008121	0.98603
ATSG63710	ATSG63710	292.4704	280.1266	289.7222	174.8642	215.3019	227.2797	187.643	204.9891	201.1067	253.3174	212.8534	243.438	-0.48745	0.002027	-0.53178	0.001142	-0.27337	0.290487
ATSG63715	MIR166G	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG63720	KPL	0	0	0	0	0	0	0	0	0	0.959536	0	0	0	NA	0	NA	0.171512	NA
ATSG63730	ARI14	1.188904	0	0	0.412416	0.662467	0	0	0	0.976246	0	0	0	-0.00662	NA	-0.04652	NA	-0.23374	NA
ATSG63740	ATSG63740	0	1.784246	0	0	0	0	0	0	0	0	0	0	-0.2184	NA	-0.20558	NA	-0.19918	NA
ATSG63750	ARI13	1.188904	3.568492	3.862963	2.886909	1.987402	0.996841	3.557214	2.15778	0.976246	3.888143	3.991002	1.035907	-0.23537	0.768178	-0.16422	0.850854	0.041047	NA
ATSG63760	ARI15	141.4796	119.5445	132.6284	158.3676	170.2541	147.5324	172.5249	165.0702	137.6507	117.0633	130.3727	96.33931	0.264735	0.192409	0.528735	0.235767	-0.20445	0.574235
ATSG63770	DKG2	183.0912	196.2671	163.5321	197.1346	161.642	215.3176	202.7612	215.778	168.8906	153.5257	175.6041	156.4219	0.079376	0.729646	0.115107	0.626153	-0.15673	0.667432
ATSG63780	SHA1	709.7757	815.4004	807.3593	398.8059	426.6289	429.6384	1517.152	1352.928	1260.334	1206.136	1249.184	1194.4	-0.88593	1.18E-14	0.819737	2.77E-13	0.641877	6.86E-07
ATSG63790	NAC102	97.49012	144.5239	139.0667	438.8102	365.0195	475.4931	542.4751	554.5494	552.5552	84.43914	83.81104	123.2729	1.710898	1.6E-20	2.07132	1.01E-29	-0.3582	0.304703
ATSG63800	BGAL6	2029.459	2440.849	2231.505	1245.907	1147.393	1285.925	1749.26	1640.992	1214.45	2076.435	2141.838	2127.752	-0.85187	2.08E-09	-0.53245	0.000373	-0.07671	0.815889
ATSG63810	BGAL10	466.0503	533.4896	418.4877	291.9902	308.0473	413.6889	672.3134	679.7007	722.422	376.138	340.5655	440.2603	-0.47994	0.006166	0.542165	0.001859	-0.28201	0.319899
ATSG63820	ATSG63820	14.26685	5.352738	16.73951	8.248311	5.962205	8.971567	12.45025	8.63112	15.61994	14.39303	15.96401	10.35907	-0.59444	0.248589	-0.02311	0.972376	0.088766	NA
ATSG63830	ATSG63830	59.4452	67.80135	50.21852	61.03751	72.8714	63.79781	60.47264	52.86561	75.17094	64.28889	53.21336	68.36983	0.158315	0.59432	0.097078	0.779488	0.083219	0.89041
ATSG63840	PSL5	758.5207	706.5614	646.4025	510.1581	459.0898	569.1961	518.4639	658.1229	439.3107	610.2647	516.1696	598.754	-0.45029	0.009062	-0.37999	0.037262	-0.28446	0.303125
ATSG63850	AAP4	343.5932	347.928	333.5025	188.4739	162.9669	152.5166	176.9714	170.4646	163.0331	408.7622	340.5655	339.7773	-0.99532	5.48E-12	-0.98775	3.69E-11	0.090415	0.778443
ATSG63860	UVR8	856.0108	758.3046	710.7852	145.8578	767.1371	755.6053	808.3769	919.2142	1101.205	686.068	657.185	623.6157	-0.07362	0.687035	-0.27764	0.08256	-0.23875	0.319262
ATSG63870	PP7	317.4374	369.3389	361.8309	376.9478	319.3092	285.0965	345.0498	306.4047	309.47	310.8895	349.8778	334.5978	-0.08176	0.668991	-0.11942	0.539614	-0.07267	0.838414
ATSG63880	VP52.01	136.724	101.702	115.8889	303.1254	333.221	324.9701	353.0535	293.4581	446.1444	135.2945	180.9254	150.2064	1.386645	4.26E-13	1.569201	2.17E-16	0.364042	0.285592
ATSG63890	HISN8	593.2631	608.4279	629.663	453.6571	439.2158	453.6194	454.4341	496.2894	462.6195	447.6865	558.7403	615.3285	-0.4571	9.59E-05	-0.408	0.000857	-0.0046	0.990203
ATSG63900	ATSG63900	0	0	0	0	1.324935	0	0.889303	1.07889	1.952492	0.995936	0	1.035907	0.194598	NA	0.636946	NA	0.394189	NA
ATSG63905	ATSG63905	21.40027	19.62671	29.61605	41.65397	52.33491	38.87679	32.01493	28.05114	93.71962	18.23118	21.28534	37.29264	0.78041	0.080362	0.96462	0.032334	0.092025	0.93419
ATSG63910	FLCY	260.37	246.226	267.8321	227.6534	237.1633	288.087	231.2189	244.908	227.4653	200.5429	251.4331	281.7656	-0.05052	0.821609	-0.13855	0.519176	-0.08097	0.837597
ATSG63920	TOP3A	64.20081	44.60615	57.94445	64.74925	51.00988	59.81045	51.5796	40.99782	21.47741	74.84378	63.85603	46.61769	0.061449	0.88018	-0.51801	0.144348	-0.31208	0.853923
ATSG63930	ATSG63930	111.757	105.2705	104.3	75.05963	61.60946	96.69356	101.3806	131.6246	76.14719	111.3061	107.7571	81.83662	-0.45716	0.083881	-0.05771	0.871211	-0.09319	0.875031
ATSG63940	ATSG63940	227.0807	214.1095	216.3259	202.9085	194.7654	229.2734	200.0933	201.7524	158.1519	222.6123	178.2648	155.386	-0.07319	0.75229	-0.22807	0.827628	-0.23389	0.474799
ATSG63941	ATSG63941	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG63950	CHR24	149.8019	94.56504	122.3272	94.03075	103.3449	116.6304	117.3881	120.8357	99.57709	103.6298	102.4357	142.9551	-0.24169	0.335123	-0.12974	0.657257	-0.08044	0.879636
ATSG63952	ATSG63952	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG63960	POLD1	116.5126	92.78079	115.8889	99.80457	90.75802	138.5609	102.2699	97.10009	39.04984	117.0633	113.0784	110.842	0.002762	0.994993	-0.42551	0.210905	0.059558	0.937332
ATSG63970	ATSG63970	55.87849	30.3218	48.93086	113.8267	100.0326	93.70303	150.2923	198.5157	130.817	76.76285	63.85603	42.47217	1.095788	5.57E-05	1.701997	9.5E-11	0.378264	0.458727
ATSG63980	SAL1	663.4084	574.5272	656.6264	642.9559	655.1801	728.9606	751.3231	751.9863	908.885	822.322	661.176	795.5762	0.095742	0.592752	0.322211	0.042218	0.266956	0.254721
ATSG63990	SAL3	29.7226	46.3904	38.26563	125.3743	129.8436	95.69671	70.25498	79.83786	70.07593	40.3005	42.57069	37.29264	1.58186	5.41E-11	0.968383	0.000217	0.077926	0.109197
ATSG64000	SAL2	80.84547	96.34929	110.7383	390.5575	339.1832	333.9417	287.245	279.4325	221.6078	60.45074	66.5167	61.11849	1.849311	2.26E-25	1.419588	1.04E-14	-0.59227	0.408055
ATSG64010	ATSG64010	33.28931	46.3904	51.50617	74.2348	66.24673	61.80413	44.46517	53.9445	47.83605	44.13864	38.57969	62.15439	0.615041	0.028005	0.152215	0.682127	0.15246	0.860773
ATSG64020	TBL14	135.535	208.7568	175.121	236.7265	206.0273	222.2965	208.9828	186.463	142.0113	145.0064	158.4939	0.367222	0.047582	0.227502	0.282103	-0.20068	0.566159	
ATSG64030	ATSG64030	841.744	685.1505	659.279	440.8722	452.4651	515.3667	520.2425	567.4961	570.1277	694.7038	876.6901	645.3698	-0.62856	5.42E-05	-0.39467	0.018954	0.015386	0.97255
ATSG64040	PSAN	19829.73	26344.39	27573.83	13551.56	13044.64	10359.17	13673.04	11326.19	15740.99	33707.53	37989.02	30698.05	-0.87525	1.24E-08	-0.83772	1.47E-06	0.463476	0.611513
ATSG64050	ATER5	669.3529	587.0169	620.6494	539.0272	511.4247	573.1834	544.2537	603.0995	645.2986	567.0856	465.6169	612.2108	-0.21031	0.170913	-0.0683	0.718557	-0.18682	0.545485
ATSG64060	anacl03	20.21137	8.92123	16.73951	279.2053	346.4704	314.0083	267.6803	245.9869	205.0117	11.51443	14.63367	17.61004	-4.033895	6.83E-52	0.365468	4.69E-42	-0.14265	0.863358
ATSG64070	PIAKB1	917.8338	886.7703	731.3877	551.3996	556.4725	668.8802	666.9776	879.2953	589.6526	663.9987	504.1966	732.3859	-0.50229	0.010727	-0.24195	0.28344	-0.40324	0.167689
ATSG64080	ATSG64080	172.3911	144.5239	123.6148	98.99774	130.5061	74.76306	75.5908	51.78672	100.5533	133.3755	109.0874	142.9551	-0.50226	0.071049	-0.90063	0.000964	-0.18132	0.740609
ATSG64090	ATSG64090	209.2741	151.6609	169.9704	129.0861	168.9292	139.5577	147.6244	178.0168	164.9856	121.861	131.7031	154.3501	-0.12208	0.632025	-0.12208	0.632025	-0.3791	0.224653
ATSG64100	PER69	0	0	0	0.262078	3.31236	3.987363	2.66791	1.07889	0	1.330334	1.035907	1.243685	0.042343	0.576893	0.407699	0.33571	NA	NA
ATSG64110	PER70	13.07794	16.05821	16.73951	81.24587	56.97219	96.69356	40.02609	40.02609	6.767285	7.982004	3.10772	1.40944	0.000113	1.40944	0.000113	-0.10143	0.110083	0.110083
ATSG64120	PER71	54.68958	57.09587	69.53333	258.997	241.8006	241.2355	240.1119	262.1703	255.7765	45.09817	65.18636	26.93357	1.966033	1.74E-21	1.992169	1.06E-21	-0.41289	0.317823
ATSG64130	ATSG64130	381.6382	481.7464	467.4185	722.1397	716.1271	669.877	573.6007	631.1506	667.8827	490.3227	480.2506	547.9946	0.65407	0.000139	0.628785	0.000341	0.189803	0.561641
ATSG64140	RP528C	399.4177	369.3389	401.7482	673.4746	695.5906	418.6731	315.7027	310.7203	642.3699	530.3804	783.5667	529.3484	0.579364	0.047398	0.108965	0.777398	0.622043	0.131376
ATSG64150	ATSG64150	67.76752	51.74313	104.3	94.03075	101.3575	66.78833	79.14801	90.62675	89.81463	47.97678	54.54369	67.33392	0.214793	0.496826	0.186574	0.588736	-0.39212	0.414825
ATSG64160	ATSG64160	135.535	180.2088	199.5864	286.2164	280.2237	298.0554	231.2189	236.2769	292.8738	198.6239	250.4388	127.4165	0.52565	0.00082	0.54625	0.018531	0.08791	0.866179
ATSG64170																			

ATSG64610	HAM1	259.1811	249.7944	242.079	366.6374	349.7827	338.9259	311.2562	334.4559	276.2776	238.9244	251.4331	311.8079	0.48513	0.001573	0.289361	0.093469	0.09355	0.782883
ATSG64620	C/VIF2	256.8033	219.4623	184.1346	162.9042	129.8436	135.7053	162.7425	133.7824	194.273	192.8673	286.0218	199.93	-0.59987	0.006981	-0.41371	0.088673	0.031197	0.958526
ATSG64630	FAS2	87.97889	62.44861	97.86173	72.58514	54.98478	62.80097	51.5796	49.62894	41.97858	96.9131	97.11438	99.44703	-0.77752	0.130644	-0.77752	0.001904	0.216526	0.625212
ATSG64640	PME64	108.1903	71.36984	56.65679	28.45667	23.84882	22.92734	35.57214	34.52448	38.07359	79.64146	91.79304	60.08258	-1.54182	4.31E-08	-1.06843	0.000301	-0.40467	0.957917
ATSG64650	ATSG64650	65.38972	78.50683	91.42346	133.2102	153.6924	125.6019	101.3806	103.5734	96.64835	105.5489	83.81104	101.5188	0.793463	9.32E-05	0.348176	1.150862	0.360696	0.410963
ATSG64660	PUB27	36.85602	46.3904	35.06475	135.6247	155.6798	205.3492	225.8831	213.6202	272.3743	374.2189	63.85603	42.47217	0.736498	9.25E-14	2.368688	1.006E-22	0.132535	0.837937
ATSG64667	IDL2	8.322328	5.352738	14.1642	16.90904	17.22415	11.96209	7.982338	15.10446	23.4299	18.23118	18.62468	7.251346	0.574146	0.272904	0.606706	0.293836	0.490032	NA
ATSG64670	ATSG64670	191.4135	214.1095	219.9102	297.3516	280.2237	220.3016	98.86234	195.2791	235.2573	219.7337	234.1388	270.3716	0.35745	0.502628	-0.0166	0.957303	0.211573	0.523736
ATSG64680	ATSG64680	87.97889	98.13353	101.7247	137.3344	166.2793	125.6019	116.4988	110.0468	132.7695	124.7396	123.7211	105.6625	0.568693	0.004709	0.314182	0.178143	0.291286	0.411386
ATSG64685	ATSG64685	5.94452	7.136984	7.725926	3.71174	3.974804	0.996841	7.114428	2.15778	5.857476	10.55489	13.30334	8.287252	-0.83542	0.16185	-0.31114	0.665473	0.504001	NA
ATSG64690	ATSG64690	2.377808	7.136984	11.58889	1.649662	0.662467	3.987363	3.557214	2.15778	8.786214	5.959536	2.660668	6.215439	-1.13345	0.072058	-0.34237	0.657389	-0.08737	NA
ATSG64700	ATSG64700	20.21137	12.48972	11.58889	4.536571	8.612075	2.990522	10.67164	14.02557	7.809968	5.995356	9.312338	9.323159	-1.18308	0.01585	-0.3904	0.505344	-0.5513	NA
ATSG64710	ATSG64710	41.61164	24.97944	24.46543	26.80701	31.79843	26.9147	22.23259	21.5778	33.19236	20.70514	26.60668	47.6517	-0.10241	0.820895	-0.23871	0.598174	0.179417	0.815889
ATSG64720	EC1.5	0	0	0	0.412416	0.662467	0	0	0	0	0	0	0	0.196313	NA	0	NA	0	NA
ATSG64730	ATSG64730	82.03437	71.36984	83.69753	113.4143	113.9444	87.72199	81.81592	101.4157	120.0783	92.11542	97.11438	89.08796	0.40128	0.08665	0.33161	0.198557	0.212003	0.626543
ATSG64735	ATSG64735	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG64740	CE5A6	2728.535	2253.503	2025.48	786.0641	717.4521	1153.345	858.1779	1046.523	814.1892	1872.054	1842.513	1707.174	-1.36789	3.93E-14	-1.33271	2.27E-13	-0.36145	0.226173
ATSG64750	ABR1	3.566712	1.784246	1.287654	7.835896	5.962205	6.977885	12.45025	9.710009	1.952492	0.959536	2.660668	2.071813	1.002061	0.11311	1.144971	0.077759	-0.17066	NA
ATSG64760	RPNS5	160.502	173.0719	195.7235	233.0148	267.6368	256.1881	250.7836	214.6991	413.5082	212.0574	232.8084	208.2172	0.499615	0.016645	0.197438	0.443236	0.292233	0.409287
ATSG64770	RGF9	954.6899	1366.732	1357.188	1034.856	1627.686	949.9893	1256.132	833.9819	1381.388	1470.968	2333.406	1251.375	0.121262	0.723673	-0.18437	0.817647	0.436029	0.318066
ATSG64780	ATSG64780	23.77808	41.03766	29.61605	57.73818	60.28452	56.81992	61.36194	36.68226	38.07359	17.27164	21.28534	37.29264	0.853414	0.010789	0.517988	0.176029	-0.25878	0.719598
ATSG64790	ATSG64790	1.188904	1.784246	0	7.835896	10.59948	7.974726	11.44248	4.31556	5.857476	0	0	1.035907	1.862412	0.001733	1.342804	0.037728	-0.34414	NA
ATSG64800	CLE21	17.83356	24.97944	16.73951	45.36571	45.04777	26.9147	47.13308	34.52448	41.97858	41.26003	33.25835	18.64632	0.921807	0.012372	0.970566	0.010978	0.590772	0.336105
ATSG64810	WRKY51	7.133424	1.784246	6.438272	350.5532	382.2436	302.0428	46.24378	30.20892	49.78855	0	6.65167	3.10772	5.3821	1.18E-52	2.425194	2.09E-10	-0.56499	0.528712
ATSG64813	LIP1	388.7716	363.9862	446.8161	454.0695	430.6037	481.4741	440.2052	496.2894	316.3037	450.0222	401.7609	388.4649	0.180218	0.372593	0.057967	0.815165	0.04554	0.919161
ATSG64816	ATSG64816	115.3237	119.5445	132.6284	160.4297	200.0651	125.6019	134.2848	113.2834	327.0424	148.728	196.8894	137.7756	0.374249	0.311297	0.595746	0.10015	0.361119	0.551392
ATSG64820	ATSG64820	0	0	0	0	1.324935	0	1.07889	0	0.959536	0	0	0	0.2019	NA	0.149615	NA	0.145187	NA
ATSG64830	ATSG64830	145.0463	194.4828	193.1482	215.6933	210.6646	225.286	192.9789	175.8591	202.0829	174.6355	210.1928	233.079	0.291112	0.124671	0.106852	0.649417	0.215186	0.509225
ATSG64840	ABC5	5025.497	5600.748	5202.124	2413.044	2204.029	2540.947	2976.499	2891.425	1938.825	5815.745	6279.176	5352.529	-1.12427	4.24E-13	-1.00109	1.63E-10	0.138124	0.667773
ATSG64850	ATSG64850	196.1692	224.815	229.2975	242.5004	227.2263	118.3081	185.8644	141.3346	176.7005	262.9128	304.6465	304.5565	-0.04803	0.842823	-0.48684	0.013443	0.28515	0.356429
ATSG64855	ATSG64855	0	0	1.287654	0.412416	0	0.996841	0	0	0	0	1.330334	0	0.016131	NA	-0.25461	NA	-0.01817	NA
ATSG64860	DPE1	363.8046	458.5512	500.8975	353.8526	294.7979	370.8248	532.6928	571.8117	508.6242	504.7157	481.5809	550.0664	-0.36943	0.024	0.283331	0.105196	0.215505	0.432844
ATSG64870	FLOT3	24.96698	28.54794	14.1642	52.37678	54.98478	94.69987	133.3955	155.3602	122.3007	15.35257	9.312338	19.68222	1.438723	9.74E-06	2.435788	4.55E-15	-0.48991	0.46317
ATSG64880	ATSG64880	175.9578	169.5034	213.7506	302.7123	327.2588	299.0522	288.1343	245.9869	331.9236	266.7509	385.7969	203.0377	0.704362	0.001658	0.606572	0.0097	0.582838	0.063368
ATSG64890	PEP2	0	0	0	3.71174	3.312336	4.984204	1.778607	2.15778	5.857476	0.959536	0	0	1.472552	0.017805	1.247286	0.05601	0.105117	NA
ATSG64900	PEP1	2.377808	8.92123	6.438272	10.31039	10.59948	8.971567	9.782338	6.47334	10.73871	6.716749	9.312338	6.215439	0.646652	0.021207	0.514479	0.414347	0.267158	NA
ATSG64905	PEP3	0	0	0	7.835896	14.57428	8.971567	6.225124	4.31556	13.66744	0.959536	0	1.035907	2.366124	5.27E-05	2.36681	0.000806	0.211303	NA
ATSG64910	ATSG64910	16.64466	21.41095	25.75309	23.50769	23.84882	10.96525	14.22886	10.7889	16.59618	37.42189	21.28534	41.43626	-0.07203	0.892995	-0.52654	0.273836	0.606789	0.347323
ATSG64920	CIP8	514.7954	620.9176	561.4173	498.1498	504.1376	508.3888	441.0945	450.976	671.6572	559.4093	639.8906	479.6247	-0.16209	0.454558	-0.11314	0.367742	-0.01463	0.978296
ATSG64930	CPR5	203.3026	240.8732	221.4765	211.1568	193.4404	211.3302	193.8682	181.2535	142.3191	193.8262	199.5501	204.0736	-0.10381	0.600646	-0.34891	0.055503	-0.1473	0.651245
ATSG64940	ATATH13	5107.531	4774.642	4685.774	1866.593	1813.173	1896.988	1181.884	1093.994	780.9968	4681.574	4718.695	4643.969	-1.36633	2.82E-24	-2.2203	7.67E-62	-0.05217	0.878472
ATSG64950	ATSG64950	32.10041	26.76369	28.3284	42.4788	50.34751	34.88943	40.01866	39.91893	44.90732	26.867	39.91002	27.96948	0.518155	0.107453	0.472892	0.178692	0.079827	0.920768
ATSG64960	CDK2	559.9738	579.88	513.7741	456.9655	425.9665	542.2814	561.1505	537.2872	365.116	580.5191	602.6413	484.8043	-0.21153	0.305195	-0.17105	0.447921	0.012332	0.982685
ATSG64970	ATSG64970	26.15589	23.1952	33.47901	34.23049	27.16116	33.89259	28.45771	32.3667	47.83605	55.65307	45.23135	36.25673	0.169372	0.677892	0.34434	0.389459	0.663877	0.186713
ATSG64980	ATSG64980	15.45575	28.54794	24.46543	31.34358	27.82363	23.92418	24.01119	28.05114	16.59618	35.50282	17.29434	36.2573	0.292409	0.499786	0.022065	0.908790	0.387665	0.578718
ATSG64990	RABH1A	2.377808	10.70548	6.438272	14.84696	15.89921	17.94313	14.22886	11.86779	16.786214	3.838143	6.65167	6.215439	1.14275	0.021926	0.72747	0.205566	-0.13094	NA
ATSG65000	ATSG65000	110.5681	89.2123	109.4506	226.0037	203.3775	210.3334	249.005	221.1724	310.4462	127.6182	126.3817	121.2011	1.013157	2.39E-08	1.293087	6.71E-13	0.257161	0.468427
ATSG65005	ATSG65005	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG65010	ASN2	1072.391	974.1983	991.4938	600.8895	674.3917	703.7696	763.0224	845.8497	870.8114	725.4089	703.7467	872.2333	-0.61557	1.37E-06	-0.29121	0.039948	-0.39593	0.022518
ATSG65015	ATSG65015	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG65020	ANN2	501.7175	626.2704	593.6087	691.2085	607.4825	653.9276	620.7338	620.3617	825.9041	737.8829	815.4947	637.0825	0.181667	0.331768	0.261739	0.		

ATSG65500	ATSG65500	2.377808	1.784246	0	2.474493	6.624673	2.990522	0	4.31556	3.904984	0	0	1.035907	0.77865	0.255847	0.41124	0.599307	-0.45494	NA
ATSG65510	AHL7	17.83356	8.92123	19.31482	11.96005	11.92441	7.974726	7.982338	12.94668	6.833722	16.31211	19.95501	22.78994	-0.46477	0.336283	-0.58324	0.25769	0.282389	NA
ATSG65520	ATSG65520	58.25629	55.31163	15.36914	58.1506	77.50867	45.85468	52.46891	57.18117	62.89091	57.57214	63.85603	49.72351	0.107128	0.762928	0.176662	0.625917	0.010399	0.990348
ATSG65530	ATSG65530	22.58917	32.11643	23.17778	18.14629	15.23675	11.96209	12.45025	20.49891	18.54867	37.42189	45.23135	25.89766	-0.65043	0.096865	-0.52431	0.228952	0.454947	0.473751
ATSG65533	ATSG65533	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG65535	ATSG65535	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG65540	ATSG65540	166.4466	158.7979	159.6691	156.3055	145.7428	171.4566	220.5473	167.2279	120.0783	138.1731	123.7211	155.386	-0.03746	0.900887	0.06644	0.829279	-0.20715	0.62574
ATSG65550	UG91B1	4.755616	0	6.438272	2.062078	3.974804	0	4.446517	0	4.31556	2.928738	2.878607	1.330334	-0.51022	0.48134	0.001234	0.998927	-0.36861	NA
ATSG65560	ATSG65560	126.0238	96.34929	101.7247	81.24587	88.77061	106.662	92.48756	110.0468	91.76712	115.1443	123.7211	104.6266	-0.24985	0.27871	-0.14829	0.579005	0.068073	0.891692
ATSG65570	PCMP-H47	26.15589	26.76369	24.46543	21.03319	17.88662	20.93366	35.57214	33.44559	28.11311	23.98839	17.29434	31.0772	-0.3397	0.382985	0.312871	0.447948	-0.06859	0.939955
ATSG65575	ATSG65575	45.17835	53.52738	38.62693	58.56301	78.83361	37.87995	50.6903	33.44559	81.02842	43.1791	69.17737	53.86714	0.341512	0.388803	0.25361	0.564434	0.249763	0.727223
ATSG65580	ATSG65580	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0.677431	NA
ATSG65590	DOF5.7	27.34479	39.25341	28.3284	31.756	23.84882	26.9147	28.45771	22.65669	41.97858	40.3005	47.89202	31.0772	-0.1554	0.710817	-0.00176	0.997118	0.31693	0.617081
ATSG65600	LECRK92	4.755616	5.352738	3.862693	29.28151	23.18635	32.89575	68.47637	58.26006	44.90732	4.797678	2.660668	1.035907	2.120095	1.01E-06	0.376593	2.18E-13	-0.43647	0.676856
ATSG65609	ATSG65609	1.188904	0	0	1.649662	3.312336	2.990522	1.778607	2.15778	2.928738	2.878607	0	1.035907	0.843642	0.20825	0.719399	0.313594	0.384628	NA
ATSG65610	ATSG65610	89.1678	89.2123	78.54691	76.7093	92.74542	88.71883	72.03358	43.1556	81.02842	91.15588	105.0964	92.19568	0.002149	0.995089	-0.36306	0.19506	0.158787	0.751803
ATSG65615	ATSG65615	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG65620	OOP	1433.818	1382.791	1243.874	905.6646	753.2253	1061.635	1054.714	1186.779	829.8091	1193.662	1134.775	1099.097	-0.56867	0.000636	-0.39553	0.026372	-0.23966	0.401991
ATSG65630	GT7	848.8774	772.5785	788.0445	834.7291	873.1319	1085.56	1164.098	1595.678	1564.922	622.7386	622.5963	688.8778	-0.205894	0.251746	0.828164	9.02E-08	-0.31192	0.218266
ATSG65640	BHLH93	171.2022	181.9931	180.2716	101.0418	134.4809	98.68724	105.8271	106.8101	115.197	190.9476	226.1568	198.8941	-0.65639	0.000276	-0.68385	0.000292	0.201668	0.543675
ATSG65650	ATSG65650	102.2457	78.50683	87.5605	127.4364	105.9948	121.6146	110.2736	110.0468	126.912	89.23661	101.1054	92.19568	0.383492	0.067601	0.348867	0.125152	0.054121	0.917881
ATSG65660	ATSG65660	140.2907	142.7397	114.6012	230.5403	233.1885	226.8289	270.3748	312.8781	312.8781	376.831	51.16066	147.6671	0.181632	8.03E-06	0.274909	1.95E-13	0.208742	0.546872
ATSG65670	IAA9	214.0207	2157.153	2181.286	2793.291	2956.591	2652.593	2253.495	2320.692	2810.612	2098.504	2156.471	1979.617	0.372258	0.001318	0.187183	0.153386	-0.05516	0.836577
ATSG65676	ATSG65676	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	NA	0.248756	NA
ATSG65683	ATSG65683	170.0133	130.25	136.4914	71.34789	61.60946	65.79149	67.69776	83.07453	70.28971	138.1731	167.6221	162.6373	-1.10694	8.4E-09	-0.97379	1.38E-06	0.087017	0.84833
ATSG65685	ATSG65685	492.2062	460.3355	533.0889	402.93	408.7423	374.8121	564.7077	493.0527	401.2371	548.8544	496.2146	566.6049	-0.31982	0.04377	-0.02694	0.901599	0.115134	0.70827
ATSG65687	ATSG65687	131.9683	135.6027	124.9025	153.831	142.4305	161.4882	181.4179	154.2813	153.2944	153.5257	126.3817	106.6984	0.216345	0.03596	0.31136	0.146101	-0.01574	0.987198
ATSG65690	PKC2	1.188904	0	0	0.824831	0.662467	0	0	1.07889	0.976246	1.919071	0	0	0.04306	NA	0.10977	NA	0.115436	NA
ATSG65670	BAM1	945.1786	490.6677	517.637	286.6288	256.3748	332.9448	363.7251	380.8481	359.2585	514.3111	536.1246	448.5475	-1.12286	2.99E-07	-0.7987	0.000482	-0.37315	0.311054
ATSG65710	HSL2	129.5905	110.6233	133.9161	65.08852	63.96866	77.75358	91.59826	105.7312	81.02842	140.0922	126.3817	114.9856	-0.92799	5.49E-06	-0.4242	0.064356	0.021968	0.970574
ATSG65720	NIFS1	839.3662	653.034	592.321	504.3842	471.0142	498.4204	417.9726	485.5005	633.5837	514.3111	530.8033	501.3788	-0.4912	0.066909	-0.43242	0.203335	-0.42366	0.10302
ATSG65730	XTH6	2218.495	2704.917	2396.325	752.246	632.6562	956.9671	637.6306	781.1163	862.0252	2946.734	2941.368	2655.028	-1.61335	9.69E-24	-1.64812	1.55E-24	0.219438	0.469967
ATSG65740	ATSG65740	116.5126	130.25	131.3007	121.2502	110.632	123.6083	157.4067	117.599	103.4821	180.3927	180.9254	152.2783	-0.08528	0.740736	0.00882	0.976543	-0.332258	0.185263
ATSG65750	ATSG65750	504.0953	449.643	430.0766	516.3443	544.5481	614.0539	661.6148	717.4618	611.13	381.8952	319.2802	412.2908	0.266225	0.086946	0.519419	0.000675	0.402654	0.918229
ATSG65760	ATSG65760	291.2815	299.7533	296.1605	270.1322	277.5738	271.1407	298.806	332.2981	316.3037	258.1151	311.2981	285.9102	-0.11346	0.476548	0.093281	0.592618	-0.05613	0.862386
ATSG65770	CRWN4	0	0	0	0.412416	0	0.996841	0	0	0	0	0	0	0.224618	NA	0.015914	0.996268	0.181562	0.528954
ATSG65780	BCAT5	344.7821	347.928	372.1321	367.4623	357.0699	351.8848	430.4229	336.6137	295.8025	410.6812	379.1452	419.5421	0.015914	0.943044	-0.00107	0.996268	0.181562	0.528954
ATSG65790	ATMYB88	2.377808	1.784246	1.287654	11.13522	9.274542	0.987363	4.446517	8.63112	7.862214	1.919071	3.991002	2.071813	1.374735	0.021574	1.169816	0.06801	0.183235	NA
ATSG65800	AC561	3.566712	1.784246	1.505617	0.412416	0	0.996841	0	0	0.976246	0.995936	3.991002	5.179533	-1.26532	0.049646	-1.22503	0.064057	-0.03636	NA
ATSG65810	ATSG65810	250.8587	249.7944	298.7358	264.7708	274.9239	253.1976	189.4216	195.2791	155.2321	267.7104	234.1388	261.0484	-0.01189	0.955877	-0.55974	0.000507	-0.06538	0.858201
ATSG65820	ATSG65820	64.20081	51.74313	61.80741	25.15735	33.12336	30.90206	47.13308	34.52448	25.3824	57.57214	51.88302	58.01077	-0.69776	0.000536	-0.69286	0.022749	-0.08598	0.897222
ATSG65830	ATRLP57	74.90095	71.36984	75.97161	48.25262	62.93439	44.85784	56.91542	48.55005	40.02609	86.35821	94.45371	70.44164	-0.48773	0.058203	-0.58308	0.032258	0.163634	0.748719
ATSG65840	ATSG65840	505.2842	579.88	563.9926	156.7395	412.7171	347.8974	425.0871	420.7671	507.6419	673.594	578.6953	679.5547	-0.55069	9.56E-05	-0.27855	0.078331	0.229857	0.325102
ATSG65850	ATSG65850	13.07794	14.27397	15.45185	12.37427	12.58688	15.94945	15.11876	15.58223	7.862214	10.215025	15.96401	16.5745	-0.07625	0.989392	-0.36079	0.507251	0.27441	NA
ATSG65860	ATSG65860	153.3686	128.4657	160.9568	104.6736	137.1307	103.6714	105.3843	76.60119	104.7483	156.4043	158.3097	167.8169	-0.35482	0.090869	-0.59246	0.005956	0.113891	0.794433
ATSG65870	PKS5	30.9115	26.76369	25.75309	69.69823	81.48347	53.8294	85.37313	62.57562	92.74337	38.38143	83.81104	37.29264	1.184211	0.000661	1.394704	2.71E-05	0.81336	0.101014
ATSG65880	ATSG65880	45.17835	64.23286	42.49259	52.78919	72.20893	48.8452	26.6791	31.28781	50.76479	63.32935	83.81104	50.75942	0.204017	0.582859	-0.43174	0.245226	0.365581	0.156594
ATSG65890	ACR1	191.4135	174.8561	155.8062	105.5784	74.8588	88.71883	79.14801	89.54786	97.4646	157.3638	154.3187	157.4578	-0.92048	8.85E-07	-0.92048	1.19E-06	-0.15033	0.697022
ATSG65900	RH27	309.115	237.3047	199.5864	190.1236	196.0903	190.3966	152.9602	190.9635	280.1826	197.6643	231.4781	239.2944	-0.36103	0.145226	-0.25172	0.361444	-0.1565	0.743976
ATSG65910	ATSG65910	593.2613	676.2292	695.3333	613.0959	865.8447	796.4758	838.6132	787.5897	805.4209	695.6633	686.4523	725.1349	0.333866	0.002854	0.307748	0.008438	0.102878	0.637513
ATSG65920	PUB31	72.52314	66.0171	68.24568	96.02983	120.569	133.5767	161.8532	168.3068	202.0829	55.65307	69.17737	77.69299	0.712448	0.001646	0.712448	9.44E-10	-0.0394	0.951828
ATSG65930	ATSG65930	21.40027	24.97944																

ATSG66400	RAB18	66.57862	87.42806	65.67037	48.66504	40.4105	48.8452	58.69403	67.97007	72.2422	100.7512	69.17737	90.12387	-0.62946	0.011724	-0.12386	0.702957	0.262527	0.556808
ATSG66410	PLP38	170.0133	194.4828	261.3938	216.1058	247.7628	186.4092	165.4104	143.4924	258.7052	202.462	234.1388	239.2944	0.055149	0.862021	-0.13549	0.665976	0.104709	0.850111
ATSG66420	ATSG66420	655.0861	474.6094	459.6926	269.7198	227.8877	287.0901	256.1194	325.8248	234.299	444.265	431.0282	507.5942	-0.99911	3.1E-08	-0.94318	2.97E-07	-0.19827	0.568048
ATSG66430	ATSG66430	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG66440	ATSG66440	90.3567	66.0171	74.68395	134.0351	129.1811	122.6114	93.37687	128.3879	145.4607	82.52006	95.78405	85.98024	0.705177	0.001454	0.627305	0.007386	0.166441	0.72657
ATSG66450	LPPE2	78.46766	132.0342	103.0123	107.228	93.40789	118.6241	116.6241	136.3674	111.1257	106.4108	91.15588	81.79304	0.04014	0.894945	0.190892	0.492206	-0.2332	0.591221
ATSG66455	ATSG66455	42.80054	41.03766	46.35556	43.30364	54.32232	41.86731	38.24005	42.07671	45.88356	45.09817	49.22236	41.443626	0.09282	0.788076	-0.04941	0.90081	0.047432	0.949285
ATSG66460	MAN7	111.757	67.80135	101.7247	73.82329	62.93439	73.76622	62.25124	66.89118	43.93107	83.8796	78.4897	84.93264	-0.42125	0.090678	-0.69269	0.006628	-0.19749	0.679803
ATSG66470	ATSG66470	581.374	562.0375	603.9099	471.3646	418.0168	420.6668	473.9988	520.025	575.9851	677.4322	693.104	717.8832	-0.47383	4.67E-05	-0.15531	0.264028	0.253467	0.153196
ATSG66480	ATSG66480	30.9115	58.88012	39.91728	75.47205	64.25933	60.80729	103.1592	90.62675	75.17094	50.85539	34.58868	48.68761	0.639033	0.024428	1.034978	0.000167	0.090622	0.896393
ATSG66490	ATSG66490	63.01191	89.2123	75.97161	138.5716	129.8436	102.6746	132.5062	105.7312	266.5152	65.24842	49.22236	74.58527	0.665733	0.042001	1.077506	0.000652	-0.23715	0.719389
ATSG66500	PCMP-E38	16.64466	28.54794	18.02716	25.56977	23.18635	18.93997	29.34701	34.52448	27.33489	21.10978	10.64267	22.78994	0.142758	0.760361	0.513434	0.222534	-0.13011	0.886051
ATSG66510	GAMMACA3	450.5946	483.5307	521.5	518.8188	573.6967	490.4457	440.2052	481.1849	693.1347	455.7794	363.1812	578.0358	0.118397	0.642806	0.145203	0.581472	-0.05506	0.915569
ATSG66520	PCMP-H61	149.8019	157.0137	153.2309	67.63615	81.48347	80.7441	126.8121	130.5457	121.0545	213.9764	223.4961	208.2172	-0.99504	0.29E-05	-0.27654	0.159636	0.482389	0.030044
ATSG66530	ATSG66530	526.6844	624.4861	570.4309	432.6239	470.3518	435.6194	500.6779	554.5494	559.389	631.3744	659.8456	628.1617	-0.35512	0.003516	-0.08795	0.567204	0.155822	0.467042
ATSG66535	ATSG66535	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG66540	ATSG66540	267.5034	148.0924	244.6543	240.9705	258.3622	229.2734	216.99	179.0957	251.8715	175.595	208.8624	195.7863	0.052857	0.855172	-0.03707	0.906084	-0.19483	0.649871
ATSG66550	ATSG66550	54.68958	76.72258	59.2321	114.6515	118.5816	84.73147	67.58706	64.7334	98.60085	74.84378	54.54369	80.80071	0.7271987	0.005196	0.277997	0.387703	0.157976	0.784489
ATSG66555	ATSG66555	7.133424	1.784246	9.01358	9.073143	10.59948	8.971567	8.893053	4.31556	9.76246	3.881143	3.991002	8.275252	0.478168	0.432082	0.223033	0.598638	-0.15807	NA
ATSG66560	ATSG66560	3.566712	5.352738	9.01358	2.474493	4.637271	2.995522	1.778607	6.47334	3.904984	3.881143	5.321336	7.251346	-0.58407	0.374852	-0.40024	0.5858171	-0.08502	NA
ATSG66565	ATSG66565	0	0	0	0	0	0	0.996841	0	0	0	0	1.330334	0.136618	NA	0	NA	0.179947	NA
ATSG66566	ATSG66566	0	0	0	0	0.824831	0	0.996841	1.778607	2.15778	0.976246	0	0	0.285597	NA	0.796141	NA	0.380692	NA
ATSG66567	ATSG66567	0	0	0	0.412416	0.662467	0	0	0	0	0	0	1.330334	0.213241	NA	0	NA	0.204858	NA
ATSG66568	ATSG66568	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG66570	PSB01	3822.207	41860.2	39265.73	19719.65	19377.17	17559.35	19715.86	21379.28	25832.45	43792.25	47423.75	37668.67	-1.06138	1.4E-16	-0.8241	2.68E-10	0.109542	0.687252
ATSG66580	ATSG66580	67.76752	101.702	101.7247	51.13953	49.02258	37.87995	19.56468	29.13003	40.02609	66.20796	87.80204	79.7648	-0.8981	0.000094	-1.51044	9.08E-08	-0.19945	0.71872
ATSG66590	ATSG66590	135.535	183.7773	158.3815	83.30795	90.75802	57.81627	42.66857	50.70783	77.12343	165.9997	155.6491	165.745	-0.97942	0.000201	-1.41701	2.25E-09	0.038157	0.951396
ATSG66600	ATSG66600	43.98945	58.88012	52.79383	38.76706	43.06037	34.88943	43.57587	43.1556	30.26363	62.36982	57.20436	48.68761	-0.37379	0.206665	-0.37628	0.243319	0.122669	0.845408
ATSG66607	ATSG66607	1.188904	3.568492	2.575309	2.886909	1.987402	0	3.557214	4.31556	3.904984	7.676285	2.660668	4.143626	-0.23824	0.763238	0.42011	0.589024	0.644368	NA
ATSG66610	DAR7	53.00068	51.74313	69.53333	71.76031	87.44568	101.6778	72.03958	45.31338	48.8123	98.83217	81.15037	63.1903	0.529705	0.063888	-0.06914	0.863336	0.447187	0.323724
ATSG66620	DAR6	42.80054	44.60615	45.0679	66.81132	64.92179	68.78201	62.25124	67.39009	57.14104	47.01725	39.91002	41.43626	0.569471	0.037675	0.569801	0.050245	-0.03765	0.961209
ATSG66630	DAR5	86.78999	67.80135	64.38272	105.166	93.40789	99.68408	59.58333	65.81229	42.95482	44.13864	23.94601	46.6179	0.427143	0.112189	-0.3704	0.225475	-0.86376	0.015721
ATSG66631	ATSG66631	17.83356	23.1952	14.1642	16.08421	17.88662	21.9305	19.56468	22.65669	20.59117	17.27164	15.96401	18.64632	0.012213	0.981235	0.187368	0.711065	-0.0516	0.961525
ATSG66640	DAR3	58.25629	103.4863	82.40988	231.3651	225.2389	256.1881	188.5323	158.9968	131.7932	28.77067	22.61568	32.1131	1.52032	1.26E-12	0.039876	2.51E-05	-1.40721	2.65E-06
ATSG66650	ATSG66650	11.88904	14.27397	5.150617	8.660727	17.22415	20.93366	26.6791	19.42002	32.21612	9.595356	5.321336	12.43088	0.44898	0.400246	1.149432	0.017234	-0.11731	NA
ATSG66658	ATSG66658	8.322328	10.70548	10.30123	9.073143	13.91181	10.96525	8.893053	12.94668	7.32429	9.595356	11.97301	12.51346	0.165501	0.7873	0.52661	0.352134	-0.02792	NA
ATSG66660	ATSG66660	1.188904	10.70548	1.287544	0.824831	1.324935	0	2.66791	0	0.976246	0.995936	1.330334	1.025907	-1.05507	0.107714	-0.78889	0.3625351	-0.85115	NA
ATSG66670	ATSG66670	2.377808	0	1.287654	1.649662	1.987402	1.993682	0.889303	2.15778	0	1.919071	1.330334	0	0.237455	0.761296	-0.1502	0.858534	-0.10266	NA
ATSG66675	ATSG66675	216.3805	248.0102	260.1062	396.3314	398.1428	476.4899	532.6298	558.865	402.2133	211.0978	292.6735	238.2585	0.790522	1.21E-05	0.102142	9.94E-09	0.029344	0.955279
ATSG66680	OST48	850.0663	672.6608	665.7173	986.0856	983.1014	1001.825	817.2699	772.4852	652.1323	631.3744	703.7467	678.5188	0.432409	0.002691	0.031662	0.857528	-0.12253	0.657878
ATSG66690	UGT72E2	0	1.287654	4.949887	5.299738	4.984204	2.66791	2.15778	2.928738	0.995936	0	2.071813	0	1.499143	0.016678	0.805963	0.257292	0.222452	NA
ATSG66700	ATHB-53	7.133424	7.136984	3.862963	3.71174	2.649869	4.984204	2.66791	2.15778	5.857476	2.878607	6.65167	10.35907	-0.48438	0.471804	-0.49951	0.486791	0.108724	NA
ATSG66710	ATSG66710	2.377808	3.568492	1.287654	3.71174	3.974804	0.996841	3.557214	4.31556	0.976246	2.878607	7.982004	5.179533	0.189746	0.081472	0.157677	0.855548	0.689932	NA
ATSG66720	ATSG66720	418.4942	524.5683	418.4877	367.0499	340.5082	330.9511	324.5958	379.7693	376.831	496.0979	395.1092	501.3788	-0.37574	0.181924	-0.32263	0.05766	0.04145	0.914827
ATSG66730	IDD1	456.5391	496.0204	483.9935	403.1494	390.1932	482.4709	446.303	518.9461	407.0946	372.2998	367.1722	417.4703	-0.0891	0.622716	-0.01292	0.952369	-0.25346	0.297717
ATSG66740	ATSG66740	22.58917	26.76369	36.05432	5.361402	3.312336	0.996841	4.446517	2.15778	1.952492	36.46235	38.57969	46.61579	-2.48516	3E-09	-2.5862	1.22E-08	0.493147	0.454015
ATSG66750	DDM1	101.0568	87.42806	108.163	80.83345	67.57166	71.77254	58.69403	64.7334	43.93107	103.6298	115.7391	123.2729	-0.41625	0.066556	-0.80689	0.000444	0.192971	0.642323
ATSG66755	ATSG66755	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATSG66760	SDH1-1	691.9421	645.8971	621.937	799.6738	723.4143	863.2641	765.6903	817.7986	813.2129	643.8484	522.8213	616.3644	0.278542	0.037407	0.285985	0.039642	-0.13241	0.591286
ATSG66770	SCL4	90.3567	71.36984	69.53333	57.32576	56.30972	58.81361	52.46891	70.12785	54.66978	55.65307	45.23135	49.72351	-0.41726	0.093415	-0.38304	0.159646	-0.59333	0.094851
ATSG66780	ATSG66780	0	0	0	2.474493	0.662467	1.993682	3.557214	0	0.976246	0	1.330334	0	0.677318	0.201036	0.677539	0.282821	0.136333	NA
ATSG66790	WAKL11	109.3792	121.3287	96.74008	124.9614	1													

ATS67270	EB1C	92.73451	66.0171	93.99877	134.0351	131.831	103.6714	96.04478	98.17898	119.102	129.5373	162.3007	122.237	0.523376	0.019896	0.280405	0.285839	0.663953	0.022323
ATS67280	RLK	348.3489	296.1848	279.421	118.7757	111.2945	130.5861	120.056	110.0468	95.67211	268.67	220.8354	271.4075	-1.33983	6.52E-17	-1.47315	1.15E-18	-0.27297	0.319156
ATS67290	ATS67290	194.9802	223.0308	187.9975	194.6602	198.7402	195.3808	211.6542	244.908	290.9213	248.5197	263.4061	191.6427	-0.03567	0.885173	0.300525	0.143407	0.212943	0.524933
ATS67300	MYB44	608.7188	720.8354	667.0049	1377.468	1350.771	1709.582	1337.512	1783.405	2117.478	664.9582	615.9446	568.7127	1.127517	5.17E-11	1.362569	1.11E-15	-0.1061	0.787687
ATS67310	CYP81G1	0	0	0	8.660727	7.949607	12.95893	13.33955	9.710009	10.73871	0.959536	0	1.035907	2.33567	4.68E-05	2.50154	1.51E-05	0.203988	NA
ATS67320	HOS15	410.1719	381.8287	401.7482	456.544	465.052	460.5404	410.8582	408.8993	569.1514	331.9993	287.3521	369.8186	0.206061	0.260281	0.213151	0.267709	-0.26455	0.337326
ATS67330	NRAMP4	395.905	378.2602	351.5296	355.5022	385.556	387.7711	309.4776	285.9058	333.8761	341.5947	397.7699	320.0951	0.001009	0.99624	-0.27217	0.082708	-0.09088	0.763178
ATS67340	PUB2	72.52314	82.07532	60.51975	299.8261	307.3848	351.8848	272.1269	283.7481	206.9642	34.54328	39.91002	52.83123	2.10182	3.5E-26	1.779981	1.81E-18	-0.70551	0.034852
ATS67350	ATS67350	92.73451	83.85956	86.27284	84.13278	96.05775	68.78201	75.5908	73.36452	70.28971	80.60099	89.13238	76.65708	-0.06718	0.80844	-0.25705	0.324309	-0.09952	0.844841
ATS67360	SBT1.7	1127.081	847.5169	820.2358	537.7899	436.5659	601.095	529.1356	662.4384	580.8664	621.7791	538.7853	646.4057	-0.81344	2.09E-06	-0.6459	0.000278	-0.6164	0.005165
ATS67370	ATS67370	366.1824	424.6506	404.3235	335.7063	281.5486	221.2987	287.245	293.4581	292.8738	465.3748	409.7429	438.1885	-0.48667	0.003575	-0.44111	0.011786	0.138224	0.671635
ATS67380	CKA1	476.7505	447.8458	508.6235	492.8366	501.4877	497.4235	469.5522	540.5239	425.6433	413.5599	371.1632	460.9784	0.054504	0.762329	-0.00116	0.995565	-0.19913	0.416253
ATS67385	ATS67385	1408.851	1561.215	1442.173	560.4728	520.0368	687.8201	716.7786	718.5407	406.1183	1518.945	1470.019	1454.413	-1.28545	1.06E-11	-1.22623	1.26E-10	0.010544	0.986206
ATS67390	ATS67390	209.2471	219.4623	240.7914	190.9484	261.0121	162.485	170.7463	121.9146	138.6269	349.271	458.9652	307.6642	-0.11621	0.675957	-0.60886	0.010223	0.710765	0.011605
ATS67400	PER73	0	0	0	0.824831	0.662467	0	0.889303	0	0.976246	0.959536	0	1.035907	0.295371	NA	0.338587	NA	0.366772	NA
ATS67410	ATS67410	11.88904	10.70548	7.725926	20.62078	23.84882	23.92418	25.7898	26.97225	26.35864	22.06932	18.62468	25.89766	0.993391	0.013171	1.196631	0.003314	0.975944	0.091364
ATS67411	SCL16	7.133424	1.784246	6.438272	1.649662	1.987402	0.996841	2.66791	1.07889	1.952492	1.919071	1.330334	3.10772	-1.04662	0.109233	-0.87678	0.213044	-0.79171	NA
ATS67420	LBD37	820.3437	1027.726	864.0161	1019.079	918.8421	965.9387	695.4353	686.174	760.4956	702.3801	742.3264	596.6822	0.101852	0.527704	-0.33248	0.021496	-0.40261	0.025933
ATS67430	ATS67430	0	0	1.287654	0.412416	1.987402	0	0	0	0	0.959536	0	0	0.206311	NA	-0.24641	NA	-0.05058	NA
ATS67440	NPY3	203.3026	181.9931	162.2444	145.9951	143.0929	151.5198	184.9751	159.6757	164.9856	182.3118	183.5861	218.5763	-0.31205	0.080363	-0.10101	0.649786	0.092325	0.804111
ATS67450	AZF1	11.88904	8.92123	12.87654	49.48987	55.64725	39.87363	17.78607	16.18335	16.59618	7.676285	6.65167	4.143626	1.918546	1.93E-07	0.479779	0.326816	-0.70213	0.356644
ATS67455	ATS67455	0	0	0	0	0	0	0	0	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ATS67460	ATS67460	77.27876	32.11643	42.49259	22.27044	20.53649	19.93682	24.01119	22.65669	20.50117	53.734	51.88302	47.6517	-1.20079	0.000167	-1.11093	0.001031	-0.01331	0.988816
ATS67470	FH6	272.259	157.0137	202.1617	188.4739	189.4656	194.384	157.4067	176.938	165.9618	151.6066	206.2018	187.4991	-0.15145	0.527296	-0.3404	0.137956	-0.22359	0.55429
ATS67480	BT4	367.3713	440.7088	468.7062	1323.442	1350.771	1748.459	2390.448	2827.771	3005.861	505.6753	605.302	517.9533	1.757751	8.81E-30	2.639304	8.75E-67	0.342923	0.190631
ATS67488	ATS67488	0	0	0	0.412416	0	0	0.889303	2.15778	0	1.919071	1.330334	0	0.012221	NA	0.494155	NA	0.522789	NA
ATS67490	ATS67490	20.21137	12.48972	21.89012	44.54088	48.36011	28.90838	36.46144	25.89336	83.95716	24.94793	23.94601	17.61041	0.99155	0.019867	1.216842	0.004395	0.209123	0.831384
ATS67500	VDAC2	766.843	524.5683	531.8012	538.6147	569.7219	537.2972	635.852	608.4939	692.1584	582.4381	782.2364	599.7899	-0.14841	0.480579	0.081653	0.733205	0.099223	0.796296
ATS67510	RPL26B	212.8138	206.9725	236.9284	377.7727	309.3722	247.2165	180.5286	204.9891	382.6884	221.6527	224.8264	236.1867	0.489521	0.071839	0.214228	0.504999	0.051977	0.938531
ATS67520	APK4	87.97889	87.42806	79.83457	67.22374	80.15854	67.78517	53.35821	36.68226	32.21612	61.41028	89.13238	64.2262	-0.23368	0.406128	-1.00065	0.000124	-0.25018	0.595754
ATS67530	CYP65	311.4928	299.7533	271.6951	293.2275	312.0221	313.008	323.7065	310.7203	333.8761	321.4444	272.7185	310.772	0.053121	0.762107	0.132339	0.431627	0.03987	0.90649
ATS67540	ATS67540	139.1018	126.6815	145.5049	222.292	204.7024	218.3081	192.9789	195.2791	179.6293	133.3755	131.7031	126.3806	0.633794	4.61E-05	0.450142	0.008119	-0.07717	0.845503
ATS67550	ATS67550	5.94452	8.92123	14.1642	4.536571	5.962205	5.981045	8.003731	3.23667	5.857476	12.47396	10.64267	7.251346	-0.66101	0.244721	-0.56703	0.365657	0.064084	NA
ATS67560	ATARLA1D	645.5748	674.445	712.0729	545.2134	647.2305	519.354	503.3458	491.9738	741.947	644.8079	643.8816	746.8886	-0.24136	0.219866	-0.22106	0.291216	0.002976	0.995545
ATS67570	DG1	271.0701	223.0308	226.6272	186.8243	196.0903	203.3555	263.2338	278.3536	191.3442	292.6584	297.9948	242.4021	-0.29919	0.126265	0.018641	0.943732	0.19869	0.555713
ATS67580	TR82	227.0807	233.7362	239.5037	339.418	342.4956	268.1502	328.153	306.4047	275.3014	217.8146	266.0668	272.4434	0.43945	0.008704	0.371502	0.037864	0.105898	0.768141
ATS67590	FRO1	538.5735	752.9518	779.0309	1065.682	1120.895	887.1883	763.9117	744.4341	904.98	800.2527	815.4947	683.6983	0.562655	0.001103	0.218981	0.280717	0.150015	0.657308
ATS67600	ATS67600	131.9683	115.976	131.3407	275.906	264.9869	183.4187	196.5361	185.5691	378.7834	149.6876	190.2378	225.8276	0.883605	0.001537	0.946337	0.000798	0.539204	0.217892
ATS67610	ATS67610	238.9697	199.8356	185.4222	200.8464	218.6142	211.3302	214.3221	217.9358	177.6768	225.4909	240.7904	223.7558	0.007947	0.971635	-0.03777	0.872319	0.135573	0.677971
ATS67620	ATS67620	5.94452	3.568492	2.575309	8.660727	3.312336	1.993682	5.335821	6.47334	8.786214	7.676285	13.30334	4.143626	0.163857	0.829523	0.487105	0.494625	0.676447	NA
ATS67630	ATS67630	203.3026	160.5821	146.7926	218.9927	215.9643	246.2197	184.9751	209.3046	237.2278	147.7685	176.9344	126.3806	0.396834	0.0457	0.292419	0.183665	-0.18653	0.621592
ATS67640	ATS67640	22.58917	26.76369	27.04074	46.60296	54.98478	42.86415	53.35821	37.76115	63.45599	38.38143	29.26735	43.50807	0.861401	0.006314	0.952797	0.003271	0.510215	0.340957