



Systematic	Stat.	Loc	30'	120'	360'	COL	N315	MRS0A	MSSA	Mu50	MW2	GENE NAME	Protein Function	TIGR Main Role	TIGR Sub Role	Fold change vs stationary phase			
																LB	30' in vivo	120' in vivo	360' in vivo
WANO14HML_at	2.9	0.9	0.7	0.9	0.9	SA1881	SA1638	SAS1749	SAS1820	MW1768	lukS	synergohemolytic toxin lukS	Cellular processes	Toxin production and resistance	-3.45	-4.19	-3.39	-3.39	
WANO14P8_x_at	3.3	1.4	1.0	1.2	2.8	SA1751					mmpW_2	truncated cell surface protein mmp-w	Cellular processes	Toxin production and resistance	-2.45	-3.29	-2.82	-1.19	
WANO14HLQ_at	3.3	0.9	1.1	0.5	0.8	SA1871	SA1634				epiG	epidemic immunity protein F	Cellular processes	Toxin production and resistance	1.52	0.85	-3.08	-6.79	
WANO14L19_at	1.7	1.2	0.6	0.9	1.0	SA2317		SAS1739	SAV2529	MW1758	epiG	N-acetyltransferase	Cellular processes	Toxin production and resistance	-1.41	-2.77	-1.95	-1.68	
WANO14G2X_at	6.5	8.1	2.5	2.4	1.6	SA1988	SA1739	SAR2017	SAS1849	SAV1925	MW1866	acyl-coenzyme A-6-aminopenicillanic acid acyl-transferase	Cellular processes	Toxin production and resistance	1.23	-2.63	-2.72	-4.02	
WANO14Z2D_at	13.3	15.8	5.2	4.0	4.3	SA2151	SA1865	SAR2252	SAS2063	SAV2161	MW2088	femD protein, phosphoglycosaminic mutase	Cellular processes	Toxin production and resistance	1.19	-2.54	-3.35	-3.06	
WANO14G3V_at	18.2	13.0	7.2	6.7	6.8	SA0612	SA0523	SAR0569	SAS0503	SAV0505	MW0520	glycosyl transferase, group 1	Cellular processes	Toxin production and resistance	1.40	-2.53	-2.72	-2.63	
WANO14H3O_at	2.4	2.8	1.0	0.9	1.0	SA0611	SA0522	SAR0568	SAS0522	SAV0564	MW0519	glycosyl transferase, group 1	Cellular processes	Toxin production and resistance	1.16	-2.50	-2.65		
WANO14A82-see2	12.6	12.0	5.4	5.2	8.6	SA0164	SA0173	SAR0180	SA0154	SAV0179	MW0153	gramicidin S synthetase 2	Cellular processes	Toxin production and resistance	-1.05	-2.33	-2.44	-1.47	
WANO14G8T_at	8.7	5.3	4.0	4.6	7.5	SA2059	SA2400	SAR2726	SAS2533	SAV2647	MW2568	conserved hypothetical protein	Cellular processes	Toxin production and resistance	-1.53	-2.18	-3.31	-3.07	
WANO14GVE_at	3.4	3.6	1.6	1.3	1.3	SA1184	SA1016	SAR1147	SAS1106	SAV1173	MW1054	exfoliatin toxin A	Cellular processes	Toxin production and resistance	1.06	-2.13	-2.58	-2.68	
WANO14IUC_at	1.6	1.4	0.7	0.6	1.6	SA2004	SA1812	SAR2242	SAS2055	SAV2154	MW2280	lukF leukocidin precursor, F subunit, putative	Cellular processes	Toxin production and resistance	-1.11	-2.13	-2.44	1.02	
WANO14I2A_at	30.7	15.9	4.1	3.6	5.0	SA2445	SA1999	SAR2242	SAS2055	SAV2154	MW2280	glucosamine-fructose-6-phosphate aminotransferase (isomerizing)	Central intermediary metabolism	Amino sugars	-1.93	-7.57	-8.58	-6.12	
WANO14H4F_at	57.4	6.8	14.6	10.2	10.1	SA1812	SA1871	SAR1945	SAS1777	SAV1854	MW1795	glucosamine-6-phosphate isomerase, putative	Central intermediary metabolism	Amino sugars	-6.48	-3.93	-5.64	-3.69	
WANO14G81_at	19.1	14.0	1.8	1.9	2.3	SA2296	SA2098	SAR2389	SAS2196	SAV2305	MW2224	D-isomer specific 2-hydroxyacid dehydrogenase family protein	Central intermediary metabolism	Other	-1.37	-10.34	-9.81	-8.34	
WANO14G76_at	22.8	1.6	3.2	1.7	4.6	SA2276	SA2348	SAR2642	SAS2447	SAV2561	MW2482	dehydroisoleucine desaturase	Central intermediary metabolism	Other	-13.99	-7.08	-13.58	-4.98	
WANO14G79_at	7.3	1.9	1.3	1.0	2.3	SA2577	SA2349	SAR2248	SAS2562	MW2483	crfM	dehydroisoleucine synthase	Central intermediary metabolism	Other	-1.53	-2.74	-1.55	-3.25	
WANO14I0W_at	150.0	9.0	35.2	17.9	17.9	SA2114	SA1924	SAR2210	SAS2025	SAV2122	MW2046	glycyl betaine aldehyde dehydrogenase	Central intermediary metabolism	Other	-16.59	-4.26	-8.37	-8.37	
WANO14HJL_at	12.8	14.4	4.2	4.0	4.1	SA0932	SA0791	SAR0892	SAS0800	SAV0930	MW0812	D-isomer specific 2-hydroxyacid dehydrogenase family protein	Central intermediary metabolism	Other	1.13	-3.02	-3.17	-3.09	
WANO14G74_at	10.3	5.4	3.5	2.7	3.0	SA2574	SA2346	SAR2640	SAS2445	SAV2559	MW2482	D-isomer specific 2-hydroxyacid dehydrogenase family protein	Central intermediary metabolism	Other	-1.91	-2.95	-3.83	-3.46	
WANO14H9J_at	6.5	4.4	2.8	2.6	2.1	SA1843	SA1814	SAR1147	SAS1106	SAV1173	MW1054								

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WANO14H86_at	5.2	6.3	1.0	0.9	1.4	SA0708	SA0606	SAR0661	SA0616	SAV0651	MW0613	dhaL	dihydroxyacetone kinase, L subunit	Energy metabolism	Other	1.23	-6.39	-5.58	-3.65
WANO14H84_at	6.4	8.4	1.2	1.4	2.2	SA0707	SA0605	SAR0660	SA0615	SAV0650	MW0612	dhaK	dihydroxyacetone kinase family protein	Energy metabolism	Other	1.30	-8.21	-4.69	-2.89
WANO14G99_at	77.8	34.6	16.1	11.9	13.3	SA2624	SA0246	SAR2687	SA2494	SAV2609	MW2528	acp	acyl-CoA synthetase, putative	Energy metabolism	Other	-2.25	-4.82	-6.52	-5.84
WANO14IUF_at	61.4	57.9	14.2	10.6	15.1	SA0123	SA0133					deoC	deoxyribose-phosphate aldolase	Energy metabolism	Other	-1.06	-4.31	-5.81	-4.07
WANO14HE_e	44.1	33.2	16.7	13.3	16.4	SA0973	SA0829	SAR0930	SA0838	SAV0968	MW0850		fumaroylacetate hydrolase family protein	Energy metabolism	Other	-1.33	-2.65	-3.31	-2.69
WANO14H62_at	8.7	9.1	3.8	6.4	7.5	SA1130	SA1141	SAR1275	SAS1233	SAV1301	MW1183	gpiK	glycerol kinase	Energy metabolism	Other	-1.05	-6.06	-4.42	-4.18
WANO14FVQ_at	6.9	13.7	3.0	2.8	2.3	SA2929	SA2127	SAR2422	SA0228	SAV2536	MW2256	rpiA	ribose 5-phosphate isomerase	Energy metabolism	Other	-2.96	-2.30	-2.46	-3.03
WANO14F_XJ_at	56.7	58.2	28.3	29.3	26.7	SA1549	SA1336	SAR1582	SAS1445	SAV1505	MW1459	zwf	glucose-6-phosphate 1-dehydrogenase	Energy metabolism	Other	1.03	-2.01	-1.94	-2.12
WANO14H33_at	5.7	9.3	1.1	1.3	1.4	SA0958	SA0510	SAR0557	SA0510	SAV0552	MW0507	araB	L-tubulin kinase	Energy metabolism	Sugars	1.64	-6.06	-4.42	-4.18
WANO14H32_at	7.2	1.1	0.7	1.7	SA2149	SA1963	SAR2247	SA0200	SAV2159	MW2026	mid	mannitol 1-phosphate 5-dehydrogenase	Energy metabolism	Sugars	-2.92	-5.32	-5.52	-2.56	
WANO14H3R_at	25.5	8.6	6.8	4.9	6.5	SA0617	SA0528	SAR0574	SA0528	SAV0570	MW0525	hxaA	hexulose-6-phosphate synthase, putative	Energy metabolism	Sugars	-2.97	-3.72	-5.18	-3.89
WANO14GCG_at	5.9	12.2	2.0	2.0	1.9	SA2001	SA2279	SAR2576	SAS2378	SAV2491	MW2411	manB	phosphoglucomutase/phosphomannomutase family protein	Energy metabolism	Sugars	2.08	-2.95	-2.98	-3.18
WANO14HVP_at	6.4	6.6	2.3	2.3	2.6	SA2028	SA1945	SAR2127	SAS1945	SAV2040	MW1964	fkf	fructokinase, putative	Energy metabolism	Sugars	-1.04	-2.79	-2.81	-2.49
WANO14GYC_at	51.4	27.0	4.2	4.0	5.6	SA1448	SA1244	SAR1424	SAS1355	SAV1412	MW1302	sucB	2-oxoglutarate dehydrogenase, E2 component, dihydropyridinamide succinyltransferase	Energy metabolism	TCA cycle	-4.14	-1.91	-12.29	-12.79
WANO14GY_e	10.5	6.2	1.0	0.8	1.5	SA2149	odhA	SAR1425	SAS1356	SAV1413	MW1303	sucA	2-oxoglutarate dehydrogenase, E1 component	Energy metabolism	TCA cycle	-1.07	-10.76	-10.65	-6.87
WANO14H07_at	27.1	18.0	2.9	3.6	3.6	SA1958	SA1669	SAR1942	SAS1772	SAV1851	MW1792	fumC	fumarate hydratase, class I	Energy metabolism	TCA cycle	-1.51	-9.48	-7.60	-7.60
WANO14HWR_at	33.9	18.7	4.5	6.8	6.3	SA1158	SA0294	SAR1120	SAS1081	SAV1147	MW1030	sdhC	succinate dehydrogenase, cytochrome b558 subunit	Energy metabolism	TCA cycle	-1.21	-7.46	-4.96	-5.35
WANO14HTW_at	120.3	64.3	17.1	27.3	33.0	SA1109	SA0995	SAR1121	SAS1082	SAV1148	MW1031	sdhA	succinate dehydrogenase, flavoprotein subunit	Energy metabolism	TCA cycle	-1.87	-7.04	-4.42	-3.64
WANO14FWY_at	62.3	31.2	10.8	10.3	17.8	SA2362	SA2155	SAR2454	SAS2256	SAV2365	MW2286	mqp	malate:quinone oxidoreductase	Energy metabolism	TCA cycle	-2.00	-5.79	-6.06	-3.49
WANO14HWV_at	92.5	50.4	18.6	21.6	28.5	SA1160	SA0996	SAR1122	SAS1083	SAV1149	MW1032	sdhB	succinate dehydrogenase, iron-sulfur protein	Energy metabolism	TCA cycle	-1.83	-4.97	-4.28	-3.25
WANO14IYQ_at	7.7	5.1	1.8	1.3	2.2	SA1245	SA1125	SAR1425	SAS1356	SAV1413	MW1303	sucA	2-oxoglutarate dehydrogenase, E1 component	Energy metabolism	TCA cycle	-1.52	-4.75	-5.99	-3.55
WANO14I2Q_at	67.6	71.0	16.3	15.2	31.9	SA1262	SA1088	SAR1221	SAS1179	SAV1245	MW1128	sucC	succinyl-CoA synthase, beta subunit	Energy metabolism	TCA cycle	1.05	-4.15	-4.46	-2.12
WANO14HE7_at	19.5	8.5	5.0	6.9	12.3	SA1742	SA1518	SAR1774	SAS1823	SAV1695	MW1639	glia	citrate synthase	Energy metabolism	TCA cycle	-2.28	-3.90	-2.83	-1.58
WANO14HE5_at	52.1	18.2	14.6	19.5	40.0	SA1741	SA1517	SAR1773	SAS1822	SAV1694	MW1638	glk	isocitrate dehydrogenase, NADP-dependent	Energy metabolism	TCA cycle	-1.81	-2.87	-3.62	-3.30
WANO14FUH_at	68.6	51.3	19.5	24.9	54.0	SA1385	SA1184	SAR1362	SAS1289	SAV1350	MW1237	acon	aconitate hydratase	Energy metabolism	TCA cycle	-1.34	-3.51	-2.76	-1.27
WANO14I2V_at	142.6	114.4	60.0	62.1	118.0	SA1263	SA1089	SAR1222	SAS1180	SAV1246	MW1129	sucD	succinyl-CoA synthase, alpha subunit	Energy metabolism	TCA cycle	-1.25	-2.38	-2.30	-1.21
WANO14HDO_at	11.0	1.8	1.2	1.1	2.5	SA0211	SA0223	SAR0223	SA0207	SAV0231	MW0207	atoB	acetyl-CoA acetyltransferase	Fatty acid and phospholipid metabolism	Biosynthesis	-6.12	-8.05	-8.96	-4.45
WANO14HTL_at	7.1	3.1	2.9	3.5	1.9	SA2098	SA1968	SAR2098	SA0224	SAV0232	MW0208	fabG	3-hydroxyacyl-CoA dehydrogenase family protein	Fatty acid and phospholipid metabolism	Biosynthesis	-1.45	-3.10	-2.92	-3.29
WANO14G2P_at	4.3	1.4	2.0	1.5	1.5	SA2822	SA2260	SAR1646	SA1507	SAV2472		fabG	3-oxoacyl-(acyl carrier protein) reductase, authentic point mutation	Fatty acid and phospholipid metabolism	Biosynthesis	-3.00	-2.20	-2.79	-2.78
WANO14GCV_at	128.3	18.0	2.1	2.3	4.5	SA2694	SA2463	SAR2753	SA2256	SAV2671	MW2590	lip	lipase	Fatty acid and phospholipid metabolism	Degradation	-7.13	-61.82	-56.88	-28.36
WANO14HEU_at	8.9	0.4	0.3	2.0	SA0213	SA0225	SAR0225	SA0209	SAV0233	MW0209	fadD	acyl-CoA dehydrogenase family protein	Fatty acid and phospholipid metabolism	Degradation	-1.45	-2.82	-2.67	-1.30	
WANO14H5U_at	2.1	1.4	0.9	2.2	2.7	SA1034	SA0226	SAR0226	SA0208	SAV0232	MW0208	fabB	3-hydroxyacyl-CoA dehydrogenase family protein	Fatty acid and phospholipid metabolism	Degradation	-2.00	-3.28	-3.01	-5.00
WANO14HFF_at	4.2	0.9	0.7	1.5	SA0214	SA0226	SAR0226	SA0210	SAV0234	MW0210	fadE	long-chain-fatty-acyl-CoA ligase, putative	Fatty acid and phospholipid metabolism	Degradation	-4.00	-4.74	-5.64	-2.89	
WANO14G5V_at	29.5	24.0	8.4	7.3	0.9	SA2549	SA2323	SAR2615	SA2421	SAV2535	MW2456		esterase, putative	Fatty acid and phospholipid metabolism	Degradation	-1.22	-3.50	-4.01	-2.97
WANO14H5E_at	9.0	27.0	9.8	2.2	2.7	SA1034	SA0226	SAR0226	SA0210	SAV0234	MW0210	pic	1-phosphatidylcholine phosphodiesterase precursor	Fatty acid and phospholipid metabolism	Degradation	-1.21	-1.10	-2.52	-2.40
WANO14FWC_at	12.4	19.0	4.2	4.9	3.9	SA2345	SA2140	SAR2435	SAS2241	SAV2350	MW2271		esterase, putative	Fatty acid and phospholipid metabolism	Degradation	1.54	-2.93	-2.54	-3.14
WANO14HR1_at	65.7	47.7	27.1	23.3	32.3	SA1058	SA0988	SAR1019	SAS0981	SAV1045	MW1069	menB	enoyl-CoA hydratase/isomerase family protein	Fatty acid and phospholipid metabolism	Degradation	-1.38	-2.42	-2.52	-3.03
WANO14HIP_at	29.7	15.3	14.9	12.4	10.6	SA1814	SA1584	SAR1848	SAS1889	SAV1765	MW1708		lyso-phospholipase, putative	Fatty acid and phospholipid metabolism	Other	-1.94	-1.99	-2.40	-2.81
WANO14FWG_at	9.0	2.7	2.4	2.2	2.7	SA1034	SA0226	SAR0226	SA0210	SAV0234	MW0210	pic	1-phosphatidylcholine phosphodiesterase precursor	Fatty acid and phospholipid metabolism	Other	2.14	-1.46	-3.14	-2.81
WANO14H41_at	2.1	1.4	0.9	1.1	1.0	SA0621	SA0533	SAR0580	SA0533	SAV0575	MW0530	vrA	substrate-CoA ligase, putative	Fatty acid and phospholipid metabolism	Degradation	-1.46	-2.27	-1.86	-2.03
WANO14GSN_at	18.4	4.4	0.6	0.4	1.3	SA0176	SA0184	SAR0191	SA0316	SAV0190	MW0164		conserved hypothetical protein	Hypothetical proteins	Conserved	-4.23	-33.30	-48.05	-13.90
WANO14G5E_at	45.4	16.4	1.8	5.2	6.3	SA0274	SA0274	SAR0274	SA0209	SAV0233	MW0209		conserved hypothetical protein	Hypothetical proteins	Conserved	-1.8	-1.17	-1.16	-7.24
WANO14GNW_at	27.2	5.1	1.3	2.6	5.7	SA0768	SA0663	SAR0761	SA0673	SAV0708	MW0607	saeP	hypothetical protein	Hypothetical proteins	Conserved	-5.30	-20.43	-10.54	-4.74
WANO14GNU_at	46.0	9.3	3.2	6.5	11.3	SA0767	SA0662	SAR0760	SA0672			saeO	conserved hypothetical protein	Hypothetical proteins	Conserved	-4.92	-14.45	-7.07	-4.08
WANO14H35_at	31.5	24.4	3.2	4.2	6.2	SA0599	SA0511	SAR0558	SA0511	SAV0553	MW0508	wcaG	conserved hypothetical protein	Hypothetical proteins	Conserved	-1.29	-8.84	-7.52	-5.08
WANO14G92_at	25.7	16.1	3.1	3.6	6.1	SA1846	SA1617	SAR1846	SA1617			RNA	hypothetical protein	Hypothetical proteins	Conserved	-1.1	-1.61	-1.16	-4.58
WANO14H1I_at	91.3	75.3	11.5	10.5	13.1	SA2127	SA1937	SAR2223	SA2038	SAV2135	MW2059		conserved hypothetical protein	Hypothetical proteins	Conserved	-1.21	-7.93	-6.87	-6.98
WANO14G8L_at	12.6	1.1	1.6	1.3	1.4	SA2605	SA2374	SAR2668	SA2474	SAV2588	MW2508		conserved hypothetical protein	Hypothetical proteins	Conserved	-11.06	-7.84	-9.74	-8.94
WANO14G8L_e	6.5	1.4	0.9	1.1	1.7	SA2605	SA2374	SAR2668	SA2474	SAV2588	MW2508		conserved hypothetical protein	Hypothetical proteins	Conserved	-3.90	-2.29	-3.12	-3.28
WANO14GKV_at	78.4	10.2	13.4	10.0	11.1	SA1226	SA1057	SAR1190	SAS1148	SAV1214	MW1097		conserved hypothetical protein	Hypothetical proteins	Conserved	-11.67	-5.84	-7.87	-7.04
WANO14G7F_at	11.3	10.3	2.0	0.9	1.1	SA2580	SA2352	SAR2647	SA2451	SAV2565	MW2486	criO	staphyloanthine biosynthesis (ORF 3)	Hypothetical proteins	Conserved	-6.75	-12.34	-10.54	-10.54
WANO14H1X_at	20.4	3.7	2.1	2.6	SA2136	SA1946	SAR2232	SA2047	SAV2144	MW2068			conserved hypothetical protein	Hypothetical proteins	Conserved	-5.51	-8.96	-7.93	-7.93
WANO14GDR_at	49.1	10.1	1.2	1.2	SA0274	SA0274	SAR0274	SA0209	SAV0233	MW0209			conserved hypothetical protein	Hypothetical proteins	Conserved	-2.05	-3.00	-3.29	-3.29
WANO14G99_e	29.6	1.0	5.6	3.3	4.2	SA2625	SA2403	SAR2688	SAS2495	SAV2610	MW2529		conserved hypothetical protein	Hypothetical proteins	Conserved	-29.58	-5.30	-8.88	-7.00
WANO14H1P_at	4.9	5.5	1.0	0.9	0.7	SA2132	SA1924	SAR2228	SAS2043	SAV2140	MW2074		conserved hypothetical protein	Hypothetical proteins	Conserved	-1.12	-5.12	-5.26	-7.21
WANO14H1H_at	17.4	14.2	3.5	3.9	5.8	SA0568	SA0481	SAR0526	SAS0480	SAV0523	MW0548		conserved hypothetical protein	Hypothetical proteins	Conserved	-1.23	-5.02	-4.50	-3.02
WANO14H1Q_at	19.8	9.9	4.5	2.7	4.5	SA2461	SA2442	SAR2461	SA2453	SAV2453	MW2453		conserved hypothetical protein						

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																	30'	120'	360'	120'
WANO14HGE_at	136.3	20.0	56.8	34.9	33.2	SA1789	SA1560	SAR1817	SAS1665	SAV1739	MW1682		conserved hypothetical protein			Conserved	-6.83	-2.40	-3.91	-4.11
WANO14I2F_at	2.1	2.1	0.9	0.7	0.8	SA2152	SA1966	SAR2253	SAS2064	SAV2162	MW2089		conserved hypothetical protein			Conserved	1.03	-2.37	-2.80	-2.47
WANO14GML_at	3.6	2.6	1.5	1.7	1.4	SAS041	SAR1333	SAS1263	MW1210				conserved hypothetical protein			Conserved	-1.40	-2.33	-2.17	-2.56
WANO14GNB_at	203.2	145.7	88.7	75.0	115.6	SA0271	SA0271	SAR0279	SAS0258	SAV0282	MW2529	esxA	conserved hypothetical protein			Conserved	-1.39	-2.29	-2.71	-1.76
WANO14GCE_at	5.2	1.6	2.3	1.8	1.4	SA2682	SA2452	SAR2740	SAS2545	SAV2659	MW2579		conserved hypothetical protein			Conserved	-3.29	-2.27	-2.95	-3.80
WANO14XM_x_at	4.9	2.8	2.2	1.8	2.9		SA1788						conserved hypothetical protein			Conserved	-1.72	-2.25	-2.72	-1.85
WANO14QVP_at	125.4	10.0	56.4	42.1	76.5	SA0446	SA0360	SAR0362	SAS0351	SAV0374	MW0349		conserved hypothetical protein			Conserved	-12.54	-2.23	-2.98	-1.64
WANO14GHV_at	2498.3	1570.8	1136.4	1326.7	1365.3		SA0500	SAR1709	SAS1565	SAV1629	MW1579		conserved hypothetical protein			Conserved	-1.59	-2.20	-1.88	-1.83
WANO14FNF_at	5.4	3.1	2.4	1.9	1.7	SA1440	SA1237	SAR1417	SAS1346	SAV1405	MW1293		conserved hypothetical protein			Conserved	-1.72	-2.20	-2.88	-3.11
WANO14FYK_at	15.6	21.3	7.1	6.1	6.4	SA1359	SA1661	SAR1934	SAS1764	SAV1943	MW1784		conserved hypothetical protein			Conserved	1.37	-2.19	-2.57	-2.45
WANO14FVX_at	5.2	3.8	2.4	2.2	2.2	SA2404	SA2195	SAR2497	SAS2298	SAV2407	MW2329		conserved hypothetical protein			Conserved	-1.39	-2.17	-2.37	-2.33
WANO14H01_at	4.6	6.1	2.1	1.8	2.3	SA2334	SA2131	SAR2426	SAS2232	SAV2340	MW2260	nalB	conserved hypothetical protein			Conserved	1.32	-2.17	-2.59	-2.03
WANO14G2Z_at	2.3	2.9	1.1	1.2	1.4	SA1947	SA1705	SAR1980	SAS1811	SAV1889	MW1529	galE	conserved hypothetical protein			Conserved	1.25	-2.16	-1.88	-1.69
WANO14H01_at	9.4	14.6	4.4	4.3	6.1	SA1011	SA0855	SAR0374	SAS0876	SAV1007	MW0658	ppkA	conserved hypothetical protein			Conserved	1.58	-2.14	-2.17	-2.30
WANO14HWF_at	2.0	1.3	0.9	1.1	1.0		SAR1313						conserved hypothetical protein			Conserved	-1.48	-2.14	-1.77	-2.06
WANO14H4A_at	3.1	1.9	1.4	1.2	1.8		SA1796	SAR2087	SAS1908	SAV1987	MW1925		conserved hypothetical protein			Conserved	-1.59	-2.14	-2.47	-1.73
WANO14QYS_at	51.3	51.9	24.0	18.4	22.7	SA0521	SA0437	SAR0478	SAS0436	SAV0479	MW0434		conserved hypothetical protein	TIGR00103		Conserved	-1.01	-2.14	-2.78	-2.26
WANO14LW_x_at	1.2	0.6	0.6	0.8	1.0	SA0286							conserved hypothetical protein			Conserved	-2.05	-2.13	-1.57	-1.24
WANO14G53_at	3.2	1.3	1.5	1.4	1.7	SA2529	SA2306						conserved hypothetical protein			Conserved	-2.48	-2.11	-2.31	-1.88
WANO14HNR_at	3.7	5.2	1.8	1.6	1.4	SA1009	SA0863	SAR0972	SAS0874	SAV1005	MW0886		conserved hypothetical protein			Conserved	1.39	-2.09	-2.34	-2.68
WANO14H4K_at	1.9	2.1	0.9	0.7	1.1								conserved hypothetical protein			Conserved	1.12	-2.08	-2.74	-2.74
WANO14H4K_at	1.2	0.6	0.5	0.9	SA0106	SA0118	SAR0125	SAS0096	SAV0122	MW0095			conserved hypothetical protein			Conserved	-2.08	-2.43	-1.43	-1.43
WANO14H4J_at	1.5	1.6	0.7	0.8	1.2	SA0930	SA0789	SAR0890	SAS0798	SAV0928	MW0810		conserved hypothetical protein			Conserved	1.06	-2.07	-1.80	-1.23
WANO14F7H_at	1.5	1.2	0.7	0.8	1.0								conserved hypothetical protein			Conserved	-1.28	-2.07	-2.30	-2.52
WANO14GEO_at	4.7	2.2	2.3	1.5	2.5	SA2596	SA2366	SAR2660	SAS2466	SAV2580	MW2500		conserved hypothetical protein			Conserved	-2.12	-2.06	-3.18	-1.84
WANO14G5X_at	22.1	35.4	10.7	9.2	7.8	SA2550	SA2324	SAR2616	SAS2422	SAV2536	MW2457		conserved hypothetical protein			Conserved	1.60	-2.06	-2.41	-2.85
WANO14M3_x_at	1.1	0.9	0.5	0.3	0.3	SA0296	SA0289						conserved hypothetical protein			Conserved	-1.17	-2.03	-3.52	-2.74
WANO14F5J_at	1.2	1.3	1.3	1.3	1.5	SA0467	SA0381	SAR0421	SAS0383	SAV0421	MW0381		conserved hypothetical protein			Conserved	0.95	-2.03	-2.31	-2.45
WANO14GGO_at	2.5	2.0	1.2	1.3	1.5	SA0467	SA0381	SAR0421	SAS0383	SAV0421	MW0381		conserved hypothetical protein			Conserved	-1.27	-2.02	-1.91	-1.72
WANO14GSO_at	7.2	7.0	3.1	2.8	2.7	SA1006	SA0860	SAR0969	SAS0871	SAV1001	MW0883		conserved hypothetical protein			Conserved	1.12	-2.00	-2.20	-2.28
WANO14G2H_at	6.8	8.9	3.9	3.1	3.0	SA1467	SA1264	SAR1444	SAS1374	SAV1431			conserved hypothetical protein			Conserved	-1.15	-1.98	-2.48	-2.60
WANO14G04_at	16.6	10.8	1.9	2.1	2.5	SA1947	SA1818						conserved domain protein			Domain	-1.53	-1.98	-1.83	-1.78
WANO14GNB_at	19.3	2.8	4.4	2.5	2.7	SA0742	SA0637	SAR0735	SAS0647	SAV0682	MW0644		conserved domain protein			Domain	-6.83	-4.33	-7.78	-7.23
WANO14G0J_at	27.6	2.6	1.2	1.2	1.3	SA1870	SA1738				MW1757		hypothetical protein			Not Conserved	-10.73	-2.85	-2.80	-2.80
WANO14G5G_at	58.6	3.4	2.8	1.6	7.0	SA0460	SA0395	SAR0437	SAS0398		MW0396		hypothetical protein			Not Conserved	21.22	-2.71	-16.40	-8.34
WANO14BQV_at	8.9	2.2	0.5	0.7	1.3	SA2693							hypothetical protein			Not Conserved	-4.01	-17.44	-12.83	-6.70
WANO14FTI_at	16.0	10.6	1.9	1.8	2.8			SA0371			MW0372		hypothetical protein			Not Conserved	-1.52	-8.64	-9.02	-5.67
WANO14GDO_at	257.9	8.7	34.6	27.1	37.8	SA0457	SA0372						hypothetical protein			Not Conserved	-8.99	-7.46	-6.53	-4.82
WANO14HPI_at	9.2	2.0	1.2	1.6	2.6	SA1133	SA0893	SAR0996	SAS0969	SAV1027	MW0907		hypothetical protein			Not Conserved	1.52	-7.98	-4.67	-3.93
WANO14GPI_at	5.3	8.7	0.8	0.9	1.2	SA0851	SA0739	SAR0839	SAS0749	SAV0808	MW0761		hypothetical protein			Not Conserved	1.62	-6.94	-5.75	-4.49
WANO14G5G_at	57.6	7.6	8.4	6.7	0.6	SA1046		SAR1012	SAS0974		MW0922		hypothetical protein			Not Conserved	-7.61	-6.88	-6.57	-5.97
WANO14G2Y_at	41.1	32.1	7.7	4.9	4.3	SA1992	SA1743	SAR2021	SAS1853	SAV1929	MW1870		hypothetical protein			Not Conserved	-6.1	-6.28	-6.10	-5.42
WANO14FX4_at	63.8	28.1	10.7	5.7	5.9	SA2365	SA2158						hypothetical protein			Not Conserved	-2.27	-5.95	-11.16	-10.84
WANO14H3C_at	9.0	2.3	1.6	1.1	1.2	SA0092	SA0105	SAR0112	SAS0083	SAV0109	MW0082		hypothetical protein			Not Conserved	-3.99	-5.63	-8.44	-7.47
WANO14GQJ_at	109.7	4.3	2.0	2.6	75.4	SA0625	SA0516	SAR0584	SAS0537	SAV0579	MW0534		hypothetical protein			Not Conserved	-2.48	-6.42	-1.45	-0.79
WANO14BPR_at	19.7	7.5	3.7	3.9	7.2	SA0400		SAR0449	SA03407		MW0405		hypothetical protein			Not Conserved	7.2	-3.63	-5.27	-5.03
WANO14GCG_at	11.6	5.4	2.3	2.0	2.2	SA0456	SA0371	SAR0404	SAS0382	SAV0386	MW0362		hypothetical protein			Not Conserved	-2.16	-5.01	-5.75	-5.32
WANO14I3J_at	60.8	13.3	12.8	6.6	7.8	SA2174	SA1985	SAR2274	SAS2084	SAV2183	MW2109		hypothetical protein			Not Conserved	-48.16	-4.75	-6.17	-7.82
WANO14HGA_x_at	14.3	1.8	3.0	2.0	2.5	SA0176							hypothetical protein			Not Conserved	3.1	-6.99	-7.22	-5.71
WANO14H2X_at	2.8	0.6	0.6			SA0156	SA0164						hypothetical protein			Not Conserved	-7.74	-4.46		
WANO14BQV_at	24.2	8.6	5.7	6.6	5.8	SA1978							hypothetical protein			Not Conserved	-2.81	-4.28	-3.69	-4.14
WANO14GPH_at	9.2	16.9	2.2	1.9	2.1	SA0850							hypothetical protein			Not Conserved	1.84	-4.23	-4.78	-4.35
WANO14G5L_at	7.4	2.9	1.8	1.6	2.3	SA1138	SA1948	SAR2234	SAS2049	SAV2146	MW2070		hypothetical protein			Not Conserved	16.26	-4.18	-3.66	-3.51
WANO14H7T_at	69.9	34.9	16.8	12.6	18.8	SA1629	SA1401	SAR1649	SAS1510	SAV1572	MW1524		hypothetical protein			Not Conserved	-2.00	-4.15	-5.56	-3.71
WANO14H18_at	231.3	123.3	56.1	63.9	47.2	SA1041	SA0889			SAV1036	MW0917		hypothetical protein			Not Conserved	-1.88	-4.12	-3.62	-4.90
WANO14H1M_at	5.6	4.9	1.4	1.6	1.4	SA0110	SA0121						hypothetical protein			Not Conserved	-1.14	-3.97	-3.53	-4.01
WANO14H1V_at	19.2	11.2	6.8	5.4	4.2	SA0490	SA2488						hypothetical protein			Not Conserved	0.42	-3.89	-5.48	-5.48
WANO14G3Q_at	16.3	13.0	4.2	4.4	4.4	SA2027							hypothetical protein			Not Conserved	-1.25	-3.85	-3.73	-3.73
WANO14GDE_at	5.3	3.3	1.4	3.3	4.6	SA2571	SA2343	SAR2636	SAS2442	SAV2556	MW2477		hypothetical protein			Not Conserved	-1.61	-3.77	-1.60	-1.77
WANO14GHE_at	3.9	0.9	1.1	0.7	1.9	SA0514				SAV0451			hypothetical protein			Not Conserved	-4.21	-3.60	-5.96	-2.02
WANO14GPD_at	7.2	12.2	2.0	2.6	2.2	SA0849	SA0738			SAV0807			hypothetical protein			Not Conserved	1.69	-3.54	-2.77	-3.21
WANO14HEW_at	51.3	23.2	14.6	19.8	28.3	SA1757							hypothetical protein			Not Conserved	-2.21	-3.52	-2.59	-1.81
WANO14H4B_at	2.8	3.8	0.8	1.0		SA2381	SA2171	SAR2470	SAS2273	SAV2383	MW2303		hypothetical protein			Not Conserved	1.38	-3.48	-2.67	-2.89
WANO14H4U_at	9.8	11.7	2.8	3.3	2.8	SA1113	SA0955	SAR1078	SAS1038	SAV1104	MW0987		hypothetical protein			Not Conserved	1.20	-3.45	-2.99	-3.46
WANO14H4E_at	8.6	1.8	2.5	2.1	1.9	SA1821	SA1590	SAR1854	SAS1695	SAV1772	MW1712		hypothetical protein			Not Conserved	-4.70	-3.42	-4.17	-4.58
WANO14I0L_at	259.0	3.6	77.0	38.1	45.4	SA2175	SA1986	SAR2275	SAS2085	SAV2184	MW2110		hypothetical protein			Not Conserved	-72.13	-3.36	-6.79	-6.71
WANO14G2W_at	387.0	91.1	119.2	86.9	80.0	SA1895	SA1857	SAR1930	SAS1760	SAV1939	MW1778		hypothetical protein			Not Conserved	-4.25	-3.25	-4.45	-4.84
WANO14GWA_at	6.7	4.3	1.8	1.7	1.5	SA1366	SA1168	SAR1342	SAS1272	SAV1332	MW1219		hypothetical protein			Not Conserved	-1.34	-3.23	-3.44	-3.71
WANO14G6J_at	20.7	11.7	6.7	6.0	8.1	SA2241	SA2049	SAR2337	SAS2143	SAV2252	MW2171		hypothetical protein			Not Conserved	-1.76	-3.11	-3.43	-2.56



Systematic	Stat.	Loc	30'	120'	360'	COL	N315	MRSa	MSSA	Mu50	MW2	GENE NAME	Protein Function	TIGR Main Role	TIGR Sub Role	Fold change vs stationary phase			
																LB	30' in vivo	120' in vivo	360' in vivo
WANO14H22_at	13.5	12.8	6.4	7.3	8.7	SA2087							hypothetical protein	Hypothetical proteins	Not Conserved	-1.06	-2.10	-1.86	-1.55
WANO14H11_at	6.9	2.1	3.3	2.4	2.7	SA2489	SA2267	SAR2568	SAS2371	SAV2479	MW2404		hypothetical protein	Hypothetical proteins	Not Conserved	-3.24	-2.09	-2.89	-2.59
WANO14GPG_at	7.3	0.9	3.5	2.8	4.4	SA0300	SA0292	SAR0301	SA0281	SAV0304	MW0281		hypothetical protein	Hypothetical proteins	Not Conserved	3.1	2.08	2.07	-1.66
WANO14GNV_at	2.5	2.4	1.2	1.0		SA0280	SA0280		SA0267	SAV0292	MW0267		hypothetical protein	Hypothetical proteins	Not Conserved	1.36	-2.05	-2.45	-2.51
WANO14H8A_at	1.7	1.8	0.8	0.7		SA1658	SA1431		SAS1539	SAV1603	MW1553		hypothetical protein	Hypothetical proteins	Not Conserved	1.05	-2.04	-2.27	-2.07
WANO1BQJM_x_at	2.1	1.6	1.0	1.2		SA2250							hypothetical protein	Hypothetical proteins	Not Conserved	-1.26	-2.03	-1.74	-1.89
WANO14H36_at	3.5	4.4	1.7	1.2	1.9	SA1544	SA1332	SAR1577		SAV1501			hypothetical protein	Hypothetical proteins	Not Conserved	1.26	-2.01	-2.92	-1.88
WANO14GNP_at	1.1	2.2	0.6	0.2		SA0278	SA0278		SAS0265	SAV0290	MW0265	esxB	hypothetical protein	Hypothetical proteins	Not Conserved	2.02	-2.00	-2.00	-6.89
WANO1BQSO_at	4.2	2.8	2.1	2.6	2.2	SA1755			SAS0581	SAV0613	MW0577		hypothetical protein	Hypothetical proteins	Not Conserved	-1.53	-2.00	-1.60	-1.89
WANO14H6L_at	99.9	30.9	50.3	33.9	34.7	SA0689			SAR0622	SAV0613	MW0577		hypothetical protein	Hypothetical proteins	Not Conserved	-2.95	-1.99	-2.57	-2.98
WANO1B3AD_at	2.3	2.2	1.1	0.9	1.2	#NA							antisense of uncharacterized phage protein (possible DNA packaging)	Mobile and extrachromosomal element functions	Role category not yet assigned	-1.03	-2.12	-2.66	-1.92
WANO14GLL_at	1.3	0.8	0.3						SAS1885		MW1902		hypothetical protein	Mobile and extrachromosomal element functions	Prophage functions	-1.54	-3.84	-3.88	-2.85
WANO14G6H_at	6.0	3.0	2.0	1.5	2.1	#NA							hypothetical protein	Mobile and extrachromosomal element functions	Prophage functions	-2.01	-3.06	-3.88	-2.85
WANO1B23A_at	5.7	1.4	0.9	1.7	0.3				SAS2573		MW2607		hypothetical protein	No Data	No Data	-4.70	-4.16	-5.02	-4.13
WANO14FTJ_at	1.8	1.0	0.6	0.6	0.7				SAS0376		MW0375		hypothetical protein	No Data	No Data	-1.82	-3.15	-2.80	-2.65
WANO14GR7_at	51.8	24.9	23.3	27.8	30.7				SAR2237	SAV2051	MW2072		hypothetical protein	No Data	No Data	-2.09	-2.22	-1.86	-1.69
WANO14H9X_at	37.1	29.1	14.2	12.7	10.4	SA2058	SA1873		SAR2156	SAS1973	SAV2068		penK' protein, putative	Other categories	Plasmid functions	-1.28	-2.61	-2.92	-3.59
WANO14HND_at	21.1	23.1	9.2	7.1	7.7	SA1898	SA1660		SAR1933	SAS1763	SAV1942	MW1783	cbf1	Other categories	Plasmid functions	1.10	-2.30	-2.96	-2.74
WANO14GRZ_at	1.4	1.0	0.7	0.6	1.0	SA0360			SAV0879				bacteriophage L54, hypothetical protein	Other categories	Prophage functions	-1.39	-2.16	-2.25	-1.46
WANO14HMG_at	5.1	5.1	1.8	1.8	2.4	SA1878			SAS1746		MW1765		IS1181, transposase	Other categories	Transposon functions	1.01	-2.75	-2.82	-2.09
WANO14G5T_at	91.0	11.3	7.1	5.8	2.1	SA1955	SA0899	SAR1020	SAS0982	SAV1048	MW0390	sspC	oligodendroplase	Protein fate	Degradation of proteins, peptides, and glycopeptides	-8.03	-12.72	-18.86	-19.61
WANO14G5Z_x_at	24.0	4.4	2.2	2.1	2.1	SA1057			SAR1022	SAS0984	SAV1048	MW0392	sspA (v8)	Protein fate	Degradation of proteins, peptides, and glycopeptides	-5.40	-11.13	-11.22	-11.41
WANO14G5W_at	5.8	1.7	0.9	1.1	1.0	SA1056	SA0900	SAR1021	SAS0983	SAV1047	MW0391	sspB	staphylokin	Protein fate	Degradation of proteins, peptides, and glycopeptides	-3.31	-6.11	-6.42	-5.51
WANO14G5T_y_at	13.9	19.5	2.4	1.5	1.6	SA2307	SA1814		SAR1022	SAS0984	SAV1048	MW0392	staphylokin	Protein fate	Degradation of proteins, peptides, and glycopeptides	-5.4	-6.26	-6.34	-5.86
WANO14HNN_at	22.1	43.4	4.4	4.6	4.7	SA1005	SA0859	SAR0968	SAS0870	SAV1000	MW0882	pepF	glutamyl endopeptidase precursor	Protein fate	Degradation of proteins, peptides, and glycopeptides	-1.96	-5.08	-4.83	-4.75
WANO14GDA_at	11.4	4.3	2.7	1.3	1.7	SA2563	SA2336	SAR2628	SA2434	SAV2548	MW2469	clpC	ATP-dependent Clp protease, ATP-binding subunit ClpC	Protein fate	Degradation of proteins, peptides, and glycopeptides	-2.63	-4.27	-9.08	-6.57
WANO14FYE_at	4.8	5.3	1.3	1.6	1.3	SA1756	SA1530	SAR1786	SAS1635	SAV1708	MW1651		proline dipeptidase	Protein fate	Degradation of proteins, peptides, and glycopeptides	1.09	-3.73	-3.11	-3.74
WANO14H0L_at	15.8	2.5	1.9	1.4	2.1	SA0257	SA0815	SAR0912	SAS1326	SAV1959	MW1350	sspB	oligodendroplase	Protein fate	Degradation of proteins, peptides, and glycopeptides	2.2	-2.64	-2.61	-3.13
WANO14HLL_at	12.5	5.1	3.6	7.2	14.8	SA0979	SA0833	SAR0938	SA0845	SAV0975	MW0857	clpB	ATP-dependent Clp protease, ATP-binding subunit ClpB	Protein fate	Degradation of proteins, peptides, and glycopeptides	-2.48	-3.50	-1.74	-1.18
WANO14H3L_at	7.4	5.0	2.1	2.0	2.2	SA1555	SA1343	SAR1590	SAS1451	SAV1512	MW1465	pepT	peptidase T	Protein fate	Degradation of proteins, peptides, and glycopeptides	-1.49	-3.48	-3.69	-3.35
WANO14G15_at	9.0	14.0	8.2	8.8	9.8	SA0570	SA0463	SAR0528	SAS0452	SAV0525	MW0480	clpC	ATP-dependent Clp protease, ATP-binding subunit ClpC, authentic frameshift	Protein fate	Degradation of proteins, peptides, and glycopeptides	-1.14	-3.36	-3.03	-1.96
WANO14H17L_at	15.7	17.1	5.2	5.1	3.9	SA4119	SA1216	SAR1197	SAS1366	SAV1394	MW1272	pepF	serine protease HtrA	Protein fate	Degradation of proteins, peptides, and glycopeptides	3.9	-1.99	-3.02	-4.05
WANO14FYU_at	17.6	28.2	6.4	6.1	8.1	SA1757	SA1549	SAR1805	SAS1654	SAV1728	MW1670	htrA	serine protease HtrA	Protein fate	Degradation of proteins, peptides, and glycopeptides	1.61	-2.74	-2.90	-2.16
WANO14G19_at	8.0	10.0	3.4	3.0	3.9	SA2463	SA2244	SAR2545	SA2347	SAV2455	MW2379		peptidase M42 family	Protein fate	Degradation of proteins, peptides, and glycopeptides	-1.13	-2.66	-2.96	-2.31
WANO14H0R_at	15.1	5.7	3.9	2.8	3.2	SA1795	SA1566	SAR1923	SAS1671	SAV1745	MW1688		peptidase M42 family	Protein fate	Degradation of proteins, peptides, and glycopeptides	-2.17	-2.62	-2.61	-3.13
WANO14H9J_at	33.9	35.9	13.5	11.8	10.2	SA1801	SA1572	SAR1836	SAS1677	SAV1751	MW1694	pepV	peptidase, M20/M25/M40 family	Protein fate	Degradation of proteins, peptides, and glycopeptides	1.06	-2.51	-2.87	-3.32
WANO14HKH_at	12.5	15.3	5.1	4.7	4.9	SA0945	SA0803	SAR0904	SAS0812	SAV0942	MW0824	ampA	cytosol aminopeptidase family protein	Protein fate	Degradation of proteins, peptides, and glycopeptides	1.23	-2.42	-2.68	-2.52
WANO14G1C_at	5.4	12.9	2.3	2.3	3.4	SA0595	SA0507	SAR0554	SAS0507	SAV0549	MW0504		peptidase, M20/M25/M40 family	Protein fate	Degradation of proteins, peptides, and glycopeptides	2.40	-2.36	-2.38	-1.56
WANO14G1D_at	3.2	2.1	1.5	1.3	2.1	SA1397	SA1194		SAS1878		MW1895		peptidase, M20/M25/M40 family	Protein fate	Degradation of proteins, peptides, and glycopeptides	-1.53	-2.16	-2.33	-1.78
WANO14G0Z_at	4.3	4.5	2.1	1.9	2.9	SA1897	SA1659	SAR1932	SAS1762	SAV1841	MW1782	prsA	protease maturation protein	Protein fate	Degradation of proteins, peptides, and glycopeptides	1.04	-2.06	-2.33	-1.47
WANO14G0O_at	9.0	6.0	2.4	2.1	3.1	SA2671	SA2442	SAR2728	SAS2535	SAV2649	MW2570	secA2	secA family protein	Protein fate	Protein and peptide secretion and trafficking	-1.48	-3.69	-4.32	-2.92
WANO14A80-sec1	11.4	30.1	3.6	4.0	5.9	SA2671	SA2442	SAR2728	SAS2535	SAV2649	MW2570	secA2	secA family protein	Protein fate	Protein and peptide secretion and trafficking	-1.48	-3.69	-4.32	-2.92
WANO14A80-sec2	14.5	31.0	5.3	4.9	5.0	SA2676	SA2676	SAR2734	SAS2540	SAV2654	MW2575	ssaA	LPXTG-motif cell wall anchor domain protein	Protein fate	Protein and peptide secretion and trafficking	2.13	-2.75	-2.96	-2.92
WANO14G0C5_at	1.5	2.6	0.6	0.5		SA2674	SA2445		SAS2538	SAV2652	MW2573	asp1	accessory secretory protein Asp1	Protein fate	Protein and peptide secretion and trafficking	1.70	-2.71	-2.82	-2.01
WANO14G0C2_at	2.9	4.4	1.2		1.5	SA2673	SA2444	SAR2730	SAS2537	SAV2651	MW2572	asp2	accessory secretory protein Asp2	Protein fate	Protein and peptide secretion and trafficking	-1.62	-2.43	-2.63	-2.01
WANO14HVE_at	15.2	11.6	3.1	2.7	2.6	SA1836	SA1636	SAR2216	SAS1935	SAV2029	MW1953	groEL	chaperonin, 60 kDa	Protein fate	Protein folding and stabilization	-1.31	-4.92	-5.64	-5.02
WANO14H8V_at	52.2	31.1	14.8	17.6	24.1	SA1637	SA1409	SAR1657	SAS1518	SAV1580	MW1532	dnaK	dnaK protein, 10 kDa	Protein fate	Protein folding and stabilization	-1.68	-3.53	-2.96	-2.17
WANO14H91_at	5.7	5.0	1.7	1.8	2.6	SA2017	SA1837	SAR2117	SAS1936	SAV2030	MW1954	groES	peptidyl-prolyl cis-trans isomerase, cyclophilin-type	Protein fate	Protein folding and stabilization	-1.15	-3.42	-3.15	-2.18
WANO14H0K_at	18.4	20.5	8.0	7.3	9.6	SA0257	SA0815	SAR0912	SAS1326	SAV1959	MW1350	sspB	oligodendroplase	Protein fate	Protein folding and stabilization	1.11	-2.31	-2.52	-1.93
WANO14HRZ_at	49.0	45.7	21.1	19.0	17.8	SA1946	SA1704	SAR1978	SAS1810	SAV1888	MW1828	map	methionine aminopeptidase, type I	Protein fate	Protein modification and repair	-1.07	-2.32	-2.57	-2.75
WANO14HD7_at	17.0	20.3	7.4	5.7	7.2	SA0826	SA0716	SAR0815	SA0726	SAV0761	MW0723	igt	prolipoprotein diacylglycerol transferase	Protein fate	Protein modification and repair	1.20	-2.28	-2.99	-2.35
WANO14H5L_at	11.7	8.7	5.3	4.9	3.9	SA1591	SA1363	SAR1610	SAS1471	SAV1533	MW1485		lipote-protein ligase A	Protein fate	Protein modification and repair	-1.35	-2.23	-2.41	-3.02
WANO14GWR_at	10.4	10.4	5.2	3.6	2.8	SA2635	SA2410	SAR1373	SAS1301	SAV1361	MW1248	msrA	peptide methionine sulfide reductase	Protein synthesis	Protein modification and repair	-1.62	-2.77	-5.08	-4.19
WANO14GUP_at	5.1	3.1	0.9	1.0	1.2	SA0413	SA0330						ribosomal-protein-serine acetyltransferase, putative	Protein synthesis	Ribosomal proteins: synthesis and modification	-1.65	-2.23	-2.41	-3.02
WANO14GCVJ_at	1126.1	80.0	562.5	658.0	695.7	SA1238	SA1067	SAR1200	SAS1158	SAV1224	MW1129	rpmB	ribosomal protein L28	Protein synthesis	Ribosomal proteins: synthesis and modification	-1.41	-2.00	-1.71	-1.62
WANO14H4CJ_at	32.5	18.9	7.9	8.1	14.8	SA0285	SA0707	SAR0806	SAS0717	SAV0752	MW0714		ribosomal subunit interface protein	Protein synthesis	Translation factors	-1.72	-4.13	-3.59	-2.19
WANO14H4D_at	86.4	40.8	18.0	15.0	14.3	SA1622	SA1394	SAR1642	SAS1503	SAV1565	MW1517	gylS	glycyl-IRNA synthetase	Protein synthesis	RNA aminoacylation	-2.42	-2.61	-2.87	-2.93
WANO14FTX_at	6.5	5.1	1.7	1.5	1.9	SA1290	SA1114	SAR1247	SAS1205	SAV1271	MW1154	trbB	IRNA pseudouridine 55 synthase	Protein synthesis	IRNA and RNA base modification	-5.18	-3.19	-3.56	-2.87
WANO14G9T_at	20.0	19.8	5.2	3.6	2.8	SA2635	SA2410	SAR2695	SAS2593	SAV2817	MW2537	nrdD	2'-deoxyribonucleotide metabolism	Protein synthesis	2-Deoxyribonucleotide metabolism	-3.66	-3.84	-5.52	-7.11
WANO14G0Q_at	7.2	7.4	2.6	2.9	3.0	SA0024	SA0022						5-nucleotidase	Protein synthesis	Nucleotide and nucleoside interconversions	1.02	-2.72	-2.45	-2.40
WANO14HPG_at	5.3	5.8	2.6	2.3	2.5	SA1031	SA0881	SAR0994	SAS0957	SAV1025	MW0895		2, 3'-cyclic-nucleotide 2'-phosphodiesterase, putative	Protein synthesis	Other	1.09	-2.02	-2.36	-2.13
WANO14GVY_at	45.7	110.7	10.5	12.4	15.5	SA0460	SA0375	SAR0408	SAS0386	SAV0390	MW0386	guaB	inosine-5-monophosphate dehydrogenase	Protein synthesis	Purine ribonucleotide biosynthesis	2.42	-4.35	-3.70	-2.95
WANO14G0Z2_at	57.5	109.9	15.4	15.3	17.9	SA0461	SA0376	SAR0409	SAS0387	SAV0391	MW0387	guaA	GMP synthase	Protein synthesis	Purine ribonucleotide biosynthesis	1.61	-3.02	-3.76	-3.21
WANO14GVU_at	13.4	66.9	2.9	4.2	5.2	SA0458	SA0373	SAR0406	SAS0384	SAV0388	MW0384	xprT	xanthine phosphoribosyltransferase	Protein synthesis	Salvage of nucleosides and nucleotides	5.00	-4.59	-3.15	-2.59
WANO14I08_at	21.3	14.3																	

Systematic	Stat.	Loc	30'	120'	360'	COL	N315	MRSa	MSSA	Mu50	MW2	GENE NAME	Protein Function	TIGR Main Role	TIGR Sub Role	Fold change vs stationary phase				
																LB	30' in vivo	120' in vivo	360' in vivo	
WANO14HE4_at	8.5	5.0	2.4	3.1	3.2	SA1740	SA1516	SAR1772	SAS1621	SAV1693	MW1637	phoP	DNA-binding response regulator	Signal transduction	Two-component systems	-1.72	-3.51	-2.76	-2.61	
WANO14CKR_at	10.8	19.7	3.5	4.1	3.5	SA0245	SA0250	SAR0257	SAS0237	SAV0260	MW0236	lysI	sensor histidine kinase	Signal transduction	Two-component systems	1.82	-3.07	-2.64	-3.05	
WANO14GVY_x_at	8.8	8.1	3.3	3.4	3.5	SA0019	SA0018	SAR0019	SAS0018	SAV0018	MW0018	yyfC	DNA-binding response regulator	Signal transduction	Two-component systems	-1.01	-2.72	-2.64	-2.52	
WANO14H05_at	6.9	5.5	3.0	2.9	2.8	SA1906	SA1667	SAR1940	SAS1770	SAV1949	MW1790	yyfC	sensor histidine kinase, putative	Signal transduction	Two-component systems	-1.26	-2.26	-2.42	-2.48	
WANO14G8A_at	2.3	2.7	1.0	1.1	1.2	SA2358	SA2151	SAR2447	SAS2252	SAV2361	MW2282		DNA-binding response regulator	Signal transduction	Two-component systems	1.20	-2.19	-2.01	-1.97	
WANO14GN3_at	18.9	23.6	8.7	8.8	6.0	SA0020	SA0018	SAR0019	SAS0019	SAV0019	MW0019	yyeC	sensor histidine kinase	Signal transduction	Two-component systems	1.25	-2.18	-2.79	-3.17	
WANO14HX_at	7.2	7.5	3.4	2.7	1.9	SA0717	SA0815	SAR0717	SAS0625	SAV0660	MW0622		sensor histidine kinase	Signal transduction	Two-component systems	1.03	-2.16	-2.68	-3.81	
WANO14G4T_at	2.4	2.0	1.1	1.1	1.2	SA2071	SA1883	SAR2167	SAS1984	SAV2079	MW2003	kdpE	DNA-binding response regulator	Signal transduction	Two-component systems	-1.16	-2.13	-2.20	-1.92	
WANO14GVZ_at	146.1	17.8	66.2	36.2	30.8	SA0540	SA0455	SAR0455	SAS0454	SAV0497	MW0452		endonuclease II-PSP, putative	Transcription	Degradation of RNA	-8.22	-2.21	-4.04	-4.75	
WANO14G1Y_at	86.3	7.5	30.5	17.9	19.2	SA1941	SA1699	SAR1973	SAS1805	SAV1953	MW1923		ribonuclease DN, putative	Transcription	RNA processing	-8.87	-2.17	-3.71	-3.46	
WANO14GBI_at	11.3	19.9	1.5	1.8	2.1	SA2441	SA2227	SAR2528	SAS2330	SAV2438	MW2362		amino acid permease	Transport and binding proteins	Amino acids, peptides and amines	1.76	-7.75	-6.33	-5.36	
WANO14GZP_at	29.5	7.5	4.0	3.1	3.7	SA1476	SA1270	SAR1449	SAS1380	SAV1437	MW1326		amino acid permease	Transport and binding proteins	Amino acids, peptides and amines	-3.96	-7.44	-6.65	-8.00	
WANO14G0K_at	12.1	36.2	3.3	2.2	1.8	SA2450	SA2234	SAR2535	SAS2337	SAV2445	MW2369	opuCD	amino acid ABC transporter, permease protein	Transport and binding proteins	Amino acids, peptides and amines	3.00	-3.64	-5.55	-6.84	
WANO14H0C_at	12.8	1.7	3.9	3.1	3.9	SA1728	SA1595	SAR1761	SAS1610	SAV1691	MW1625	lypP	amino acid transporter, putative	Transport and binding proteins	Amino acids, peptides and amines	-3.52	-4.11	-4.77	-4.77	
WANO14G0N_at	3.5	12.0	1.1	0.7	1.3	SA2451	SA2235	SAR2536	SAS2338	SAV2446	MW2370	opuCC	amino acid transporter, putative	Transport and binding proteins	Amino acids, peptides and amines	3.42	-3.17	-4.72	-2.71	
WANO14G0R_at	2.2	8.9	0.7	0.8	0.8	SA2453	SA2237	SAR2538	SAS2340	SAV2448	MW2372	opuCA	amino acid ABC transporter, ATP-binding protein	Transport and binding proteins	Amino acids, peptides and amines	4.02	-3.00	-2.84	-2.76	
WANO14G2C_at	54.4	26.1	25.6	27.1	23.5	SA1963	SA1718	SAR1984	SAS1825	SAV1952	MW1943	puIP	proline permease	Transport and binding proteins	Amino acids, peptides and amines	-1.22	-2.08	-2.12	-2.31	
WANO14H41_at	9.0	7.4	3.3	2.6	2.6	SA0750	SA0645	SAR0743	SAS0655	SAV0690	MW0652		anion transporter family protein	Transport and binding proteins	Anions	-1.22	-2.72	-3.50	-3.47	
WANO14G6Z_at	99.4	27.2	2.1	2.1	2.8	SA0178	SA0186	SAR0193	SAS0167	SAV0192	MW0166		PTS system component	Transport and binding proteins	Carbohydrates, organic alcohols, and acids	3.65	-48.11	-46.80	-35.64	
WANO14BXT_at	6.4	6.5	1.1	1.1	1.6								phosphotransferase system enzyme II .	glucose-specific, factor IIB	Transport and binding proteins	Carbohydrates, organic alcohols, and acids	-1.01	-5.73	-5.80	-3.98
WANO14G2F_at	9.6	85.1	1.8	1.8	1.9	SA0516	SA0432	SAR0473	SAS0431	SAV0474	MW0428	trpP	PTS system component	Transport and binding proteins	Carbohydrates, organic alcohols, and acids	0.88	-5.31	-5.21	-5.15	
WANO14G5W_at	8.5	1.1	2.1	1.4	2.6	SA2148	SA1962	SAR2246	SAS2059	SAV2158	MW2084	mlpA	PTS system, mannitol-specific component	Transport and binding proteins	Carbohydrates, organic alcohols, and acids	-7.80	-4.06	-5.89	-3.27	
WANO14G4Z_at	6.5	5.7	1.7	2.0	2.4	SA2514	SA2293	SAR2582	SAS2390	SAV2505	MW2423		GnpP family permease	Transport and binding proteins	Carbohydrates, organic alcohols, and acids	-1.16	-3.83	-3.34	-2.75	
WANO14H0D_at	90.4	37.1	33.1	28.4	27.1	SA0393	SA0106	SAR0113	SAS0394	SAV0110	MW0393	lcpP	L-lactate permease	Transport and binding proteins	Carbohydrates, organic alcohols, and acids	-3.22	-2.44	-2.73	-3.10	
WANO14FV8_at	7.8	8.4	2.9	1.9	2.6	SA2316	SA2114	SAR2408	SAS2216	SAV2323	MW2244	gHcC	PTS system component	Transport and binding proteins	Carbohydrates, organic alcohols, and acids	1.07	-2.70	-4.05	-3.00	
WANO14G7F_at	2.5	1.9	1.0	1.2	1.2	SA0194	SA0208	SAR0207	SAS0191	SAV0215	MW0191	malF	maltose ABC transporter, permease protein	Transport and binding proteins	Carbohydrates, organic alcohols, and acids	-1.30	-2.56	-2.07	-2.00	
WANO14FV6_at	6.2	23.1	2.7	3.5	4.2	SA0400	SA0318	SAR0326	SAS0306	SAV0329	MW0306	sgaT	SgaT protein, putative	Transport and binding proteins	Carbohydrates, organic alcohols, and acids	3.73	-2.27	-1.79	-1.47	
WANO14H0E_at	208.7	195.4	138.3	13.3	19.2	SA0155	SA0163	SAR0163	SAS0155	SAV0163	MW0163	pttH	PTS system, fructose-specific IABC component	Transport and binding proteins	Carbohydrates, organic alcohols, and acids	-1.00	-2.98	-2.42	-2.33	
WANO14G0V_at	6.7	31.3	3.2	5.0	7.6	SA2434	SA2434	SAR2720	SAS2527	SAV2641	MW2562		PTS system, fructose-specific IABC component	Transport and binding proteins	Carbohydrates, organic alcohols, and acids	-4.64	-2.08	-1.34	1.13	
WANO14GFL_at	0.8	0.6	0.4	0.9	0.9	SA0195	SA0209	SAR0208	SAS0192	SAV0216	MW0192	malG	maltose ABC transporter, permease protein	Transport and binding proteins	Carbohydrates, organic alcohols, and acids	-1.42	-2.06	-2.62	1.08	
WANO14H7D_at	45.3	14.9	8.2	7.2	8.1	SA1975	SA1732	SAR2009	SAS1840	SAV1916	MW1957		sodium-dependent transporter	Transport and binding proteins	Cations	-3.04	-3.74	-6.32	-5.57	
WANO14FZ2_s_at	6.2	2.8	1.4	1.3	2.0	SA0155	SA0163	SAR0170	SAS0143	SAV0168	MW0143		cation efflux family protein	Transport and binding proteins	Cations	4.01	-2.17	-4.27	-3.10	
WANO14GFI_at	16.2	3.5	3.9	2.8	2.6	SA2721	SA2489	SAR2778	SAS2582	SAV2688	MW2617	ureH	high affinity nickel transporter	Transport and binding proteins	Cations	-4.64	-4.17	-5.83	-6.18	
WANO14H74_at	38.4	4.0	10.8	5.6	8.8	SA0685	SA0583	SAR0635	SAS0594	SAV0627	MW0596		Na+/H+ antiporter component	Transport and binding proteins	Cations	-9.59	-3.54	-6.91	-4.37	
WANO14MIV_at	15.0	2.5	4.4	3.3	4.9	SA0080	SA0079	SAR0081	SAS0080	SAV0023	MW0080		Na+/H+ antiporter component	Transport and binding proteins	Cations	-4.56	-2.41	-4.52	-3.02	
WANO14H1L_at	3.6	38.8	1.1	2.0	3.8	SA0311	SA0303	SAR0311	SAS0291	SAV0314	MW0291		sodium:solute symporter family protein	Transport and binding proteins	Cations	10.79	-3.34	-1.80	1.06	
WANO14H76_at	27.2	2.8	8.2	4.2	6.3	SA0686	SA0584	SAR0585	SAS0595	SAV0628	MW0591		Na+/H+ antiporter component	Transport and binding proteins	Cations	-9.73	-3.32	-6.42	-4.29	
WANO14G0J_at	26.6	68.3	8.1	6.6	8.1	SA1114	SA0956	SAR1079	SAS1040	SAV1105	MW0988		Mg2+/Fe2+ transporter, NRAMP family	Transport and binding proteins	Cations	2.67	-3.30	-4.36	-4.04	
WANO14H0Z_at	19.3	1.9	4.1	1.8	4.9	SA0692	SA0581	SAR0633	SAS0692	SAV0625	MW0598		Na+/H+ antiporter component	Transport and binding proteins	Cations	-4.93	-3.22	-4.77	-2.72	
WANO14H72_at	5.7	1.2	1.9	1.2	2.2	SA0684	SA0582	SAR0634	SAS0593	SAV0626	MW0589		Na+/H+ antiporter component	Transport and binding proteins	Cations	-4.75	-3.03	-4.78	-2.65	
WANO14MIV_at	5.4	0.9	1.9	1.5	2.8	SA0681	SA0580	SAR0632	SAS0591	SAV0624	MW0587		Na+/H+ antiporter component	Transport and binding proteins	Cations	-5.72	-2.82	-3.68	-1.95	
WANO14H70_at	51.3	26.3	15.4	25.2	18.1	SA0687	SA0586	SAR0637	SAS0596	SAV0629	MW0592		Na+/H+ antiporter	Transport and binding proteins	Cations	-4.80	-2.69	-3.33	-2.21	
WANO14CS2T_at	7.8	11.6	3.1	3.2	3.1	#N/A							molibdate-binding protein	Transport and binding proteins	Cations	1.48	-2.50	-2.41	-2.51	
WANO14FWT_at	14.8	5.3	6.1	6.5	7.8	SA2292	SA2094	SAR2385	SAS2191	SAV2301	MW2219		Na+/H+ antiporter	Transport and binding proteins	Cations	-2.80	-2.42	-2.29	-1.89	
WANO14H1V_at	3.2	5.3	1.4	1.1	1.6	SA2272	SA2074	SAR2074	SAS2074	SAV2074	MW2074	moaA	molybdenum ABC transporter, molybdenum-binding protein	Transport and binding proteins	Cations	1.86	-2.32	-2.87	-1.99	
WANO14GRB_at	82.0	72.4	23.6	26.9	22.4	SA0955	SA0913	SAR0914	SAS0822	SAV0952	MW0934	mnhA	Na+/H+ antiporter, MnhA component	Transport and binding proteins	Cations	-2.40	-2.20	-1.93	-1.77	
WANO14GRB_at	8.2	10.0	3.8	3.6	3.1	SA0953	SA0811	SAR0912	SAS0820	SAV0950	MW0832	mnhC	Na+/H+ antiporter, MnhC component	Transport and binding proteins	Cations	1.21	-2.18	-2.27	-2.67	
WANO14GTM_at	2.3	3.2	1.1	1.2	1.6	SA1084	SA0027	SAR1049	SAS1011	SAV1075	MW0958	cbiQ	cobalt transport family protein	Transport and binding proteins	Cations	1.38	-2.16	-1.84	-1.40	
WANO14FR5_at	10.5	4.1	1.8	1.6	1.8	SA0170	SA0168	SAR0170	SAS0143	SAV0168	MW0143	efflux	cation-efflux system membrane protein CzeD	Transport and binding proteins	Cations and iron carrying compounds	1.01	-2.17	-2.67	-3.02	
WANO14G26_at	41.8	53.9	11.8	18.5	18.5	SA1962	SA1709	SAR1984	SAS1815	SAV1993	MW1934		ferritin family protein	Transport and binding proteins	Cations and iron carrying compounds	3.29	-3.64	-2.27	-2.26	
WANO14H8D_at	2.3	2.6	0.8	0.8	0.8	SA0657	SA0657	SAR0619	SAS0578	SAV0610	MW0634	fecCD	iron compound ABC transporter, permease protein	Transport and binding proteins	Cations and iron carrying compounds	1.15	-2.93	-2.83	-2.70	
WANO14HEA_at	4.5	9.1	2.0	2.4	2.5	SA0689	SA0566	SAR0618	SAS0577	SAV0609	MW0573		iron compound ABC transporter, substrate-binding protein, putative	Transport and binding proteins	Cations and iron carrying compounds	2.01	-2.28	-1.85	-1.82	
WANO14H6A_at	27.9	13.3	1.9	1.8	2.0	SA0203	SA0203	SAR0216	SAS0203	SAV0203	MW0203	afuA	ABC transporter, substrate-binding protein, putative	Transport and binding proteins	Cations and iron carrying compounds	-1.00	-2.69	-3.33	-2.21	
WANO14GVX_at	4.9	131.8	7.1	10.5	9.4	SA0459	SA0374	SAR0407	SAS0365	SAV0389	MW0365	puX	xanthine permease	Transport and binding proteins	Nucleosides, purines and pyrimidines	4.73	-3.91	-2.65	-2.86	
WANO14H80_at	99.1	78.1	18.0	38.4	39.5	SA1319	SA1140	SAR1274	SAS1232	SAV1300	MW1182	glpF	glycerol uptake facilitator protein	Transport and binding proteins	Other	-1.27	-5.51	-2.58	-2.51	
WANO14G2M_at	8.0	3.5	1.7	1.8	2.8	SA1475	SA1269	SAR1448	SAS1379	SAV1436	MW1325		drug transporter, putative	Transport and binding proteins	Other	-2.30	-4.82	-4.56	-2.91	
WANO14GPI_at	24.9	23.7	0.9	1.9	1.8	SA0294	SA0294	SAR0294	SAS0294	SAV0294	MW0294		acid							

Systematic	Stat.	Loc	30'	120'	360'	COL	N315	MRSa	MSSA	Mu50	MW2	GENE NAME	Protein Function	TIGR Main Role	TIGR Sub Role	Fold change vs stationary phase			
																LB	30' in vivo	120' in vivo	360' in vivo
WANO14HNH_at	81.4	15.3	16.9	17.4	35.3	SA0111	SA0122	SAR0129	SAS0101	SAV0126	MW0100	butA	oxidoreductase, short-chain dehydrogenase/reductase family	Unknown function	Enzymes of unknown specificity	-5.33	-4.82	-4.67	-2.31
WANO14G3G_at	16.8	8.3	3.9	4.3	4.0	SA2021	SA1841	SAR2121	SAS1940	SAV2034	MW1958	gph	carbon-nitrogen hydrolase family protein	Unknown function	Enzymes of unknown specificity	-2.02	-4.28	-3.92	-4.25
WANO14H3A_at	7.2	11.3	1.9	1.7	2.3	SA0002	SA0513	SAR0560	SAS0513	SAV0555	MW0510		hydrolase, haloacid dehalogenase-like family	Unknown function	Enzymes of unknown specificity	1.56	-3.71	-4.32	-3.21
WANO14H1L_at	5.2	4.8	1.5	1.5	2.4	SA0569	SA0482	SAR0527	SAS0481	SAV0524	MW0479		ATP-guanido phosphotransferase family protein	Unknown function	Enzymes of unknown specificity	-1.09	-3.50	-3.38	-2.19
WANO14G6U_at	6.5	1.2	1.9	1.3	1.8	SA0399	SA0317	SAR0325	SAS0305	SAV0328	MW0305		oxidoreductase, putative	Unknown function	Enzymes of unknown specificity	-5.42	-3.46	-5.03	-3.62
WANO14H6E_at	2.7	2.8	0.8	0.9		SA0867	SA0568	SAR0620	SAS0579	SAV0611	MW0575		hydrolase, putative	Unknown function	Enzymes of unknown specificity	1.03	-3.45	-2.90	
WANO14H4J_at	2.2	2.1	0.7	0.6		SA1048	SA0893	SAR1014	SAS0976	SAV1040			acetyltransferase, GNAT family	Unknown function	Enzymes of unknown specificity	-1.07	-3.29	-3.86	
WANO14H4O_at	6.0	6.8	2.0	1.9	1.6	SA0655	SA0557	SAR0608	SAS0568	SAV0600	MW0563		oxidoreductase, aldo/keto reductase 2 family	Unknown function	Enzymes of unknown specificity	1.14	-3.01	-3.05	-3.70
WANO14H3E_at	4.5	5.0	1.5	1.5	1.5	SA0606	SA0517	SAR0564	SAS0517	SAV0559	MW0514		hydrolase, haloacid dehalogenase-like family	Unknown function	Enzymes of unknown specificity	1.10	-2.97	-2.95	-3.05
WANO14H9O_at	3.6	0.8	1.2	1.0	1.0	SA0739	SA0634	SAR0732	SAS0644	SAV0679	MW0641		acetyltransferase, GNAT family	Unknown function	Enzymes of unknown specificity	-4.38	-2.95	-3.72	-3.49
WANO14F4U_at	14.0	3.5	4.9	3.1	4.1	SA2293	SA2095	SAR2386	SAS2192	SAV2302	MW2220		NAD/NADP octopine/nopaline dehydrogenase family protein	Unknown function	Enzymes of unknown specificity	-3.99	-2.84	-4.58	-3.44
WANO14H8I_at	2.5	2.7	0.9	0.8	0.9	SA0668	SA0569	SAR0621	SAS0580	SAV0612	MW0576		hydrolase, alpha/beta fold family	Unknown function	Enzymes of unknown specificity	1.05	-2.78	-3.11	-2.76
WANO14G75_at	6.9	2.9	2.5	1.7	2.4	SA2575	SA2347	SAR2641	SAS2446	SAV2580	MW2481		aminotransferase, class I	Unknown function	Enzymes of unknown specificity	-2.37	-2.78	-4.03	-2.92
WANO14H9B_at	4.2	5.5	1.5	1.3	1.9	SA1945	SA1333	SAR1578	SAS1442	SAV1502	MW1456		oxidoreductase, short-chain dehydrogenase/reductase family	Unknown function	Enzymes of unknown specificity	1.30	-2.75	-3.20	-2.26
WANO14G6V_at	13.3	3.7	4.9	4.8	4.3	SA1189	SA1019	SAR1152	SAS1110	SAV1176	MW1059		acetyltransferase, GNAT family	Unknown function	Enzymes of unknown specificity	-3.57	-2.74	-2.76	-3.12
WANO14G6B_at	1.7	1.4	0.7	0.8		SA0197	SA0211	SAR0210	SAS0194	SAV0218	MW0194		oxidoreductase, GlcIidh/MocA family	Unknown function	Enzymes of unknown specificity	-1.20	-2.62	-2.23	
WANO14G0Q_at	30.1	18.1	11.8	6.0	7.4	SA2532	SA2309	SAR2601	SAS2406	SAV2521	MW2441		acetyltransferase, GNAT family	Unknown function	Enzymes of unknown specificity	-1.66	-2.55	-5.02	-4.08
WANO14G6L_at	6.6	7.4	2.7	3.0	2.4	SA2245	SA2052	SAR2340	SAS2146	SAV2255	MW1274		acetyltransferase, GNAT family	Unknown function	Enzymes of unknown specificity	1.11	-2.47	-2.18	-2.70
WANO14HD9_at	11.2	10.5	4.7	3.9	3.7	SA0827	SA0717	SAR0816	SAS0727	SAV0762	MW0724		acetyltransferase, putative	Unknown function	Enzymes of unknown specificity	-1.07	-2.40	-2.86	-3.05
WANO14GMM_at	23.8	6.0	10.1	6.6	7.0	SA2368		SAR2460					acetyltransferase, GNAT family	Unknown function	Enzymes of unknown specificity	-3.94	-2.35	-3.60	-3.38
WANO14FUJ_at	2.9	1.8	1.3	1.1	1.3	SA2303	SA2104	SAR2395	SAS2203	SAV2311	MW2231		inositol monophosphatase family protein	Unknown function	Enzymes of unknown specificity	-1.60	-2.27	-2.61	-2.27
WANO14G2Z_at	8.0	6.5	3.8	3.0	3.5	SA2488	SA2266						oxidoreductase, short-chain dehydrogenase/reductase family	Unknown function	Enzymes of unknown specificity	-1.24	-2.13	-2.70	-2.27
WANO14H7J_at	19.2	18.1	9.2	7.2	8.1	SA1625	SA1397	SAR1645	SAS1506	SAV1568	MW1520	cdd	cytidine and deoxycytidylate deaminase family protein	Unknown function	Enzymes of unknown specificity	-1.06	-2.09	-2.69	-2.38
WANO14HJT_at	6.7	6.0	3.3	2.4	2.3	SA1835	SA1606	SAR1868	SAS1709	SAV1788	MW1726		oxidoreductase, aldo/keto reductase family	Unknown function	Enzymes of unknown specificity	-1.13	-2.05	-2.84	-2.92
WANO14H6P_at	8.1	4.0	2.6	4.1		SA0671	SA0572	SAR0624	SAS0583	SAV0615	MW0579		hydrolase, alpha/beta fold family	Unknown function	Enzymes of unknown specificity	2.02	-3.14	-1.98	
WANO14HYD_at	3.2	2.3	1.6	1.3	1.9	SA1188	SA1018	SAR1151	SAS1109	SAV1175	MW1058		hydrolase, haloacid dehalogenase-like family	Unknown function	Enzymes of unknown specificity	-1.37	-1.99	-2.46	-1.65
WANO14H0Z_at	40.6	13.5	4.2	3.7	5.3	SA2660	SA2431		SA2524	SAV2638	MW2559	isaB	immunodominant antigen B	Unknown function	General	-3.02	-6.55	-10.91	-7.70
WANO14G2S_at	16.3	0.8	2.8	2.0	3.0	SA2464	SA2262	SAR2561	SAS2365	SAV2474	MW2398		allylhydroperoxidase, AhpD family	Unknown function	General	-20.07	-6.83	-8.22	-5.45
WANO14G2P_at	3.4	6.0	0.6	0.5	1.2	SA0313	SA0305	SAR0313	SAS0293	SAV0316	MW0293		RCK family protein	Unknown function	General	1.77	-5.27	-6.32	-2.90
WANO14H2Q_at	110.8	14.3	21.9	14.5	16.1	SA1933	SA1692	SAR1965	SAS1797	SAV1875	MW1815		ThiJ/PilP family protein	Unknown function	General	-7.73	-6.06	-7.64	-6.88
WANO14H9V_at	6.1	1.8	1.5	1.4	1.4	SA0410	SA0328		SA50316	SAV0340	MW0316		FMN reductase-related protein	Unknown function	General	-3.42	-4.10	-4.34	-4.24
WANO14G6U_at	3.5	1.0	1.0	1.0	1.3	SA0408	SA0326	SAR0334	SA50314	SAV0538	MW0514		glyoxalase family protein	Unknown function	General	-3.68	-3.65	-3.41	-2.77
WANO14H3T_at	105.8	42.6	29.5	20.3	30.1	SA0618	SA0529	SAR0575	SAS0529	SAV0571	MW0526		SIS domain protein	Unknown function	General	-2.48	-3.59	-5.21	-3.52
WANO14G8E_at	4.7	4.4	1.4	1.1	1.5	SA2602	SA2372						chromosome assembly protein homolog, putative	Unknown function	General	-1.06	-3.33	-4.29	-3.06
WANO14H4G_at	4.1	1.3	1.4	0.9	1.2	SA0921	SA0780	SAR0882	SAS0790	SAV0919	MW0802		hemolysin, putative	Unknown function	General	-3.13	-2.93	-4.54	-3.44
WANO14H4H_at	3.0	4.3	1.1	1.2	1.1	SA0931	SA0790	SAR0891	SAS0799	SAV0929	MW0811	pho2	p-nitrophenyl phosphatase	Unknown function	General	-1.42	-2.63	-2.47	-2.76
WANO14H7S_at	6.7	4.1	2.7	2.3	2.6	SA1628	SA1400	SAR1648	SAS1509	SAV1571	MW1523	phoH	PhoH family protein	Unknown function	General	-1.63	-2.46	-2.91	-2.54
WANO14G4F_at	53.6	44.3	22.5	17.5	19.9	SA2866	SA2437	SAR2723	SAS2530	SAV2844	MW2565		N-acetylmuramoyl-L-alanine amidase domain protein	Unknown function	General	-1.21	-2.39	-3.07	-2.89
WANO14G0U_at	2.2	1.6	0.9	1.1	1.3	SA1894	SA1656	SAR1929	SAS1759	SAV1836	MW1778		HIT family protein	Unknown function	General	-1.32	-2.38	-2.04	-1.62
WANO14H5S_at	2.2	3.7	0.9	1.0	1.1	SA0657	SA0559	SAR0610	SAS0570	SAV0602	MW0565		protease synthase and sporulation negative regulatory protein pai 1, putative	Unknown function	General	1.66	-2.36	-2.14	-1.95
WANO14H6J_at	2.0	1.6	0.9	0.8	0.8	SA1607	SA1380	SAR1627	SAS1488	SAV1550	MW1502		5-formyltetrahydrofolate cyclo-ligase family protein	Unknown function	General	-1.27	-2.29	-2.43	-2.63
WANO14G2Z_at	11.6	10.5	5.1	3.9	4.3	SA1460	SA1258	SAR1438	SAS1388	SAV1425	MW1315	degV	degV family protein	Unknown function	General	-1.11	-2.28	-2.96	-2.69
WANO14H5V_at	9.4	15.0	4.2	3.5	3.8	SA0658	SA0600	SAR0611	SAS0571	SAV0603	MW0566		HD domain protein	Unknown function	General	1.59	-2.25	-2.71	-2.45
WANO14G0S_at	12.2	13.0	5.6	3.7	4.8	SA0022	SA0020	SAR0021	SAS0021	SAV0021	MW0021	yycI	yycI protein	Unknown function	General	1.06	-2.19	-3.33	-2.55
WANO14G2Z_at	10.8	15.8	5.1	25.2	23.0	SA0541	SA0436	SAR0499	SAS0465	SAV0498	MW0453	spoVG	stage V sporulation protein G	Unknown function	General	-6.75	-2.09	-4.23	-4.65
WANO14H4J_at	116.7	113.4	57.9	50.8	48.7	SA0977	SA0933	SAR0935	SAS0942	SAV0972	MW0954		mrp protein homolog	Unknown function	General	-1.03	-2.02	-2.30	-2.40