

Systematic	Stat.	Log	30'	120'	360'	COL	N315	MRSa	MSSA	Mu50	MW2	GENE	Protein Function	TIGR Main Role	TIGR Sub Role	Fold change vs stationary phase				
																LB	30' in vivo	120' in vivo	360' in vivo	
WANO14FVH_at	0.9	7.6	4.3	3.7	SA1407	SA1203	SAR1384	SAS1311	SAV1371	MW1258	trpF	N-(5-phosphoribosyl)-anthranilate isomerase	Amino acid biosynthesis							
WANO14FVU_at	1.9	2.2	4.4	1.9	SA1409	SA1205	SAR1386	SAS1313	SAV1373	MW1260	trpA	tryptophan synthase, alpha subunit	Amino acid biosynthesis				1.14	23.44	10.03	7.36
WANO14FVJ_at	1.4	23.3	10.7	8.9	SA1406	SA1204	SAR1385	SAS1312	SAV1372	MW1259	trpB	tryptophan synthase, beta subunit	Amino acid biosynthesis				-1.09	16.40	7.73	6.46
WANO14QVZ_at	1.4	1.6	3.6	3.4	SA0429	SA0345	SAR0354	SAS0333	SAV0357	MW0333	rnhE2	homocysteine S-methyltransferase	Amino acid biosynthesis				1.17	2.67	2.54	2.29
WANO14FWO_at	1.6	2.0	3.9	9.3	SA1428	SA1225	SAR1405	SAS1334	SAV1393	MW1281	lysC	aspartate kinase, nonfunctional class, putative	Amino acid biosynthesis				1.22	2.44	5.76	4.85
WANO14GZ4_at	2.5	3.9	5.8	5.2	SA0434	SA0344	SAR0353	SAS0332	SAV0356	MW0332	mseC	5-methyltetrahydropteroylglutamate-homocysteine methyltransferase	Amino acid biosynthesis				1.56	2.32	2.10	3.73
WANO14GRK_at	1.1	0.9	3.9	5.1	SA0964	SA0922	SAR0923	SA0931	SAV0961	MW0943	argG	argininosuccinate synthase	Amino acid biosynthesis							
WANO14GYD_at	3.0	1.6	281.8	236.8	SA0515	SA0431	SAR0472	SA0430	SAV0473	MW0427	gldB	glutamate synthase, small subunit	Amino acid biosynthesis							
WANO14GYA_at	2.3	7.7	116.1	114.9	SA0514	SA0430	SAR0471	SA0429	SAV0472	MW0426	gltI	glutamate synthase, large subunit	Amino acid biosynthesis				-1.85	93.27	78.39	34.96
WANO14GRH_at	1.1	1.1	7.7	10.9	SA0963	SA0921	SAR0922	SA0930	SAV0960	MW0942	argH	argininosuccinate lyase	Amino acid biosynthesis				-1.39	49.52	49.00	23.97
WANO14GDB_at			3.9	2.4	SA2702	SA2470	SAR2760	SA2563	SAV2876	MW2597	hisD	histidinol dehydrogenase	Amino acid biosynthesis				1.04	7.63	9.92	11.87
WANO14GD9_at			3.2	2.2	SA2701	SA2469	SAR2758	SA2561	SAV2876	MW2596	hisC2	histidinol-phosphate aminotransferase, putative	Amino acid biosynthesis							
WANO14GD7_at	1.1	8.4	5.5	2.6	SA2700	SA2468	SAR2757	SA2560	SAV2875	MW2595	hisB	imidazoleglycerol-phosphate dehydratase	Amino acid biosynthesis							
WANO14GD5_at			7.0	6.0	SA2699	SA2467	SAR2657	SA2560	SAV2875	MW2594	hisH	amidotransferase HisG	Amino acid biosynthesis							
WANO14IQ5_at	1.6	1.2	68.6	37.2	SA2696	SA2466	SAR2754	SA2567	SAV2872	MW2591	hisI	phosphoribosyl-ATP pyrophosphatase/phosphoribosyl-AMP cyclodextrase	Amino acid biosynthesis				-1.34	42.40	23.02	9.39
WANO14IDR_at	1.5	18.6	13.3	7.9	SA2697	SA2465	SAR2755	SA2568	SAV2873	MW2592	hisF	imidazoleglycerol phosphate synthase, cyclase subunit	Amino acid biosynthesis							
WANO14QD3_at	1.0	0.8	7.7	5.1	SA2698	SA2466	SAR2756	SA2569	SAV2874	MW2593	hisA	phosphoribosylformimino-5-aminoimidazole carboxamide ribotide isomerase	Amino acid biosynthesis				-1.13	8.11	5.32	2.37
WANO14GDF_at	1.3	4.1	2.7	1.6	SA2704	SA2472	SAR2762	SA2565	SAV2880	MW2599	hisZ	ATP phosphoribosyltransferase	Amino acid biosynthesis							
WANO14GDC_at	0.7	1.9	1.2	0.9	SA2703	SA2471	SAR2761	SA2564	SAV2879	MW2598	hisG	ATP phosphoribosyltransferase	Amino acid biosynthesis							
WANO14G4I_at			31.0	21.7	SA2049	SA1865	SAR2147	SA2195	SAV2060	MW1984	leuD	3-isopropylmalate dehydratase, small subunit	Amino acid biosynthesis							
WANO14G4J_at			29.1	24.7	SA2045	SA1861	SAR2143	SA2191	SAV2056	MW1980	ivC	ketol-acid reductoisomerase	Amino acid biosynthesis							
WANO14G4A_at	1.2	0.8	48.0	38.6	SA2048	SA1864	SAR2146	SA2194	SAV2059	MW1983	leuC	3-isopropylmalate dehydratase, large subunit	Amino acid biosynthesis							
WANO14G46_at	1.6	54.1	50.0	28.9	SA2046	SA1862	SAR2144	SA2192	SAV2057	MW1981	leuA	2-isopropylmalate synthase	Amino acid biosynthesis				-1.52	40.09	32.19	17.94
WANO14G4M_at	1.0	3.0	33.0	26.0	SA2050	SA1866	SAR2148	SA2196	SAV2061	MW1985	ivA	threonine dehydratase, biosynthetic, putative	Amino acid biosynthesis							
WANO14G4O_at	2.7	2.1	86.8	75.0	SA2043	SA1859	SAR2141	SA2193	SAV2054	MW1978	ivB	acetylacetyl synthase, large subunit, biosynthetic type	Amino acid biosynthesis				-1.29	31.68	27.71	16.14
WANO14G4I_at	1.3	0.9	33.5	32.7	SA2044	SA1860	SAR2145	SA2195	SAV2055	MW1979	ivN	acetylacetyl synthase, small subunit	Amino acid biosynthesis				-1.44	28.34	25.70	14.23
WANO14G4E_at	1.5	37.2	36.0	25.8	SA2047	SA1863	SAR2145	SA2193	SAV2058	MW1982	leuE	3-isopropylmalate dehydrogenase	Amino acid biosynthesis							
WANO14HQX_at	1.9	1.4	72.3	76.5	SA0939	SA0924	SAR0938	SA0935	SAV0937	MW0937	sdhD	3-hydroxybutyryl-CoA synthase	Amino acid biosynthesis				-2.71	24.38	23.61	16.89
WANO14FYQ_at	3.3	3.5	13.3	14.6	SA1772	SA1544	SAR1800	SA2169	SAV1723	MW1665	serC	aminotransferase, class V	Amino acid biosynthesis				1.07	4.02	4.42	3.07
WANO14FYS_at	5.2	7.1	19.3	19.3	SA1773	SA1545	SAR1801	SA2169	SAV1724	MW1666	serA	D-3-phosphoglycerate dehydrogenase	Amino acid biosynthesis				1.38	3.74	3.74	2.85
WANO14HQX_at	1.2	14.0	3.8	2.2	SA0033	SA0419	SAR0460	SA0418	SAV0460	MW0415	mseB	trans-sulfuration enzyme family protein	Amino acid biosynthesis				16.88	3.34	1.88	2.13
WANO14Q3D_at	1.8	2.4	4.7	4.3	SA0036	SA0423	SAR0461	SA0422	SAV0461	MW0416	mseA	trans-sulfuration enzyme family protein	Amino acid biosynthesis				1.37	2.66	2.46	2.10
WANO14HCA_at	3.9	8.2	22.0	11.6	SA1709	SA1487	SAR1742	SA2159	SAV1662	MW1606	folC	folypolyglutamate synthase	Biosynthesis of cofactors, prosthetic groups, and carriers				2.09	5.60	2.94	2.93
WANO14FY6_at	3.6	4.2	12.8	8.1	SA2396	SA2188	SAR1982	SA2183	SAV1991	MW1832	siRb	uroporphyrinogen III methylase SiRb, putative	Biosynthesis of cofactors, prosthetic groups, and carriers				1.19	3.57	2.24	1.47
WANO14H9E_at	3.4	2.4	3.9	3.2	SA1950	SA1707	SAR1982	SA2183	SAV1991	MW1832	coqQ	cytochrome c heme lyase	Biosynthesis of cofactors, prosthetic groups, and carriers				1.29	2.23	2.16	1.62
WANO14GXA_at	2.0	1.1	4.6	3.4	SA0491	SA0410	SAR0450	SA0408	SAV0450	MW0406	cofM	cobalamin synthesis protein, putative	Biosynthesis of cofactors, prosthetic groups, and carriers				-1.88	2.32	1.70	2.14
WANO14G83_at	0.8	0.9	1.6	1.4	SA2598	SA2368	SAR2662	SA2468	SAV2582	MW2502	cofN	cobalamin synthesis protein, putative	Biosynthesis of cofactors, prosthetic groups, and carriers				1.13	2.09	1.85	1.72
WANO14GSN_at	9.0	23.2	23.8	23.9	SA2597	SA2368	SAR2661	SA2468	SAV2581	MW2501	cofO	1,4-dihydroxy-2-naphthol octaprenyltransferase, putative	Biosynthesis of cofactors, prosthetic groups, and carriers				2.87	2.63	2.64	2.78
WANO14GDT_at	3.1	3.8	8.9	8.5	SA2599	SA2369	SAR2663	SA2469	SAV2583	MW2503	cofP	1,4-dihydroxy-2-naphthol octaprenyltransferase, putative	Biosynthesis of cofactors, prosthetic groups, and carriers				1.29	2.23	2.16	1.62
WANO14GDB_at	9.1	25.2	19.7	13.2	SA2616	SA2334	SAR2626	SA2432	SAV2546	MW2467	mvaS	hydroxymethylglutaryl-CoA synthase, putative	Biosynthesis of cofactors, prosthetic groups, and carriers				2.77	2.17	1.45	2.03
WANO14H9C_at	8.4	10.7	38.3	31.2	SA2122	SA1932	SAR2218	SA2203	SAV2130	MW2054	coaW	panthothenate kinase, putative	Biosynthesis of cofactors, prosthetic groups, and carriers				1.27	4.58	3.73	3.39
WANO14H2Z_at	1.1	5.4	11.7	7.4	SA2065	SA1898	SAR2184	SA2199	SAV2095	MW2065	panA	sedB protein, putative	Biosynthesis of cofactors, prosthetic groups, and carriers				1.29	3.17	2.46	3.08
WANO14H9F_at	1.0	2.0	2.6	2.6	SA2174	SA1537	SAR1793	SA2164	SAV1715	MW1658	ihl	thiazole biosynthesis protein Thl	Biosynthesis of cofactors, prosthetic groups, and carriers				2.00	2.62	2.72	2.20
WANO14GDB_at	2.9	1.5	132.4	97.5	SA2557	SA2332	SAR2624	SA2430	SAV2544	MW2465	similar to	CHAP domain protein	Cell envelope				3.27	45.50	33.52	29.93
WANO14GMS_at	36.7	71.8	301.8	293.2	SA0723	SA0620	SAR0675	SA0630	SAV0665	MW0627	similar to	LysM domain protein	Cell envelope				1.95	9.22	7.99	6.41
WANO14H2Y_at	1.4	1.4	4.5	3.7	SA1825	SA1593	SAR1857	SA2169	SAV1775	MW1715	similar to	LysM domain protein	Cell envelope				-1.01	2.62	2.64	2.42
WANO14H4J_at	3.5	8.0	19.2	15.7	SA1825	SA1593	SAR1857	SA2169	SAV1775	MW1715	similar to	N-acetylmuramyl-L-alanine amidase	Cell envelope				2.29	5.49	4.48	4.41
WANO14H4I_at	19.5	35.9	82.6	61.6	SA1791	SA0938	SAR0987	SA0985	SAV0935	MW0937	dlid	extramembranous protein	Cell envelope				1.84	4.23	3.16	2.92
WANO14H4K_at	16.1	35.8	61.2	53.3	SA2394	SA2188	SAR1982	SA2183	SAV1991	MW1832	dlid	extramembranous protein	Cell envelope				3.28	3.30	3.33	3.33
WANO14H4L_at	2.5	4.2	7.5	5.2	SA0797	SA0795	SAR0896	SA0804	SAV0834	MW0816	dicC	D-alanyl carrier protein	Cell envelope				1.68	3.01	2.11	1.90
WANO14G08_at	1.4	2.0	3.7	2.9	SA2446	SA2231	SAR2532	SA2334	SAV2442	MW2366	similar to	Nucleoside-diphosphate-sugar epimerase/dehydratase, putative	Cell envelope				1.41	2.55	2.03	3.11
WANO14G17_s_at	50.3	39.1	110.4	108.6	SA1062	trunca	SAR1026	SA0988	SAV1052	MW0936	atf	bifunctional autophagy precursor	Cell envelope				-1.29	2.19	2.16	1.64
WANO14H4I_at	1.4	1.4	4.5	3.7	SA1825	SA1593	SAR1857	SA2169	SAV1775	MW1715	similar to	LysM domain protein	Cell envelope				-1.42	2.68	1.98	1.64
WANO14H4J_at	19.5	35.9	82.6	61.6	SA1791	SA0938	SAR0987	SA0985	SAV0935	MW0937	dlid	extramembranous protein	Cell envelope				1.29	2.19	2.16	1.64
WANO14H4K_at	16.1	35.8	61.2	53.3	SA2394	SA2188	SAR1982	SA2183	SAV1991	MW1832	dlid	extramembranous protein	Cell envelope				-1.42	2.68	1.98	1.64
WANO14H4L_at	2.5	4.2	7.5	5.2	SA0797	SA0795	SAR0896	SA0804	SAV0834	MW0816	dicC	D-alanyl carrier protein	Cell envelope				1.29	2.19	2.16	1.64
WANO14G08_at	1.4	2.0	3.7	2.9	SA2446	SA2231	SAR2532	SA2334	SAV2442	MW2366	similar to	Nucleoside-diphosphate-sugar epimerase/dehydratase, putative	Cell envelope				1.42	2.68	1.98	1.64
WANO14G17_s_at	50.3	39.1	110.4	108.6	SA1062	trunca														

Systematic	Stat.	Loc	30'	120'	360'	COL	N315	MRSa	MSSA	Mu50	MW129	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
WANO1410I_at	63.3	29.7	61.1	48.1	48.9	SA1069	SAR1202	SAS1160	SAV1226	MW107			conserved hypothetical protein	Energy metabolism	Other	1.82	3.75	2.95	3.00
WANO14H4C_at	4.9	5.3	10.4	7.3	9.0	SA0805	SA0897	SAR0798	SA07072	MW0704			glycerate kinase family protein	Energy metabolism	Other	1.08	2.13	1.49	1.85
WANO14H4G_at	12.2	30.9	27.0	24.4	26.6	SA1071	SA1257	SAR1676	SAV1426	MW1479	accC		acyl-CoA carboxylase, biotin	Fatty acid and phospholipid metabolism	Biosynthesis	2.10	6.41	2.10	2.02
WANO14H4VH_at	5.3	16.3	78.1	80.0	85.2	SA1136	SA0975	SAR1100	SA01061	SAV1127	MW1009		conserved hypothetical protein	Hypothetical proteins	Conserved	3.06	14.70	15.05	16.03
WANO14HBR_at	29.4	64.0	253.4	243.7	324.6	SA1701	SA1472	SAR1726	SAS1582	SAV1644	MW1596		conserved hypothetical protein	Hypothetical proteins	Conserved	2.18	8.62	8.29	11.04
WANO14FTV_at	4.5	8.2	25.9	21.0	18.6	SA1380	SA1179	SAR1355	SAS1284	SAV1344	MW1231		conserved hypothetical protein	Hypothetical proteins	Conserved	1.81	5.71	4.64	4.11
WANO14H4T_at	4.1	5.5	22.9	24.1	17.3	SA0639	SA0550	SAR0599	SA05052	SAV0593	MW0548		conserved hypothetical protein	Hypothetical proteins	Conserved	1.35	5.68	5.80	4.23
WANO14G2D_at	1.3	1.8	6.7	7.5	5.9	SA2477	SA2256	SAR2555	SAS2359	SAV2468	MW2392		conserved hypothetical protein	Hypothetical proteins	Conserved	5.27	5.93	4.64	4.64
WANO14G2G_at	1.8	8.6	8.7	7.2	SA2478	SA2257	SAR2556	SAS2360	SAV2469	MW2393			conserved hypothetical protein	Hypothetical proteins	Conserved	4.67	4.74	4.76	3.99
WANO14G2J_at	2.5	7.0	10.5	9.6	9.7	SA0497	SAR0745	SA03657	SAV0592	MW0654			Membrane protein	Hypothetical proteins	Conserved	2.80	4.22	3.57	3.55
WANO14FXC_at	6.7	17.1	26.5	17.7	12.3	SA2371	SA2163	SAR2462	SAS2265	SAV2373	MW2295		conserved hypothetical protein	Hypothetical proteins	Conserved	2.53	3.93	2.62	1.82
WANO14GNJ_at	3.5	8.9	13.4	11.5	12.0	SA0752	SA0648	SAR0746	SA03658	SAV0693	MW0655		conserved hypothetical protein	Hypothetical proteins	Conserved	2.84	3.82	3.28	3.42
WANO14H4PH_at	4.7	5.8	15.4	12.2	11.7	SA1925	SA1894	SAR1957	SAS1189	SAV1967	MW1937		conserved hypothetical protein	Hypothetical proteins	Conserved	1.24	2.99	2.61	2.60
WANO14HF6_at	3.1	5.1	8.0	7.1	8.8	SA1763	SA1536	SAR1792	SAS1641	SAV1714	MW1657		conserved hypothetical protein	Hypothetical proteins	Conserved	1.61	2.55	2.25	2.80
WANO14GMZ_at	7.7	9.7	18.5	20.5	13.3			SAR2093	SAS1912	SAV1992	MW1929		conserved hypothetical protein	Hypothetical proteins	Conserved	1.26	2.41	2.66	1.73
WANO14H0X_at	3.6	5.7	8.0	8.0	6.4	SA1501	SA1294	SAR1472	SAS1404	SAV1451	MW1351		conserved hypothetical protein	Hypothetical proteins	Conserved	1.67	2.23	2.22	1.78
WANO14H28_at	12.3	8.0	27.0	26.1	26.0	SA1526	SA1316	SAR1453	SAS1425	SAV1485	MW1373		conserved hypothetical protein	Hypothetical proteins	Conserved	-1.54	2.19	2.11	2.11
WANO14FUX_at	4.0	14.1	8.2	8.8	8.8	SA2306	SA2106	SAR2397	SAS2206	SAV2313	MW2234		abortive infection protein family	Hypothetical proteins	Conserved	3.56	2.08	2.22	2.22
WANO14HWC_at	1.6	2.5	3.3	2.2	2.6	SA2052	SA1867	SAR2150	SAS1967	SAV2062	MW1986		sprt protein, putative	Hypothetical proteins	Conserved	1.85	2.06	1.40	1.67
WANO14H4E_at	4.7	9.8	9.4	7.8	11.1	SA1286	SA1110	SAR1243	SAS1201	SAV1267	MW1150		conserved hypothetical protein	Hypothetical proteins	Conserved	-1.24	2.02	1.68	2.38
WANO14HWC_at	0.9	0.9	6.5	8.4	10.0	SA2051							hypothetical protein	Hypothetical proteins	Not Conserved	-10.05	7.14	9.21	11.00
WANO14H0D_at	11.0	26.4	62.3	58.7	49.3	SA1482	SA1276	SAR1455	SAS1386	SAV1443	MW1332		hypothetical protein	Hypothetical proteins	Not Conserved	2.39	5.64	5.31	4.46
WANO14G2Y_at	1.3	1.4	6.5	6.1	2.5	SA2895							hypothetical protein	Hypothetical proteins	Not Conserved	6.5	4.93	4.61	1.88
WANO14BGT_at	7.7	8.5	30.1	28.6	19.9	SA2158	SA1971	SAR2259	SAS2069	SAV2167	MW2094	sePA	hypothetical protein	Hypothetical proteins	Not Conserved	1.10	3.90	3.70	2.58
WANO14IF6_at	5.1	8.9	15.2	15.8	11.9	SA1307	SA1130	SAR1264	SAS1222	SAV1288	MW1171		hypothetical protein	Hypothetical proteins	Not Conserved	1.75	2.98	3.10	2.33
WANO14BPBU_at	1.2	0.8	3.3	3.0	2.8	SA0674							hypothetical protein	Hypothetical proteins	Not Conserved	-1.44	2.85	2.63	2.39
WANO14BQD_at	17.6	17.6	47.5	47.5	63.3	SA2060							hypothetical protein	Hypothetical proteins	Not Conserved	-10.28	2.70	1.69	1.69
WANO14GNZ_at	3.4	3.9	8.0	7.1	6.6	SA0769	SA0664	SAR0762	SAS0674	SAV0709	MW0671		hypothetical protein	Hypothetical proteins	Not Conserved	1.16	2.35	2.08	1.94
WANO14FTR_at	5.2	12.5	12.1	11.7	12.5	SA1378	SA1178	SAR1353	SAS1283	SAV1343	MW1230		hypothetical protein	Hypothetical proteins	Not Conserved	2.40	2.31	2.25	2.38
WANO14HTT_at	37.7	73.8	85.4	101.0	66.6	SA2134	SA1944	SAR2230	SAS2045	SAV2142	MW2066		hypothetical protein	Hypothetical proteins	Not Conserved	1.96	2.27	2.68	1.77
WANO14FTT_at	1.4	1.4	6.5	7.5	7.5	SA1079							hypothetical protein	Hypothetical proteins	Not Conserved	2.58	2.23	2.58	2.33
WANO14GRO_at	1.4	1.8	3.0	3.0	3.5	SA0948	SA0806	SAR0907	SAS0815	SAV0945	MW0827		hypothetical protein	Hypothetical proteins	Not Conserved	-1.72	2.13	2.56	2.49
WANO14GL4_at	2.1	7.8	32.8	33.3	41.4	#N/A							hypothetical protein	Hypothetical proteins	Role category not yet assigned	3.68	15.41	15.66	19.46
WANO14H3B_at	17.7	17.7	48.5	48.5	18.2	#N/A							hypothetical protein	Hypothetical proteins	Role category not yet assigned	17.8	18.2	15.4	15.4
WANO14GQU x a	37.4	28.0	196.7	204.4	151.1	#N/A							hypothetical protein	Hypothetical proteins	Role category not yet assigned	-1.33	5.26	5.47	4.04
WANO14GLG_at	3.0	1.6	13.6	13.3	16.9	#N/A							hypothetical protein	Hypothetical proteins	Role category not yet assigned	-1.91	4.59	4.48	5.70
WANO14BUJL_at	2.3	2.7	8.0	8.5	2.3	#N/A							hypothetical protein	Hypothetical proteins	Role category not yet assigned	1.19	3.40	3.72	5.39
WANO14CTN_at	2.5	1.3	0.9	0.8	1.3					SAV1949			hypothetical protein	Hypothetical proteins	Role category not yet assigned	4.8	1.3	2.58	1.77
WANO14GPT_at	2.3	7.4	5.7	8.5	11.9	#N/A							hypothetical protein	Hypothetical proteins	Role category not yet assigned	3.28	2.53	3.77	5.30
WANO14GKZ_at	7.5	4.0	19.6	17.2	19.6	SA1756							truncated amidase-related protein	Mobile and extrachromosomal element functions	Prophage functions	-1.88	2.63	2.30	2.63
WANO14HF7_at	15.1	15.1	47.6	47.6	6.6	SA0750							transposase, degenerate	Mobile and extrachromosomal element functions	Transposon functions	2.5	2.50	2.63	1.61
WANO14FUU_at	2.9	7.9	6.4	5.2	4.5			SA0375		SAV2150	MW2074		hypothetical protein	Mobile and extrachromosomal element functions	No Data	2.74	2.21	1.80	1.58
WANO14H3D_at	10.7	26.4	32.1	27.0	27.4	SA1721	SA1498	SAR1754	SAS1603	SAV1674	MW1618	clpX	ATP-dependent Clp protease, ATP-binding subunit ClpX	Protein fate	Degradation of proteins, peptides, and glycopeptides	2.47	3.01	2.53	2.57
WANO14H9V_at	8.7	11.4	22.7	19.7	16.2	SA1867	SA1440	SAR1891	SAS1548	SAV1612	MW1562		peptidase, U32 family	Protein fate	Degradation of proteins, peptides, and glycopeptides	1.30	2.80	2.28	1.86
WANO14H9W_at	4.0	3.7	9.9	7.0	6.7	SA1668	SA1441	SAR1692	SAS1549	SAV1613	MW1563	pepU32	peptidase, U32 family	Protein fate	Degradation of proteins, peptides, and glycopeptides	6.18	2.41	1.73	1.68
WANO14H3W_at	4.3	11.0	9.4	9.5	11.9	SA1281	SA1105	SAR1238	SAS1196	SAV1262	MW1145		membrane-associated zinc metalloprotease, putative	Protein fate	Degradation of proteins, peptides, and glycopeptides	2.58	2.21	2.24	2.79
WANO14FTG_at	1.4	1.6	3.0	2.7	2.6	SA1373	SA1173	SAR1348	SAS1278	SAV1338	MW1225		SCP-like extracellular protein	Protein fate	Degradation of proteins, peptides, and glycopeptides	1.22	2.19	1.98	1.90
WANO14FMR_at	12.2	14.0	25.8	25.7	26.2	SA0885	SA0695	SAR0885	SAS0695	SAV0910	MW0910		protease, putative	Protein fate	Degradation of proteins, peptides, and glycopeptides	25.0	25.0	25.0	25.0
WANO14HKZ_at	10.0	22.3	41.0	28.8	26.5	SA0968	SA0825	SAR0926	SAS0834	SAV0964	MW0846	spSA	signal peptidase I	Protein fate	Protein and peptide secretion and trafficking	2.14	3.93	2.76	2.54
WANO14HL2_at	18.6	41.3	60.0	51.6	47.1	SA0969	SA0826	SAR0927	SAS0835	SAV0965	MW0847	spSB	signal peptidase I	Protein fate	Protein and peptide secretion and trafficking	2.22	3.22	2.77	2.52
WANO14H2Z_at	68.5	118.2	214.5	215.3	284.4	SA2219	SA2028	SAR2315	SAS2121	SAV2230	MW2149	secY	preproteins translocase, SecY subunit	Protein fate	Protein and peptide secretion and trafficking	7.73	3.13	3.14	4.15
WANO14H2J_at	1.1	1.1	17.7	17.7	17.7	SA1499	SA1169	SAR1755	SAS1604	SAV1675	MW1619	lig	ligase	Protein fate	Protein and peptide secretion and trafficking	18.3	14.4	24.9	23.9
WANO14H1R_at	3.7	8.2	9.3	10.9	10.2	SA0417	SA0334						MTB family protein	Protein fate	Protein and peptide secretion and trafficking	1.78	2.17	2.02	2.73
WANO14H8B_at	28.1	60.3	56.9	49.4	54.9	SA1692	SA1463	SAR1717	SAS1573	SAV1637	MW1637		protein-export membrane protein, SecDF family	Protein fate	Protein and peptide secretion and trafficking	2.14	2.02	1.75	1.95
WANO14H0L_at	17.7	12.6	47.5	35.3	29.1	SA2109	SA1919	SAR2205	SAS2020	SAV2117	MW2041		modification methylase, HemK family	Protein fate	Protein modification and repair	1.63	6.14	4.56	3.76
WANO14H4J_at	19.8	19.8	59.7	59.7	36.7	SA1067	SA0967	SAR1067	SAS0967	SAV1067	MW1067	def	glycopeptide deformylase	Protein fate	Protein modification and repair	2.40	2.45	2.45	2.45
WANO14H4I_at	15.7	16.1	33.2	23.9	46.5	SA0635	SA0546	SAR0595	SAS0548	SAV0589	MW0544		lipote-protein ligase A	Protein fate	Protein modification and repair	2.94	2.12	1.53	2.97
WANO14HEA_at	20.5	13.3	50.3	28.7	20.7	SA0947	SA0736	SAR0837	SA07047	SAV0873	mpbB		SerA-binding protein	Protein synthesis	Other	-1.55	2.45	1.40	1.01
WANO14HDC_at	9.6	16.2	180.1	153.2	135.3	SA1503	SAR1759	SAS1608	SAV1679	MW1623	rpmI		ribosomal protein L35	Protein synthesis	Ribosomal proteins: synthesis and modification	1.68	18.74	15.94	14.08
WANO14HDA_at	6.8	10.8	112.9	89.6	73.8	SA1725	SA1												

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
WANO14H29_at	50.3	84.9	194.6	163.2	187.1	SA0583	SA0495	SAR0542	SAS0495	SAV0537	MW0492	rPK	ribosomal protein L11	Protein synthesis	Ribosomal proteins: synthesis and modification	1.69	3.86	3.24	3.72
WANO14H8_at	24.6	57.3	90.0	86.2	93.0	SA2212	SA2022	SAR2308	SAS2114	SAV2223	MW2142	rPQ	ribosomal protein L17	Protein synthesis	Ribosomal proteins: synthesis and modification	2.34	3.66	2.70	3.79
WANO14H90_at	107.6	269.4	603.3	642.9	904.4	SA11700	SA1471	SAR1272	SAS1645	SAV1596	MW1596	rPnA	ribosomal protein L27	Protein synthesis	Ribosomal proteins: synthesis and modification	1.61	3.34	3.64	5.40
WANO14H95_at	17.3	36.2	52.7	45.1	63.1	SA2215	SA2025	SAR2311	SAS2117	SAV2226	MW2145	rPmJ	ribosomal protein L36	Protein synthesis	Ribosomal proteins: synthesis and modification	2.10	3.05	2.61	3.65
WANO14H96_at	69.5	147.6	210.4	173.3	285.9	SA2214	SA2024	SAR2310	SAS2116	SAV2225	MW2144	rPsk	ribosomal protein S11	Protein synthesis	Ribosomal proteins: synthesis and modification	2.12	3.03	2.49	4.11
WANO14F4U_at	43.3	11.2	12.5	11.1	14.6	SA1842	SA1414	SAR1863	SAS1523	SAV1586	MW1537	rPst	ribosomal protein S20	Protein synthesis	Ribosomal proteins: synthesis and modification	2.59	2.89	2.57	3.37
WANO14H94_at	3.9	8.8	10.5	11.1	13.2	SA1608	SA0047	SAR1628	SAS1489	SAV1551	MW1503	rPmC	ribosomal protein L33	Protein synthesis	Ribosomal proteins: synthesis and modification	2.25	2.67	2.84	3.38
WANO14G0M_at	1.6	4.6	9.3	6.6	5.8	SA0789	SA0883	SAR0782	SAS0693	SAV0728	MW0690		7-aminomethyl-7-carbaguanine:NADP+ oxidoreductase	Protein synthesis	RNA and RNA modification	2.97	5.94	4.19	3.73
WANO14HDE_at	5.6	6.9	77.4	71.0	79.0	SA1727	SA1504	SAR1760	SAS1609	SAV1628	MW1624	inFC	translation initiation factor IF-3	Protein synthesis	Translation factors	1.21	13.71	12.98	14.00
WANO14H4U_at	5.7	10.3	175.4	186.3	126.1	SA11918	SA0093	SAR1035	SAS1044	SAV1109	MW0692	tyPA	elongation factor Tu family	Protein synthesis	Translation factors	1.90	13.14	11.53	12.03
WANO14H2V_at	18.2	44.4	78.6	63.9	80.8	SA2217	SA2026	SAR2313	SAS2119	SAV2228	MW2147	inFA	translation initiation factor IF-1	Protein synthesis	Translation factors	2.44	4.32	3.51	4.44
WANO14H4ZU_at	80.7	173.0	285.0	285.4	383.4	SA0593	SA0505	SAR0552	SAS0505	SAV0547	MW0502	fusA	translation elongation factor G	Protein synthesis	Translation factors	2.15	3.53	3.54	4.75
WANO14H0N_at	5.5	8.1	16.4	13.0	10.7	SA2110	SA1920	SAR2206	SAS2021	SAV2118	MW2042	pPA	peptide chain release factor 1	Protein synthesis	Translation factors	1.47	2.97	2.35	1.93
WANO14H4E_at	36.1	29.5	82.9	84.2	72.6	SA1298	SA1192	SAR1245	SAS1203	SAV1289	MW1152	inFB	translation initiation factor IF-2	Protein synthesis	Translation factors	1.74	2.18	1.69	1.91
WANO14HAX_at	1.1	4.4	11.4	9.7	8.9	SA1686	SA1457	SAR1711	SAS1567	SAV1631	MW1581	hisS	hisidyl-tyrosine synthetase	Protein synthesis	RNA aminoacylation	3.96	10.33	8.84	8.11
WANO14HCD_at	7.4	16.7	50.5	36.5	26.7	SA1710	SA1488	SAR1743	SAS1592	SAV1663	MW1607	valS	valyl-tyrosine synthetase	Protein synthesis	RNA aminoacylation	2.26	6.82	4.93	3.47
WANO14H0I_at	5.1	2.7	7.5	6.3	8.3	SA1808	SA1579	SAR1643	SAS1684	SAV1750	MW1701	leuS	leucyl-tyrosine synthetase	Protein synthesis	RNA aminoacylation	5.15	4.94	3.42	2.99
WANO14BZZL_at	10.5	58.5	42.8	36.2	37.8			SAR1169	SAS1127	SAV1193	MW1076	ileS	isoleucyl-tyrosine synthetase	Protein synthesis	RNA aminoacylation	5.57	4.07	3.45	3.60
WANO14H2U_s_at	7.7	4.0	24.4	21.1	24.6	SA1206	SA1036	SAR1169	SAS1127	SAV1193	MW1076	ileS	isoleucyl-tyrosine synthetase	Protein synthesis	RNA aminoacylation	5.21	3.18	2.76	3.20
WANO14H3Y_at	4.8	12.2	11.1	9.9	10.6	SA1282	SA1106	SAR1239	SAS1197	SAV1263	MW1146	proS	prolyl-tyrosine synthetase	Protein synthesis	RNA aminoacylation	2.54	2.32	2.06	2.21
WANO14HFN_at	1.6	3.9	3.3	3.5	3.3	SA1778	SA1550	SAR1806	SAS1655	SAV1729	MW1071	tyrS	tyrosyl-tyrosine synthetase	Protein synthesis	RNA aminoacylation	2.51	2.41	2.06	2.14
WANO14GJG_at	7.7	12.0	11.0	99.8	94.5								RNA-Met	Protein synthesis	RNA and RNA base modification	1.55	13.17	10.91	12.22
WANO14H4I_at	52.5	64.6	585.5	617.8	479.4								RNA-Pro	Protein synthesis	RNA and RNA base modification	1.23	11.15	11.77	9.13
WANO14GJC_at	18.4	25.2	199.1	191.1	173.9								RNA-Cys	Protein synthesis	RNA and RNA base modification	1.90	13.14	10.41	3.48
WANO14H2R_at	12.2	60.0	116.4	128.5	122.3								RNA-Thr	Protein synthesis	RNA and RNA base modification	2.13	9.55	10.54	10.04
WANO14H2H_at	5.0	4.3	43.9	33.8	21.5	SA0587	SA0499	SAR0546	SAS0499	SAV0541	MW0496		Methyltransferase small domain	Protein synthesis	RNA and RNA base modification	-1.15	8.78	6.76	4.30
WANO14H9R_at	35.8	103.4	245.2	257.6	229.5								RNA-Lys	Protein synthesis	RNA and RNA base modification	2.89	6.86	7.20	6.42
WANO14H2I_at	11.8	2.7	11.8	8.3				SAR1216	SAS1174	SAV1240	MW1123		RNA-(guanine-N1)-methyltransferase	Protein synthesis	RNA and RNA base modification	1.83	3.54	3.46	4.21
WANO14H1T_x_at	60.9	80.3	383.4	409.7	443.7								RNA-Leu	Protein synthesis	RNA and RNA base modification	1.32	6.30	7.73	7.29
WANO14H02_at	1.9	2.6	11.1	7.9	8.0	SA1483	SA1277	SAR1456	SAS1387	SAV1444	MW1333		Putative RNA methylase family UFP0020	Protein synthesis	RNA and RNA base modification	1.41	5.91	4.18	4.23
WANO14H9D_x_at	57.2	78.0	333.2	361.2	456.0								RNA-Leu	Protein synthesis	RNA and RNA base modification	1.36	5.62	6.31	7.97
WANO14H9E_at	86.7	154.5	430.1	531.0	609.1								RNA-Arg	Protein synthesis	RNA and RNA base modification	1.74	4.58	5.89	6.87
WANO14H9J_at	125.2	144.8	559.9	607.7	600.3								RNA-Ile	Protein synthesis	RNA and RNA base modification	1.16	4.47	4.85	4.79
WANO14GJJ_at	23.2	79.1	96.7	108.7	114.0								RNA-Leu	Protein synthesis	RNA and RNA base modification	3.54	4.33	4.87	5.10
WANO14H3A_at	8.1	19.8	31.2	30.5	37.3	SA1268	SA1022	SAR1227	SAS1185	SAV1251	MW1134	mFO	RNA-(guanine-5)-methyltransferase	Protein synthesis	RNA and RNA base modification	2.45	3.96	3.76	3.68
WANO14HBF_at	7.8	8.7	29.4	27.9	29.0	SA1694	SA1465	SAR1719	SAS1575	SAV1639	MW1589	igt	queanine RNA-ribosyltransferase	Protein synthesis	RNA and RNA base modification	1.11	3.77	3.58	3.72
WANO14GJD_at	144.6	97.1	513.9	546.9	451.8								RNA-Gln	Protein synthesis	RNA and RNA base modification	-1.49	3.55	3.78	3.12
WANO14H0J_at	5.4	7.3	18.2	13.5	15.4	SA1209	SA1040	SAR1173	SAS1131	SAV1197	MW1080		ribosomal large subunit pseudouridine synthases, RluD subfamily	Protein synthesis	RNA and RNA base modification	1.36	3.38	2.51	2.87
WANO14GJB_at	60.6	36.2	193.3	195	193.6								RNA-Phe	Protein synthesis	RNA and RNA base modification	1.32	3.83	3.68	3.46
WANO14GJ7_at	158.7	156.0	449.7	472.7	553.3								RNA-His	Protein synthesis	RNA and RNA base modification	-1.02	2.83	2.98	3.49
WANO14GJF_at	103.3	91.5	291.7	275.0	264.7								RNA-Tyr	Protein synthesis	RNA and RNA base modification	-1.13	2.82	2.86	2.56
WANO14GJ6_at	171.1	108.0	416.4	488.3	610.1								RNA-His	Protein synthesis	RNA and RNA base modification	1.58	3.78	2.65	3.25
WANO14H8C_at	3.5	3.8	8.2	7.0	6.9	SA1695	SA1466	SAR1720	SAS1576	SAV1640	MW1590	queA	S-adenosylmethionine:RNA ribosyltransferase-isomerase	Protein synthesis	RNA and RNA base modification	1.11	2.37	2.02	2.01
WANO14H01_at	14.9	17.5	32.0	33.8	31.7	SA1699	SA1470	SAR1724	SAS1580	SAV1644	MW1594	ctgA	GTP-binding protein, Cbg family GTPase CtgA	Protein synthesis	RNA and RNA base modification	1.17	2.14	2.27	2.12
WANO14H31_at	6.7	7.7	14.2	14.1	7.8	SA0907	SA1688	SAR1941	SAS1771	SAV1850	MW1791		ribosomal large subunit pseudouridine synthases, RluD subfamily	Protein synthesis	RNA and RNA base modification	1.16	2.13	2.11	1.17
WANO14GJ2_at	13.5	2.3	7.2	7.9									RNA-Arg	Protein synthesis	RNA and RNA base modification	7.2	7.19	2.07	2.83
WANO14H0H_at	7.2	10.3	14.8	11.3	8.9	SA1798	SA1569	SAR1833	SAS1674	SAV1748	MW1761		RNA (guanine-N7)-methyltransferase	Protein synthesis	RNA and RNA base modification	1.44	2.07	1.57	1.24
WANO14GJK_at	86.9	59.5	178.9	167.6	192.0								RNA-Leu	Protein synthesis	RNA and RNA base modification	-1.55	2.06	1.93	2.21
WANO14H2A_at	3.2	5.3	6.2	5.6	4.2	SA1811	SA1682	SAR1846	SAS1687	SAV1763	MW1704		SAM-dependent methyltransferase, MraW methylase family	Protein synthesis	RNA and RNA base modification	1.69	2.04	1.69	2.04
WANO14H2B_at	1.1	1.2	11.9	10.4	11.9	SA1371	SA1172	SAR1347	SAS1277	SAV1337	MW1224	gucK	GMP reductase	Purines, pyrimidines, nucleosides, and nucleotides	Nucleotide and nucleoside interconversions	1.08	10.67	11.69	10.61
WANO14H5X_at	29.4	52.8	119.4	100.1	149.0	SA2218	SA2027	SAR2314	SAS2120	SAV2229	MW2148	adc	adenylate kinase	Purines, pyrimidines, nucleosides, and nucleotides	Nucleotide and nucleoside interconversions	1.80	4.06	3.41	5.07
WANO14H0P_at	6.1	7.9	16.1	13.6	11.8	SA2111	SA1921	SAR2207	SAS2022	SAV2119	MW2043	tdk	thymidine kinase	Purines, pyrimidines, nucleosides, and nucleotides	Nucleotide and nucleoside interconversions	1.29	2.64	2.23	1.94
WANO14H34_at	13.3	10.4	17.6	13.3	12.5	SA1078	SA0922	SAR1043	SAS1005	SAV1069	MW0952	purM	phosphoribosyltransferase	Purines, pyrimidines, nucleosides, and nucleotides	Purine ribonucleotide biosynthesis	2.07	3.31	3.45	3.21
WANO14H56_at	5.9	11.9	37.5	27.1	21.4	SA1083	SA0926	SAR1048	SAS1010	SAV1074	MW0957	purD	phosphoribosyl-glycylamino-glycine ligase	Purines, pyrimidines, nucleosides, and nucleotides	Purine ribonucleotide biosynthesis	2.00	6.31	4.57	3.60
WANO14H07_at	1.5	3.6	6.9	5.6	5.1	SA1080	SA0923	SAR1045	SAS1007	SAV1071	MW0954	purM	phosphoribosylformylglycinamide cyclase	Purines, pyrimidines, nucleosides, and nucleotides	Purine ribonucleotide biosynthesis	2.32	4.49	3.67	3.33
WANO14H9T_at	3.3	7.5	12.8	11.8	11.3	SA1078	SA0921	SAR1043	SAS1005	SAV1069	MW0952	purM	phosphoribosylformylglycinamide synthase II	Purines, pyrimidines, nucleosides, and nucleotides	Purine ribonucleotide biosynthesis	2.30	3.94	3.62	3.46
WANO14H9V_at	1.0	2.3	2.6	2.1	1.7	SA1076	SA0919	SAR1041	SAS1003	SAV1067	MW0950	purS	Purines, pyrimidines, nucleosides, and nucleotides	Purine ribonucleotide biosynthesis	1.50	2.07	2.28	2.83	
WANO14H52_at	2.0	4.2	6.2	5.0	4.9	SA1082	SA0925	SAR1047	SAS1009	SAV1073	MW0955	purH	phosphoribosylaminoimidazolecarboxamide formyltransferase/IMP cyclodiolase	Purines, pyrimidines, nucleosides, and nucleotides	Purine ribonucleotide bios				

Systematic	Stat.	Log	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
WANO14G1X_at	2.4	3.9	5.6	6.5	5.8	SA2472	SA2251	SAR2550	SAS2354	SAV2463	MW2391	opp-1F	peptide ABC transporter, ATP-binding protein	Transport and binding proteins	Amino acids, peptides and amines	1.64	2.37	2.75	2.46
WANO14G29_at	4.5	3.7	9.9	9.3	8.7	SA2476	SA2255	SAR2554	SAS2358	SAV2467	MW2391	opp-1A	peptide ABC transporter, peptide-binding protein	Transport and binding proteins	Amino acids, peptides and amines	-1.22	2.20	2.06	1.92
WANO14G27_at	4.4	3.9	9.0	9.6	8.1	SA2476	SA2254	SAR2553	SAS2357	SAV2466	MW2390	opp-1B	peptide ABC transporter, permease protein, putative	Transport and binding proteins	Amino acids, peptides and amines	-1.11	2.06	2.19	1.85
WANO14FXO_at	2.8	3.9	12.9	7.2	7.2	SA2386	SA2176	SAR2476	SAS2278	SAV2388	MW2308	narK	nitrate transporter	Transport and binding proteins	Anions	1.39	4.67	2.62	2.60
WANO14H8U_at	32.7	52.1	77.0	75.0	72.3	SA0722	SA0619	SAR0674	SAS0629	SAV0664	MW0626		phosphate transporter family protein	Transport and binding proteins	Anions	1.60	2.36	2.30	2.21
WANO14G52_at	1.3	6.4	9.5	12.8	21.7	SA2552	SA2326	SAR2618	SAS2424	SAV2538	MW2459	ptsG	PTS system, glucose-specific component	Transport and binding proteins	Carbohydrates, organic alcohols, and acids	4.88	7.27	9.78	16.58
WANO14B0JL_at	3.8	20.5	23.8	19.5	16.4	SA2401	SA2191	SAR2493	SAS2204	SAV2403	MW2325		formate/nitrite transporter	Transport and binding proteins	Carbohydrates, organic alcohols, and acids	5.35	6.22	5.08	4.29
WANO14FKX_at	15.6	61.3	57.5	43.3	49.1	SA2382	SA2172	SAR2472	SAS2274	SAV2384	MW2304	glfT	sodium:dicarboxylate symporter family	Transport and binding proteins	Carbohydrates, organic alcohols, and acids	3.93	3.69	2.78	3.15
WANO14H8A_at	12.2	23.7	28.2	34.4	52.6	SA0175	SA0183	SAR0190	SAS0164	SAV0189	MW0163	glcA	PTS system, glucose-specific component	Transport and binding proteins	Carbohydrates, organic alcohols, and acids	1.95	2.31	2.82	4.31
WANO14G9N_at	8.4	14.9	18.3	21.9	21.4	SA2246	SA2053	SAR2341	SAS2147	SAV2256	MW2175		sugar transporter, putative	Transport and binding proteins	Carbohydrates, organic alcohols, and acids	1.77	2.18	2.61	2.55
WANO14GXN_at	2.1	15.2	132.3	147.3	102.9	SA0501	SA0417	SAR0458	SAS0416	SAV0458	MW0413		sodium-dependent transporter, putative	Transport and binding proteins	Cations	7.39	64.39	71.71	50.10
WANO14HP1_at	10.4	17.5	86.9	72.2	91.1	SA1026	SA0878	SAR0991	SAS0890	SAV1022	MW0902		Integral membrane protein TerC family	Transport and binding proteins	Cations	1.69	8.38	6.96	8.78
WANO14FCU_at	5.2	7.6	22.3	17.2	17.4	SA2277	SA2079	SAR2368	SAS2174	SAV2284	MW2202		iron compound ABC transporter, substrate-binding protein	Transport and binding proteins	Cations	1.86	4.26	3.28	3.33
WANO14GTC_at	14.8	24.8	33.9	39.4	29.7	SA0098	SA0100	SAR0110	SAS0081	SAV0104	MW0080		Na/Pi cotransporter, putative	Transport and binding proteins	Cations	1.68	2.29	2.46	2.00
WANO14I31_at	2.7	4.0	21.9	25.8	23.7	SA2164	SA1976	SAR2265	SAS2075	SAV2174	MW2100		transporter gate domain protein	Transport and binding proteins	Cations and iron carrying compounds	1.48	8.04	9.48	8.68
WANO14HKJ_at	3.5	4.1	25.2	16.8	9.5	SA0946	SA0804	SAR0905	SAS0813	SAV0943	MW0825		Na+/H+ antiporter family protein	Transport and binding proteins	Cations and iron carrying compounds	1.16	7.18	4.78	2.70
WANO14G9M_at	1.4	1.4	3.7	4.0	2.1	SA2365	SA2338	SAR2631	SAS2437	SAV2551	MW2472	feoA	FerA domain protein	Transport and binding proteins	Cations and iron carrying compounds	1.01	2.59	2.81	1.47
WANO14FRG_at	10.3	22.0	98.6	86.0	83.1	SA2242	SA2050	SAR2338	SAS2144	SAV2253	MW2172		xanthine/uracil permease family protein	Transport and binding proteins	Nucleosides, purines and pyrimidines	2.13	9.56	8.33	8.05
WANO14I04_at	1.0	1.0	7.6	3.9	2.2	SA1211	SA1042	SAR1175	SAS1133	SAV1199	MW1082	pyrP	uracil permease	Transport and binding proteins	Nucleosides, purines and pyrimidines	7.50	3.80	2.19	
WANO14HPD_at	2.1	3.5	15.7	13.3	12.6	SA1924	SA1683	SAR1956	SAS1788	SAV1966	MW1806	msbA	toxin exporting ABC transporter, ATP-binding/permease protein	Transport and binding proteins	Other	1.62	7.35	6.23	5.89
WANO14HAM_at	4.5	1.7	17.8	11.3	5.3	SA0098	SA0099	SAR0109	SAS0080	SAV0103	MW0079		drug transporter, putative	Transport and binding proteins	Other	-2.61	3.99	2.54	1.18
WANO14G71_at	2.2	2.4	6.8	4.5	4.4	SA2257	SA2061	SAR2350	SAS2156	SAV2266	MW2184		drug transporter	Transport and binding proteins	Other	1.07	3.06	2.02	1.97
WANO14FZG_at	1.3	1.9	3.7	3.3	2.6	SA1823	SA1592	SAR1844	SAS1685	SAV1761	MW1702	ansB	arsenical pump membrane protein	Transport and binding proteins	Other	1.51	2.86	2.57	2.01
WANO14H4_at	4.3	4.4	11.3	10.2	11.2	SA1809	SA1580	SAR1844	SAS1685	SAV1761	MW1702		drug transporter, putative	Transport and binding proteins	Other	1.02	2.65	2.36	2.63
WANO14HUO_at	2.1	1.4	4.9	4.3	4.6	SA0261	SA0263	SAR0271	SAS0250	SAV0274	MW0250		drug transporter, putative	Transport and binding proteins	Other	-1.47	2.30	2.01	2.17
WANO14FVY_at	2.5	9.9	16.9	14.9	16.6	SA1427	SA1224	SAR1404	SAS1333	SAV1392	MW1280		ABC transporter, ATP-binding protein	Transport and binding proteins	Unknown substrate	-3.88	6.63	5.86	6.51
WANO14FYI_at	2.9	1.9	15.9	13.7	13.5	SA2403	SA2194	SAR2496	SAS2297	SAV2406	MW2328	znuA	ABC transporter, substrate-binding protein	Transport and binding proteins	Unknown substrate	-1.27	6.60	5.67	5.59
WANO14HET_at	2.3	3.5	14.1	12.4	10.1	SA1612	SA1384	SAR1632	SAS1493	SAV1555	MW1507	znuB	ABC transporter family protein	Transport and binding proteins	Unknown substrate	1.55	6.16	5.43	4.41
WANO14G9U_at	3.9	12.6	14.2	11.4	7.9	SA2375	SA2166	SAR2465	SAS2268	SAV2376	MW2298		transporter	Transport and binding proteins	Unknown substrate	3.21	3.63	2.90	2.01
WANO14H6V_at	1.3	1.3	3.9	3.6	2.8	SA1613	SA1385	SAR1633	SAS1494	SAV1556	MW1508	znuC	ABC transporter, ATP-binding protein	Transport and binding proteins	Unknown substrate	1.02	3.04	2.82	2.20
WANO14HTF_at	8.3	14.6	22.0	21.2	17.6	SA0695	SA0594	SAR0648	SAS0604	SAV0638	MW0600	tagG	ABC-2 type transporter	Transport and binding proteins	Unknown substrate	1.77	2.66	2.57	2.14
WANO14QVJ_at	0.9	3.7	2.5	2.4	2.0	SA0905	SA0421	SAR0462	SAS0420	SAV0463	MW0417	metI	ABC transporter, permease protein	Transport and binding proteins	Unknown substrate	3.94	2.65	2.51	2.07
WANO14G1V_at	6.4	9.9	16.6	17.4	16.3	SA2471	SA2250	SAR2549	SAS2353	SAV2462	MW2386		transporter, putative	Transport and binding proteins	Unknown substrate	1.54	2.59	2.72	2.54
WANO14QV3_at	9.5	18.2	83.9	67.1	42.8			SAR2149		SAV0465			autolysin (N-acetylmuramoyl-L-alanine amidase)	Unclassified	Role category not yet assigned	1.93	8.86	7.08	4.52
WANO14H1J_at	0.6	0.5	3.6	4.6	4.9								putative exported protein	Unclassified	Role category not yet assigned	4.9	-1.11	6.01	7.83
WANO14G94_at	2.1	1.1	11.1	8.3	9.2	SA2620	SA2397	SAR2682	SAS2489	SAV2604	MW2523	gabT	aminotransferase, class-III	Unknown function	Enzymes of unknown specificity	-2.28	4.58	3.42	3.79
WANO14G7J_at	7.0	21.4	21.8	16.6	15.8	SA2582	SA2354	SAR2649	SAS2453	SAV2567	MW2488		acetyltransferase	Unknown function	Enzymes of unknown specificity	3.07	3.13	2.39	2.26
WANO14G28_at	2.0	3.1	6.1	6.4	5.9	SA1954	SA1710	SAR1985	SAS1816	SAV1994	MW1835		exonuclease	Unknown function	Enzymes of unknown specificity	1.51	3.02	3.17	2.92
WANO14G0I_at	5.2	4.6	13.9	11.6	9.2	SA0770	SA0865	SAR0763	SAS0875	SAV0710	MW0872		radical activating enzyme family protein	Unknown function	Enzymes of unknown specificity	-1.12	2.68	2.23	1.98
WANO14H1Y_at	2.5	4.8	6.3	4.9	5.6	SA1520	SA1311	SAR1488	SAS1420	SAV1480	MW1368		pyridine nucleotide-disulfide oxidoreductase	Unknown function	Enzymes of unknown specificity	1.94	2.55	1.99	2.25
WANO14HFA_at	0.6	0.7	1.5	1.5	1.2	SA1765	SA1538	SAR1693	SAS1560	SAV1614	MW1564		aminotransferase, class V	Unknown function	Enzymes of unknown specificity	1.18	2.54	2.39	2.00
WANO14HPY_at	1.9	1.7	4.2	4.1	2.9	SA1689	SA1442	SAR1689	SAS1560	SAV1614	MW1564		O-methyltransferase family protein	Unknown function	General	-1.07	2.27	2.19	1.55
WANO14FR3_at	6.0	20.1	83.9	75.8	58.1	SA0007	SA0007	SAR0007	SAS0007	SAV0007	MW0007		YjeF-related protein, C-terminus	Unknown function	General	3.34	13.07	12.61	9.68
WANO14G0C_at	1.4	2.7	7.2	7.3	5.9	SA0772	SA0667	SAR0765	SAS0677	SAV0712	MW0674	exsB	exsB protein	Unknown function	General	1.99	5.23	5.28	4.27
WANO14HKL_at	4.0	4.1	15.9	12.4	8.2	SA0947	SA0805	SAR0906	SAS0814	SAV0944	MW0826	uxuB	comA operon protein 2	Unknown function	General	1.00	3.95	3.07	2.03
WANO14HBM_at	5.0	8.2	11.7	12.6	12.5	SA1698	SA1459	SAR1723	SAS1579	SAV1643	MW1593	ptsB	ACT domain protein	Unknown function	General	1.25	2.37	2.54	2.53
WANO14HWS_at	2.3	4.9	5.3	3.6	3.6	SA2053	SA1868	SAR2151	SAS1968	SAV2063	MW1887		S1 RNA binding domain protein	Unknown function	General	2.12	2.31	1.55	1.58
WANO14I0J_at	4.8	6.9	10.2	8.1	6.1	SA2108	SA1918	SAR2204	SAS2019	SAV2116	MW2040		Sua5/YcoI/YrdC/YwlC family protein	Unknown function	General	1.45	2.14	1.70	1.28