

**Table S1: Details of 609 genes which were found to exhibit a fold change of  $\geq 2.0$  fold under one of the comparisons made in microarray data analysis**

Probe Set ID	Gene Symbol	Representative Public ID	Log FC GSH vs Control	Log FC Cip Vs Control	Log FC Cip+GSH Vs Control	Log FC Cip Vs GSH	Log FC Cip vs Cip+GSH
1759069_at	mrr	MG1655_mrr_b4351	-0.28564644	0.7890458	0.15498757	-1.0746922	0.63405824
1759081_s_at		IG_2342190_2342884-r	1.1715705	1.5148473	1.3058593	-0.34327674	0.20898795
1759083_at		MG1655_yajO_b0419	-0.7576349	0.33865142	-0.28708124	-1.0962863	0.62573266
1759086_s_at	ECs3712 /// Z4176	MG1655_ygeK_b2855	1.0591917	0.54787064	0.73664284	0.51132107	-0.1887722
1759089_s_at	ECs3254 /// frc /// yfdW /// Z3639	MG1655_b2374	1.6251256	-0.51599693	1.9245908	2.1411226	-2.4405878
1759098_s_at	ECs0245 /// Z0275	MG1655_b1458	0.71452665	-0.45412683	0.38810968	1.1686535	-0.8422365
1759105_s_at	ECs5350 /// slt /// slt	MG1655_slc_b4392	-0.9500153	0.17288136	-0.6001117	-1.1228967	0.7729931
1759106_s_at	ECs4198 /// fkpA /// fkpA	MG1655_fkpA_b3347	-0.62162447	-0.7768321	-1.1168156	0.15520763	0.33998346
1759107_s_at	ECs2653 /// yecF /// yecF	MG1655_yecF_b1915	-0.2019918	-1.1583898	-0.054773808	0.956398	-1.103616
1759170_s_at	ECs5237 /// pepA /// pepA	MG1655_pepA_b4260	-0.3086803	1.0983927	0.25965762	-1.407073	0.8387351
1759173_s_at	ECs3291 /// yfeK /// yfeK	EDL933_yfeK_Z3685	0.055348396	-1.0355127	-0.35650563	1.0908611	-0.67900705
1759176_s_at	ECs3994 /// tdcE /// tdcE	MG1655_tdcE_b3114	-0.6069124	0.23848939	-0.9050193	-0.84540176	1.1435087

1759178_s_at	ECs3061 /// fruB /// fruB	MG1655_fruB_b2169	-0.33273363	1.2639103	-0.2818346	-1.5966439	1.5457449
1759197_s_at		IG_1830007_1830451-r	-0.47082758	-1.3334146	-0.7266722	0.862587	-0.6067424
1759213_s_at	c2225	CFT073_c2225	-1.1911845	0.023919582	-1.1201155	-1.2151041	1.1440351
1759218_s_at	fruK /// fruK	MG1655_fruK_b2168	-0.6357982	0.5246341	-0.84864306	-1.1604323	1.3732772
1759219_s_at	ECs5133 /// frdC /// frdC	MG1655_frdC_b4152	-1.690839	-0.18595076	-1.9934137	-1.5048883	1.8074629
1759226_s_at	ECs4080 /// lptB /// yhbG	MG1655_yhbG_b3201	-0.33231068	0.8754494	0.12707639	-1.2077601	0.74837303
1759248_at	hsdR	MG1655_hsdR_b4350	-0.39743233	0.6275716	0.008553267	-1.0250039	0.6190183
1759257_s_at	c0488	CFT073_c0488	0.86722517	1.0669875	0.9561243	-0.19976234	0.11086321
1759264_s_at	ECs3039 /// yeiA /// yeiA	MG1655_yeiA_b2147	-1.3485894	-0.27081442	-2.129496	-1.077775	1.8586817
1759293_s_at	ECs0008 /// talB	MG1655_talB_b0008	-0.7456732	0.6636286	-0.5107746	-1.4093018	1.1744032
1759346_s_at	c2388 /// hiuH	MG1655_b1970	1.4709461	-0.027700901	0.41774726	1.498647	-0.44544816
1759348_s_at		IG_294024_294362-r	1.282371	1.0602689	1.019618	0.22210217	0.040650845
1759352_s_at	rplP /// rplP	MG1655_rplP_b3313	-1.0377727	-0.027189255	-0.22997427	-1.0105834	0.20278502
1759374_s_at	cyoB /// ECs0485	MG1655_cyoB_b0431	0.3011937	0.14330482	1.0403252	0.15788889	-0.89702034
1759382_s_at	mrp /// mrp	MG1655_mrp_b2113	-0.6228914	0.62855935	0.07275462	-1.2514508	0.5558047
1759387_s_at	ECs4498 /// rfaF	MG1655_rfaF_b3620	-0.026424408	1.0105665	0.59575915	-1.0369909	0.41480732
1759414_s_at	chpR /// ECs3643 /// mazE	MG1655_chpR_b2783	-0.30216765	0.7167003	-0.119494915	-1.018868	0.83619523
1759427_s_at	c1089	CFT073_c1089	-0.530447	-1.2780399	-0.47797823	0.7475929	-0.8000617
1759439_at	ryhB	MG1655_ryhB_b4451	0.24924421	-0.79960585	0.24988985	1.04885	-1.0494957
1759440_at	yncD	MG1655_b1451	0.4875903	0.027217627	1.165771	0.4603727	-1.1385534
1759441_s_at		IG_259325_259611-r	1.1363177	0.29885578	0.4916439	0.83746195	-0.19278812

1759445_s_at	c3734 /// ECs3882 /// hybO /// Z4351	MG1655_b2997	-0.59642124	0.94923186	-0.62191916	-1.5456531	1.571151
1759496_s_at	ECs4037 /// yhbS /// yhbS /// yhbS	MG1655_yhbS_b3156	-0.75737	0.38684654	-0.0701313	-1.1442165	0.45697784
1759510_s_at	gyrB /// gyrB	MG1655_gyrB_b3699	-0.354033	0.7482271	0.047122	-1.1022601	0.7011051
1759538_s_at	nhaB /// nhaB	MG1655_nhaB_b1186	0.26675916	-0.30936408	0.70349956	0.57612324	-1.0128636
1759549_s_at	ECs0736 /// ybgJ /// ybgJ /// ybgJ	MG1655_ybgJ_b0711	-0.715039	0.7288439	-0.33522153	-1.443883	1.0640655
1759550_at	copA	MG1655_b0484	-0.33415055	0.69649506	-0.06962681	-1.0306456	0.76612186
1759589_s_at		IG_1695077_1695296-f	0.860749	-1.8551776	-0.9434738	2.7159266	-0.9117038
1759592_s_at		IG_2475650_2475866-f	0.8328335	-0.56618595	-0.10162592	1.3990195	-0.46456003
1759593_s_at	ECs3247 /// emrK /// emrK	MG1655_emrK_b2368	1.9426379	-0.5713973	1.8127561	2.5140352	-2.3841534
1759601_s_at	cyoE /// ECs0482	MG1655_cyoE_b0428	0.04454899	-0.2624631	0.756475	0.30701208	-1.0189381
1759622_s_at		IG_2755422_2755664-r	0.41381574	-0.58814573	-0.29577112	1.0019615	-0.2923746
1759656_s_at	rfaH /// rfaH	MG1655_rfaH_b3842	-0.082191944	1.0725706	0.8645828	-1.1547625	0.20798779
1759705_s_at		IG_302830_303076-f	0.1843605	-0.85272765	0.807848	1.0370882	-1.6605756
1759726_s_at	ECs3998 /// tdcA /// tdcA	MG1655_tdcA_b3118	0.16816425	1.1329498	0.025466919	-0.9647856	1.1074829
1759736_s_at	dtd /// ECs4810 /// yihZ	MG1655_b3887	-0.46384382	0.7564454	0.02478218	-1.2202892	0.7316632
1759752_s_at	gnd /// gnd	CFT073_gnd_c2556	-0.462595	0.72343636	-0.079995155	-1.1860313	0.8034315
1759762_s_at	c4498 /// ECs1372 ///	CFT073_c4498	-0.36747575	0.7407906	0.08390927	-1.1082664	0.65688133

	insB /// Z1192 /// Z1632						
1759766_s_at		IG_2363641_2363914-f	1.2938356	1.696054	1.2364283	-0.40221834	0.45962572
1759782_s_at	c5428 /// ECs5312 /// yjiX /// yjiX	MG1655_yjiX_b4353	-1.5371692	0.58731365	-1.3698258	-2.1244829	1.9571395
1759804_s_at	ECs4849 /// fpr	MG1655_fpr_b3924	-0.8936918	0.15744472	-0.7480581	-1.0511365	0.9055028
1759831_at	fecA	MG1655_fecA_b4291	-2.3208485	0.062535286	-1.9084914	-2.3833838	1.9710267
1759873_s_at	ECs2558 /// yebG /// yebG	MG1655_yebG_b1848	-0.5161257	1.7259431	1.1901369	-2.2420688	0.5358062
1759912_s_at	ECs5215 /// nrdD /// nrdD	MG1655_nrdD_b4238	-0.89203906	0.56665564	-0.5956328	-1.4586947	1.1622884
1759938_at	pinE	MG1655_pin_b1158	0.521245	-0.56798387	-0.06853819	1.0892289	-0.49944568
1759964_s_at		IG_3208185_3208421-f	-0.004188538	-1.0532737	-0.013774395	1.0490851	-1.0394993
1759977_s_at	ECs4207 /// yhfA /// yhfA	MG1655_yhfA_b3356	-0.20583677	0.8493128	0.11728144	-1.0551496	0.73203135
1759993_s_at	ECs2856 /// gmm /// wcaH	MG1655_wcaH_b2051	0.77461696	-0.3171785	0.20773363	1.0917954	-0.5249121
1760005_s_at		IG_1956157_1956543-r	0.07258177	-1.31618	-0.11765647	1.3887618	-1.1985235
1760027_s_at		IG_2342190_2342884-f	1.9298902	2.0794978	1.7465091	-0.14960766	0.33298874
1760068_s_at	ECs0059 /// imp /// lptD	MG1655_imp_b0054	-0.53982306	0.80725265	0.3363955	-1.3470757	0.47085714
1760123_s_at	c1605 /// ycgE /// ycgE	CFT073_c1605	-0.41126823	-2.057868	-0.18355227	1.6465998	-1.8743157
1760139_s_at	c2541	CFT073_c2541	-0.27376652	-1.4551213	-0.6475923	1.1813548	-0.807529
1760174_s_at		IG_837149_837412-f	-1.2412379	-1.2423565	-1.2288027	0.00111866	-0.013553858
1760188_at	c5398	CFT073_c5398	-0.07975817	-1.6344218	0.30447483	1.5546637	-1.9388967
1760193_s_at	dgkA /// ECs5025	MG1655_dgkA_b4042	-0.40758634	0.78887177	0.29276013	-1.1964581	0.49611163

1760205_s_at	ECs5150 /// hflK /// hflK	MG1655_hflK_b4174	-0.6356802	0.66795015	-0.11374378	-1.3036304	0.78169394
1760215_s_at	ECs4632 /// yidA /// yidA	MG1655_yidA_b3697	-0.27708364	0.79672265	0.090028524	-1.0738063	0.7066941
1760217_s_at	agp /// c1138 /// ECs1158	CFT073_c1138	-1.0192568	0.15010715	-1.0450897	-1.169364	1.1951969
1760223_s_at	ECs3988 /// yhaK /// yhaK	MG1655_yhaK_b3106	-2.55302	-0.05210495	-2.8079593	-2.500915	2.7558544
1760225_s_at	rpoB /// rpoB	MG1655_rpoB_b3987	-0.8503542	0.4402809	0.03630829	-1.2906351	0.40397263
1760227_s_at	c3192 /// c3194	CFT073_c3194	1.665719	2.1491385	1.4491239	-0.48341942	0.7000146
1760266_at	c5012	CFT073_c5012	0.09303641	1.5044684	0.31343818	-1.411432	1.1910303
1760280_at	aroG	CFT073_aroG_c0830	-0.7157748	-1.3941395	-1.0529494	0.67836475	-0.3411901
1760308_s_at	ECs3749 /// yqeC /// yqeC /// Z4215	MG1655_b2876	-0.062011003	0.84433055	-0.32349658	-0.90634155	1.1678271
1760310_at	yfjI	MG1655_yfjI_b2625	1.0611567	0.78790617	0.6998825	0.27325058	0.08802366
1760314_s_at	c2615 /// ECs2893 /// gatR	MG1655_gatR_2_b209 0	-0.17909908	1.1745172	-0.042250156	-1.3536162	1.2167673
1760339_s_at	ECs5132 /// frdD /// frdD	MG1655_frdD_b4151	-1.760673	-0.4521327	-1.3601675	-1.3085403	0.9080348
1760343_s_at	deoA /// ECs5595	SAKAI_EC5595	0.11631203	1.8440261	0.008548975	-1.7277141	1.8354771
1760377_s_at	srlR /// srlR	MG1655_srlR_b2707	-0.02311182	2.0040548	-0.3910091	-2.0271666	2.3950639
1760378_s_at	deoA	MG1655_deoA_b4382	-0.4737854	1.3621435	-0.22920752	-1.8359289	1.591351
1760381_s_at	pinH /// Z3949	MG1655_b2648	1.1272893	1.088613	0.8549986	0.038676262	0.23361444
1760413_s_at	ECs3879 /// hybC /// hybC	MG1655_hybC_b2994	-0.42927933	0.7963271	-0.3044846	-1.2256064	1.1008117
1760419_at	smg	MG1655_smg_b3284	-0.37759542	1.3968272	0.12900734	-1.7744226	1.2678199

1760423_s_at	ECs2489 /// yeaD /// yeaD	MG1655_yeaD_b1780	-0.9681759	-0.05194044	-1.5314629	-0.91623545	1.4795225
1760428_s_at	glpC /// glpC	MG1655_glpC_b2243	-2.226704	0.4197173	-2.4061708	-2.6464212	2.8258882
1760439_s_at	ECs3576 /// hycF /// hycF	MG1655_hycF_b2720	1.1231749	-0.08144593	0.35964465	1.2046208	-0.44109058
1760443_s_at	ECs1464 /// rluC /// rluC /// yceC	MG1655_b1086	8.81E-04	-0.4907229	0.6308925	0.49160385	-1.1216154
1760480_s_at	glyA	MG1655_glyA_b2551	-1.0302029	-0.08400679	-0.70543575	-0.9461961	0.62142897
1760489_s_at	dcuA /// dcuA /// ECs5119	MG1655_dcuA_b4138	-0.63761425	1.1341338	-0.4876554	-1.7717481	1.6217892
1760507_at	nmpC	MG1655_nmpC_b0553	-2.9316902	0.63730335	-2.7739027	-3.5689936	3.411206
1760525_at	rtcA	MG1655_b3419	0.4992075	1.0669208	0.77262044	-0.56771326	0.29430032
1760545_s_at	ECs2098 /// gadB /// gadB /// gadB	MG1655_gadB_b1493	1.7449191	0.89535856	0.9990485	0.8495605	-0.10368991
1760630_s_at	ECs4277 /// glgB /// glgB	MG1655_glgB_b3432	-0.5598016	1.1218402	-0.10581064	-1.6816418	1.2276509
1760652_s_at	deoD /// deoD	MG1655_deoD_b4384	-1.4719043	0.48492765	-1.0895209	-1.9568319	1.5744486
1760653_s_at	hemH	MG1655_hemH_b0475	0.022908688	1.0083573	0.14962888	-0.9854486	0.8587284
1760682_s_at	glmU /// glmU	MG1655_glmU_b3730	-0.044648647	1.0449018	0.54735947	-1.0895505	0.49754238
1760684_s_at	malF /// malF	MG1655_malF_b4033	-0.81685495	0.52684474	-1.3916898	-1.3436997	1.9185345
1760700_s_at	c2909 /// ECs3253 /// oxc /// Z3637	MG1655_b2373	2.5142167	-0.18668747	1.7997317	2.7009041	-1.9864192
1760721_s_at	srlA /// srlA /// srlA_2	EDL933_srlA_2_Z4006	-0.296062	0.7873306	-0.9814801	-1.0833926	1.7688107
1760726_s_at	c4645	CFT073_c4645	1.1031647	1.4687409	0.9070463	-0.36557627	0.5616946
1760735_s_at	ECs0245 /// yncl /// Z0275	MG1655_b1459	0.7787318	-0.43244433	-0.04710841	1.2111762	-0.38533592
1760755_s_at	c0897	CFT073_c0897	-1.601274	-2.37387	-2.140369	0.7725959	-0.23350096

1760756_at		MG1655_b0370	1.2540069	1.4356241	0.9802456	-0.18161726	0.45537853
1760764_s_at	ECs3702 /// yqeG /// yqeG /// Z4165	MG1655_b2845	0.62146807	-0.5598278	0.34740353	1.1812959	-0.90723133
1760783_s_at	tdh	EDL933_tdh_Z5043	-0.67013	0.47112155	-0.25625467	-1.1412516	0.7273762
1760806_s_at	ECs1935 /// racC /// racC	MG1655_racC_b1351	0.5522995	1.4822321	0.69242907	-0.9299326	0.789803
1760816_s_at		IG_266192_266407-r	0.25366426	-0.89273214	0.043088675	1.1463964	-0.9358208
1760828_s_at	ECs0084 /// fruR /// fruR	MG1655_fruR_b0080	-0.32169938	1.0251746	0.08006668	-1.346874	0.94510794
1760837_s_at	glpA /// glpA	CFT073_glpA_c2782	-0.9416702	0.76996803	-0.83344316	-1.7116382	1.6034112
1760839_s_at	ybiC /// ybiC	MG1655_ybiC_b0801	-2.1017423	0.057154655	-1.6761553	-2.158897	1.73331
1760844_s_at	ECs0963 /// ybjX /// ybjX /// ybjX	MG1655_ybjX_b0877	0.6401293	0.23919344	1.1542547	0.4009359	-0.91506124
1760846_at	dinD	MG1655_dinD_b3645	0.8429618	2.2968936	0.7364564	-1.4539318	1.5604372
1760852_s_at	lamB /// lamB	MG1655_lamB_b4036	-1.6747081	0.511827	-2.4433007	-2.1865351	2.9551277
1760878_s_at	ECs0033 /// rihC /// yaaF	MG1655_b0030	-0.93153524	0.98006153	-0.9612069	-1.9115968	1.9412684
1760920_s_at		IG_1976231_1976541-f	-0.22482324	-1.266139	-0.5079901	1.0413158	-0.7581489
1760942_s_at		IG_253162_253466-r	1.0211868	0.3265338	0.5699096	0.69465303	-0.24337578
1760943_s_at	pgi /// pgi	MG1655_pgi_b4025	-0.37473106	0.48734474	-0.5364964	-0.8620758	1.0238411
1760976_s_at	fliJ /// fliJ	MG1655_fliJ_b1942	0.55702114	-0.47901702	0.2784481	1.0360382	-0.7574651
1761050_s_at	tnaA /// tnaA	MG1655_tnaA_b3708	-1.1884618	1.0886807	-1.5164325	-2.2771425	2.6051133
1761068_s_at	gutQ	MG1655_gutQ_b2708	-0.55236554	1.131855	-0.08189392	-1.6842206	1.2137489
1761096_s_at	rfaD /// rfaD	MG1655_rfaD_b3619	-0.08166051	1.1788359	0.47331452	-1.2604964	0.70552135
1761113_s_at	ygeV /// ygeV	MG1655_ygeV_b2869	-1.3839393	0.25915575	-0.9562502	-1.643095	1.215406
1761137_s_at	malG /// malG	MG1655_malG_b4032	-0.50173306	1.0372293	-0.68878746	-1.5389624	1.7260168
1761155_at	ECs2890	SAKAI_EC2890	1.7804921	-0.18840492	2.040871	1.968897	-2.2292757

1761173_s_at	ECs3561 /// srID	MG1655_srID_b2705	-0.37446117	1.7220159	-0.6407771	-2.096477	2.362793
1761243_s_at	csiE /// csiE /// ECs3401	MG1655_csiE_b2535	-0.075431585	0.9462879	-0.10645819	-1.0217195	1.052746
1761244_s_at	rplV /// rplV	MG1655_rplV_b3315	-1.0115657	0.20231628	-0.2554183	-1.213882	0.45773458
1761273_at	fecD	MG1655_fecD_b4288	-1.051342	0.13324761	-1.0646732	-1.1845896	1.1979208
1761337_s_at	c4081	CFT073_c4081	-1.382211	-0.49481297	-0.739418	-0.887398	0.24460506
1761340_s_at		IG_2087763_2088017-f	1.6982856	1.8026214	1.067379	-0.104335785	0.73524237
1761348_at	paaF	MG1655_b1393	0.38112044	-0.8746426	0.33761263	1.255763	-1.2122552
1761362_s_at	purU /// purU	MG1655_purU_b1232	0.34994698	0.001364946	1.1982832	0.34858203	-1.1969182
1761371_s_at	c2528	CFT073_c2528	0.1060586	1.4426284	0.38965487	-1.3365698	1.0529735
1761411_s_at	omrB	MG1655_rygB_b4445	0.3840952	-1.0859604	-0.011079311	1.4700556	-1.0748811
1761420_s_at	glgA	MG1655_glgA_b3429	-0.9708533	0.40906644	-0.70170975	-1.3799198	1.1107762
1761431_s_at		IG_1390915_1391229-f	0.61140895	1.1485844	0.30245304	-0.5371754	0.8461313
1761433_s_at	ompR /// ompR	MG1655_ompR_b3405	-0.20198274	0.98246384	0.102651596	-1.1844466	0.87981224
1761441_s_at	ECs1841 /// rluB /// yciL	MG1655_yciL_b1269	0.24656773	-0.23914051	0.88136625	0.48570824	-1.1205068
1761449_s_at	ECs2351 /// slyA /// slyA	MG1655_slyA_b1642	-1.3264527	-1.3567967	-1.036375	0.03034401	-0.3204217
1761468_s_at	tktA /// tktA	MG1655_tktA_b2935	-0.3707795	1.2439008	-0.004648209	-1.6146803	1.248549
1761480_s_at	ECs5184 /// ytfB /// ytfB	MG1655_ytfB_b4206	-0.31787157	0.8715627	0.24513221	-1.1894343	0.6264305
1761557_s_at	c1618	CFT073_c1618	1.0669446	0.9352064	1.0912132	0.13173819	-0.15600681
1761558_s_at	intP_2 /// intQ	EDL933_intP_2_Z2568	0.9989288	-0.2947142	0.05993128	1.293643	-0.3546455
1761562_at	dicC	MG1655_dicC_b1569	1.2754407	1.3653893	1.2624393	-0.089948654	0.102950096
1761588_s_at	ECs3996 /// tdcC /// tdcC	MG1655_tdcC_b3116	-0.63583446	1.6205444	-0.5893595	-2.256379	2.209904
1761589_s_at	ECs5036 /// tyrB /// tyrB	MG1655_tyrB_b4054	-0.73977184	0.7884736	-0.15495467	-1.5282454	0.9434283



1761599_s_at	srIE /// srIE /// srIE_1	EDL933_srIE_1_Z4007	-0.7567725	0.8693323	-1.9482298	-1.6261048	2.817562
1761600_s_at	ECs4713 /// rhIB /// rhIB	MG1655_rhIB_b3780	-0.41747713	0.7001896	0.034645557	-1.1176667	0.66554403
1761605_s_at	glyQ /// glyQ	MG1655_glyQ_b3560	-0.48841238	0.7913475	-0.17546988	-1.2797599	0.9668174
1761613_s_at	ECs3712 /// ygeK	MG1655_b2856	1.6838593	1.0548139	1.3574157	0.6290455	-0.3026018
1761620_s_at	ECs5217 /// treB /// treB	MG1655_treB_b4240	-1.6475887	0.35451698	-1.2522898	-2.0021057	1.6068068
1761638_s_at	ECs1692 /// ymgE /// ymgE /// ymgE	MG1655_ymgE_b1195	1.1127429	0.14264202	0.63159084	0.9701009	-0.48894882
1761641_s_at	ECs0771 /// ybgC /// ybgC	MG1655_ybgC_b0736	0.40176845	0.63517046	1.0107841	-0.23340201	-0.3756137
1761663_s_at	ECs4786 /// polA /// polA	MG1655_polA_b3863	-0.55484486	0.7720735	-0.29524088	-1.3269184	1.0673144
1761680_s_at	c0723	CFT073_c0723	-1.0329967	-1.8106623	-0.6312866	0.7776656	-1.1793756
1761682_s_at	cpxP /// cpxP	MG1655_b3913	-0.15398693	0.95073557	-0.0308218	-1.1047225	0.98155737
1761713_s_at	ECs2858 /// gmd /// gmd /// gmd	MG1655_gmd_b2053	0.71041965	-0.35560632	0.30111003	1.066026	-0.65671635
1761717_s_at	degQ /// degQ /// ECs4107	MG1655_degQ_b3234	-0.4812913	0.9293003	0.03316593	-1.4105916	0.8961344
1761720_s_at		IG_1212331_1212550-r	0.074569464	-0.4952762	0.6153512	0.5698457	-1.1106274
1761734_s_at	c4302 /// Z4906	EDL933_Z4906	0.9554634	1.0787215	0.9339857	-0.123258114	0.14473581
1761750_s_at	srIA /// srIA_1	MG1655_srIA_b2702	-0.38869762	1.1835804	-1.0645485	-1.572278	2.248129
1761752_s_at	ileS	MG1655_ileS_b0026	-0.573539	0.59598184	-0.077540636	-1.1695209	0.6735225
1761763_s_at	ECs3478 /// recN	MG1655_recN_b2616	-0.18331385	3.5679345	1.8862739	-3.7512484	1.6816607

1761769_s_at	ECs2402 /// ydiO /// ydiO /// Z2723	CFT073_ydiO_c2090	0.38204646	-0.64626	0.06470561	1.0283065	-0.71096563
1761788_s_at	ECs4495 /// kbl /// kbl	MG1655_kbl_b3617	-0.8611772	0.64738965	-0.26343298	-1.5085669	0.91082263
1761815_s_at	dinB /// dinP /// ECs0258	MG1655_dinB_b0231	0.014513731	2.5217113	1.2221878	-2.5071976	1.2995236
1761820_s_at		IG_1934339_1934675-r	-1.535367	-2.4884825	-1.8512278	0.95311546	-0.6372547
1761844_s_at	dapD /// dapD	MG1655_dapD_b0166	-0.5751889	0.5639286	-0.3097577	-1.1391175	0.8736863
1761850_s_at		IG_1294422_1294668-r	-1.8042693	-0.36795807	-1.58236	-1.4363112	1.214402
1761852_s_at		IG_3571136_3571407-r	0.8327136	1.3490672	0.3432865	-0.5163536	1.0057807
1761870_s_at		IG_528355_528868-r	0.3753667	-0.7076707	-0.03455925	1.0830374	-0.67311144
1761892_s_at		IG_545588_545903-f	-0.07619691	-1.4794931	-0.16050506	1.4032962	-1.3189881
1761932_s_at	ECs4066 /// ispB	MG1655_ispB_b3187	-0.09060526	0.9426112	0.16448736	-1.0332165	0.77812386
1761937_s_at	ECs5155 /// rnr /// vacB	MG1655_b4179	-0.7655215	0.2992773	-0.4867959	-1.0647988	0.7860732
1761962_s_at	ECs0787 /// galE	MG1655_galE_b0759	0.09743476	0.9114516	-0.13466024	-0.8140168	1.0461118
1761976_s_at	ruvB /// ruvB	MG1655_ruvB_b1860	-0.027570963	1.2897217	0.75527215	-1.3172927	0.5344496
1761982_s_at	c2913	CFT073_c2913	-0.6542115	0.8476815	-0.59438753	-1.501893	1.442069
1761983_s_at	glpT	MG1655_glpT_b2240	-0.93007565	0.31221247	-1.4687898	-1.2422881	1.7810023
1761998_s_at	ECs4115 /// yhcR	MG1655_yhcR_b3242	1.0138206	0.5007577	0.49091625	0.51306295	0.009841442
1761999_s_at	ECs4191 /// fusA /// fusA	MG1655_fusA_b3340	-0.9897685	0.25625563	-0.27705383	-1.2460241	0.53330946
1762022_s_at	ECs5279 /// fimH /// fimH /// fimH	MG1655_fimH_b4320	0.49933577	-1.5566885	0.8289337	2.0560243	-2.3856223
1762024_s_at	pspG	SAKAI_EC5032	-0.20467186	-1.0697453	-0.71175385	0.86507344	-0.35799146
1762036_s_at	rpmE /// rpmE	MG1655_rpmE_b3936	-0.7423477	-1.3697195	0.002460957	0.6273718	-1.3721805

1762061_s_at	ECs0880 /// ybiJ /// ybiJ	MG1655_ybiJ_b0802	-2.5436597	0.5240803	-2.3657112	-3.06774	2.8897915
1762075_s_at	rpmC /// rpmC	MG1655_rpmC_b3312	-1.2007866	-0.35344458	-0.26199532	-0.847342	-0.09144926
1762101_s_at		IG_2257317_2257738-f	0.20904922	-0.93743014	-0.14659834	1.1464794	-0.7908318
1762126_s_at	ECs4644 /// tnaC /// tnaL	MG1655_tnaL_b3707	-0.92726326	0.45924568	-1.2653022	-1.386509	1.7245479
1762145_s_at	rpsT /// rpsT	MG1655_rpsT_b0023	-0.80317974	-1.6288128	0.085436344	0.82563305	-1.7142491
1762148_s_at	dtpB /// ECs4368 /// yhiP	MG1655_yhiP_b3496	-0.1191144	1.0255895	-0.094993114	-1.1447039	1.1205826
1762182_s_at	tuf /// tufA /// tufB	MG1655_tufA_b3339	-0.71434975	0.5151677	-0.16719723	-1.2295175	0.68236494
1762187_s_at	c2023 /// ECs2340 /// rsxG /// Z2640	MG1655_b1631	0.014199257	-0.40952492	0.9907677	0.42372417	-1.4002926
1762191_s_at	malE /// malE	MG1655_malE_b4034	-1.2694383	0.5321417	-1.7442925	-1.80158	2.2764342
1762195_s_at		IG_1415788_1416031-f	0.5237527	1.7137146	0.8168874	-1.1899619	0.8968272
1762208_s_at	csgF /// csgF /// ECs1415	MG1655_csgF_b1038	0.98984694	-0.12019825	0.5426178	1.1100452	-0.66281605
1762224_s_at	ECs4226 /// trpS	MG1655_trpS_b3384	-0.4402845	0.8528843	0.016377926	-1.2931688	0.83650637
1762295_s_at		IG_1463086_1463415-f	1.2055182	-0.1790142	0.61438084	1.3845325	-0.79339504
1762313_s_at	ECs4088 /// elbB /// yhbL	MG1655_yhbL_b3209	-0.30031586	0.7304785	-0.38877797	-1.0307944	1.1192565
1762321_s_at		IG_1278572_1279086-f	0.8279464	1.0471394	0.6422901	-0.21919298	0.4048493
1762330_s_at	yfdQ /// yfdQ	MG1655_b2360	0.53154206	-0.609396	0.09040475	1.140938	-0.6998007
1762379_at	yjhU	MG1655_yjhU_b4295	-0.54533625	0.7605548	0.38847876	-1.305891	0.37207603
1762397_s_at	allC /// ylbB	MG1655_b0516	0.74751806	-0.76433897	0.14210701	1.511857	-0.906446
1762413_s_at		IG_3069265_3069478-r	-1.8060384	0.27449608	-1.3143535	-2.0805345	1.5888495
1762450_at		MG1655_sraF_b4448	-0.683125	-1.5727577	-0.5132508	0.8896327	-1.0595069

1762487_s_at	ECs4764 /// yigP /// yigP	MG1655_yigP_b3834	-0.29326248	1.1730227	0.6100397	-1.4662852	0.56298304
1762511_s_at	ECs2011 /// ynbB /// ynbB /// Z2318	MG1655_b1409	0.5496669	-0.83636045	-0.064432144	1.3860273	-0.7719283
1762519_s_at	ECs2030 /// Z2293	MG1655_b1425	1.1618705	1.4964228	1.0081692	-0.3345523	0.4882536
1762546_s_at	ECs5275 /// fimC /// fimC /// fimC	MG1655_fimC_b4316	0.30159807	-0.7441673	0.5718813	1.0457654	-1.3160486
1762553_s_at	c3182 /// essQ	CFT073_c3182	1.0716825	0.35673332	0.30316877	0.71494913	0.05356455
1762556_s_at		IG_1073235_1073464-r	-0.033558607	-1.1225898	-0.4338374	1.0890312	-0.6887524
1762596_s_at	ECs1673	SAKAI_EC1673	0.29029322	-0.9232073	-0.23650551	1.2135005	-0.6867018
1762626_s_at	infA	MG1655_infA_b0884	-0.1788888	-0.7235241	0.66828203	0.5446353	-1.3918061
1762628_s_at		IG_836660_836887-r	-1.4148993	-0.6227696	-1.3189735	-0.79212976	0.69620395
1762671_s_at	ECs0154 /// fhuA	MG1655_fhuA_b0150	-0.96391535	0.3020444	-0.25027108	-1.2659597	0.5523155
1762672_s_at	ECs3983 /// yqjF /// yqjF	CFT073_yqjF_c3859	-2.5852225	-0.93603325	-2.8647337	-1.6491892	1.9287004
1762677_s_at	ECs2897 /// gatA /// gatA	MG1655_gatA_b2094	-0.815927	0.37505102	-1.1058536	-1.190978	1.4809046
1762711_s_at	ECs4671 /// glmS /// glmS	MG1655_glmS_b3729	-0.29124832	0.79207516	0.6333103	-1.0833235	0.15876484
1762765_s_at		IG_1344767_1345001-f	0.44234943	-0.68075514	-0.44991517	1.1231046	-0.23083997
1762837_s_at	ECs4045 /// pnp	MG1655_pnp_b3164	-0.6353278	0.4954152	0.03254509	-1.130743	0.46287012
1762840_at	beeE	MG1655_ymfO_b1151	0.5233183	-0.50036407	0.21653724	1.0236824	-0.7169013
1762842_at	mmuM	MG1655_b0261	-0.9150517	0.4030292	-0.34641933	-1.3180809	0.74944854
1762846_s_at	rplA /// rplA	MG1655_rplA_b3984	-0.55590963	0.47366524	0.31369448	-1.0295749	0.15997076
1762857_s_at	ECs3048 /// lysP	MG1655_lysP_b2156	1.2000644	-0.31689334	1.996877	1.5169578	-2.3137703

1762924_s_at	ECs2810 /// yeeA /// yeeA	MG1655_yeeA_b2008	0.007173538	1.7672396	0.90773606	-1.760066	0.8595035
1762947_s_at	ECs2898 /// gatZ /// gatZ	MG1655_gatZ_b2095	-1.3019972	-0.08681536	-1.78017	-1.2151818	1.6933546
1762958_s_at	tfaQ /// tfaR	MG1655_b1373	0.6849797	-0.38623452	-0.07474542	1.0712142	-0.3114891
1762959_s_at	gldA /// gldA	MG1655_gldA_b3945	-0.63097095	0.504436	-0.61363506	-1.135407	1.1180711
1762961_s_at	c5293	CFT073_c5293	-1.2843556	-1.7544911	-0.9301262	0.47013545	-0.8243649
1762962_s_at	ECs5311 /// yjiA /// yjiA /// Z5951	MG1655_yjiA_b4352	-1.6150577	0.4861374	-1.4080415	-2.101195	1.8941789
1762970_s_at		IG_2137508_2137780-f	0.39658403	-0.7905035	1.0041656	1.1870875	-1.7946692
1762972_s_at	c1304 /// ECs1418	CFT073_c1304	-0.3143301	-1.0700645	-1.2349591	0.75573444	0.16489458
1762979_s_at	lysS /// lysU	MG1655_lysU_b4129	-0.525671	0.8130264	-0.31067562	-1.3386974	1.123702
1763007_s_at	pepP	MG1655_pepP_b2908	-0.85656023	0.66919494	-0.17382836	-1.5257552	0.8430233
1763031_s_at	leuS	MG1655_leuS_b0642	-0.3394475	0.7285297	0.18433571	-1.0679772	0.544194
1763050_s_at		IG_1739147_1739436-f	-0.28845358	0.89421797	0.15074301	-1.1826715	0.74347496
1763067_s_at		IG_2683528_2683854-f	0.24316692	-0.78604984	-0.21832204	1.0292168	-0.5677278
1763069_s_at	ECs2528 /// manY /// manY /// manY	MG1655_manY_b1818	-1.1485653	0.7581196	-2.0765705	-1.9066849	2.83469
1763091_s_at	nirD /// nirD	MG1655_nirD_b3366	0.21972156	-0.951442	-0.22237897	1.1711636	-0.72906303
1763092_at	omrA	MG1655_rygA_b4444	0.3393407	-0.67988324	0.14714098	1.0192239	-0.8270242
1763102_s_at	ECs5274 /// fimI /// fimI /// fimI	CFT073_fimI_c5394	0.013131619	-1.416029	0.3873043	1.4291606	-1.8033333
1763169_s_at	deoB /// ECs5342	MG1655_deoB_b4383	-0.9316125	0.74457693	-0.28604317	-1.6761894	1.0306201
1763185_s_at	c5221	CFT073_c5221	-0.22556162	0.033425808	-1.0386672	-0.25898743	1.072093

1763204_s_at	ECs4646 /// tnaB /// tnaB	MG1655_tnaB_b3709	-0.019147873	0.88331795	-0.25692606	-0.9024658	1.140244
1763206_s_at	ECs5349 /// yjjK /// yjjK	MG1655_yjjK_b4391	-0.2594695	0.8948772	0.11082697	-1.1543467	0.7840502
1763244_s_at	c2206	CFT073_c2206	0.17123151	-0.96066713	-0.28672647	1.1318986	-0.67394066
1763251_at	fecE	MG1655_fecE_b4287	-1.6315646	0.4475143	-1.2294884	-2.079079	1.6770027
1763257_s_at	dctR /// ECs4378 /// yhiF /// yhiF	MG1655_yhiF_b3507	0.5987246	-0.5758138	0.15393066	1.1745384	-0.72974443
1763275_s_at	ECs4694 /// rbsK	MG1655_rbsK_b3752	-0.42451382	1.0546494	0.06752348	-1.4791632	0.9871259
1763282_s_at	Z4148	EDL933_Z4148	0.026080132	-1.18747	-0.12451291	1.2135501	-1.062957
1763312_at	csrB	MG1655_csrB_b4408	-2.5829163	0.9198842	-2.3196182	-3.5028005	3.2395024
1763323_s_at	c3867 /// ECs3990 /// yhaM /// Z4462	MG1655_yhaN_b3109	-0.5659907	0.81297064	-0.45067954	-1.3789613	1.2636502
1763330_at	ygcB	MG1655_ygcB_b2761	0.8091407	-0.31478477	0.001538992	1.1239254	-0.31632376
1763334_s_at	ECs2356 /// ydhF /// ydhF /// Z2664	EDL933_Z2664	-0.1156342	0.9890363	0.04116106	-1.1046705	0.94787526
1763336_s_at	fabZ /// fabZ	MG1655_fabZ_b0180	0.3885088	0.33103228	1.1607094	0.05747652	-0.8296771
1763339_s_at	nagC /// nagC	MG1655_nagC_b0676	-0.30397344	0.759624	-0.01358366	-1.0635974	0.77320766
1763405_s_at	ECs5029 /// yjbK /// zur	SAKAI_EC5029	-0.08396959	0.92076445	0.22056293	-1.004734	0.7002015
1763422_s_at	bamE /// c3139	CFT073_c3139	-0.2714224	1.5257823	0.6539862	-1.7972047	0.87179613
1763430_s_at	rpmG /// rpmG	MG1655_rpmG_b3636	-0.8284769	-1.4010062	-0.24746084	0.5725293	-1.1535454
1763456_s_at	rrsA /// rrsB /// rrsC /// rrsD /// rrsE	MG1655_rrsH_b0201	1.086649	2.2012515	1.6305642	-1.1146026	0.5706873

	/// rrsG /// rrsH /// rrsH						
1763457_s_at	c1870 /// ECs2049 /// Z2274	MG1655_b1445	0.2865734	-0.69256616	0.31776762	0.97913957	-1.0103338
1763498_s_at		IG_2783373_2783781-f	0.5689845	-0.6443136	-0.2141788	1.2132981	-0.43013477
1763531_s_at	ECs2891 /// yegR /// yegR /// Z3251	MG1655_b2085	3.5831857	-0.8508363	3.5493374	4.434022	-4.4001737
1763533_at	metH	MG1655_metH_b4019	-0.50317	0.5242958	-0.33859563	-1.0274658	0.86289144
1763546_s_at	ECs3562 /// gutM /// gutM	MG1655_gutM_b2706	-0.31060195	0.93626404	-0.9050813	-1.246866	1.8413453
1763550_s_at	ybiB /// ybiB	MG1655_ybiB_b0800	-0.1817398	1.2645328	0.42475557	-1.4462726	0.83977723
1763569_s_at	ECs4148 /// rimN /// yrdC	MG1655_yrdC_b3282	0.17120361	1.2423296	0.6371732	-1.071126	0.6051564
1763619_s_at	ECs2809 /// yeeX /// yeeX	MG1655_yeeX_b2007	-1.039557	0.18406677	-0.94477797	-1.2236238	1.1288447
1763622_s_at	ECs4615 /// yidF /// yidF /// yidF	MG1655_yidF_b3674	-0.41907358	0.90002394	0.1619482	-1.3190975	0.73807573
1763652_s_at	ECs3796 /// fba /// fbaA	MG1655_b2925	-1.2817421	1.0668101	-1.0173182	-2.3485522	2.0841284
1763676_s_at		IG_292173_292443-r	0.5530851	-0.47569108	0.04653907	1.0287762	-0.52223015
1763683_s_at	c2061 /// ECs2376 /// ydhT /// ydhT /// Z2696	CFT073_c2061	0.9446604	-0.3755002	0.7154	1.3201606	-1.0909002
1763703_s_at		IG_3494515_3494891-f	0.5094147	-0.8307414	-0.35307932	1.3401561	-0.4776621
1763709_s_at	clpP /// clpP	MG1655_clpP_b0437	-0.6764307	0.44882774	-0.6549649	-1.1252584	1.1037927
1763715_s_at	bcsF /// ECs4417 /// yhjT	MG1655_yhjT_b3537	-0.5689783	-0.2517109	-1.3042374	-0.31726742	1.0525265

1763721_s_at	yjiK /// yjiK	MG1655_yjiK_b4333	0.45560026	-0.7445793	-0.08517408	1.2001796	-0.65940523
1763723_s_at	ECs0158 /// hemL /// hemL	MG1655_hemL_b0154	-0.29362893	1.0232663	0.211761	-1.3168952	0.8115053
1763733_s_at	ECs4690 /// rbsD /// rbsD	MG1655_rbsD_b3748	-0.9483547	-0.96396303	-1.2258391	0.015608311	0.2618761
1763742_s_at		IG_1529601_1529839-r	0.25050807	-0.9128959	-0.17941523	1.163404	-0.7334807
1763745_s_at	ECs1027 /// ycbV /// Z1292	MG1655_b0943	0.39536095	-0.86287427	-0.022246838	1.2582352	-0.84062743
1763781_s_at	gltP	MG1655_gltP_b4077	0.7276397	-0.73335457	1.3953729	1.4609942	-2.1287274
1763783_s_at	ECs5026 /// lexA /// lexA	MG1655_lexA_b4043	-0.5254345	2.1507254	1.2326174	-2.6761599	0.918108
1763794_s_at	nuoF /// nuoF	MG1655_nuoF_b2284	-0.22423935	0.86089706	0.35840845	-1.0851364	0.5024886
1763824_s_at		IG_190600_190856-r	-1.0307856	-1.3024757	-0.73795605	0.27169013	-0.56451964
1763827_s_at	atoC /// atoC	MG1655_atoC_b2220	-0.7314968	0.20664382	-1.0034173	-0.93814063	1.2100611
1763881_s_at	cydA /// cydA /// cydA /// ECs0768	MG1655_cydA_b0733	-0.77130747	0.89190483	-0.8132019	-1.6632123	1.7051067
1763896_s_at	ECs5276 /// fimD /// fimD /// fimD	MG1655_fimD_b4317	0.04036665	-1.6598735	0.50491524	1.7002401	-2.1647887
1763911_at	yfdK	MG1655_b2354	0.58246374	-0.5916965	0.060899973	1.1741602	-0.6525965
1763927_s_at	c3354	CFT073_c3354	1.3265839	0.4149723	0.6588898	0.91161156	-0.24391747
1763948_s_at	ECs0857 /// uvrB /// uvrB	MG1655_uvrB_b0779	-0.13708639	1.735359	0.66443396	-1.8724453	1.070925
1763985_s_at	ffs /// ffs	MG1655_ffs_b0455	-0.9774122	-2.731616	-0.66350365	1.7542038	-2.0681124
1763990_at	yibO	CFT073_yibO_c4438	-0.8914335	-0.7262018	-1.1610017	-0.1652317	0.4347999
1764031_s_at	ECs3960 /// ygiI /// ygiI /// ygiI	MG1655_ygiI_b3078	-0.14049768	-1.1565609	-0.65392566	1.0160632	-0.50263524
1764038_s_at		IG_2492423_2492717-r	1.0080986	0.89161897	0.9649224	0.116479635	-0.07330346
1764045_at	glxR	MG1655_b0509	0.549829	-0.67794657	0.03246522	1.2277756	-0.7104118



1764093_s_at	c3478	CFT073_c3478	0.024638176	-1.0640097	-0.3360138	1.0886478	-0.7279959
1764112_s_at	ECs3177 /// yfbT /// yfbT	MG1655_yfbT_b2293	-0.77677584	0.2266078	-0.74435997	-1.0033836	0.97096777
1764136_s_at		IG_3426400_3426656-f	-0.104136944	-1.2219605	0.44693804	1.1178236	-1.6688986
1764154_s_at	c3466	CFT073_c3466	-0.49480534	-1.439718	-0.59895706	0.9449127	-0.84076095
1764166_at	c4584	CFT073_c4584	0.7096982	0.46848106	1.0047688	0.24121714	-0.5362878
1764170_s_at		IG_2458979_2459319-r	0.76656294	-0.48758125	-0.090685844	1.2541442	-0.3968954
1764187_s_at	malQ /// malQ	MG1655_malQ_b3416	-1.0481994	1.0384047	-1.0923672	-2.086604	2.1307719
1764198_s_at	c3957 /// ECs4076 /// kdsD /// yrbH	MG1655_yrbH_b3197	-0.47695398	0.65924597	-0.10548496	-1.1362	0.76473093
1764246_at	yfdL	MG1655_yfdL_b2355	0.70811653	-0.5645218	0.42326212	1.2726383	-0.9877839
1764251_s_at	ampD /// ampD /// ECs0114	MG1655_ampD_b0110	-0.23979425	0.9177191	0.083423376	-1.1575134	0.83429575
1764253_s_at	ECs2488 /// gapA /// gapA	MG1655_gapA_b1779	-0.7981396	0.9522557	-0.6217122	-1.7503953	1.5739679
1764285_s_at	tas /// tas	MG1655_b2834	-0.44453335	0.8770578	-0.16079283	-1.3215911	1.0378506
1764293_s_at	ECs3980 /// yqjD /// yqjD	MG1655_yqjD_b3098	-0.5419557	0.6132293	-0.3419547	-1.155185	0.955184
1764309_s_at	ECs2494 /// yeal /// yeal	EDL933_yeal_Z2825	0.7250831	-0.95118093	0.09530401	1.676264	-1.046485
1764311_s_at	ECs4911 /// rpoC /// rpoC	MG1655_rpoC_b3988	-0.7564359	0.36177015	0.18507004	-1.118206	0.17670012
1764316_s_at	ECs4288 /// yhhW /// yhhW	CFT073_yhhW_c4228	-1.9976864	-0.19761562	-2.01981	-1.8000708	1.8221943
1764328_s_at	ECs2615 /// tyrP /// tyrP	MG1655_tyrP_b1907	0.81760883	0.24655032	1.2562232	0.5710585	-1.0096729
1764424_at	ogrK	MG1655_ogrK_b2082	2.7432134	1.3868968	3.0415094	1.3563166	-1.6546125

1764443_s_at	ECs2896 /// gatB /// gatB	MG1655_gatB_b2093	-1.0810571	0.23268986	-1.584374	-1.3137469	1.8170638
1764516_s_at	c1303	CFT073_c1303	0.06567097	-1.2480099	-0.25846577	1.3136809	-0.98954415
1764534_s_at	ECs0268 /// phoE	MG1655_phoE_b0241	0.77809143	-0.56989384	0.17919111	1.3479853	-0.74908495
1764557_s_at	ECs1678 /// umuD /// umuD	MG1655_umuD_b1183	0.7441585	1.7106576	0.9184327	-0.9664991	0.7922249
1764593_s_at	rnhA /// rnhA	MG1655_rnhA_b0214	0.6771016	1.2204242	0.9906044	-0.54332256	0.22981977
1764599_s_at	ECs4761 /// udp	MG1655_udp_b3831	-1.2150092	0.8581643	-1.165946	-2.0731735	2.0241103
1764607_s_at	glpQ /// glpQ	MG1655_glpQ_b2239	-1.0445385	0.3051033	-1.1500311	-1.3496418	1.4551344
1764620_s_at		IG_2773043_2773939-f	0.15117836	-0.9625132	-0.29038668	1.1136916	-0.67212653
1764621_at	ECs5228 /// yjgJ	SAKAI_EC5228	0.17333913	-0.8603339	-0.45184207	1.033673	-0.40849185
1764625_s_at	ECs3655 /// ygdH /// ygdH	MG1655_ygdH_b2795	-1.0185444	0.42402124	-0.72012186	-1.4425657	1.1441431
1764637_s_at	engB /// yihA	MG1655_yihA_b3865	-0.24667764	0.98693347	0.36921573	-1.2336111	0.61771774
1764639_at	uvrA	MG1655_uvrA_b4058	-0.2953267	1.433948	0.522486	-1.7292747	0.91146207
1764642_s_at		IG_688237_688565-r	1.0903435	0.43007421	0.6305566	0.66026926	-0.20048237
1764659_s_at	ECs3117 /// nrdA /// nrdA	MG1655_nrdA_b2234	-0.47783613	0.79568076	0.5163791	-1.2735169	0.27930164
1764665_s_at	ECs3560 /// srlB /// srlB	MG1655_srlB_b2704	-1.0802941	0.7346053	-1.8616643	-1.8148994	2.5962696
1764677_s_at	ECs5278 /// fimG /// fimG /// fimG	MG1655_fimG_b4319	0.55496526	-0.939718	0.7011225	1.4946833	-1.6408405
1764682_s_at	ubiD /// yigC	MG1655_ubiD_b3843	-0.6643324	0.7487531	-0.004716873	-1.4130855	0.75346994
1764724_s_at	ECs0097 /// ftsQ /// ftsQ	MG1655_ftsQ_b0093	-0.31806254	0.8529067	0.34829473	-1.1709692	0.50461197

1764747_s_at	dhaK /// ECs1705 /// ycgT /// Z1971	MG1655_b1200	0.31565356	2.274492	0.8715122	-1.9588385	1.4029799
1764762_s_at	ECs2529 /// manZ /// manZ	MG1655_manZ_b1819	-1.5159678	0.1624198	-2.5070577	-1.6783876	2.6694775
1764768_s_at	ECs5289 /// kptA /// Z5930	EDL933_Z5930	0.7820692	-0.30060148	0.2944317	1.0826707	-0.59503317
1764772_s_at		IG_83709_84190-r	0.55621433	-0.5322099	-0.09352684	1.0884242	-0.43868303
1764785_at	cysP	CFT073_cysP_c2959	-0.8526821	-1.1146908	-0.9816661	0.26200867	-0.13302469
1764786_s_at	ECs2342 /// nth /// nth	MG1655_nth_b1633	0.24070692	-1.1141059	0.7956469	1.3548129	-1.9097528
1764813_s_at	ECs4245 /// pck /// pckA	MG1655_pckA_b3403	-0.77607346	0.756649	-0.6416116	-1.5327225	1.3982606
1764848_s_at		IG_1927732_1928057-r	0.34369993	2.283836	1.640635	-1.940136	0.6432009
1764857_s_at	ECs0620 /// ECs0621 /// hokE /// Z0721 /// Z0722	MG1655_hokE_b4415	0.3906026	-0.6982918	0.14841413	1.0888944	-0.8467059
1764871_s_at	clpB /// ECs3455	MG1655_clpB_b2592	-0.5692339	1.3013303	-0.124096155	-1.8705642	1.4254265
1764892_s_at	ECs4075 /// yrbG /// yrbG	MG1655_yrbG_b3196	-0.39368773	0.6159651	0.09580302	-1.0096529	0.5201621
1764904_s_at	ECs1042 /// sulA	MG1655_sulA_b0958	-0.41486263	2.8365345	1.8098321	-3.2513971	1.0267024
1764927_s_at	xerC /// xerC	MG1655_xerC_b3811	-0.48715615	0.5922165	0.24678135	-1.0793726	0.34543514
1764950_at	tdh	MG1655_tdh_b3616	-0.9260268	0.6489277	-0.62775517	-1.5749545	1.2766829
1764952_s_at	c3867 /// ECs3990 /// yhaM /// Z4462	MG1655_yhaM_b3108	-0.9276831	0.6208062	-0.78590035	-1.5484893	1.4067066
1764955_s_at		IG_2116427_2116701-r	0.89500093	1.026856	1.0399728	-0.13185501	-0.013116837
1764958_s_at	gatC /// gatC	MG1655_gatC_b2092	-0.6432152	0.5619626	-0.99324894	-1.2051778	1.5552115

1764960_at	ryfA	MG1655_ryfA_b4440	0.05192995	-1.136364	0.40259933	1.1882939	-1.5389633
1764978_at	yfjU	MG1655_b2638	1.1913195	0.47404575	0.3939681	0.7172737	0.08007765
1764994_s_at	agaB /// agaB /// ECs4018	MG1655_agaB_b3138	0.31132197	-0.7216456	-0.26042247	1.0329676	-0.46122313
1765001_at	ribD	MG1655_ribD_b0414	-0.5824907	0.60789204	-0.048254967	-1.1903827	0.656147
1765085_s_at		IG_2967000_2967683-f	0.11195898	-1.0749667	-0.37325358	1.1869256	-0.7017131
1765091_at	pfkA	CFT073_pfkA_c4867	-0.4456613	0.5858748	-0.20657992	-1.0315361	0.7924547
1765097_s_at	ECs0563 /// yIbG /// Z0656	MG1655_b0502	0.55298615	-0.5424278	0.1421988	1.0954139	-0.6846266
1765105_s_at	ECs5205 /// ytfQ /// ytfQ	MG1655_ytfQ_b4227	-1.3423862	-1.3330069	-1.7357001	-0.009379387	0.40269327
1765110_s_at	ECs5134 /// frdB /// frdB	MG1655_frdB_b4153	-1.593988	0.6577461	-1.8845842	-2.251734	2.5423303
1765123_at	srlA	CFT073_srlA_c3256	-0.9557142	0.25319576	-0.8873651	-1.20891	1.1405609
1765136_s_at	ECs4059 /// yhbY /// yhbY	MG1655_yhbY_b3180	-0.53742933	-0.6867361	0.34541893	0.14930677	-1.032155
1765142_s_at	uvrD /// uvrD	MG1655_uvrD_b3813	-0.53329706	1.253973	0.4973588	-1.7872701	0.7566142
1765151_s_at	rpsE /// rpsE	MG1655_rpsE_b3303	-0.34920788	0.6609583	0.5263753	-1.0101662	0.134583
1765166_s_at	c2371	CFT073_c2371	-1.088367	-1.4757376	-1.2377834	0.3873706	-0.23795414
1765177_s_at	Z0655	EDL933_Z0655	0.9607825	-0.3161459	0.43458033	1.2769284	-0.7507262
1765191_s_at	ECs0264 /// pepD	MG1655_pepD_b0237	-0.5627899	0.8054714	0.11020422	-1.3682613	0.6952672
1765192_s_at	ECs3099 /// mqo /// yojH	MG1655_b2210	0.149338	-0.5903032	0.8065851	0.7396412	-1.3968883
1765202_s_at	ECs0681 /// ybeL /// ybeL	MG1655_ybeL_b0643	-0.84183574	0.13849163	-0.91094494	-0.98032737	1.0494366
1765216_s_at	corA /// corA /// ECs4746	MG1655_corA_b3816	-0.15410185	0.8693192	0.28506684	-1.023421	0.58425236
1765223_s_at		IG_840755_841018-r	1.0493155	1.0348682	1.1467662	0.014447212	-0.111897945
1765224_s_at	yfiQ /// yfiQ	MG1655_yfiQ_b2584	-0.6812451	0.70219135	-1.5131629	-1.3834364	2.2153542

1765225_s_at	ECs3686 /// ptsP /// ptsP	MG1655_ptsP_b2829	-0.2756667	0.88240576	0.13672686	-1.1580725	0.7456789
1765230_s_at	ECs3774 /// gcvP /// gcvP	MG1655_gcvP_b2903	-1.7726524	0.62017393	-1.6144195	-2.3928263	2.2345934
1765240_s_at	ECs3705 /// yqeJ /// yqeJ	MG1655_yqeJ_b2848	0.9790859	1.2381039	0.8587656	-0.25901794	0.37933826
1765253_s_at	ECs5028 /// yjbJ /// yjbJ	MG1655_yjbJ_b4045	-0.7889643	0.96385956	0.6494913	-1.7528238	0.31436825
1765279_s_at	ECs2031 /// ydcH /// ydcH	MG1655_ydcH_b1426	1.1029148	0.93139744	0.8274245	0.17151737	0.10397291
1765283_at	yghJ	MG1655_b2974	-0.25474286	1.4951973	-0.053553104	-1.7499402	1.5487504
1765325_s_at		IG_3426400_3426656-r	-0.080132484	-0.8824539	0.7840347	0.80232143	-1.6664886
1765363_s_at	c1657 /// dhaL /// ECs1704 /// Z1970	MG1655_b1199	0.061084986	2.302179	0.45874715	-2.241094	1.843432
1765368_s_at		IG_854968_855185-r	1.3875864	1.074368	0.9080827	0.31321836	0.16628528
1765383_s_at	ECs2106 /// ydeP /// ydeP /// Z2207	MG1655_b1501	1.5188093	-0.25687099	1.5453424	1.7756803	-1.8022134
1765390_s_at	c1671 /// ECs1718 /// ychQ /// Z1984	MG1655_b1213	0.0625093	-0.27243042	0.82990575	0.33493972	-1.1023362
1765411_s_at	dmlA /// ECs2509 /// yeaU	MG1655_yeaU_b1800	0.40763998	-0.69528055	0.096087456	1.1029205	-0.791368
1765427_s_at	ECs3775 /// gcvH /// gcvH	MG1655_gcvH_b2904	-0.57794714	0.78417444	-0.89224815	-1.3621216	1.6764226
1765474_s_at	ECs1040 /// matP /// ycbG	MG1655_ycbG_b0956	-0.9414215	-0.8973398	-1.2136011	-0.044081688	0.3162613
1765480_s_at	ECs3058 /// psuK /// yeiC	MG1655_yeiC_b2166	0.42371082	-0.7941141	-0.005270481	1.2178249	-0.78884363
1765482_s_at		IG_3208185_3208421-r	-0.44665527	-1.3075776	-0.2243774	0.86092234	-1.0832002

1765501_s_at	murB /// murB	MG1655_murB_b3972	-0.6842053	0.7302463	-0.08308697	-1.4144516	0.8133333
1765516_s_at	ECs5149 /// hflX /// hflX	MG1655_hflX_b4173	-0.28876686	0.73176765	0.546855	-1.0205345	0.18491268
1765519_s_at	birA /// birA	MG1655_birA_b3973	-0.9526224	0.2410798	0.039536476	-1.1937022	0.20154333
1765539_s_at	pgk	MG1655_pgk_b2926	-1.489162	0.5173774	-1.1630802	-2.0065393	1.6804576
1765553_s_at	ECs3937 /// ygiF /// ygiF	MG1655_ygiF_b3054	-0.4031508	0.8419385	-0.19557762	-1.2450893	1.0375161
1765561_s_at	rplI /// rplI	MG1655_rplI_b4203	-1.0796881	-1.6529369	-0.36641026	0.57324886	-1.2865267
1765574_s_at	chpS /// chpS /// ECs5202	MG1655_chpS_b4224	-1.8104782	-1.3918757	-2.071209	-0.41860247	0.6793332
1765584_s_at	yehA /// yehA	MG1655_yehA_b2108	0.93419003	-0.13187599	0.13330221	1.066066	-0.2651782
1765588_s_at	cydB /// cydB /// cydB /// ECs0769	MG1655_cydB_b0734	-0.8510432	0.18089724	-0.8554354	-1.0319405	1.0363326
1765636_s_at	ECs0259 /// yafN /// yafN	MG1655_yafN_b0232	0.16901565	1.7131159	0.5415025	-1.5441003	1.1716135
1765684_at	nrdB	MG1655_nrdB_b2235	-0.8981285	0.20402837	0.33463264	-1.1021569	-0.13060427
1765694_s_at	ECs3335 /// yphH /// yphH	MG1655_yphH_b2473	-1.1110098	0.44989848	-0.7916441	-1.5609083	1.2415426
1765695_s_at	ECs2557 /// yebF /// yebF	MG1655_yebF_b1847	0.038877487	2.3960457	2.0635676	-2.3571682	0.33247805
1765698_s_at	c0463	CFT073_c0463	0.36047053	-0.692178	-0.24073124	1.0526485	-0.45144677
1765704_s_at	pfkA /// pfkA	MG1655_pfkA_b3916	-0.7507715	0.45721054	-0.47116804	-1.2079821	0.9283786
1765738_s_at	c4780 /// ECs4762 /// rmuC /// yigN	CFT073_c4780	0.032717466	1.3785441	0.34925818	-1.3458266	1.0292859
1765788_s_at		IG_2050037_2050297-f	0.63707376	-0.81605935	-0.07083988	1.4531331	-0.74521947
1765831_s_at		IG_59280_59686-f	1.5221381	1.4510708	0.9157152	0.07106733	0.53535557
1765911_s_at		IG_2783994_2784416-f	0.09015107	-1.0203028	-0.9126568	1.1104538	-0.10764599
1765931_at	c5075	CFT073_c5075	0.63147974	-0.48649406	1.1428037	1.1179738	-1.6292977
1765939_s_at	rlmE /// rrmJ	MG1655_b3179	-0.29421377	1.0016003	0.032775402	-1.295814	0.96882486

1765942_s_at	ECs0003 /// thrB	MG1655_thrB_b0003	-0.70786595	0.7061286	-0.4446292	-1.4139946	1.1507578
1765954_s_at	insH /// wbbL	MG1655_trs5_1_b0259	-0.6185436	0.69934034	-0.3044281	-1.317884	1.0037684
1765965_s_at	cpdA /// ECs3920 /// icc	MG1655_b3032	-0.49964714	0.772172	-0.20100307	-1.2718191	0.97317505
1765968_s_at	ECs3077 /// rplY /// rplY	MG1655_rplY_b2185	0.2703147	-0.16299772	0.9269738	0.43331242	-1.0899715
1766000_s_at	nuoG /// nuoG	MG1655_nuoG_b2283	-0.45538902	0.58134484	0.16289544	-1.0367339	0.4184494
1766002_at	ykgA	MG1655_ykgA_b0300	0.4426546	-0.818496	-0.2767129	1.2611506	-0.5417831
1766009_s_at	ECs3343 /// hyfA /// hyfA	MG1655_hyfA_b2481	0.5665901	-0.6672089	0.20125413	1.233799	-0.86846304
1766034_s_at	ECs4259 /// malP	CFT073_malP_c4194	-0.54584265	1.184963	-0.6025827	-1.7308056	1.7875457
1766039_s_at		IG_1785137_1785468-f	0.28193116	-0.85523796	0.014267683	1.1371691	-0.86950564
1766054_s_at		IG_2885243_2885600-r	0.48869133	-0.71874714	0.19508457	1.2074385	-0.9138317
1766061_s_at	ECs3163 /// nuoK /// nuoK	MG1655_nuoK_b2279	-0.47653294	0.53124475	-0.1933651	-1.0077777	0.72460985
1766109_s_at	hemC /// hemC	MG1655_hemC_b3805	-0.4335022	0.8086014	0.0794096	-1.2421036	0.7291918
1766153_s_at	gmhA /// lpcA	MG1655_b0222	-0.52683735	0.50180244	-0.25199842	-1.0286398	0.75380087
1766157_s_at	rrsA /// rrsA /// rrsB /// rrsB /// rrsC /// rrsC /// rrsD /// rrsD /// rrsE /// rrsE /// rrsG /// rrsG	MG1655_rrsG_b2591	0.65082836	1.2285781	0.87652445	-0.5777497	0.35205364
1766159_s_at		IG_1642368_1642674-f	0.7041311	-0.3467419	0.107069254	1.050873	-0.45381117
1766163_s_at	argP /// ECs3786 /// iciA	MG1655_iciA_b2916	-1.344729	-0.37824297	-0.95485115	-0.966486	0.5766082

1766173_s_at		IG_623734_624107-f	-0.6836755	-1.1834514	-0.7231152	0.4997759	-0.4603362
1766190_s_at	glgC	MG1655_glgC_b3430	-0.47779584	1.3764386	-0.53593993	-1.8542345	1.9123785
1766231_at	polB	MG1655_polB_b0060	-0.45835376	1.5205808	0.4218707	-1.9789345	1.0987101
1766284_s_at	c0552	CFT073_c0552	-0.88503337	-1.0128205	-1.0265815	0.12778711	0.013761044
1766288_s_at	dapF	EDL933_dapF_Z5326	-0.3485813	1.007885	0.21982288	-1.3564663	0.7880621
1766320_s_at	ECs3880 /// hybB /// hybB	MG1655_hybB_b2995	-0.22650075	0.81935644	-0.07771993	-1.0458572	0.89707637
1766322_at		CFT073_c1111	-0.69960546	-2.2057889	-0.6221061	1.5061834	-1.5836828
1766325_s_at	ECs3885 /// gpr /// yghZ /// Z4354	MG1655_b3001	-0.5036669	0.488904	-0.7876551	-0.9925709	1.2765591
1766329_at	ycfZ	MG1655_ycfZ_b1121	0.6003525	-0.67197466	0.09189749	1.2723272	-0.76387215
1766357_at	cueR	MG1655_b0487	-0.61412096	0.929327	-0.2747712	-1.543448	1.2040982
1766363_s_at	ECs4063 /// yhbE /// yhbE /// yhbE	MG1655_yhbE_b3184	0.28727674	-0.7325611	0.43516493	1.0198379	-1.167726
1766372_s_at	ECs3709 /// ygeH /// ygeH	MG1655_ygeH_b2852	0.8438134	-0.75060153	0.032490253	1.594415	-0.7830918
1766398_s_at	glk	MG1655_glk_b2388	-0.93697166	0.22009039	-1.078793	-1.157062	1.2988834
1766411_s_at	ECs0099 /// ftsZ /// ftsZ	MG1655_ftsZ_b0095	-0.15161753	0.95534277	0.2161107	-1.1069603	0.73923206
1766480_s_at	ECs3257 /// yfdY /// yfdY /// Z3642	MG1655_b2377	-0.5933838	0.62884426	-0.6031909	-1.222228	1.2320352
1766518_s_at	acpD /// azoR	MG1655_acpD_b1412	-3.6607864	-0.29437113	-3.2753792	-3.3664153	2.981008
1766527_s_at	ECs2695 /// yodC /// yodC /// Z3048	MG1655_b1957	-0.1236577	-0.6622114	0.47536373	0.5385537	-1.1375751
1766539_s_at		IG_2989782_2990115-r	0.63466144	-0.6820233	-0.19696164	1.3166847	-0.48506165
1766545_s_at		IG_3693815_3694086-f	1.6616216	1.3806758	1.0913897	0.28094578	0.28928614



1766576_s_at	ECs0785 /// galK	MG1655_galK_b0757	-0.28234696	0.24312806	-0.77524614	-0.525475	1.0183742
1766581_s_at	c2666	CFT073_c2666	0.4661243	-1.2101471	0.21890378	1.6762714	-1.4290509
1766584_s_at	pgaB /// pgaB	MG1655_ycdR_b1023	0.54849815	-0.71188617	-0.006942034	1.2603843	-0.70494413
1766637_s_at	c0590	CFT073_c0590	-1.4509544	-1.8165398	-1.3881049	0.36558533	-0.42843485
1766684_s_at		IG_262171_262551-f	-0.23400378	1.0102501	0.3948264	-1.2442539	0.6154237
1766686_s_at	dinF /// ECs5027	MG1655_dinF_b4044	-0.1499021	1.6275334	1.2666817	-1.7774355	0.36085176
1766708_s_at	c2681	CFT073_c2681	-0.53663015	0.32256556	-1.0659986	-0.8591957	1.3885641
1766714_s_at	yehE /// yehE	MG1655_yehE_b2112	0.32443666	-0.7222395	0.052584648	1.0466762	-0.77482414
1766738_s_at	livK /// livK	MG1655_livK_b3458	0.25987625	-0.9650347	-0.3369403	1.224911	-0.62809443
1766745_s_at	ecnB /// ECs5586	MG1655_ecnB_b4411	-1.0103717	-0.5657773	-0.20262337	-0.44459438	-0.36315393
1766761_s_at	ECs3798 /// epd /// epd	MG1655_epd_b2927	-0.63163614	1.1480937	-0.4848237	-1.7797298	1.6329174
1766764_s_at	ECs0123 /// yacL /// yacL	MG1655_yacL_b0119	-0.5417414	0.5021682	0.058971882	-1.0439095	0.4431963
1766793_s_at	ECs4885 /// ppc	MG1655_ppc_b3956	-0.3639989	1.1214452	-0.050756216	-1.4854441	1.1722014
1766804_s_at	glpK	MG1655_glpK_b3926	-1.3624387	0.24240017	-1.5057654	-1.6048388	1.7481656
1766832_s_at	cutA /// cutA /// ECs5118	MG1655_cutA_b4137	-0.21752119	0.89476156	0.10788584	-1.1122828	0.7868757
1766869_s_at	c2835 /// ECs3178 /// yfbU /// Z3555	MG1655_b2294	-0.39388728	0.656091	-0.56831074	-1.0499783	1.2244017
1766900_s_at	rpsU /// rpsU	MG1655_rpsU_b3065	-0.37105465	-1.216599	0.2518959	0.84554434	-1.4684949
1766924_s_at	ECs3050 /// yeiH /// yeiH	MG1655_yeiH_b2158	2.13885	0.112550974	2.7745821	2.026299	-2.6620312
1766935_s_at	basR /// basR /// ECs5095	MG1655_basR_b4113	0.09298658	1.050065	0.16241884	-0.95707846	0.8876462
1766949_s_at	hslV /// hslV	MG1655_hslV_b3932	-0.032605648	1.6813533	0.3031361	-1.713959	1.3782172

1766964_s_at	pntA /// pntA	MG1655_pntA_b1603	-1.1299491	0.16326475	-0.8986745	-1.2932138	1.0619392
1766971_s_at	rihA	MG1655_b0651	-0.6496439	-0.3549776	-1.0584395	-0.2946663	0.7034619
1766976_s_at	ECs4415 /// yhjR /// yhjR	MG1655_yhjR_b3535	0.4773667	1.0264804	0.49783134	-0.54911375	0.5286491
1766980_s_at	flii	MG1655_flii_b1941	0.29360628	-0.7106209	0.17958641	1.0042272	-0.8902073
1767010_s_at	c2149	CFT073_c2149	0.7795892	-0.8495352	-0.4244089	1.6291244	-0.4251263
1767042_s_at	c2911 /// ECs3255 /// yfdX /// Z3640	MG1655_b2375	3.3044033	-0.358032	3.4579616	3.6624353	-3.8159935
1767050_s_at		IG_83709_84190-f	1.1195245	-0.01855278	0.4120531	1.1380773	-0.4306059
1767068_s_at	ECs3127 /// glpB /// glpB	MG1655_glpB_b2242	-1.3288195	0.18513155	-1.7830958	-1.5139511	1.9682274
1767098_s_at	ECs5273 /// fimA	MG1655_fimA_b4314	0.12267399	-1.2045746	0.35044432	1.3272486	-1.5550189
1767124_s_at	ECs3881 /// hybA /// hybA	MG1655_hybA_b2996	-0.7014098	0.57838917	-0.79795456	-1.279799	1.3763437
1767134_s_at	ECs3587 /// fhIA /// fhIA	MG1655_fhIA_b2731	0.96635246	-0.5676546	0.33372927	1.5340071	-0.9013839
1767137_s_at	ECs5433 /// ydaE	SAKAI_EC5433	0.08462238	1.3575034	0.23268509	-1.272881	1.1248183
1767164_s_at	aroH /// aroH /// ECs2411	MG1655_aroH_b1704	0.16797996	-0.70326877	0.39526892	0.8712487	-1.0985377
1767173_s_at	c2347 /// nmpC /// nmpC	CFT073_c2347	-1.7118709	0.35569334	-1.5958145	-2.0675642	1.9515078
1767179_s_at	ECs0265 /// gpt /// gpt	MG1655_gpt_b0238	-0.25692105	-0.1370151	0.94527483	-0.11990595	-1.0822899
1767192_s_at	ECs3657 /// sdaB /// sdaB /// sdaB	MG1655_sdaB_b2797	-1.5224097	-0.05735421	-0.9956355	-1.4650555	0.9382813
1767196_at	fecB	MG1655_fecB_b4290	-2.1975098	-0.22147107	-1.7407043	-1.9760387	1.5192332
1767203_s_at		IG_2009102_2009369-f	-0.17880845	-1.213566	-0.35746408	1.0347575	-0.8561019

1767207_s_at	c1041 /// ECs0986 /// pflB /// pflB	EDL933_pflB_Z1248	-0.789263	1.3459558	-0.8155427	-2.1352189	2.1614985
1767216_s_at		IG_1390915_1391229-r	1.3527257	2.3208745	1.4036591	-0.9681487	0.91721535
1767238_s_at	adhE /// adhE /// ECs1741	MG1655_adhE_b1241	-2.1108742	0.6190939	-2.5617456	-2.729968	3.1808395
1767263_s_at	eno /// eno	MG1655_eno_b2779	-0.38672924	0.7574067	-0.19205332	-1.144136	0.94946
1767281_s_at	ECs0241 /// ECs0602 /// ECs0731 /// ybfL /// ydcC /// yhhI /// Z0271 /// Z0700 /// Z0857 /// Z2253	EDL933_Z2253	0.23426008	-1.1667275	-0.5158777	1.4009876	-0.6508498
1767285_s_at	ECs2811 /// sbmC	MG1655_sbmC_b2009	0.0723629	2.233861	1.2516356	-2.161498	0.9822254
1767314_s_at	c4243	CFT073_c4243	-0.70038915	-2.0961852	-0.6696062	1.3957961	-1.426579
1767347_s_at	cpxA /// cpxA	MG1655_cpxA_b3911	-0.5351269	0.5362549	-0.05288267	-1.0713818	0.58913755
1767377_s_at	rplS /// rplS	MG1655_rplS_b2606	-0.77874136	-0.99666643	0.17972946	0.21792507	-1.1763959
1767380_s_at	cho /// ydjQ	MG1655_b1741	0.38930225	1.2032166	0.9790802	-0.8139143	0.22413635
1767434_s_at	ECs3188 /// yfcH /// yfcH /// Z3566	MG1655_b2304	-0.58656836	0.4141779	-0.078454494	-1.0007463	0.4926324
1767454_at		MG1655_b1146	1.0678668	0.69355583	0.9166331	0.37431097	-0.2230773
1767469_s_at	c2587 /// ECs2866 /// wzb /// wzb	CFT073_c2587	1.60887	0.9274955	1.1114388	0.68137455	-0.18394327
1767475_s_at	ECs3250 /// yfdE /// yfdE	MG1655_yfdE_b2371	0.88106203	-0.61101913	0.8318293	1.4920812	-1.4428484
1767485_at	ybhK	MG1655_ybhK_b0780	0.41617084	-0.3438177	0.710407	0.75998855	-1.0542247

1767497_s_at		IG_892657_893006-f	1.8428016	1.7815218	1.5791736	0.061279774	0.20234823
1767508_s_at	ECs2523 /// sdaA /// sdaA	MG1655_sdaA_b1814	-0.8072436	0.616421	-0.29419875	-1.4236646	0.91061974
1767509_s_at	hemE	MG1655_hemE_b3997	-1.0346026	0.36620808	-0.4483354	-1.4008107	0.8145435
1767510_s_at	nhaA /// nhaA	MG1655_nhaA_b0019	-0.5523515	0.9162526	-0.22750568	-1.4686041	1.1437583
1767530_s_at		IG_2111084_2111455-f	-0.8274944	-1.5228655	-0.9224174	0.69537115	-0.60044813
1767538_at	intK	MG1655_b1567	1.1455538	0.5014579	0.4907241	0.6440959	0.010733843
1767557_s_at	ECs5277 /// fimF /// fimF /// fimF	MG1655_fimF_b4318	0.26502895	-1.6095386	0.45269966	1.8745675	-2.0622382
1767559_s_at	recA /// recA	MG1655_recA_b2699	-0.5198345	2.9251847	1.7411327	-3.4450192	1.184052
1767574_s_at	dksA /// dksA	MG1655_dksA_b0145	-1.2455583	-0.75484467	-0.8908458	-0.4907136	0.13600111
1767623_s_at	lon	MG1655_lon_b0439	-0.42507792	0.77471495	-0.44421673	-1.1997929	1.2189317
1767628_at	ygfF	MG1655_ygfF_b2902	-0.8678446	0.38337398	-0.83551407	-1.2512186	1.218888
1767636_s_at	ECs5135 /// frdA /// frdA	MG1655_frdA_b4154	-0.93308663	1.1849804	-1.0726087	-2.118067	2.257589
1767637_s_at	caiF /// caiF /// ECs0037 /// Z0040	MG1655_caiF_b0034	-0.14735603	0.91898966	-0.03358507	-1.0663457	0.95257473
1767659_s_at	ECs3785 /// rpiA /// rpiA	MG1655_rpiA_b2914	-0.9694886	0.09399223	-0.55764055	-1.0634809	0.6516328
1767669_s_at	glnE /// glnE	MG1655_glnE_b3053	-0.5677886	0.5582533	-0.39324212	-1.1260419	0.9514954
1767671_s_at		IG_17007_17488-r	0.96744347	1.2332115	0.6780772	-0.26576805	0.5551343
1767680_at	gcvB	MG1655_gcvB_b4443	-1.0038381	-0.38298798	-0.7388258	-0.6208501	0.35583782
1767701_s_at	asr /// asr /// ECs2303	MG1655_asr_b1597	3.2537346	-0.7123585	2.8642073	3.966093	-3.5765657
1767727_s_at		IG_668152_668518-f	1.1646223	1.23737	0.6930237	-0.07274771	0.54434633
1767735_s_at		IG_2087763_2088017-r	1.2253363	1.080488	0.37337756	0.14484835	0.7071104
1767791_s_at	malT /// malT	CFT073_malT_c4196	-1.0195837	1.132026	-1.0998924	-2.1516097	2.2319183

1767816_s_at	ECs4149 /// yrdD /// yrdD /// yrdD	SAKAI_EC4149	-0.001075268	0.58977604	-0.49527168	-0.5908513	1.0850477
1767825_s_at	ompX	MG1655_ompX_b0814	0.47981358	-0.13425732	1.0896626	0.6140709	-1.2239199
1767828_s_at		IG_3650829_3651557-f	0.90843177	-0.3453226	0.24331617	1.2537544	-0.5886388
1767841_s_at	ECs3995 /// tdcD /// tdcD	MG1655_tdcD_b3115	-0.5951097	1.0836122	-1.3212895	-1.6787219	2.4049017
1767862_s_at		IG_1694096_1694485-r	0.9867861	-0.3011372	0.31036162	1.2879233	-0.61149883
1767932_s_at	ECs2894 /// gatD /// gatD	MG1655_gatD_b2091	-0.58483505	1.1342688	-0.5659785	-1.7191038	1.7002473
1767981_s_at	ECs1012 /// ompF /// ompF	MG1655_ompF_b0929	-1.5307555	-0.0566597	-1.597084	-1.4740958	1.5404243
1767985_at	elfG	MG1655_b0941	0.3199122	-0.77260804	0.037523508	1.0925202	-0.81013155
1768008_at	panB	MG1655_panB_b0134	-0.48659658	1.0467253	-0.10356712	-1.5333219	1.1502924
1768015_s_at	ECs2564 /// pykA /// pykA	MG1655_pykA_b1854	-0.8517964	0.6180301	-1.042408	-1.4698265	1.6604381
1768018_s_at	c4078	CFT073_c4078	-1.114263	-0.35224724	-0.5448313	-0.7620158	0.19258404
1768025_s_at	alaS /// alaS	MG1655_alaS_b2697	-0.5740242	0.6794915	0.14510727	-1.2535157	0.53438425
1768050_s_at	ubiF /// ubiF	MG1655_b0662	-0.7902243	0.44821405	-0.39242673	-1.2384384	0.8406408
1768065_s_at	potB /// potB	MG1655_potB_b1125	0.10145235	-0.55437684	0.79747486	0.6558292	-1.3518517
1768105_s_at		IG_1529601_1529839-f	0.81786466	-0.6854756	-0.40729642	1.5033402	-0.27817917
1768118_s_at	ECs4740 /// yigA /// yigA	MG1655_yigA_b3810	-0.43901634	0.75303745	0.30933905	-1.1920538	0.4436984
1768125_s_at	arpB /// c2119 /// ECs2427 /// Z2749	CFT073_c2119	0.5611539	-1.2852914	-0.33850765	1.8464453	-0.9467838
1768160_s_at	ECs5220 /// yjfF	MG1655_yjfF_b4243	-1.0093923	-0.09098625	-0.54009867	-0.918406	0.44911242
1768175_s_at	c1153	CFT073_c1153	0.070026636	-0.93183637	-0.5263257	1.001863	-0.40551066
1768187_at	gpmM	MG1655_yibO_b3612	0.06931996	1.5473573	-0.15991414	-1.4780374	1.7072715

1768209_s_at	eco /// eco /// ECs3098	MG1655_eco_b2209	-0.8899579	-0.42501116	-1.0078878	-0.46494675	0.5828767
1768238_s_at		IG_3267244_3267856-r	0.7136159	-1.0010841	-0.17171335	1.7147	-0.82937074
1768255_s_at	c3873 /// ECs3995 /// tdcD /// tdcD	CFT073_c3873	-0.7971792	0.1430955	-1.3162756	-0.9402747	1.4593711
1768329_s_at		IG_1948547_1948822-f	0.14256454	-0.984787	-0.2797935	1.1273515	-0.7049935
1768336_s_at	c1740	CFT073_c1740	-0.5032761	-1.5536397	-0.61147976	1.0503635	-0.9421599
1768351_s_at		IG_1581984_1582230-r	1.3134367	0.17535496	1.3054397	1.1380818	-1.1300848
1768357_s_at		IG_3476135_3476438-f	1.4632158	0.43257236	0.8935952	1.0306435	-0.46102285
1768362_s_at	ECs2104 /// ydeO /// ydeO /// Z2209	MG1655_b1499	2.4211764	-0.48415947	2.465159	2.905336	-2.9493184
1768365_s_at	ECs5140 /// rsgA /// yjeQ	MG1655_yjeQ_b4161	-0.63818717	0.5009651	0.075222015	-1.1391523	0.4257431
1768381_s_at	ECs1446 /// mviM /// yceM	MG1655_mviM_b1068	-0.7935066	0.6873059	-0.5467036	-1.4808125	1.2340095
1768442_s_at	zntA /// zntA	MG1655_zntA_b3469	0.58260155	0.06884575	1.0657845	0.5137558	-0.9969387
1768450_s_at		IG_1956157_1956543-f	-0.02897644	-1.0712309	-0.48002315	1.0422544	-0.59120774
1768454_s_at	tldD /// tldD	MG1655_tldD_b3244	-0.76987934	0.7780757	-0.019275904	-1.547955	0.7973516
1768468_s_at	ECs4757 /// yigM /// yigM /// yigM	MG1655_yigM_b3827	0.45967865	-0.07805824	1.0845273	0.5377369	-1.1625855
1768480_s_at	ECs5129 /// sugE /// sugE	MG1655_sugE_b4148	-0.40140533	0.7761798	2.50E-04	-1.1775851	0.77592945
1768483_at	gnd	MG1655_gnd_b2029	-0.6512275	0.8096075	-0.40864754	-1.460835	1.218255
1768492_s_at	ECs5238 /// lptF /// yjgP	MG1655_yjgP_b4261	-0.37375855	0.779773	0.24792314	-1.1535316	0.53184986
1768512_s_at	ECs2697 /// yedA /// yedA	MG1655_yedA_b1959	0.2483275	-0.39706945	0.6573036	0.64539695	-1.054373
1768523_s_at	nrdB /// nrdB	CFT073_nrdB_c2777	-0.7430818	0.31608367	0.23292565	-1.0591655	0.083158016

1768532_s_at	ECs5216 /// treC /// treC	MG1655_treC_b4239	-2.0904129	0.8231778	-1.8622992	-2.9135907	2.685477
1768560_s_at		IG_3183982_3184202-f	1.4775927	1.0945022	0.82795525	0.3830905	0.26654696
1768646_s_at		IG_2302414_2303127-r	-0.009161949	-1.4218197	0.45289612	1.4126577	-1.8747158
1768650_s_at	gntK /// gntK	MG1655_gntK_b3437	1.104557	0.69242096	0.7646222	0.41213608	-0.07220125
1768658_s_at	c0824	IG_779613_779776-r	-0.48414683	-1.2731037	-0.022813082	0.7889569	-1.2502906
1768667_s_at	ECs4360 /// yhil /// yhil	MG1655_yhil_b3487	-0.19656658	0.96144676	0.2623701	-1.1580133	0.69907665
1768684_s_at	ECs2527 /// manX /// manX	MG1655_manX_b1817	-0.9848168	0.82311964	-1.7591007	-1.8079364	2.5822203
1768687_at	yiiX	MG1655_yiiX_b3937	-0.38124847	-0.9991107	0.114377975	0.6178622	-1.1134887
1768694_s_at	allB /// ybbX /// Z0667	EDL933_Z0667	0.30782008	-1.1451352	-0.418962	1.4529552	-0.72617316
1768711_s_at	ECs4077 /// kdsC /// yrbl	MG1655_yrbl_b3198	-0.24883962	0.89436626	0.415102	-1.1432059	0.47926426
1768746_s_at	metN /// metN	MG1655_metN_b0199	0.69522977	0.35824037	1.007401	0.3369894	-0.6491606
1768755_s_at	ECs5007 /// lysC /// lysC	MG1655_lysC_b4024	0.6942239	0.33270502	1.0758169	0.36151886	-0.74311185
1768775_s_at	ECs4693 /// rbsB /// rbsB	MG1655_rbsB_b3751	-1.1798353	-0.18101358	-1.4561954	-0.99882174	1.2751818
1768787_s_at	rspB /// rspB	MG1655_rspB_b1580	0.13476825	-1.0497234	-0.004837513	1.1844916	-1.0448859
1768790_s_at	ECs3660 /// fucA /// fucA	MG1655_fucA_b2800	1.1235378	-0.2783661	0.044481516	1.4019039	-0.3228476
1768799_s_at		IG_2491275_2491786-r	1.4229412	-1.309988	1.5987635	2.7329292	-2.9087515
1768801_at	c4942	CFT073_c4942	-1.0992262	-1.1331806	-0.90550995	0.033954382	-0.22767067
1768824_at	fecC	MG1655_fecC_b4289	-1.3688846	-0.3675816	-1.3354585	-1.001303	0.9678769
1768829_s_at	c2612	IG_2165052_2165133-r	0.9183049	0.25870442	1.2035291	0.6596005	-0.9448247
1768843_s_at	ECs3665 /// fucR /// fucR	MG1655_fucR_b2805	-0.37026095	0.78647137	-0.25595713	-1.1567323	1.0424285

1768844_s_at	adhP /// adhP /// ECs2082	CFT073_adhP_c1911	0.20058107	-0.4361279	0.7807863	0.636709	-1.2169142
1768845_s_at		IG_1229624_1229989-r	1.3033369	0.45188785	1.1434414	0.851449	-0.6915536
1768848_s_at	ECs1617 /// ninE	MG1655_ninE_b0548	1.2609282	-0.6371093	0.02771616	1.8980374	-0.66482544
1768849_s_at	ECs2101 /// yddA /// yddA /// yddA	MG1655_yddA_b1496	0.6074202	-0.4057436	-0.14416385	1.0131638	-0.26157975
1768852_s_at	ECs4006 /// garD /// yhaG /// yhaG	MG1655_garD_b3128	-0.33108497	0.44937515	-0.5611708	-0.7804601	1.010546
1768884_s_at	recX /// recX	MG1655_oraA_b2698	0.017199755	2.0750127	2.025828	-2.057813	0.0491848
1768903_s_at	ECs4762 /// rmuC /// yigN	MG1655_yigN_b3832	0.13196087	1.9092188	0.8732755	-1.7772579	1.0359433
1768944_s_at	ECs2506 /// yeaR /// yeaR	MG1655_yeaR_b1797	0.5820906	-0.5630357	-0.1230135	1.1451263	-0.44002223
1768984_s_at	nrdR /// nrdR	MG1655_ybaD_b0413	-0.31285405	0.9637158	0.05899453	-1.2765698	0.90472126
1768988_s_at	ECs5226 /// yjgl /// yjgl	MG1655_yjgl_b4249	0.5805521	-0.48193073	0.24602938	1.0624828	-0.7279601
1769008_s_at		IG_2786671_2786900-f	0.28807402	-0.9660628	-0.2210753	1.2541368	-0.7449875
1769013_s_at	ECs0978 /// serS /// serS	MG1655_serS_b0893	-0.70053077	0.7209139	-0.15291071	-1.4214447	0.8738246
1769018_s_at	cyoA /// ECs0486	MG1655_cyoA_b0432	0.4582882	0.6514888	1.2223773	-0.19320059	-0.5708885
1769025_s_at	pgaA /// pgaA	MG1655_ycdS_b1024	-0.75165653	0.20987916	-0.9304626	-0.9615357	1.1403418
1769034_s_at		IG_1431699_1432014-f	0.4505186	-0.81749344	0.023283958	1.268012	-0.8407774
1769056_s_at	ECs1717 /// hemK /// prmC	MG1655_hemK_b1212	0.08985829	-0.26014924	0.7797966	0.35000753	-1.0399458
1769064_s_at	ECs1445 /// yceH /// yceH	MG1655_yceH_b1067	-0.86335254	0.032411337	-1.4642572	-0.8957639	1.4966686
1769070_s_at	dxs /// dxs	MG1655_dxs_b0420	-0.50284886	0.6116588	-0.10558319	-1.1145077	0.717242



1769075_s_at		IG_2050037_2050297-r	0.4736209	-0.63299155	-0.20798445	1.1066124	-0.4250071
1769077_s_at	ECs3544 /// ygaZ /// ygaZ /// Z3983	MG1655_b2682	0.32625008	1.0741377	0.69375134	-0.7478876	0.38038635
1769110_s_at	c4069	CFT073_c4069	-1.0252199	-0.69672346	-0.3822751	-0.32849646	-0.31444836
1769120_s_at	csgC /// csgC	MG1655_csgC_b1043	0.5130122	-1.5129819	-0.4299152	2.025994	-1.0830667
1769150_s_at	ECs3770 /// ygfZ /// ygfZ	MG1655_ygfZ_b2898	-0.5285988	0.9369097	-0.09757185	-1.4655085	1.0344815
1769152_s_at	ECs3547 /// emrA /// emrA /// emrA	MG1655_emrA_b2685	0.71049094	0.3055265	1.0408037	0.40496445	-0.7352772
1769161_s_at		IG_1584511_1584843-f	1.2077191	0.46074486	0.837811	0.74697423	-0.37706614
1769169_s_at	ECs5313 /// yjiY /// yjiY /// yjiY	MG1655_yjiY_b4354	-2.7824159	-0.6441908	-2.9805074	-2.138225	2.3363166
1769181_at	yplI	MG1655_b2376	2.48388	0.66707635	2.573624	1.8168037	-1.9065475
1769204_at	malT	MG1655_malT_b3418	-1.200506	0.6431546	-1.2544053	-1.8436606	1.8975599
1769230_s_at		IG_1278572_1279086-r	0.9358854	1.4272926	1.1239934	-0.49140716	0.3032992
1769243_s_at	def	MG1655_def_b3287	-0.09411144	0.91984224	0.51243305	-1.0139537	0.4074092
1769254_s_at	ECs2457 /// ydjY /// ydjY	MG1655_ydjY_b1751	-0.13677907	-1.0420732	-0.029061079	0.9052942	-1.0130122
1769258_s_at	ubiE /// ubiE	MG1655_ubiE_b3833	-0.36374664	1.6420827	0.37380075	-2.0058293	1.2682819
1769269_at		MG1655_b2084	2.2519512	1.13E-04	1.872818	2.2518377	-1.8727045
1769284_s_at	srIE /// srIE /// srIE_2	EDL933_srIE_2_Z4009	-0.68677783	1.9857013	-1.2015634	-2.6724792	3.1872647