

Supplemental Materials

Molecular Biology of the Cell

Kops et al.

SUPPLEMENTAL RESULTS/DISCUSSION

RNAseq analysis revealed CHIII disomy in *brr6-1*.

Mapping the chromosomal locations of the genes affected in *brr6-1* in galactose and glucose (Supplemental Figure 5A and B) showed that expression increased approximately 2-fold for many genes across CHIII, but not other chromosomes, suggesting disomy at CHIII. To test this possibility, we carried out QPCR on 3 biological replicates of genomic DNA from wild type (YPH399) and two different *brr6-1* strains (yDBK166 and yDBK168) where the mutation had been integrated independently. We used primer sets against 2 genes on CHIII and CHV and a single primer set for all other chromosomes. Wild type DNA showed comparable levels for all chromosomes. In contrast, DNA from both *brr6-1* strains showed 2x levels of both genes on CHIII but not CHV compared with wild type, consistent with stably maintained disomy at CHIII (Supplemental Figure 6A). This effect was not observed for other chromosomes although in some cases (eg. CHI and CHXIV), an intermediate level (1.3-1.5x wild type levels) was observed. The intermediate values occurred when one biological replicate showed higher levels, resulting in an intermediate value and larger error. It is possible that this reflects transient duplication of other chromosomes where, unlike CHIII, disomy is not maintained.

Disomic budding yeast strains have been shown to exhibit characteristic gene expression changes independent of the identity of the duplicated chromosome (Torres et al., 2007), including increased expression of genes linked to ribosomal RNA biogenesis and decreased expression of carbohydrate metabolism genes. Therefore, we asked if *brr6-1* showed similar patterns. Genes with altered expression in *brr6-1* also show enrichment in these processes compared with the whole genome, but in contrast to the typical disomic pattern genes related to

ribosome biogenesis show decreased expression while carbohydrate metabolism genes show both increased and decreased expression equivalently (Figure 6B). Interestingly, the *brr6-1* data also shows enrichment for genes involved in lipid metabolism, consistent with the previously reported altered lipid homeostasis in the mutant (Lone et al., 2015; Scarcelli et al., 2007). Although increased copy number of CHIII genes resulting from disomy could underlie genome-wide expression changes in *brr6-1*, the divergence of the *brr6-1* effects from the typical disomic pattern suggests that some of these effects may come from the *brr6-1* mutation itself.

Table S1 Yeast Strains Used in this Study

Strain	Relevant Genotype	Source
W303	<i>MATα leu2-3,112 trp1-1 can1-100 ura3-1 ade2-1 his3-11,15</i>	Gift from I. Herskowitz
yDBK165	<i>BRR6:LEU:HIS3 haploid</i> (W303 <i>MATα</i> background)	(de Bruyn Kops and Guthrie 2001)
yDBK166	<i>brr6-1:LEU:HIS3 haploid</i> (W303 <i>MATα</i> background)	(de Bruyn Kops and Guthrie 2001)
YPH399	<i>MATα Trp1-63,leu2-1,ura3-52,ade2-10, lys2-801</i>	Gift from P. Hieter
yDBK168	<i>brr6-1:LEU:HIS3 haploid</i> (<i>brr6-1</i> integrated into yDBK123, YPH399 <i>MATα</i> background (de Bruyn Kops & Guthrie, 2001))	This study
yDBK169	<i>MATα leu2-3,112 trp1-1 can1-100 ura3-1 ade2-1 his3-11,15, brr6-1:LEU:HIS3, Δhda1::KAN</i>	This study
yDBK170	<i>brr6-1</i> isolate from cs bank outcrossed to YPH399	de Bruyn Kops and Guthrie 2001)
yDBK155	<i>MATα leu2-3,112 trp1-1 can1-100 ura3-1 ade2-1 his3-11,15, pSE358-BRR6 (TRP1)</i>	(de Bruyn Kops and Guthrie 2001)
yDBK192	<i>MATα leu2-3,112 trp1-1 can1-100 ura3-1 ade2-1 his3-11,15, pJL602-BRR6 (LEU2)</i>	(de Bruyn Kops and Guthrie 2001)
<i>NIC96GFP</i>	<i>NIC96GFP:HIS3 haploid</i>	(Huh et al. 2003)
<i>PAB1GFP</i>	<i>PAB1GFP:HIS3 haploid</i>	(Huh et al. 2003)
yDBK398	<i>PABGFP:HIS3, BRR6 haploid</i> derived from crossing yDBK170 and <i>PAB1GFP</i>	This study
yDBK399	<i>PABGFP:HIS3, brr6-1 haploid</i> derived from crossing yDBK170 and <i>PAB1GFP</i>	This study
yDBK400	<i>LAC O:PAB1GFP:HIS3,BRR6:LEU2 haploid</i>	This study
yDBK401	<i>LAC O:PAB1GFP:HIS3,brr6-1:LEU2 haploid</i>	This study
yDBK523	<i>LAC O:LEU:PAB1,PAB1/ POM34GFP:HIS,POM34/LACIGFP:HIS3/ BRR6, BRR6:HIS:LEU diploid</i>	This study
yDBK524	<i>LAC O:LEU:PAB1,PAB1/ POM34GFP:HIS,POM34/LACIGFP:HIS3/ brr6-1, brr6-1:HIS:LEU diploid</i>	This study
yDBK521	<i>LAC O:PAB1:LEU, BRR6 haploid</i>	This study
yDBK522	<i>LAC O:PAB1, brr6-1 haploid</i>	This study
yDBK535	<i>LACO:LEU2:GAL1, GAL1/LACIGFP:HIS3/NUP60GFP:HIS3, NUP60/BRR6, brr6::HIS3, BRR6(TRP1) diploid</i>	This study
yDBK536	<i>LAC O:LEU2GAL1, GAL1/LACIGFP:HIS3/NUP60GFP:HIS3, NUP60/brr6-1, brr6::HIS3, brr6-1(TRP1) diploid</i>	This study
yDBK550	<i>LACO:LEU2:GAL1, BRR6, his-,ura-, haploid</i>	This study
yDBK551	<i>LACO:LEU2:GAL1, brr6-1, his-,ura-, haploid</i>	This study
yDBK552	<i>LACO:LEU2:GAL1, BRR6, his-, NUP2_pRS316(CEN/ARS, URA3), haploid</i>	This study
yDBK553	<i>LACO:LEU2:GAL1, BRR6, his-, NUP2_LACI_pRS316(CEN/ARS, URA3), haploid</i>	This study
yDBK554	<i>LACO:LEU2:GAL1, brr6-1, his-, NUP2_pRS316(CEN/ARS, URA3), haploid</i>	This study
yDBK555	<i>LACO:LEU2:GAL1, brr6-1, his-, NUP2_LACI_pRS316(CEN/ARS, URA3), haploid</i>	This study
yDBK556	W303, pJL602 (CEN/ARS, LEU2)	This study

yDBK557	W303, pP _{GAL} _NLS- <i>BRR6</i> N-FLAG (pDBK102, (CEN/ARS, LEU2))	This study
yDBK558	W303, pP _{GAL} _NLS <i>brr6-1</i> N_FLAG (pDBK106, (CEN/ARS, LEU2))	This study
yDBK559	W303, pP _{GAL} _NLS- <i>brr6ΔC4</i> N_FLAG (pDBK104, (CEN/ARS, LEU2))	This study

Table S2 QPCR Primers---

*target positions indicated with respect to start of relevant ORF

Primer name	Sequence	*Target
<i>PAB15'</i> ORFF	GCCGCCACTGGTTCAGAAAG	+69 <i>PAB1</i> ORF
<i>PAB15'</i> ORFR	TGGCATCACGACAGACACGA	+221 <i>PAB1</i> ORF
<i>PAB13'</i> ORFF	TTCCCAAGAAATGCCAACGA	+1467 <i>PAB1</i> ORF
<i>PAB13'</i> ORFR	CCTCTTGAGGTGGCAAATCCA	+1625 <i>PAB1</i> ORF
CRYPTO <i>PABF</i>	TAAGGCCGTCAACGGTATGC	CNAG_04441 ORF
CRYPTO <i>PABR</i>	ACCCTTCTCGTCCCTGGAAA	CNAG_04441 ORF
K104upstnc_F2 (<i>GAL7</i> nc1,2,3F)	GCCTTGCTGCAACATCCAAT	232nt upstream; antisense to <i>KAP104</i>
K104upstnc_R2 (<i>GAL7</i> nc1R)	TGACATCTGACACATTTCCACTTT	387nt upstream; sense to <i>KAP104</i>
<i>GAL7</i> 3'UTRF3 (<i>GAL7</i> nc2R)	CAATGCAGCTTGTAAAGTAAA	nt224 of <i>GAL7</i> 3'UTR; sense to <i>GAL7</i>
<i>GAL7</i> 3'UTRF1 (<i>GAL7</i> nc3R)	GTGGAATATTCATTCATATCATAT	nt8 of <i>GAL7</i> 3'UTR; sense to <i>GAL7</i>
<i>FUR4</i> mid ORFF	CACTTGGCAAATTCGAGCTA	
<i>FUR4</i> mid ORFR	TGGCCATGACGACTCTGTTA	
<i>GAL1-FUR4</i> intF	GGGGCAGTTGACGTCTTATC	
<i>GAL1-FUR4</i> intR	TCCTCGCGCTTGTCTACTAAA	
YAR047CF	GCCAATAAAGCGTTTCCTG	
YAR047CR	TGAATCCACGGAGACATACG	
YBR019CF	TGGTTACAGGTGGTGTGGA	
YBR019CR	CAGCCTTTAAACCAGCAAAGTGA	
YCR088WF	CGATTGGAATGAGCCTGAAT	
YCR088WR	TGGCTTTTGAACAAGACGTG	
YCR032WF	TCTGATCCTCGCTCACAAAA	
YCR032WR	TGGCCTTCCTTAATTTCCAA	
YDL129WF	AAGTGCAAGTCCCGAGAGT	
YDL129WR	GGGAAGCAGGAAGAGGAAAGT	
YEL065WF	CTGCCGCTAGCTTGTATTCC	
YEL065WR	CTTCAAACCACCCGCTAAG	
YEL071WF	GCCTCTGTTCGGTATTTTGA	
YEL071WR	CAAACCACCTGCATTTGTTG	
YFR016CF	AGCGCAAACCTCGCAAAAAT	
YFR016CR	GGCCTTAACAGGTTTCATCCA	
YGL089CF	TATTTTAGCGGCCGTTTCTG	
YGL089CR	CTCTCTTTTCGCCAAAGTGG	
YHL034CF	TGCTCACGAATGTACCGAAG	
YHL034CR	GCATTTGGCCTGGAGTTCTA	
YIR026CF	GATTTGACAACCCAGCCTA	
YIR026CR	GCCAATTTGGTTCTGCACTT	
YJL052WF	CTTACCGGTGCTGCTAAGG	
YJL052WR	AACGGCATCTTCGGTGTAAC	
YKL120WF	TAAGGACAGGTGCTGGTTCC	
YKL120WR	ATCCCATGGGTTTCATAACGA	
YLR286CF	TGGGATACTTTTCGGTGAAGG	
YLR286CR	CAACAGAAGCATCCGGGTAT	
YMR142CF	AATGCTAGAGCTGCCAGAGC	
YMR142CR	ACCAATGGTTCTGGCGTAAG	
YNL217WF	GAAAAGACGAGCCGCTACAC	
YNL217WR	GAAAAGACGAGCCGCTACAC	
YOL077CF	TGAACGAAATCGCTGAGTTG	
YOL077CR	AAACGACAATACCGGACGAG	
YPR069CF	AGACGGCTGGTTCAGAGAAA	
YPR069CR	GATGGGAATTCAAGGCAAGA	

Table S3: Microsoft Excel file of significant *brr6-1* expression changes following galactose-induction.

Table S4: Microsoft Excel file of significant *brr6-1* expression changes in glucose media.

Table S5: Microsoft Excel file of gene regions enriched in NLS-BRR6N fragment ChIPseq.

SUPPLEMENTAL REFERENCES

- Chan YA, Aristizabal MJ, Lu PYT, Luo Z, Hamza A, Kobor MS, Stirling PC, Hieter P. 2014. Genome-wide profiling of yeast DNA:RNA hybrid prone sites with DRIP-chip. in *PLoS Genet*, p. e1004288.
- de Bruyn Kops A, Guthrie C. 2001. An essential nuclear envelope integral membrane protein, Brr6p, required for nuclear transport. in *EMBO J*, pp. 4183-4193.
- Huh W-K, Falvo JV, Gerke LC, Carroll AS, Howson RW, Weissman JS, O'Shea EK. 2003. Global analysis of protein localization in budding yeast. in *Nat Cell Biol*, pp. 686-691. Nature Publishing Group.

Table S3 Significant sense expression changes in *brr6-1* versus wild type (galactose)

	sense	sense	sense	sense	sense	sense
	baseMean	log2FoldChar	lfcSE	stat	pvalue	padj
YAL001C	7099.55407	0.64624866	0.16628674	3.88635102	0.00010176	0.00121161
YAL025C	2837.87783	0.66919297	0.16570212	4.03853003	5.38E-05	0.00068452
YAL038W	129032.932	-1.8870342	0.20232097	-9.3269335	1.09E-20	1.58E-18
YAL044C	5817.67738	-1.1420511	0.16297109	-7.0076914	2.42E-12	1.23E-10
YAL053W	1326.36863	-0.6341519	0.17401207	-3.6442985	0.00026812	0.00268386
YAL060W	20392.1341	-1.3233609	0.19233931	-6.8803453	5.97E-12	2.91E-10
YAL061W	366.337345	-1.1746902	0.24689998	-4.7577573	1.96E-06	3.61E-05
YAL062W	1570.94243	-1.7681574	0.20027525	-8.8286366	1.06E-18	1.22E-16
YAR047C	128.954887	2.00944385	0.3465129	5.79904483	6.67E-09	2.12E-07
YBL003C	8081.35117	-0.6084514	0.17241295	-3.5290353	0.00041708	0.00384064
YBL016W	1555.87138	-0.7800037	0.17202296	-4.5342999	5.78E-06	9.28E-05
YBL026W	1003.475	0.62507376	0.18550852	3.36951515	0.00075301	0.00618642
YBL027W	10676.7084	-0.6386461	0.19073744	-3.3482996	0.00081309	0.0066088
YBL032W	2594.27695	-0.6339784	0.19398799	-3.2681324	0.0010826	0.00829085
YBL043W	695.974244	1.16046834	0.20233471	5.73538937	9.73E-09	2.97E-07
YBL049W	320.445704	-1.3188992	0.23251923	-5.6722156	1.41E-08	4.07E-07
YBL054W	205.374901	0.90625712	0.2713342	3.34000334	0.00083777	0.0067733
YBL064C	1728.24355	-1.6309543	0.19702707	-8.2778184	1.25E-16	1.03E-14
YBL072C	7564.16016	-0.586409	0.1861817	-3.14966	0.00163461	0.01155981
YBL078C	439.961792	-0.8418955	0.2084176	-4.0394644	5.36E-05	0.00068348
YBL098W	2749.45946	0.68127938	0.15668131	4.34818545	1.37E-05	0.00020164
YBL113C	444.402441	1.03066802	0.23140276	4.45400052	8.43E-06	0.00013008
YBR005W	996.820974	-0.9607037	0.17678656	-5.4342572	5.50E-08	1.42E-06
YBR010W	10931.1966	-0.7469584	0.17780887	-4.2009063	2.66E-05	0.00036418
YBR015C	2922.65177	-0.8112519	0.16680177	-4.8635688	1.15E-06	2.27E-05
YBR018C	29706.2235	-0.774811	0.16220954	-4.7766055	1.78E-06	3.35E-05
YBR019C	147945.006	-0.6675494	0.15651729	-4.26502	2.00E-05	0.00028011
YBR020W	238938.763	-0.7843655	0.17786919	-4.4097887	1.03E-05	0.00015848
YBR021W	4607.37085	1.83852838	0.1629613	11.281994	1.61E-29	4.27E-27
YBR026C	2600.55113	-0.6935198	0.17873611	-3.8801325	0.0001044	0.00123337
YBR035C	2311.12665	-0.5982848	0.16916032	-3.5367915	0.00040502	0.00374658
YBR045C	883.464002	0.70444016	0.21759308	3.23741979	0.00120616	0.00906627
YBR048W	4623.59039	-0.7433783	0.197852	-3.7572444	0.00017179	0.00185684
YBR052C	2557.54448	-0.7955552	0.16030121	-4.9628773	6.95E-07	1.46E-05
YBR053C	1807.00424	-0.5807281	0.17737806	-3.2739569	0.00106053	0.00817317
YBR054W	5727.16294	-1.4615669	0.23896995	-6.1161117	9.59E-10	3.42E-08
YBR066C	512.804826	-1.3208994	0.25697306	-5.1402253	2.74E-07	6.24E-06
YBR068C	8199.29432	-1.2948356	0.15220875	-8.5069724	1.79E-17	1.70E-15
YBR072W	2012.95072	-3.3093347	0.21859697	-15.138978	8.96E-52	7.80E-49
YBR084W	17361.0664	0.62137597	0.15649177	3.97066237	7.17E-05	0.00087789
YBR085C-A	983.785452	-0.6495794	0.18794658	-3.4561915	0.00054787	0.0047606
YBR088C	1163.01189	-0.7536345	0.20827321	-3.61849	0.00029633	0.00289489
YBR089C-A	1375.63595	-1.3253447	0.19772523	-6.702962	2.04E-11	9.09E-10
YBR092C	884.260886	-0.6988008	0.18497918	-3.7777265	0.00015827	0.00174781
YBR093C	524.346402	-1.6957005	0.20391892	-8.3155621	9.13E-17	7.84E-15
YBR101C	3920.9772	-0.8389582	0.17594191	-4.7683819	1.86E-06	3.45E-05
YBR106W	9340.48307	-0.9114991	0.19955431	-4.5676743	4.93E-06	8.08E-05
YBR109W-A	140.482887	-1.0836303	0.28827208	-3.7590538	0.00017056	0.00185003
YBR114W	2199.69153	-0.6031807	0.1656868	-3.6404875	0.00027212	0.00271499
YBR117C	232.033074	-0.940654	0.26438611	-3.55788	0.00037386	0.00350807
YBR118W	38000.5952	-0.6332676	0.17599471	-3.5982194	0.0003204	0.00310028
YBR126C	9352.65656	-0.8823016	0.16677604	-5.2903381	1.22E-07	2.99E-06
YBR126W-A	54.5399601	-1.358148	0.3833715	-3.5426421	0.00039614	0.0036756
YBR137W	1383.46178	-0.6857453	0.17248323	-3.9757213	7.02E-05	0.00086586
YBR139W	1330.09329	-0.8205361	0.16979033	-4.8326431	1.35E-06	2.62E-05
YBR145W	1222.48551	-0.8412477	0.17749722	-4.7394977	2.14E-06	3.89E-05
YBR148W	318.525841	0.85724479	0.23019818	3.72394255	0.00019614	0.00206501
YBR149W	2774.81163	-0.5890842	0.16335938	-3.6060627	0.00031088	0.00302251
YBR160W	1870.77271	-0.6649077	0.19166877	-3.4690455	0.00052231	0.00464275
YBR161W	515.132878	-0.8103756	0.21654792	-3.742246	0.00018238	0.00195054
YBR169C	4711.43221	-0.6871774	0.18083176	-3.8000925	0.00014464	0.0016264

YBR177C	963.665458	-0.7798437	0.18415675	-4.2346734	2.29E-05	0.00031783
YBR183W	965.544095	-0.7129387	0.19556356	-3.6455602	0.00026681	0.00268104
YBR189W	10165.0618	-0.6751168	0.19177015	-3.5204475	0.00043082	0.00395523
YBR191W	7629.71327	-0.6905751	0.18303856	-3.7728393	0.0001614	0.00177279
YBR196C	57669.2583	-0.9699286	0.15919685	-6.0926367	1.11E-09	3.94E-08
YBR222C	1096.75262	0.83398221	0.19132411	4.3590021	1.31E-05	0.00019379
YBR243C	924.872762	-0.5873732	0.17851653	-3.2903016	0.0010008	0.00779167
YBR244W	711.330014	-0.7770703	0.19825102	-3.9196279	8.87E-05	0.00107055
YBR269C	527.759052	-0.7161172	0.20320961	-3.5240321	0.00042503	0.00390799
YBR287W	463.562453	-0.9471254	0.21396438	-4.4265563	9.57E-06	0.0001474
YBR291C	1077.5242	-1.4630422	0.26354769	-5.5513374	2.83E-08	7.61E-07
YBR296C	1633.37067	-3.5472086	0.21587841	-16.431512	1.14E-60	1.73E-57
YCL001W	1942.86715	0.66756557	0.16526444	4.03937814	5.36E-05	0.00068348
YCL002C	1318.51889	0.69514659	0.17264313	4.02649445	5.66E-05	0.00071602
YCL004W	278.513153	0.80420327	0.23669883	3.39758032	0.00067985	0.00565395
YCL005W	448.727174	0.80780763	0.20488543	3.94272852	8.06E-05	0.00098022
YCL005W-A	1220.45138	0.77265661	0.19323582	3.99851656	6.37E-05	0.00079624
YCL008C	117.377829	1.61980603	0.29998959	5.39954084	6.68E-08	1.71E-06
YCL010C	5346.11554	1.2245303	0.15270723	8.01881044	1.07E-15	7.75E-14
YCL011C	16998.3155	1.29844833	0.1472867	8.81578818	1.19E-18	1.34E-16
YCL012C	81.5423574	1.25025964	0.33786898	3.70042737	0.00021524	0.00224288
YCL014W	4015.47835	0.94964058	0.16942417	5.60510701	2.08E-08	5.72E-07
YCL016C	1053.68417	0.78788175	0.18495846	4.25977687	2.05E-05	0.00028611
YCL017C	6578.02296	1.26014013	0.15136682	8.32507491	8.43E-17	7.34E-15
YCL018W	7085.12518	2.44513308	0.16671755	14.6663211	1.06E-48	8.07E-46
YCL022C	32.2391572	1.77107128	0.41189608	4.2998012	1.71E-05	0.00024495
YCL024W	3386.52597	1.14531589	0.1572866	7.28171303	3.30E-13	1.95E-11
YCL025C	6427.11505	0.86263143	0.19015289	4.53651507	5.72E-06	9.25E-05
YCL026C-A	64.6007798	1.15740183	0.37281199	3.10451876	0.00190589	0.01293797
YCL027W	185.816276	1.75444562	0.31826067	5.51260573	3.54E-08	9.45E-07
YCL029C	697.784721	1.1662576	0.1900431	6.13680586	8.42E-10	3.09E-08
YCL030C	19213.7185	0.65750446	0.15305762	4.29579695	1.74E-05	0.00024792
YCL031C	4104.59893	0.80574872	0.18386024	4.3823978	1.17E-05	0.00017653
YCL032W	1867.52902	1.12265478	0.16777934	6.6912576	2.21E-11	9.63E-10
YCL033C	1460.07073	0.58894341	0.17315634	3.40122339	0.00067085	0.00559439
YCL034W	7370.14262	0.85472636	0.16311407	5.24005284	1.61E-07	3.82E-06
YCL036W	5919.96859	1.82794514	0.20159896	9.06723487	1.22E-19	1.58E-17
YCL037C	341.565984	1.17200811	0.22323683	5.25006612	1.52E-07	3.66E-06
YCL039W	593.568422	0.85420399	0.19685236	4.33931299	1.43E-05	0.00020844
YCL040W	47046.3536	-0.8449176	0.16526057	-5.1126388	3.18E-07	7.09E-06
YCL041C	42.5675861	1.3633314	0.3977794	3.42735543	0.00060949	0.00520372
YCL044C	104.391589	1.39333478	0.32461695	4.2922428	1.77E-05	0.00025098
YCL046W	30.5538589	1.5201238	0.41769619	3.63930492	0.00027337	0.00271859
YCL047C	1659.35826	0.82100282	0.18776477	4.37250737	1.23E-05	0.00018397
YCL048W	192.661648	1.026502	0.29356083	3.49672677	0.000471	0.00425369
YCL048W-A	50.6787591	-1.3635598	0.38797711	-3.5145367	0.00044052	0.00402009
YCL049C	1578.94655	0.5884178	0.17940003	3.2799202	0.00103836	0.00802265
YCL050C	365.839897	1.13525849	0.21470426	5.28754536	1.24E-07	3.02E-06
YCL051W	429.731751	0.70061211	0.20550495	3.40922258	0.00065148	0.005493
YCL052C	3406.71803	0.60872694	0.16005732	3.80318101	0.00014285	0.00161262
YCL054W	19317.577	1.74733439	0.17284615	10.1091892	5.03E-24	9.02E-22
YCL055W	2848.70932	0.79736128	0.17335483	4.59959076	4.23E-06	6.99E-05
YCL056C	429.420476	1.20187183	0.21466379	5.59885692	2.16E-08	5.90E-07
YCL057C-A	246.025062	1.11156223	0.23938096	4.64348636	3.43E-06	5.80E-05
YCL058C	107.357253	1.23110023	0.31629843	3.89221101	9.93E-05	0.00118885
YCL058W-A	619.625179	1.64447566	0.19257559	8.53937744	1.35E-17	1.33E-15
YCL059C	7667.68277	1.08630947	0.20344412	5.33959634	9.32E-08	2.31E-06
YCL061C	6242.98388	1.26274808	0.17881037	7.06193967	1.64E-12	8.55E-11
YCL063W	1131.01144	1.14152069	0.18752924	6.08716122	1.15E-09	4.05E-08
YCR003W	2797.0235	1.02272725	0.16701111	6.12370799	9.14E-10	3.31E-08
YCR005C	11453.823	-1.6666988	0.20638737	-8.0755852	6.72E-16	4.93E-14
YCR006C	698.856264	1.3953681	0.18889646	7.38694692	1.50E-13	9.16E-12
YCR007C	394.328221	0.88436371	0.215674	4.10046501	4.12E-05	0.00054054
YCR009C	6501.78062	0.6224181	0.15615059	3.98601186	6.72E-05	0.00083765

YCR014C	4569.6186	1.37709953	0.1667307	8.25942396	1.46E-16	1.19E-14
YCR015C	2272.91722	1.00126076	0.1592964	6.28552025	3.27E-10	1.21E-08
YCR016W	2494.22433	1.16246744	0.19415202	5.98740847	2.13E-09	7.30E-08
YCR017C	9862.23385	0.61487798	0.15273988	4.02565457	5.68E-05	0.00071709
YCR019W	958.867918	0.8297494	0.17721843	4.68207169	2.84E-06	4.93E-05
YCR020C	213.807068	1.6180373	0.25319121	6.39057456	1.65E-10	6.26E-09
YCR020C-A	908.954181	1.09255267	0.22220701	4.91682366	8.80E-07	1.79E-05
YCR020W-B	654.846683	0.98155903	0.20137162	4.87436616	1.09E-06	2.17E-05
YCR023C	2595.42924	0.78203383	0.15823009	4.94238384	7.72E-07	1.59E-05
YCR024C	302.378869	1.26333335	0.23423148	5.39352511	6.91E-08	1.74E-06
YCR024C-A	1074.40807	1.58573249	0.17903337	8.85718962	8.21E-19	9.62E-17
YCR024C-B	1782.77275	1.61613695	0.16380865	9.86600497	5.84E-23	9.38E-21
YCR025C	102.088374	1.55981062	0.31379273	4.97083096	6.67E-07	1.41E-05
YCR026C	7475.34643	0.76843956	0.15004044	5.12154963	3.03E-07	6.82E-06
YCR028C	4582.11703	1.01156847	0.15344155	6.59253303	4.32E-11	1.75E-09
YCR028C-A	295.228288	1.0304309	0.83220505	0.22685311	4.54228245	5.56E-06
YCR030C	380.379671	0.73336025	0.21183492	3.4619422	0.00053629	0.00471752
YCR031C	1959.87121	1.19701554	0.16370037	7.31223489	2.63E-13	1.57E-11
YCR032W	10745.4921	0.92200813	0.17468895	5.27799912	1.31E-07	3.16E-06
YCR033W	3155.25338	0.91670267	0.16040751	5.71483616	1.10E-08	3.28E-07
YCR034W	861.093251	0.83220505	0.17943479	4.63792472	3.52E-06	5.91E-05
YCR035C	4917.28533	0.85458504	0.17780287	4.80636254	1.54E-06	2.93E-05
YCR036W	2875.67366	0.77892128	0.1598411	4.87309771	1.10E-06	2.18E-05
YCR037C	7775.55889	0.7322389	0.15547135	4.70979965	2.48E-06	4.39E-05
YCR042C	12858.0748	1.41406406	0.16077851	8.79510596	1.43E-18	1.58E-16
YCR043C	1037.72668	1.16744869	0.2088832	5.58900238	2.28E-08	6.22E-07
YCR044C	1607.33432	0.58838202	0.16562211	3.55255715	0.00038151	0.00356697
YCR045C	119.799393	1.30002434	0.32996532	3.93988171	8.15E-05	0.00098995
YCR045W-A	177.271391	0.91182775	0.26752909	3.40833127	0.00065361	0.00550337
YCR047C	3588.0837	1.14363102	0.19450705	5.87963779	4.11E-09	1.33E-07
YCR048W	1306.79445	0.6323577	0.18709258	3.3799186	0.00072507	0.00598922
YCR049C	19.7665078	1.35093041	0.42193158	3.201776	0.00136583	0.01003146
YCR050C	22.5308338	1.35242248	0.41962928	3.22289824	0.00126901	0.00943398
YCR051W	4383.47779	0.69323283	0.19871807	3.4885244	0.00048569	0.00436695
YCR052W	780.563028	0.61452687	0.19054264	3.22514103	0.00125911	0.00938692
YCR053W	2296.33326	0.87585536	0.18156676	4.82387491	1.41E-06	2.71E-05
YCR054C	1023.70182	1.49687017	0.18404	8.13339569	4.17E-16	3.18E-14
YCR057C	14677.6425	1.27909381	0.1667431	7.67104504	1.71E-14	1.11E-12
YCR060W	260.68784	0.74543309	0.23538863	3.16681852	0.00154116	0.01102692
YCR061W	233.720872	1.6982696	0.25756596	6.59353264	4.29E-11	1.75E-09
YCR063W	72.9950478	1.10447014	0.34826089	3.17138726	0.00151713	0.01088048
YCR064C	105.168633	1.30803373	0.35464932	3.68824547	0.00022581	0.00233148
YCR065W	352.044391	0.94464488	0.21687666	4.35567786	1.33E-05	0.0001958
YCR066W	473.029722	0.97008136	0.20678802	4.69118733	2.72E-06	4.77E-05
YCR067C	1076.61287	1.09901896	0.19727782	5.57092014	2.53E-08	6.84E-07
YCR071C	375.43877	1.12520171	0.21586698	5.21247731	1.86E-07	4.35E-06
YCR072C	2736.95662	0.93522004	0.225494	4.14742763	3.36E-05	0.00045147
YCR073C	3394.89485	0.8057161	0.18333478	4.39478033	1.11E-05	0.00016815
YCR076C	1649.67732	1.17324621	0.1666979	7.03815836	1.95E-12	1.01E-10
YCR077C	2348.33163	0.75479386	0.16649101	4.53354132	5.80E-06	9.28E-05
YCR079W	2174.65999	0.79927194	0.16289397	4.90670062	9.26E-07	1.87E-05
YCR081C-A	20.1169194	1.5126493	0.42170965	3.58694496	0.00033457	0.00320687
YCR081W	1413.49912	0.76828175	0.17223696	4.46060911	8.17E-06	0.00012709
YCR082W	1318.0754	0.97964938	0.17350044	5.64637975	1.64E-08	4.69E-07
YCR084C	742.493906	0.83053465	0.19350554	4.29204592	1.77E-05	0.00025098
YCR086W	123.248607	0.96961312	0.29465255	3.29069987	0.00099938	0.00779167
YCR087C-A	700.044964	1.08396753	0.21786126	4.97549471	6.51E-07	1.38E-05
YCR088W	814.116915	1.18414318	0.18915352	6.26022274	3.84E-10	1.42E-08
YCR089W	140.135764	1.74181242	0.33383815	5.21753555	1.81E-07	4.27E-06
YCR090C	2256.52104	0.81239102	0.16294878	4.98556048	6.18E-07	1.32E-05
YCR091W	224.677272	1.21398018	0.27703544	4.3820393	1.18E-05	0.00017653
YCR092C	2736.86356	0.58668506	0.18077676	3.24535657	0.00117304	0.00888546
YCR095C	2630.59406	0.91011595	0.17698835	5.14223647	2.71E-07	6.20E-06
YCR098C	458.063699	1.22995383	0.21548752	5.70777284	1.14E-08	3.36E-07
YCR099C	288.134681	1.7737206	0.24669443	7.18994989	6.48E-13	3.62E-11

YCR100C	484.933794	1.93271119	0.23105323	8.36478754	6.02E-17	5.48E-15
YCR101C	288.188737	1.68730609	0.2490242	6.77567117	1.24E-11	5.68E-10
YCR105W	194.649962	1.36713728	0.27102326	5.04435408	4.55E-07	9.91E-06
YCR106W	2994.17369	0.84884933	0.1821488	4.6601972	3.16E-06	5.43E-05
YDL021W	786.496082	-1.7239537	0.19339898	-8.9139751	4.92E-19	5.89E-17
YDL022W	468.497237	-0.9610129	0.21836018	-4.4010444	1.08E-05	0.00016459
YDL045C	671.475456	-0.66983	0.19262349	-3.4774056	0.00050629	0.00453209
YDL052C	610.232209	-0.7371998	0.20326731	-3.6267501	0.00028701	0.00282356
YDL055C	54024.7955	-0.6980365	0.16690446	-4.1822516	2.89E-05	0.00039275
YDL066W	10323.8428	-1.3801552	0.16186065	-8.5268115	1.50E-17	1.46E-15
YDL079C	3328.4041	-0.7662848	0.16065523	-4.7697467	1.84E-06	3.44E-05
YDL095W	8432.13216	-0.6293632	0.158156	-3.9793823	6.91E-05	0.00085784
YDL111C	1089.73648	-0.6152228	0.19466011	-3.1604973	0.001575	0.01117719
YDL124W	1379.57355	-1.7316708	0.18916362	-9.1543542	5.47E-20	7.41E-18
YDL125C	1523.77781	-0.8342553	0.17332721	-4.8131812	1.49E-06	2.85E-05
YDL131W	569.280333	-0.7928716	0.23288121	-3.4046181	0.00066257	0.00556337
YDL133C-A	4749.17561	-0.7316209	0.17015953	-4.2996174	1.71E-05	0.00024495
YDL140C	4795.45365	-0.8290513	0.15158333	-5.4692776	4.52E-08	1.18E-06
YDL148C	11437.7765	0.91791276	0.17585306	5.21977136	1.79E-07	4.23E-06
YDL153C	8683.5674	0.97848555	0.1691283	5.78546313	7.23E-09	2.25E-07
YDL154W	1045.87357	0.79011076	0.18170849	4.34823243	1.37E-05	0.00020164
YDL168W	5948.89938	-0.7957387	0.17570533	-4.528825	5.93E-06	9.39E-05
YDL195W	1826.42736	-0.8881126	0.18409252	-4.824273	1.41E-06	2.71E-05
YDL235C	981.752358	-0.822493	0.19743853	-4.1658181	3.10E-05	0.00042027
YDL239C	2002.54383	0.62636392	0.20130682	3.11148886	0.00186146	0.01273241
YDR001C	4440.12774	-1.1057969	0.17060167	-6.4817472	9.07E-11	3.48E-09
YDR003W	800.089245	-0.7987678	0.18315828	-4.3610794	1.29E-05	0.00019243
YDR009W	7020.97785	-0.9621421	0.16360837	-5.8807633	4.08E-09	1.33E-07
YDR019C	5775.20083	-1.1606685	0.15571053	-7.4540146	9.05E-14	5.63E-12
YDR032C	3373.48384	-1.0293241	0.20069717	-5.1287427	2.92E-07	6.59E-06
YDR034C	3213.27941	-0.5988078	0.18147252	-3.2997161	0.00096783	0.00759314
YDR040C	1144.45946	-0.8918626	0.21648057	-4.1198273	3.79E-05	0.00050466
YDR043C	110.717629	-1.0985582	0.30221859	-3.6349789	0.000278	0.00276011
YDR050C	35160.8663	-1.5002692	0.1480331	-10.134687	3.88E-24	7.28E-22
YDR054C	704.326714	-1.1151502	0.19687797	-5.6641696	1.48E-08	4.25E-07
YDR060W	22424.1127	0.64896472	0.15586648	4.16359391	3.13E-05	0.00042345
YDR063W	358.432735	-1.0515673	0.22177795	-4.7415321	2.12E-06	3.86E-05
YDR067C	311.776529	-0.803597	0.23184903	-3.4660358	0.00052819	0.00467749
YDR073W	319.880133	-0.800596	0.22567097	-3.5476252	0.00038872	0.00362331
YDR074W	1925.74047	-1.1500223	0.17140175	-6.7095131	1.95E-11	8.75E-10
YDR085C	1144.91373	-0.9428772	0.17611007	-5.3539087	8.61E-08	2.15E-06
YDR089W	2039.60969	-0.6824764	0.17893858	-3.8140258	0.00013672	0.00155205
YDR092W	333.142864	-0.7748485	0.23032545	-3.3641462	0.00076781	0.00629108
YDR110W	3612.82831	0.58385385	0.17744407	3.29035417	0.00100061	0.00779167
YDR111C	1439.78552	0.70523815	0.17524832	4.02422199	5.72E-05	0.00071998
YDR132C	448.592121	-0.8438174	0.23394679	-3.6068775	0.0003099	0.00301785
YDR135C	21371.4952	-0.9863394	0.19231816	-5.1286858	2.92E-07	6.59E-06
YDR151C	751.512542	-0.698341	0.18846382	-3.7054379	0.00021103	0.00220654
YDR178W	821.642677	1.22226918	0.24182082	5.05444154	4.32E-07	9.47E-06
YDR216W	2145.90802	-0.7709786	0.17035856	-4.5256231	6.02E-06	9.51E-05
YDR228C	592.119371	0.68784086	0.19453035	3.53590519	0.00040638	0.0037478
YDR260C	411.760746	-0.7788066	0.21887729	-3.5581884	0.00037342	0.00350807
YDR262W	1048.9145	-1.5111647	0.20803341	-7.2640482	3.76E-13	2.20E-11
YDR264C	16049.9315	-0.6103496	0.16129405	-3.78408	0.00015428	0.00171308
YDR270W	8243.67191	-0.6686879	0.17390484	-3.8451366	0.00012049	0.00138843
YDR273W	509.587599	0.72071685	0.21981185	3.27878982	0.00104253	0.00804466
YDR287W	1406.28079	-0.6385439	0.1752054	-3.6445447	0.00026787	0.00268386
YDR297W	597.578328	-0.83779	0.21687613	-3.8629886	0.00011201	0.00131056
YDR319C	940.223963	-0.6256413	0.18076234	-3.4611261	0.00053792	0.00471822
YDR340W	2896.58006	-2.0365265	0.18405936	-11.064509	1.86E-28	4.55E-26
YDR342C	580.463063	-1.9721152	0.22582527	-8.7329252	2.48E-18	2.69E-16
YDR353W	7056.2552	-1.1129296	0.16348116	-6.8076933	9.92E-12	4.65E-10
YDR356W	4122.56606	0.61275107	0.1753038	3.4953668	0.00047341	0.0042691
YDR358W	1327.00839	-0.6397482	0.18585517	-3.4421867	0.00057703	0.00498948

YDR365C	10709.6678	0.74746467	0.1713392	4.36248486	1.29E-05	0.00019166	
YDR366C	1374.54914	0.72192434	0.18909413	3.81780409	0.00013464	0.00153133	
YDR368W	3078.47612	-1.2233985	0.17043838	-7.1779521	7.08E-13	3.92E-11	
YDR380W	1983.69021	-1.317517	0.17788382	-7.4066155	1.30E-13	7.98E-12	
YDR384C	563.930025	-0.8896115	0.26831976	-3.3154901	0.00091483	0.00728039	
YDR399W	4032.06916	-0.8413724	0.21773716	-3.8641652	0.00011147	0.00130929	
YDR406W	4496.40867	-1.2882039	0.19107015	-6.7420468	1.56E-11	7.10E-10	
YDR410C	490.043674	-0.6501393	0.20652699	-3.1479627	0.00164413	0.01158682	
YDR412W	2179.18255	0.60605518	0.18171651	3.33516857	0.00085248	0.00686486	
YDR420W	726.698821	-0.6475543	0.18684394	-3.4657498	0.00052876	0.00467749	
YDR423C	1800.09598	-1.1524403	0.17239338	-6.6849451	2.31E-11	9.99E-10	
YDR456W	1756.10165	-0.5821193	0.18533416	-3.1409176	0.00168419	0.01180098	
YDR483W	1408.78067	-0.8035127	0.1869074	-4.2989881	1.72E-05	0.00024495	
YDR502C	674.268094	-1.3866973	0.20773677	-6.6752616	2.47E-11	1.05E-09	
YDR516C	10452.3099	-1.3300004	0.18645517	-7.1330841	9.81E-13	5.29E-11	
YDR533C	569.953429	-1.8908268	0.23796354	-7.9458676	1.93E-15	1.38E-13	
YDR539W	1646.43279	-0.6211172	0.17959566	-3.45842	0.00054335	0.0047522	
YEL002C	1918.64665	-0.6889944	0.16764318	-4.1098862	3.96E-05	0.00052232	
YEL006W	952.985679	-0.6592381	0.17870405	-3.6889936	0.00022514	0.00233017	
YEL009C	3181.89871	-0.6661907	0.17161946	-3.88179	0.00010369	0.00122972	
YEL011W	5986.31339	-1.1637441	0.17503481	-6.6486441	2.96E-11	1.24E-09	
YEL024W	1836.93666	0.65317115	0.20486184	3.1883495	0.00143087	0.01038406	
YEL042W	2160.75568	-0.6734338	0.18446922	-3.6506566	0.00026157	0.00265314	
YEL047C	1335.16985	-2.1422524	0.20712224	-10.342937	4.51E-25	9.15E-23	
YEL054C	6632.60388	-0.7326118	0.19586073	-3.7404734	0.00018367	0.0019609	
YEL060C	1762.23644	-1.2560858	0.18352185	-6.8443393	7.68E-12	3.69E-10	
YEL065W	14529.9934	-0.8909689	0.22955279	-3.8813244	0.00010389	0.00122972	
YEL066W	1055.16475	-0.836258	0.22198793	-3.7671327	0.00016513	0.00180404	
YEL071W	15715.8701	-1.8476714	0.22160979	-8.3374989	7.59E-17	6.70E-15	
YER002W	2603.83864	0.78917253	0.16342867	4.82885002	1.37E-06	2.66E-05	
YER019C-A	2769.8462	-0.6215522	0.16787563	-3.7024565	0.00021352	0.00222882	
YER024W	3728.96383	-1.1222113	0.18327996	-6.122935	9.19E-10	3.31E-08	
YER035W	352.445875	-0.986093	0.21911503	-4.5003438	6.78E-06	0.00010659	
YER037W	697.391176	-2.2160322	0.19552591	-11.333701	8.93E-30	2.48E-27	
YER044C	607.388958	-0.739137	0.20380969	-3.6266038	0.00028717	0.00282356	
YER053C	1083.70695	-0.6778875	0.21564868	-3.1434811	0.00166951	0.01172505	
YER054C	598.976292	-0.8075568	0.20322702	-3.9736683	7.08E-05	0.00087159	
YER056C	7558.19572	-0.7784934	0.15633317	-4.9797071	6.37E-07	1.35E-05	
YER060W-A	235.726252	0.90212799	0.2786522	3.23746949	0.00120595	0.00906627	
YER062C	1608.43734	-1.4144432	0.16500934	-8.5718978	1.02E-17	1.05E-15	
YER063W	1652.57689	-0.633968	0.20058552	-3.1605869	0.00157452	0.01117719	
YER064C	845.053619	-0.8459125	0.18832641	-4.4917357	7.06E-06	0.00011071	
YER070W	3361.90506	-1.0347087	0.17513264	-5.908143	3.46E-09	1.15E-07	
YER072W	517.815194	-1.5187593	0.20107092	-7.5533516	4.24E-14	2.72E-12	
YER074W	7523.89748	-0.6461183	0.16773275	-3.85207	0.00011712	0.00135224	
YER081W	1510.85619	-0.5950772	0.17443088	-3.4115356	0.00064598	0.00546172	
YER089C	1773.00325	-0.7240303	0.16771188	-4.3171082	1.58E-05	0.00022929	
YER091C	4599.111	-1.3558055	0.17366399	-7.807062	5.85E-15	4.05E-13	
YER100W	1133.08875	-0.5845814	0.17743312	-3.2946576	0.00098542	0.00770141	
YER124C	4836.47774	-1.055939	0.17391043	-6.0717403	1.27E-09	4.43E-08	
YER138W-A	301.183206	-1.2015778	0.24982624	-4.809654	1.51E-06	2.89E-05	
YER145C	13944.3221	-0.6300922	0.20129859	-3.1301373	0.00174725	0.01214506	
YER163C	1392.6247	-0.7656701	0.1709186	-4.4797357	7.47E-06	0.00011682	
YER165W	6290.86184	-0.5555092	0.17293327	-3.2122749	0.00131688	0.00975422	Expression change for YER165W(PAB1) was below significance cutoff used for RNAseq analysis (+/-0.57). Data was included for comparison with RT QPCR results
YER177W	25571.7759	-1.0718159	0.16051435	-6.6773837	2.43E-11	1.04E-09	
YFL010C	3386.91725	-0.9488203	0.20278718	-4.6788972	2.88E-06	4.99E-05	
YFL014W	1848.91549	-2.3296834	0.17080644	-13.639318	2.34E-42	1.30E-39	
YFL023W	3983.79559	0.99883593	0.18538821	5.38780729	7.13E-08	1.79E-06	
YFL031W	31920.0891	-0.8775986	0.16466001	-5.3297615	9.83E-08	2.43E-06	
YFL038C	13970.1899	-0.7420336	0.1901908	-3.9015221	9.56E-05	0.00114934	
YFL045C	17247.5517	-0.6405355	0.15348145	-4.173374	3.00E-05	0.00040747	
YFL053W	359.677171	-1.3011629	0.2319268	-5.6102311	2.02E-08	5.62E-07	
YFL064C	44.4401709	1.49418405	0.38903584	3.84073623	0.00012267	0.00141089	

YFR001W	2076.61841	0.76085001	0.20405396	3.72867072	0.00019249	0.00203368
YFR011C	931.435213	0.82261527	0.19114679	4.3035789	1.68E-05	0.00024277
YFR015C	1950.74126	-1.4293834	0.17050011	-8.3834747	5.14E-17	4.82E-15
YFR047C	1497.96508	-0.6224042	0.17390836	-3.5789204	0.00034502	0.00329658
YFR052C-A	1569.46531	-1.474642	0.17788483	-8.2898693	1.13E-16	9.60E-15
YFR053C	27323.842	-1.5939426	0.17372303	-9.1751945	4.51E-20	6.25E-18
YGL009C	13749.4713	-1.8714354	0.15555539	-12.030669	2.45E-33	8.79E-31
YGL012W	11675.4557	-0.8225401	0.15235841	-5.3987183	6.71E-08	1.71E-06
YGL029W	1281.56451	0.73943355	0.20163932	3.66710992	0.00024531	0.00250485
YGL030W	4869.3019	-0.9018075	0.15704619	-5.7423073	9.34E-09	2.86E-07
YGL037C	5603.06899	-1.6028388	0.172895	-9.2705904	1.85E-20	2.62E-18
YGL039W	1419.64357	-0.7595778	0.24333995	-3.1214675	0.00179952	0.01246577
YGL078C	4640.38349	0.60909868	0.18849633	3.2313556	0.00123205	0.00923807
YGL089C	313.710997	0.96358749	0.29140116	3.30673872	0.00094389	0.00744366
YGL091C	2526.71472	-0.6118805	0.15955342	-3.8349568	0.00012559	0.00143905
YGL121C	614.495635	-1.1704112	0.23411025	-4.999402	5.75E-07	1.23E-05
YGL138C	29.7801667	1.30046339	0.41165356	3.15912095	0.00158246	0.01121705
YGL156W	3501.8366	-0.8236586	0.17193956	-4.7903964	1.66E-06	3.16E-05
YGL170C	79.5115404	1.11493848	0.33513282	3.32685553	0.00087832	0.00704504
YGL205W	807.030401	-0.7341893	0.21242063	-3.4562994	0.00054765	0.0047606
YGL234W	8887.62302	-0.7119291	0.17998997	-3.9553823	7.64E-05	0.00093349
YGL246C	3238.87712	0.78317951	0.16610836	4.71487104	2.42E-06	4.31E-05
YGL247W	2149.50968	2.98531957	0.18943764	15.7588508	5.97E-56	6.07E-53
YGL248W	9923.4308	3.25447052	0.16882367	19.2773353	8.33E-83	2.54E-79
YGL253W	74406.7746	-0.6197412	0.18683052	-3.3171305	0.00090947	0.00725411
YGL255W	1900.81411	-2.0456361	0.22568166	-9.0642547	1.25E-19	1.59E-17
YGL263W	124.702233	2.34054582	0.32998193	7.09295157	1.31E-12	6.90E-11
YGR008C	1580.66772	-1.1834836	0.18105129	-6.5367309	6.29E-11	2.44E-09
YGR014W	1081.50838	-1.2599242	0.18281792	-6.8916886	5.51E-12	2.71E-10
YGR019W	869.23596	-0.7245215	0.19863655	-3.6474733	0.00026483	0.00267287
YGR027C	8552.50402	-0.6461291	0.1814657	-3.5606128	0.00036999	0.00348603
YGR032W	18821.4466	-1.3439343	0.17386122	-7.7299253	1.08E-14	7.21E-13
YGR043C	582.417312	-1.1845793	0.20004786	-5.9214795	3.19E-09	1.07E-07
YGR044C	2346.56826	-0.9623026	0.17249899	-5.5785986	2.42E-08	6.57E-07
YGR055W	5250.76743	-1.1843453	0.17416089	-6.8002942	1.04E-11	4.86E-10
YGR059W	141.816806	1.07710064	0.31506432	3.41866911	0.00062928	0.00534276
YGR060W	2390.01441	-0.6870799	0.18538441	-3.7062443	0.00021036	0.00220331
YGR086C	3637.7061	-0.6884102	0.15569682	-4.4214788	9.80E-06	0.00015052
YGR088W	340.85372	-1.0482369	0.23520272	-4.456738	8.32E-06	0.00012895
YGR153W	457.904482	-0.9890835	0.2174243	-4.5490935	5.39E-06	8.81E-05
YGR157W	12416.7655	-0.8080025	0.16572509	-4.8755592	1.09E-06	2.17E-05
YGR161W-C	190.73547	-0.9639638	0.25718795	-3.7480908	0.00017819	0.00191322
YGR175C	19545.8887	-0.6853071	0.17117628	-4.003517	6.24E-05	0.00078119
YGR192C	36731.7541	-0.7198812	0.14847687	-4.8484403	1.24E-06	2.44E-05
YGR196C	1849.15205	0.61456612	0.18471059	3.32718405	0.00087728	0.00704504
YGR204W	5279.44888	-1.189573	0.17095476	-6.9584082	3.44E-12	1.72E-10
YGR205W	1215.22082	-0.8217071	0.17175325	-4.7842304	1.72E-06	3.25E-05
YGR209C	2963.27766	-1.0971439	0.21236047	-5.1664223	2.39E-07	5.47E-06
YGR233C	2672.2502	-1.106239	0.16745202	-6.6063041	3.94E-11	1.61E-09
YGR234W	66329.6766	-0.7199656	0.17184292	-4.1896727	2.79E-05	0.00038183
YGR240C	23071.7751	-0.9129454	0.15993365	-5.7082762	1.14E-08	3.36E-07
YGR248W	191.348682	-0.9621048	0.27790107	-3.4620405	0.0005361	0.00471752
YGR254W	42015.5953	-2.9693606	0.18339224	-16.191309	5.81E-59	7.08E-56
YGR256W	554.076794	-1.2320249	0.22431801	-5.4923138	3.97E-08	1.04E-06
YGR267C	2532.64538	-0.6195762	0.18954994	-3.2686701	0.00108054	0.00828552
YGR287C	711.26111	-0.6887189	0.19627164	-3.5090086	0.00044978	0.00408015
YGR292W	427.474073	-1.2281239	0.21509163	-5.7097709	1.13E-08	3.36E-07
YHL015W	21682.2493	-1.0492115	0.22748552	-4.612212	3.98E-06	6.60E-05
YHL021C	522.703546	-0.8772877	0.20484633	-4.2826625	1.85E-05	0.00026059
YHL024W	1043.28426	-1.1164407	0.20701406	-5.393067	6.93E-08	1.74E-06
YHL034C	6765.13378	-0.9698911	0.16762886	-5.7859433	7.21E-09	2.25E-07
YHL035C	6141.78875	-1.1035282	0.16696954	-6.6091589	3.87E-11	1.59E-09
YHL036W	575.020612	-1.1177022	0.25444495	-4.3927072	1.12E-05	0.00016934

YHL040C	2815.92345	-2.0815195	0.17072138	-12.192495	3.41E-34	1.30E-31
YHL047C	5114.35776	-1.2810804	0.39515756	-3.2419483	0.00118716	0.00897607
YHL048W	210.089815	1.3007338	0.27281667	4.76779442	1.86E-06	3.45E-05
YHL050C	413.551395	2.07808471	0.242608	8.56560672	1.08E-17	1.09E-15
YHR007C	9077.19975	-0.6006325	0.17719363	-3.389696	0.0006997	0.00580324
YHR029C	1385.81374	-0.8599605	0.17507694	-4.9119008	9.02E-07	1.83E-05
YHR041C	1006.96824	-0.7001252	0.18797065	-3.7246515	0.00019559	0.00206278
YHR043C	4054.04924	-0.607101	0.16969351	-3.5776326	0.00034672	0.00330251
YHR048W	375.552877	-1.5991373	0.24353472	-6.5663625	5.16E-11	2.03E-09
YHR049W	2937.888	-0.9904328	0.17591925	-5.6300419	1.80E-08	5.11E-07
YHR062C	725.44881	-0.7100044	0.23109464	-3.0723533	0.00212378	0.01408768
YHR068W	1054.21314	-0.7748002	0.20110245	-3.8527636	0.00011679	0.00135098
YHR071W	1570.20836	-0.9045578	0.19127858	-4.7290073	2.26E-06	4.05E-05
YHR081W	940.089709	0.86433006	0.19076453	4.53087409	5.87E-06	9.35E-05
YHR087W	100.492782	-1.0817284	0.31647099	-3.4180967	0.00063061	0.00534657
YHR092C	6647.01922	-0.8610919	0.15055148	-5.7195846	1.07E-08	3.22E-07
YHR096C	374.362637	-0.772968	0.22621204	-3.4170067	0.00063314	0.00536056
YHR098C	2283.54965	-0.6072209	0.17481523	-3.473501	0.00051372	0.00457838
YHR107C	3048.6537	-0.6849788	0.18790145	-3.6454155	0.00026696	0.00268104
YHR110W	1113.87713	-0.7031808	0.18506221	-3.7996997	0.00014487	0.0016264
YHR112C	1821.16463	-0.8640891	0.18677754	-4.6263011	3.72E-06	6.20E-05
YHR136C	80.9113684	-1.6829761	0.33979063	-4.9529796	7.31E-07	1.52E-05
YHR137W	1339.31587	-1.0827575	0.17697243	-6.118227	9.46E-10	3.39E-08
YHR142W	1293.96497	-0.8290915	0.17843041	-4.6465816	3.37E-06	5.75E-05
YHR162W	6537.16493	-0.9477123	0.19098033	-4.9623554	6.96E-07	1.46E-05
YHR163W	2058.02912	-0.7676074	0.169463	-4.5296463	5.91E-06	9.38E-05
YHR174W	116301.067	-1.2845165	0.14711552	-8.7313458	2.52E-18	2.69E-16
YHR179W	10855.3894	-2.205841	0.16472043	-13.391423	6.79E-41	3.45E-38
YHR199C	1970.09329	-1.1554391	0.16138699	-7.1594317	8.10E-13	4.41E-11
YHR203C	12444.5551	-0.7551795	0.20854568	-3.6211708	0.00029327	0.00287426
YHR208W	1440.76947	-1.8706649	0.18853714	-9.9219969	3.34E-23	5.66E-21
YHR215W	139.297027	-1.2796563	0.30261659	-4.228639	2.35E-05	0.00032573
YIL008W	1057.45141	0.66325138	0.18741003	3.53903879	0.00040159	0.00372048
YIL009C-A	369.851206	-0.7147088	0.23177467	-3.0836364	0.00204487	0.01368337
YIL010W	384.827095	-1.099395	0.21616806	-5.0858346	3.66E-07	8.08E-06
YIL037C	81.6527493	1.15849463	0.34927391	3.31686563	0.00091033	0.00725411
YIL045W	303.249001	-0.7687075	0.23197056	-3.3138148	0.00092032	0.00729557
YIL051C	2316.80757	-0.8511407	0.1971722	-4.3167382	1.58E-05	0.00022929
YIL053W	497.862914	-1.458174	0.21112795	-6.9065891	4.96E-12	2.46E-10
YIL057C	733.719108	-1.3272378	0.28014251	-4.7377236	2.16E-06	3.91E-05
YIL062C	1790.23504	-0.9237979	0.19526911	-4.7308963	2.24E-06	4.02E-05
YIL074C	2986.51651	-0.7144988	0.16618126	-4.2995146	1.71E-05	0.00024495
YIL088C	4394.88152	-0.6070313	0.16427391	-3.6952385	0.00021968	0.00228138
YIL089W	154.106667	0.90953227	0.28397362	3.20287596	0.00136063	0.01000528
YIL094C	11380.403	-0.9754251	0.22756377	-4.2863812	1.82E-05	0.00025686
YIL111W	531.631513	-0.7694966	0.20259308	-3.7982371	0.00014573	0.00163302
YIL112W	8365.59009	0.59573665	0.16311438	3.65226324	0.00025994	0.00264184
YIL116W	2669.70054	-0.6528979	0.18558589	-3.5180365	0.00043475	0.00397339
YIL117C	593.671108	-0.9239312	0.2249987	-4.1063845	4.02E-05	0.00052801
YIL121W	2526.14322	-0.6108622	0.15959307	-3.8276234	0.00012939	0.00147981
YIL124W	1172.02766	-0.886037	0.17925971	-4.9427559	7.70E-07	1.59E-05
YIL145C	3017.08577	-0.5833312	0.1858325	-3.139016	0.00169516	0.01182347
YIL160C	222.423817	-0.9776757	0.25100306	-3.8950748	9.82E-05	0.00117802
YIL162W	27512.2329	-0.9330707	0.18562903	-5.0265343	4.99E-07	1.08E-05
YIL166C	419.709391	1.35966975	0.23198038	5.86114104	4.60E-09	1.48E-07
YIR016W	1816.98752	-0.6843382	0.18210971	-3.7578347	0.00017139	0.00185576
YIR018W	746.491727	-0.9368602	0.19355775	-4.84021	1.30E-06	2.53E-05
YIR025W	461.034147	0.65840514	0.21421291	3.07360158	0.00211492	0.01405947
YIR035C	2310.52775	-0.6443032	0.16637026	-3.8727064	0.00010763	0.00126667
YIR042C	293.859324	2.25392959	0.29038904	7.76175857	8.38E-15	5.74E-13
YJL012C	10857.6805	-1.6302633	0.15343838	-10.624873	2.28E-26	5.35E-24
YJL016W	919.025328	-0.6693615	0.17687746	-3.7843234	0.00015413	0.00171308
YJL026W	5059.27352	-0.7806503	0.15486979	-5.0406882	4.64E-07	1.01E-05

YJL033W	6002.93096	0.72316822	0.1874938	3.8570247	0.00011478	0.00133525
YJL035C	656.893877	1.14923854	0.18988393	6.05232128	1.43E-09	4.95E-08
YJL050W	15411.3473	0.64606018	0.15884529	4.06722903	4.76E-05	0.00061445
YJL052W	25611.3834	-5.4921286	0.18912506	-29.039666	2.08E-185	1.27E-181
YJL071W	1982.17897	0.61077823	0.16059442	3.80323451	0.00014282	0.00161262
YJL074C	5121.07269	0.60423275	0.16003819	3.77555356	0.00015965	0.00175993
YJL101C	5852.75553	-1.3323646	0.20243881	-6.5815671	4.66E-11	1.85E-09
YJL107C	552.983847	-0.6060339	0.19489042	-3.1096133	0.00187332	0.01275953
YJL112W	4299.0452	0.64299706	0.16822976	3.82213624	0.0001323	0.00151031
YJL117W	2585.4062	-0.7458411	0.1826842	-4.0826797	4.45E-05	0.00057989
YJL133C-A	164.363902	-1.9152645	0.3417068	-5.6049937	2.08E-08	5.72E-07
YJL141C	573.469793	-0.653854	0.19557588	-3.343224	0.00082811	0.00671298
YJL151C	669.138499	-1.1097954	0.21467695	-5.1696068	2.35E-07	5.40E-06
YJL171C	3437.82583	-1.2741924	0.1659991	-7.6758992	1.64E-14	1.08E-12
YJL172W	733.91143	-0.9352239	0.1988413	-4.7033684	2.56E-06	4.52E-05
YJL189W	8251.21329	0.77547623	0.16344319	4.74462256	2.09E-06	3.82E-05
YJL196C	3964.34131	-0.662565	0.17387618	-3.8105564	0.00013865	0.00157107
YJL212C	597.397609	-1.14138	0.19500666	-5.8530307	4.83E-09	1.55E-07
YJL213W	732.938975	-0.8393202	0.23848495	-3.5193843	0.00043255	0.00395919
YJL217W	2772.57788	-1.6217479	0.22508895	-7.2049201	5.81E-13	3.28E-11
YJL218W	222.93449	-1.0899897	0.29333502	-3.7158527	0.00020252	0.00212489
YJR004C	315.087802	0.97272728	0.25713098	3.78300303	0.00015495	0.00171738
YJR008W	1182.62638	-0.6983121	0.17536401	-3.9820721	6.83E-05	0.00084992
YJR009C	25769.7496	-1.7119615	0.17857628	-9.5867239	9.09E-22	1.39E-19
YJR017C	521.43807	-0.928967	0.21992337	-4.2240489	2.40E-05	0.00033169
YJR048W	3725.65585	0.60349201	0.19375893	3.11465393	0.00184161	0.01265665
YJR059W	1004.71565	-0.5932051	0.17878456	-3.3179884	0.00090668	0.00724395
YJR073C	1414.04275	-1.1240705	0.17440993	-6.4449911	1.16E-10	4.40E-09
YJR074W	1257.70511	-0.7780123	0.19090765	-4.0753335	4.59E-05	0.00059596
YJR078W	1300.43821	-1.5427973	0.1712547	-9.008788	2.08E-19	2.59E-17
YJR096W	987.838139	-0.9399658	0.17586098	-5.3449366	9.04E-08	2.25E-06
YJR099W	546.066903	-0.6797874	0.19668023	-3.4563078	0.00054763	0.0047606
YJR103W	5183.62435	-1.0483902	0.15928235	-6.5819609	4.64E-11	1.85E-09
YJR104C	11897.7669	-0.938572	0.19110871	-4.9111945	9.05E-07	1.83E-05
YJR117W	257.210965	0.83553082	0.23936608	3.49059821	0.00048194	0.0043396
YJR119C	697.988151	-0.6104159	0.19011509	-3.2107704	0.0013238	0.00978165
YJR135W-A	404.86906	0.72954918	0.22310996	3.26990863	0.00107582	0.00826116
YJR145C	15270.1439	-0.6562913	0.19652826	-3.3394244	0.00083952	0.00677844
YJR148W	8618.1015	-1.0383326	0.22708802	-4.5723793	4.82E-06	7.92E-05
YKL005C	1738.98276	0.58094522	0.17375648	3.34344497	0.00082745	0.00671298
YKL007W	2196.69222	-0.8056818	0.1831167	-4.399827	1.08E-05	0.00016511
YKL008C	680.233932	-1.1427979	0.20263319	-5.6397368	1.70E-08	4.85E-07
YKL015W	4311.5523	-0.6269145	0.1534676	-4.0849955	4.41E-05	0.00057537
YKL018C-A	430.922887	0.6839444	0.22148593	3.08798127	0.00201521	0.01354436
YKL019W	952.908536	-0.6200068	0.18580598	-3.3368504	0.00084734	0.00683248
YKL035W	5426.36096	-0.6328399	0.15556308	-4.0680594	4.74E-05	0.00061356
YKL039W	2966.39349	-0.7503113	0.15870627	-4.7276726	2.27E-06	4.06E-05
YKL060C	71566.4605	-1.4621157	0.15086953	-9.6912594	3.28E-22	5.13E-20
YKL069W	1497.13636	-0.6755312	0.17113787	-3.9472925	7.90E-05	0.00096366
YKL071W	300.643134	-1.2787796	0.31742056	-4.0286604	5.61E-05	0.00071093
YKL078W	1475.47841	0.66504764	0.20789262	3.19899593	0.00137907	0.01009222
YKL082C	3703.03117	0.91929852	0.17636779	5.21239446	1.86E-07	4.35E-06
YKL091C	1145.42118	-0.6003303	0.17323543	-3.4654014	0.00052944	0.00467749
YKL103C	2814.18524	-1.7823776	0.21774762	-8.1855203	2.71E-16	2.09E-14
YKL120W	2907.65933	-2.6966534	0.19458202	-13.858698	1.13E-43	7.63E-41
YKL125W	4894.4254	0.848738	0.17377094	4.88423434	1.04E-06	2.08E-05
YKL128C	2329.63449	-0.646447	0.18535189	-3.4876742	0.00048724	0.00437441
YKL141W	572.090036	0.78489606	0.23308543	3.367418	0.00075876	0.00622527
YKL142W	2648.02202	-1.0740115	0.18366197	-5.8477623	4.98E-09	1.59E-07
YKL143W	5211.0285	0.73422705	0.20585724	3.56668077	0.00036153	0.00341689
YKL151C	2381.54197	-0.8249096	0.16960341	-4.8637559	1.15E-06	2.27E-05
YKL152C	46471.9101	-1.9236295	0.15117074	-12.72488	4.30E-37	1.87E-34
YKL155C	3905.20065	0.65591068	0.15943051	4.11408497	3.89E-05	0.00051514
YKL161C	1076.61779	-1.1145016	0.19456281	-5.7282357	1.01E-08	3.08E-07

YKL172W	4307.34432	0.73438918	0.18488576	3.972124	7.12E-05	0.0008755
YKL182W	48802.0972	-0.6267916	0.15756995	-3.9778627	6.95E-05	0.00086159
YKL192C	398.060776	0.72971031	0.21282722	3.42865129	0.00060659	0.00519777
YKL207W	2907.88284	-0.6011904	0.16574173	-3.6272722	0.00028643	0.00282356
YKR011C	428.53113	-0.7417296	0.20731424	-3.5778032	0.00034649	0.00330251
YKR012C	57.19011	1.30997437	0.36495742	3.58938961	0.00033145	0.00318195
YKR015C	362.845118	1.65913653	0.27510111	6.03100626	1.63E-09	5.61E-08
YKR024C	5868.47884	0.6231106	0.18809133	3.31280876	0.00092364	0.00730287
YKR039W	1601.33095	-1.3552617	0.18107777	-7.4844182	7.19E-14	4.52E-12
YKR042W	638.525328	0.83331831	0.1895455	4.39640263	1.10E-05	0.00016731
YKR049C	280.218859	-0.7639447	0.2336323	-3.269859	0.00107601	0.00826116
YKR052C	1666.85697	-1.1285089	0.17866254	-6.3164268	2.68E-10	1.01E-08
YKR059W	5079.19235	-0.7210337	0.17497931	-4.1206794	3.78E-05	0.0005039
YKR071C	1198.68927	-1.0031972	0.18232238	-5.5023263	3.75E-08	9.98E-07
YKR074W	1405.49123	-0.7394436	0.18623367	-3.970515	7.17E-05	0.00087789
YKR076W	2235.8413	-2.4707629	0.24291956	-10.171116	2.67E-24	5.25E-22
YKR093W	3544.13136	-0.8234388	0.1620547	-5.0812394	3.75E-07	8.25E-06
YKR106W	174.522891	0.94671126	0.26337341	3.59455895	0.00032494	0.00313425
YLL005C	94.5603338	1.15954121	0.34889243	3.32349201	0.00088898	0.00712118
YLL008W	14714.4435	0.81373891	0.17031574	4.77782553	1.77E-06	3.34E-05
YLL026W	9529.86911	-0.746147	0.15919871	-4.686891	2.77E-06	4.85E-05
YLL049W	300.600968	-0.931683	0.2463654	-3.7817119	0.00015575	0.00172318
YLL050C	5815.72627	-0.6433717	0.1762648	-3.6500292	0.00026221	0.00265521
YLL051C	1852.14334	-1.105946	0.18773205	-5.891088	3.84E-09	1.26E-07
YLL053C	400.523001	-0.9855433	0.25970594	-3.7948431	0.00014774	0.00164946
YLL060C	1939.51302	-1.5681356	0.22865825	-6.8579884	6.98E-12	3.38E-10
YLL062C	652.54713	-0.7552294	0.19572804	-3.8585653	0.00011405	0.0013294
YLR015W	2554.8057	0.6814565	0.17647046	3.86158958	0.00011265	0.00131556
YLR027C	11260.3168	-0.6633218	0.2001395	-3.3142975	0.00091874	0.00729247
YLR034C	1694.55882	-0.6772657	0.16657841	-4.0657474	4.79E-05	0.00061706
YLR040C	165.465021	0.89081528	0.27685476	3.21762671	0.00129256	0.00958569
YLR044C	23589.8788	-0.912028	0.16065648	-5.6768829	1.37E-08	3.98E-07
YLR046C	659.85644	-0.6640868	0.19312139	-3.4387013	0.00058451	0.00503986
YLR047C	1075.2538	-0.6428753	0.18296772	-3.5135997	0.00044208	0.00402827
YLR056W	13638.6426	-1.1700656	0.19287781	-6.0663567	1.31E-09	4.56E-08
YLR058C	1845.03174	-1.1757405	0.16545491	-7.1061081	1.19E-12	6.33E-11
YLR068W	1036.68973	0.81219119	0.19538935	4.15678323	3.23E-05	0.0004353
YLR079W	731.324183	-0.8632577	0.19041713	-4.5335086	5.80E-06	9.28E-05
YLR081W	171041.985	-0.6737944	0.14518702	-4.6408722	3.47E-06	5.86E-05
YLR092W	595.65403	-1.2832736	0.2624393	-4.8897922	1.01E-06	2.03E-05
YLR093C	2653.93638	-0.5894759	0.1660919	-3.5490947	0.00038656	0.00360866
YLR099C	679.986422	-0.7270647	0.23356679	-3.1128772	0.00185273	0.01270444
YLR108C	1011.19568	-1.73998	0.22237467	-7.824542	5.10E-15	3.61E-13
YLR109W	2621.44383	-0.9965275	0.20929782	-4.7612894	1.92E-06	3.55E-05
YLR120C	1642.41645	-0.8396773	0.1797674	-4.6709098	3.00E-06	5.18E-05
YLR126C	1340.63904	-0.8757379	0.22414482	-3.9070182	9.34E-05	0.00112574
YLR130C	2868.17784	-0.6517075	0.17457981	-3.7330062	0.00018921	0.00200943
YLR136C	929.145879	-2.1883694	0.26230808	-8.3427451	7.26E-17	6.51E-15
YLR172C	1037.9322	-0.7360384	0.21019761	-3.5016498	0.00046239	0.00418206
YLR177W	956.700048	-0.8558198	0.18365449	-4.6599445	3.16E-06	5.43E-05
YLR178C	762.035369	-0.6902757	0.19410786	-3.5561449	0.00037634	0.00352404
YLR179C	1642.90912	-1.2452305	0.18528308	-6.7206922	1.81E-11	8.17E-10
YLR205C	2739.86816	-0.7976706	0.16443933	-4.8508504	1.23E-06	2.42E-05
YLR213C	369.33526	-0.9036829	0.24446309	-3.6966025	0.0002185	0.00227304
YLR214W	8788.36521	-0.9717059	0.19074562	-5.0942502	3.50E-07	7.79E-06
YLR251W	513.240635	-0.845052	0.23266676	-3.632027	0.0002812	0.00278282
YLR252W	215.598542	-0.9115524	0.26315414	-3.4639485	0.00053231	0.00469602
YLR255C	67.9607043	1.3763207	0.35625673	3.86328332	0.00011187	0.00131056
YLR256W	6144.38733	-1.7793235	0.16874743	-10.5443	5.40E-26	1.18E-23
YLR258W	5318.43895	-1.3982749	0.17023149	-8.2139616	2.14E-16	1.67E-14
YLR267W	459.125381	-1.6485122	0.22780302	-7.2365689	4.60E-13	2.65E-11
YLR270W	2734.22612	-0.8523516	0.18424182	-4.6262655	3.72E-06	6.20E-05
YLR284C	923.197028	-0.7630084	0.18571525	-4.1084856	3.98E-05	0.00052436
YLR295C	626.771934	0.61317304	0.1891734	3.24132803	0.00118974	0.00897607

YLR300W	8024.75797	-1.4372597	0.17156794	-8.3772043	5.42E-17	5.01E-15
YLR303W	3061.37533	-1.3816818	0.21030018	-6.5700458	5.03E-11	1.99E-09
YLR319C	3912.67543	0.58733809	0.16111686	3.64541658	0.00026696	0.00268104
YLR327C	3117.05406	-1.5151617	0.18370102	-8.2479765	1.61E-16	1.29E-14
YLR328W	1114.36954	-0.7321523	0.19444277	-3.7653871	0.00016629	0.00181222
YLR336C	6365.99732	0.61875299	0.16046338	3.85603855	0.00011524	0.00133809
YLR340W	19721.4052	-0.5994318	0.17528836	-3.4196898	0.00062693	0.00533018
YLR342W	49666.8038	-0.606468	0.17670064	-3.4321775	0.00059876	0.00515539
YLR346C	699.265114	-2.129717	0.24915113	-8.5478923	1.25E-17	1.25E-15
YLR348C	2303.80836	-1.3008435	0.18535793	-7.0180082	2.25E-12	1.15E-10
YLR351C	1395.90246	-0.7557798	0.17674861	-4.2760156	1.90E-05	0.00026725
YLR354C	17151.7008	-0.6323902	0.17429272	-3.6283225	0.00028527	0.00281847
YLR355C	25431.4784	-1.1295883	0.22892379	-4.9343419	8.04E-07	1.66E-05
YLR414C	1752.6749	-1.0681809	0.18683915	-5.7171147	1.08E-08	3.25E-07
YLR432W	2876.62326	-0.9478055	0.17518744	-5.4102366	6.29E-08	1.62E-06
YLR448W	3810.23629	-0.9989933	0.21061388	-4.7432455	2.10E-06	3.84E-05
YLR452C	1679.61422	0.64349397	0.18018399	3.57131592	0.00035519	0.00336219
YLR460C	349.781383	-1.0320612	0.23752633	-4.3450391	1.39E-05	0.00020406
YML051W	3402.16473	-0.8592235	0.1829178	-4.6973202	2.64E-06	4.64E-05
YML065W	3873.10687	0.66141497	0.16455923	4.01931254	5.84E-05	0.00073212
YML072C	8527.65005	-0.730091	0.15762225	-4.631903	3.62E-06	6.07E-05
YML081C-A	340.414031	0.90194287	0.22248575	4.05393537	5.04E-05	0.00064771
YML085C	6465.88515	-0.5982289	0.17462501	-3.4257913	0.00061301	0.00522646
YML093W	4643.85866	1.02729742	0.17467189	5.88129791	4.07E-09	1.33E-07
YML100W	3286.6206	-1.7838991	0.22047378	-8.0912075	5.91E-16	4.39E-14
YML106W	7874.37491	-0.6481907	0.16479098	-3.933411	8.37E-05	0.00101498
YML107C	497.986957	-0.6585015	0.21159538	-3.1120789	0.00185775	0.01272453
YML116W	2693.85161	-1.2752775	0.39565371	-3.2232164	0.0012676	0.00943398
YML123C	2016.1757	-3.6808278	0.20651286	-17.823722	4.63E-71	9.40E-68
YML128C	3762.29012	-0.9644741	0.16789552	-5.7444898	9.22E-09	2.84E-07
YML131W	3603.87934	-2.7907145	0.23736918	-11.756852	6.51E-32	1.89E-29
YMR010W	1070.27581	-0.8155881	0.19349593	-4.2150143	2.50E-05	0.00034369
YMR011W	7366.64303	-1.0534449	0.22469896	-4.6882503	2.76E-06	4.83E-05
YMR020W	1888.74651	-0.6269729	0.16177802	-3.8755136	0.0001064	0.00125457
YMR038C	2911.26855	-1.6313241	0.16099096	-10.133017	3.94E-24	7.28E-22
YMR041C	798.861301	-0.9542577	0.18263381	-5.2249779	1.74E-07	4.13E-06
YMR058W	19178.9799	-1.4404676	0.19976529	-7.2108003	5.56E-13	3.17E-11
YMR062C	5071.29921	0.61258714	0.17124778	3.57719747	0.0003473	0.00330285
YMR079W	2216.70272	-0.6888626	0.18142662	-3.7969215	0.0001465	0.0016387
YMR083W	14084.8897	-1.0562009	0.18342797	-5.7581235	8.51E-09	2.63E-07
YMR095C	474.80987	-1.5162298	0.26663708	-5.6864926	1.30E-08	3.78E-07
YMR096W	1134.53	-1.1375208	0.20244323	-5.6189617	1.92E-08	5.40E-07
YMR099C	4904.41236	-0.5880591	0.16350922	-3.5964889	0.00032254	0.00311602
YMR103C	992.314554	-0.6893269	0.17725785	-3.8888372	0.00010073	0.00120161
YMR104C	4236.26841	-0.6295207	0.15240799	-4.1304968	3.62E-05	0.00048497
YMR105C	13347.9176	-1.5104178	0.19487827	-7.7505706	9.15E-15	6.20E-13
YMR107W	69.4253746	-1.0906667	0.35026847	-3.1138022	0.00184693	0.01267894
YMR108W	10639.9276	-0.8377497	0.16459821	-5.0896646	3.59E-07	7.95E-06
YMR112C	215.317601	0.7889238	0.24862981	3.17308614	0.00150828	0.01084252
YMR120C	2893.31954	-1.5256204	0.18519428	-8.2379455	1.75E-16	1.39E-14
YMR128W	6768.22435	0.59870523	0.18606651	3.21769472	0.00129225	0.00958569
YMR170C	973.612683	-0.6177085	0.18148598	-3.4036156	0.000665	0.0055686
YMR173W	266.393891	-1.3007751	0.28787099	-4.5186045	6.22E-06	9.81E-05
YMR185W	2118.67742	0.71466276	0.17384515	4.11091582	3.94E-05	0.00052113
YMR189W	4639.24787	-1.3400038	0.20267851	-6.6114748	3.81E-11	1.58E-09
YMR202W	4473.93797	-0.8088856	0.17835962	-4.5351387	5.76E-06	9.28E-05
YMR205C	9860.59136	-1.0752074	0.17028	-6.3143489	2.71E-10	1.01E-08
YMR225C	172.125391	1.06750992	0.26843455	3.9767978	6.98E-05	0.0008637
YMR227C	1571.7156	0.61119685	0.17962167	3.40268995	0.00066726	0.00557972
YMR236W	838.008379	-1.0473312	0.20228897	-5.1774015	2.25E-07	5.22E-06
YMR239C	2851.45058	0.72953395	0.19828149	3.67928411	0.00023389	0.00240032
YMR246W	3979.51476	-0.639595	0.20066944	-3.1873066	0.00143604	0.01040919
YMR250W	2197.50701	-1.0221294	0.19757605	-5.1733465	2.30E-07	5.31E-06
YMR251W	317.478536	-1.0258928	0.25424401	-4.0350718	5.46E-05	0.00069324

YMR251W-A	4048.54438	-1.090087	0.21795094	-5.0015245	5.69E-07	1.22E-05
YMR266W	3513.75446	-0.8213958	0.16275561	-5.0468052	4.49E-07	9.82E-06
YMR269W	797.858839	0.65054452	0.19386198	3.35570962	0.00079162	0.00646876
YMR272C	760.396186	-0.6695846	0.18893741	-3.5439494	0.00039418	0.00366859
YMR282C	3637.00034	0.61162347	0.16156126	3.78570621	0.00015327	0.00170814
YMR291W	845.682718	-1.9337528	0.18552063	-10.423384	1.94E-25	4.08E-23
YMR294W	960.275555	0.6688376	0.18408891	3.63323128	0.00027989	0.00277436
YMR295C	6231.62362	-0.7737386	0.17756474	-4.3575013	1.32E-05	0.00019465
YMR297W	8779.05836	-0.6400247	0.15173868	-4.2179405	2.47E-05	0.00034003
YMR303C	3454.65629	-2.9663993	0.24226216	-12.244584	1.80E-34	7.30E-32
YMR307W	12184.1688	-0.6308741	0.17426034	-3.6202964	0.00029427	0.00287936
YMR316W	705.442103	-1.4471889	0.18823972	-7.6880105	1.49E-14	9.90E-13
YMR318C	58786.0391	-1.0834862	0.14952505	-7.2461854	4.29E-13	2.49E-11
YNL003C	1865.40969	-0.5845653	0.16187871	-3.6111313	0.00030486	0.00297352
YNL009W	674.512716	-0.9281061	0.20780024	-4.4663381	7.96E-06	0.00012406
YNL012W	346.535876	-0.9998884	0.21987421	-4.5475472	5.43E-06	8.85E-05
YNL031C	11317.3856	-1.0999792	0.18587547	-5.9178285	3.26E-09	1.09E-07
YNL045W	1465.5471	-0.6137854	0.16680447	-3.6796701	0.00023354	0.00240032
YNL046W	483.980459	-0.6593398	0.20299486	-3.2480618	0.00116194	0.00882091
YNL069C	9540.62559	-0.6186072	0.17213749	-3.593681	0.00032604	0.00313986
YNL071W	9072.05695	-0.679747	0.17792021	-3.8205161	0.00013317	0.00151742
YNL104C	6694.09182	-1.0235093	0.22339003	-4.5817144	4.61E-06	7.60E-05
YNL130C	1393.97685	-0.6175502	0.1728544	-3.572661	0.00035337	0.00335538
YNL134C	7790.13665	-1.6746758	0.40664821	-4.1182421	3.82E-05	0.00050704
YNL142W	1127.51408	-0.8720456	0.18432081	-4.7311294	2.23E-06	4.02E-05
YNL147W	473.775035	0.66688575	0.20118961	3.31471266	0.00091737	0.00729115
YNL162W	6500.58489	-0.6268562	0.1828624	-3.4280212	0.000608	0.00519825
YNL163C	9340.78662	0.59235066	0.15744405	3.7622931	0.00016836	0.00182948
YNL168C	1014.2698	-0.7244423	0.20638426	-3.5101625	0.00044783	0.00406854
YNL180C	191.186703	-0.7995157	0.25509328	-3.1342091	0.00172318	0.01200515
YNL200C	986.567225	-0.8802301	0.17863597	-4.9275075	8.33E-07	1.70E-05
YNL202W	1606.56156	-0.6667873	0.1786827	-3.7316836	0.0001902	0.0020165
YNL204C	218.319091	0.88105955	0.25466402	3.45969382	0.00054079	0.00473657
YNL208W	7563.30126	-1.1231318	0.15666194	-7.1691424	7.55E-13	4.14E-11
YNL215W	1829.43183	0.65914477	0.17560593	3.75354514	0.00017435	0.00188114
YNL220W	5236.45541	-1.5119631	0.15172933	-9.9648703	2.17E-23	3.78E-21
YNL231C	5396.14118	-0.9400068	0.18072929	-5.2011867	1.98E-07	4.61E-06
YNL237W	1395.22689	-0.682356	0.1696824	-4.0213716	5.79E-05	0.00072725
YNL239W	2103.18894	-0.9548159	0.19085925	-5.0027229	5.65E-07	1.22E-05
YNL241C	1548.73104	-1.3820875	0.17031816	-8.1147395	4.87E-16	3.66E-14
YNL243W	3829.47531	-0.8834261	0.17265492	-5.1167157	3.11E-07	6.97E-06
YNL259C	941.43905	-0.5926291	0.1866287	-3.1754448	0.00149607	0.01079081
YNL260C	522.219616	-0.6910576	0.20086418	-3.4404222	0.00058081	0.00501502
YNL268W	5852.96882	-0.7610263	0.17421005	-4.3684409	1.25E-05	0.00018697
YNL270C	784.84903	-1.078925	0.19796669	-5.450033	5.04E-08	1.31E-06
YNL274C	1059.29802	-1.0753264	0.18559795	-5.7938487	6.88E-09	2.17E-07
YNL277W	1406.69352	-2.0440115	0.21560959	-9.4801508	2.54E-21	3.78E-19
YNL289W	1358.59068	-0.8483065	0.19959304	-4.2501806	2.14E-05	0.00029796
YNL299W	2828.63451	0.66175646	0.18249448	3.62617257	0.00028765	0.00282373
YNL318C	129.292406	1.22004021	0.36587528	3.33457946	0.00085428	0.00687034
YNR001C	26865.1297	-0.7389635	0.18801377	-3.930369	8.48E-05	0.00102586
YNR016C	26856.5772	-0.8552111	0.18417194	-4.643547	3.42E-06	5.80E-05
YNR019W	4578.94318	-0.92183	0.15608789	-5.9058393	3.51E-09	1.16E-07
YNR020C	1015.6183	0.58419394	0.17965534	3.25174817	0.00114698	0.00873996
YNR034W-A	756.643422	-1.896664	0.19140553	-9.9091386	3.80E-23	6.26E-21
YNR056C	200.829863	1.08902732	0.28392814	3.83557373	0.00012527	0.00143815
YNR067C	3484.38643	-1.0293863	0.1939683	-5.3069822	1.11E-07	2.74E-06
YOL016C	1919.93039	-0.6064303	0.16221742	-3.7383796	0.00018521	0.00197385
YOL019W	567.775287	-0.6994817	0.19580997	-3.5722475	0.00035393	0.00335546
YOL032W	704.401425	-0.6952797	0.18621404	-3.7337663	0.00018864	0.00200687
YOL039W	1673.37463	-0.6190173	0.18154687	-3.4096834	0.00065038	0.00549132
YOL052C-A	60.4021527	-1.2618454	0.36375242	-3.4689677	0.00052246	0.00464275
YOL055C	887.202248	-0.6214407	0.18553928	-3.3493755	0.00080994	0.00659198

YOL064C	2542.0271	-0.6196211	0.18339314	-3.3786496	0.00072843	0.00600067
YOL077W-A	549.918969	0.94071109	0.24170983	3.89190253	9.95E-05	0.00118885
YOL081W	5976.53297	-0.7957658	0.15169342	-5.2458823	1.56E-07	3.73E-06
YOL082W	936.307268	-0.8512003	0.1784673	-4.769503	1.85E-06	3.44E-05
YOL083W	841.215407	-0.899557	0.1909978	-4.7097768	2.48E-06	4.39E-05
YOL086C	96796.2657	-1.8957578	0.15984488	-11.859985	1.91E-32	5.82E-30
YOL104C	716.708411	-1.7601346	0.19612894	-8.9743748	2.85E-19	3.47E-17
YOL119C	3171.26754	-1.0973961	0.16393803	-6.6939689	2.17E-11	9.53E-10
YOL126C	513.14651	1.10344714	0.21042079	5.24400238	1.57E-07	3.76E-06
YOL141W	1675.59427	0.62939083	0.17146142	3.67074312	0.00024185	0.00247365
YOL143C	585.39896	0.65405751	0.19282349	3.3920011	0.00069384	0.00576248
YOL151W	5109.99258	-2.8540171	0.24061429	-11.861378	1.88E-32	5.82E-30
YOL158C	6147.49947	-1.1124858	0.23321815	-4.7701509	1.84E-06	3.44E-05
YOR008C	4080.39837	-0.5939392	0.1595383	-3.7228627	0.00019698	0.00207029
YOR047C	321.565641	0.96889519	0.22870384	4.23646235	2.27E-05	0.00031603
YOR052C	1573.9297	-0.7583965	0.18279939	-4.1487913	3.34E-05	0.00044978
YOR099W	5546.43559	-0.8115842	0.17065184	-4.7557892	1.98E-06	3.63E-05
YOR100C	573.260942	-1.1499311	0.20147532	-5.7075532	1.15E-08	3.36E-07
YOR111W	683.417458	-0.8360895	0.21522083	-3.8847981	0.00010241	0.001217
YOR120W	5861.51235	-0.6334794	0.15521811	-4.0812212	4.48E-05	0.0005823
YOR133W	2703.22499	-0.5991707	0.16246546	-3.687988	0.00022603	0.00233148
YOR134W	100.721854	-0.9640676	0.30926132	-3.1173235	0.00182501	0.01257093
YOR142W	1837.24049	-0.659741	0.17592099	-3.7502123	0.00017668	0.00190295
YOR153W	36335.9808	-0.8441892	0.15028302	-5.6173288	1.94E-08	5.42E-07
YOR154W	2043.34973	0.62274897	0.17349239	3.58948876	0.00033133	0.00318195
YOR157C	2148.79137	-1.3828509	0.18372551	-7.5267222	5.20E-14	3.30E-12
YOR161C	1002.05762	-1.5054852	0.19252223	-7.8197996	5.29E-15	3.71E-13
YOR173W	1324.74979	-1.1615772	0.17039547	-6.8169488	9.30E-12	4.39E-10
YOR184W	8878.07532	-0.7208322	0.16676109	-4.3225441	1.54E-05	0.0002244
YOR185C	536.778085	-0.6670253	0.20156625	-3.3092112	0.00093559	0.00738779
YOR190W	232.452076	0.90872043	0.25542055	3.55774204	0.00037406	0.00350807
YOR192C-C	78.7666595	-1.1450299	0.33611498	-3.4066613	0.00065763	0.00552951
YOR202W	153.614406	4.53278156	0.34127987	13.2817136	2.96E-40	1.39E-37
YOR203W	14.0365632	1.57508173	0.41743146	3.77327029	0.00016112	0.00177279
YOR220W	1230.71857	-0.7159194	0.19014565	-3.7651104	0.00016648	0.0018122
YOR226C	304.526411	-1.6599871	0.23339838	-7.1122479	1.14E-12	6.10E-11
YOR230W	5619.31228	-1.1560667	0.17364111	-6.6577936	2.78E-11	1.17E-09
YOR264W	1961.3571	-0.6594877	0.17947899	-3.6744563	0.00023836	0.00244205
YOR271C	1971.68375	-1.1769472	0.20980878	-5.6096185	2.03E-08	5.62E-07
YOR273C	1608.35243	-1.3319796	0.19879364	-6.7003128	2.08E-11	9.19E-10
YOR285W	5514.73198	-0.6322343	0.18293724	-3.4560178	0.00054822	0.0047606
YOR287C	966.564556	0.64355014	0.20157028	3.19268368	0.00140957	0.01026861
YOR289W	1228.55941	-0.6356585	0.17404908	-3.6521798	0.00026002	0.00264184
YOR298C-A	4419.14129	-0.6186242	0.1883052	-3.2852209	0.00101902	0.00790327
YOR298W	138.381221	1.21208614	0.28829164	4.20437491	2.62E-05	0.00035945
YOR306C	847.71095	-0.8520801	0.25244703	-3.3752827	0.0007374	0.00606638
YOR313C	430.604251	0.95896638	0.25221278	3.80221162	0.00014341	0.00161595
YOR315W	558.996656	0.94259479	0.19490724	4.83611988	1.32E-06	2.58E-05
YOR316C	2548.42117	-1.2752571	0.19114339	-6.6717303	2.53E-11	1.07E-09
YOR327C	423.884273	-1.3824565	0.2114924	-6.5366723	6.29E-11	2.44E-09
YOR332W	2072.70127	-0.9102627	0.1958169	-4.6485401	3.34E-06	5.71E-05
YOR347C	1874.60129	-1.364269	0.19970416	-6.8314502	8.41E-12	4.00E-10
YOR348C	2374.13594	-0.8015184	0.24741268	-3.2396012	0.00119697	0.00901944
YOR356W	11933.8957	0.92545201	0.187637	4.93214035	8.13E-07	1.67E-05
YOR374W	6905.72895	-1.9538865	0.16413737	-11.903971	1.13E-32	3.82E-30
YOR375C	41283.2839	-1.9069137	0.16913746	-11.274343	1.76E-29	4.46E-27
YOR381W	1952.50586	-1.002451	0.21606175	-4.6396502	3.49E-06	5.88E-05
YOR382W	2096.74729	-2.3225052	0.40121252	-5.7887157	7.09E-09	2.23E-07
YOR383C	1194.16644	-2.7206445	0.25766835	-10.558706	4.63E-26	1.05E-23
YOR384W	4450.34682	-1.8764836	0.22655578	-8.282656	1.20E-16	1.01E-14
YOR386W	845.802186	-0.6690202	0.20874242	-3.2050037	0.00135061	0.00995562
YOR388C	369.719168	1.21558793	0.27277323	4.45640479	8.33E-06	0.00012895
YOR389W	277.548996	-0.7250596	0.23160389	-3.1306018	0.00174449	0.0121397
YPL004C	2854.07043	-0.7222056	0.15913053	-4.5384476	5.67E-06	9.19E-05

YPL015C	651.444583	-0.8524661	0.21075166	-4.0448845	5.23E-05	0.00067183
YPL017C	375.896281	-1.2557688	0.22846334	-5.4965878	3.87E-08	1.02E-06
YPL019C	11277.8321	-2.0286974	0.14867805	-13.644902	2.17E-42	1.30E-39
YPL031C	1580.1996	-0.8661368	0.18623288	-4.6508265	3.31E-06	5.66E-05
YPL043W	3765.05444	0.94331799	0.20818355	4.53118413	5.87E-06	9.35E-05
YPL048W	7690.18516	-0.5855363	0.18592967	-3.1492353	0.00163698	0.01156321
YPL061W	10685.2539	-0.8448873	0.15385585	-5.4914211	3.99E-08	1.04E-06
YPL067C	1137.4299	-1.4709028	0.22595986	-6.5095756	7.54E-11	2.91E-09
YPL074W	4583.86663	0.60391461	0.1655396	3.64815794	0.00026413	0.00267018
YPL075W	1482.32611	-0.8357287	0.18070419	-4.6248441	3.75E-06	6.23E-05
YPL087W	1528.44234	-0.6358719	0.1725047	-3.6861134	0.0002277	0.00234475
YPL088W	1028.28744	-1.2089925	0.21487038	-5.6266132	1.84E-08	5.19E-07
YPL091W	8865.32041	-0.8419171	0.15928594	-5.2855706	1.25E-07	3.04E-06
YPL092W	545.994586	-0.63214	0.19682849	-3.2116284	0.00131985	0.00976432
YPL099C	984.715638	-0.6996614	0.18944976	-3.6931239	0.00022152	0.00229653
YPL154C	10715.761	-1.0504759	0.15075129	-6.9682717	3.21E-12	1.62E-10
YPL170W	1448.53184	-0.6870678	0.20818885	-3.3002144	0.00096611	0.00758944
YPL171C	2598.19976	-1.8505461	0.42195219	-4.3856773	1.16E-05	0.00017447
YPL187W	2575.45892	0.62023943	0.17396228	3.5653674	0.00036335	0.00342873
YPL203W	1539.77078	-0.9918988	0.16603637	-5.9739849	2.32E-09	7.84E-08
YPL217C	15244.8107	0.81952184	0.19046002	4.3028549	1.69E-05	0.00024299
YPL221W	11004.0936	-0.6519028	0.15580559	-4.1840781	2.86E-05	0.00039048
YPL222W	2658.27328	-0.5802451	0.16731225	-3.4680369	0.00052428	0.00465208
YPL223C	117.131307	-1.3232206	0.32347443	-4.0906498	4.30E-05	0.00056272
YPL263C	8898.89232	0.7505188	0.16027772	4.6826147	2.83E-06	4.93E-05
YPL265W	5189.89783	-1.1372199	0.19017233	-5.9799438	2.23E-09	7.60E-08
YPL274W	4747.39415	-0.9182487	0.1669962	-5.49862	3.83E-08	1.01E-06
YPR001W	729.594093	-1.0392008	0.19260918	-5.3953853	6.84E-08	1.74E-06
YPR004C	1776.9473	-0.7592933	0.18793593	-4.040171	5.34E-05	0.00068348
YPR035W	6049.50012	-1.5977569	0.17566194	-9.0956349	9.40E-20	1.25E-17
YPR036W	12820.695	-0.7177918	0.17414575	-4.1217877	3.76E-05	0.00050258
YPR036W-A	329.310358	-0.8039777	0.21996587	-3.6550113	0.00025717	0.00262159
YPR069C	7214.85496	-1.1803631	0.17400052	-6.7836754	1.17E-11	5.41E-10
YPR074C	12276.2088	-1.2921948	0.17631776	-7.3287843	2.32E-13	1.40E-11
YPR075C	4132.72622	-0.6145997	0.19057179	-3.2250297	0.0012596	0.00938692
YPR080W	25027.4584	-0.6631787	0.17593849	-3.7693781	0.00016365	0.00179109
YPR082C	534.367265	0.67675173	0.20395946	3.31806989	0.00090642	0.00724395
YPR093C	876.428052	-0.8199956	0.18879984	-4.3432007	1.40E-05	0.00020528
YPR100W	1983.37516	0.61335814	0.17874926	3.43138839	0.0006005	0.00516312
YPR112C	8683.83938	0.64674318	0.17333781	3.7311142	0.00019063	0.00201755
YPR113W	3076.1309	-0.6817457	0.15925411	-4.2808672	1.86E-05	0.00026209
YPR127W	1660.0031	-0.6228004	0.16618925	-3.7475371	0.00017858	0.00191322
YPR145W	18627.6905	-0.6678951	0.17327983	-3.8544308	0.000116	0.00134436
YPR152C	1159.34839	0.6013228	0.18244401	3.29593055	0.00098096	0.00768631
YPR160W	6893.91619	-1.4204113	0.16319932	-8.7035366	3.22E-18	3.38E-16
YPR167C	337.39667	-1.1132888	0.22457404	-4.9573353	7.15E-07	1.49E-05
YPR184W	4954.22991	-1.1311885	0.18470976	-6.1241407	9.12E-10	3.31E-08

Table S3 Significant anti-sense expression changes in *brr6-1* versus wild type (galactose)

	Antisense baseMean	Antisense log2FoldChar	Antisense lfcSE	Antisense stat	Antisense pvalue	Antisense padj
YAL037C-A	3256.26038	-2.1976294	0.38542355	-5.7018556	1.1851E-08	1.0634E-06
YAL037C-B	114715.048	-2.3885998	0.37891822	-6.3037342	2.9056E-10	3.9875E-08
YAL044W-A	3333.17977	-1.7131062	0.36396518	-4.7067859	2.5165E-06	0.00013872
YAL059C-A	3388.91215	-1.4271053	0.37799932	-3.7754177	0.00015974	0.00388201
YBL065W	481.723073	-2.0911794	0.37283071	-5.6089247	2.0359E-08	1.6378E-06
YBR055C	374.595526	-1.5742845	0.35782873	-4.3995476	1.0848E-05	0.00042894
YBR069C	381.418154	-1.2092855	0.33609284	-3.5980697	0.00032059	0.00623276
YBR072C-A	817.350646	-3.4632661	0.39189954	-8.8371275	9.8211E-19	5.7282E-16
YBR089W	1036.77438	-1.4334467	0.3877839	-3.6965091	0.00021858	0.00473629
YBR126W-B	168.635187	-1.304963	0.39141521	-3.3339609	0.00085619	0.01286727
YBR127C	248.468872	-1.2834461	0.38739565	-3.3130112	0.00092297	0.01325159
YBR230W-A	109921.048	-1.267344	0.34138388	-3.7123721	0.00020533	0.0046642
YBR290W	351.069631	-1.4622962	0.39654335	-3.6876074	0.00022637	0.0048452
YCL014W	366.069275	1.20653643	0.3483038	3.46403465	0.00053214	0.00933442
YCL018W	1178.94095	2.7579986	0.35055034	7.86762499	3.6144E-15	1.4054E-12
YCL024W	270.0255	1.31351316	0.37004487	3.54960511	0.00038581	0.00708735
YCR018C-A	194.947916	-1.7458446	0.39382902	-4.4330013	9.293E-06	0.0003738
YCR032W	249.652147	1.27165657	0.36018058	3.5306084	0.00041461	0.00755683
YCR033W	223.955217	1.24129711	0.34570267	3.59064945	0.00032986	0.0063078
YCR042C	233.269204	1.22114861	0.33860213	3.60644102	0.00031043	0.00613748
YCR053W	247.04813	1.1759984	0.34121206	3.44653238	0.00056783	0.0096697
YCR065W	168.07638	1.16481388	0.35365712	3.29362486	0.00098904	0.01373476
YCR073C	224.39193	1.35178381	0.34272904	3.94417651	8.0075E-05	0.00222398
YCR077C	177.13644	1.39058375	0.35934653	3.86975705	0.00010894	0.0028558
YDL045W-A	155.93859	-1.4012579	0.3702807	-3.7843126	0.00015413	0.00378521
YDL065C	2163.3675	-1.8701222	0.35858963	-5.2152153	1.836E-07	1.1899E-05
YDL094C	1375.48027	-1.3365506	0.36955523	-3.6166465	0.00029844	0.00595103
YDL096C	1158.86445	-1.3317622	0.36465692	-3.6520964	0.00026011	0.0052768
YDL118W	415.739147	-1.2214814	0.35393545	-3.4511418	0.00055822	0.00957594
YDL128W	349.833551	-1.5936929	0.38381372	-4.1522561	3.2921E-05	0.00108177
YDL167C	541.202538	-1.1236279	0.33262319	-3.3780803	0.00072994	0.01150638
YDR010C	1628.1429	-1.3804934	0.36591593	-3.7727063	0.00016149	0.003884
YDR031W	862.743005	-1.6981688	0.32946864	-5.1542655	2.5463E-07	1.5633E-05
YDR034C-A	9923.56029	-2.3214506	0.37199033	-6.2406207	4.3584E-10	5.6489E-08
YDR078C	325.436987	-1.2715304	0.34366535	-3.6999087	0.00021568	0.00473629
YDR263C	187.076081	-1.4068234	0.37952371	-3.7068129	0.00020988	0.00470826
YDR271C	2151.94417	-1.3867318	0.37949244	-3.6541749	0.00025801	0.0052768
YDR366C	9053.47122	-2.374643	0.37201731	-6.3831519	1.7348E-10	2.5295E-08
YDR369C	788.651819	-1.5427123	0.34486354	-4.4733992	7.6986E-06	0.00033261
YDR515W	754.625817	-1.5490882	0.37037744	-4.1824584	2.8837E-05	0.00098938
YEL020W-A	2869.78183	-1.0918668	0.32022723	-3.4096624	0.00065043	0.01061161
YEL053W-A	5632.51357	-1.4433461	0.39206324	-3.6814115	0.00023195	0.00487505
YER019W	2209.14978	-1.2429336	0.34866842	-3.5648011	0.00036413	0.00674223
YER038C	360.384245	-2.2653072	0.36386655	-6.225654	4.7955E-10	5.8884E-08
YER071C	274.667591	-1.2203192	0.35622839	-3.4256651	0.0006133	0.01007619
YER088W-B	593.470226	-1.3936853	0.35993544	-3.8720425	0.00010793	0.0028558
YER133W-A	646.513367	-1.2173089	0.35164918	-3.461714	0.00053675	0.00934501
YER145C-A	614.657337	-1.3233957	0.38930785	-3.3993552	0.00067545	0.01086775
YFL010W-A	4126.11393	-1.5450157	0.38811609	-3.9808081	6.8681E-05	0.00197819
YFL013C	510.646341	-1.953636	0.33324733	-5.8624206	4.5617E-09	4.257E-07
YFL031C-A	11013.9353	-1.5448593	0.37279549	-4.143986	3.4132E-05	0.00110597
YFL046W	4039.02296	-1.2639672	0.3628027	-3.483897	0.00049417	0.00873407
YFR035C	210.003207	-1.2310149	0.37195392	-3.3095897	0.00093433	0.01329139
YFR052W	1960.00285	-1.9890518	0.37098531	-5.3615378	8.2516E-08	6.21E-06
YGL010W	1218.5811	-2.3725251	0.35679523	-6.6495426	2.9401E-11	5.716E-09
YGL011C	1020.59202	-1.3299734	0.35475094	-3.7490341	0.00017752	0.0041833
YGL246C	444.073494	1.37144078	0.35680499	3.84367037	0.00012121	0.00307367
YGL247W	3324.16672	2.45419612	0.37004987	6.63206851	3.3101E-11	5.9404E-09
YGL248W	1405.95473	4.68494848	0.35322403	13.263391	3.7744E-40	8.8056E-37
YGR007W	786.548009	-1.6256432	0.35594144	-4.5671647	4.9437E-06	0.00023538
YGR015C	237.361945	-1.4636581	0.35996812	-4.0660771	4.7811E-05	0.00146768
YGR105W	702.79636	-1.173298	0.35258489	-3.3277036	0.00087565	0.01286727

YGR154C	292.010428	-1.379163	0.37735474	-3.6548182	0.00025736	0.0052768
YGR174W-A	1854.76512	-1.3304624	0.37212043	-3.5753543	0.00034975	0.00652781
YGR208W	1855.00882	-1.6734246	0.31974193	-5.2336728	1.6617E-07	1.1077E-05
YGR232W	389.427521	-1.8520946	0.37498618	-4.9391009	7.8484E-07	4.6949E-05
YGR235C	8650.37996	-1.3954153	0.32581434	-4.2828543	1.8451E-05	0.00065222
YGR255C	2236.78998	-3.224312	0.33080279	-9.7469309	1.9013E-22	1.4786E-19
YGR270C-A	595.483806	-1.1199618	0.3313835	-3.3796546	0.00072577	0.01150638
YGR283C	155.065876	-1.2162297	0.34622959	-3.5127839	0.00044344	0.00795801
YHL014C	6663.11272	-1.5570057	0.40484975	-3.8458853	0.00012012	0.00307367
YHL034W-A	6286.64913	-1.5753456	0.36569284	-4.3078383	1.6486E-05	0.00059171
YHL036W	560.951775	-1.5211087	0.36559535	-4.1606347	3.1736E-05	0.00105773
YHL046W-A	1223.06307	-1.8614028	0.4058967	-4.5859027	4.5203E-06	0.0002197
YHR028W-A	622.566848	-1.3922915	0.34401846	-4.0471419	5.1847E-05	0.0015632
YHR040W	392.36954	-1.3771751	0.3825172	-3.600296	0.00031786	0.00623156
YHR049C-A	1365.91625	-1.612745	0.37342081	-4.3188409	1.5685E-05	0.00057177
YHR137C-A	601.339646	-1.6728949	0.36884692	-4.5354721	5.7475E-06	0.00026818
YHR138C	287.754942	-1.3564585	0.35381006	-3.8338609	0.00012615	0.00313087
YHR191C	1065.51968	-1.1804567	0.35817011	-3.295799	0.00098142	0.01371053
YHR202W	892.315084	-1.2654931	0.38274972	-3.3063202	0.0009453	0.01336597
YIL009C-A	282.071469	-1.3506659	0.36297529	-3.7210961	0.00019836	0.00458192
YIL095W	2156.94795	-1.3800152	0.40822923	-3.3804909	0.00072356	0.01150638
YIL118W	152.534923	-1.3005653	0.37848674	-3.4362241	0.00058988	0.00990069
YIR018C-A	396.522999	-1.5031278	0.37510326	-4.0072373	6.1433E-05	0.00179154
YJL015C	337.486491	-1.3218835	0.35996221	-3.6722842	0.00024039	0.00500745
YJL026C-A	2183.24276	-1.4028331	0.359835	-3.8985455	9.6772E-05	0.00262523
YJL067W	360.013149	-1.2563496	0.36521198	-3.440056	0.00058159	0.00983231
YJL134W	203.641293	-2.0617985	0.38748278	-5.3210069	1.0319E-07	7.2955E-06
YJL152W	869.498564	-1.63291	0.38362812	-4.2564918	2.0766E-05	0.00072309
YJR008W	4216.80806	-2.2008733	0.36082963	-6.0994804	1.0641E-09	1.1703E-07
YJR018W	333.77552	-1.4605835	0.38063408	-3.8372379	0.00012443	0.00312135
YJR103W	5453.90098	-1.5003772	0.34618408	-4.3340443	1.4639E-05	0.00054213
YJR104C	911.290916	-1.5205862	0.3468021	-4.3845934	1.162E-05	0.00044443
YKL006C-A	804.287435	-1.3153442	0.37702279	-3.4887659	0.00048526	0.008642
YKL030W	772.162312	-1.758737	0.42700467	-4.1187769	3.8089E-05	0.00121728
YKL051W	475.325257	-1.5567911	0.38527199	-4.0407585	5.3279E-05	0.0015734
YKL053W	1258.85618	-1.2550294	0.37552244	-3.3420888	0.0008315	0.01284702
YKL065W-A	260.40253	-1.2126491	0.36514477	-3.321009	0.00089693	0.01307831
YKL119C	408.951964	-2.6146966	0.40167015	-6.5095616	7.537E-11	1.1723E-08
YKL153W	58531.9172	-2.4233799	0.35839834	-6.761694	1.3639E-11	2.8927E-09
YKL206C	965.687353	-1.2196517	0.36614837	-3.3310314	0.00086525	0.01286727
YKR051W	484.181959	-1.6436066	0.3657088	-4.4943041	6.9798E-06	0.00030724
YKR070W	208.428376	-1.1357198	0.3380992	-3.359132	0.00078188	0.01224241
YKR028C	29321.0619	-1.570298	0.32567564	-4.8216624	1.4237E-06	8.3035E-05
YLR057W	485.632083	-1.4340358	0.354497	-4.0452693	5.2263E-05	0.0015632
YLR062C	12508.916	-1.3614411	0.41050034	-3.3165407	0.00091139	0.01320671
YLR204W	511.840721	-1.548509	0.34650663	-4.4689159	7.8617E-06	0.00033348
YLR215C	1267.50865	-1.5910808	0.38081804	-4.1780605	2.9401E-05	0.00099408
YLR259C	288.149835	-1.5794884	0.34048129	-4.6389874	3.5012E-06	0.00017757
YLR283W	368.444309	-1.4309788	0.3696125	-3.871565	0.00010814	0.0028558
YLR299C-A	826.711108	-1.2002483	0.36072805	-3.3272942	0.00087694	0.01286727
YLR326W	1769.08811	-2.0173662	0.37722185	-5.3479569	8.8953E-08	6.4852E-06
YLR339C	11353.907	-1.2704008	0.38161382	-3.3290219	0.00087152	0.01286727
YLR345W	332.611264	-2.2188585	0.33542738	-6.6150191	3.715E-11	6.1908E-09
YLR349W	1122.12265	-1.730288	0.37536338	-4.6096345	4.0338E-06	0.00020023
YLR350W	484.017236	-1.2597651	0.36720149	-3.4307189	0.00060198	0.01003163
YLR353W	3588.08408	-1.2478637	0.37390366	-3.3373937	0.00084568	0.01286727
YML122C	232.762498	2.009463	0.3423968	5.86881355	4.3892E-09	4.257E-07
YML123C	648.354458	2.33758556	0.32862043	7.11333002	1.1328E-12	3.7753E-10
YML130C	374.859003	-2.2389503	0.33086469	-6.7669666	1.3151E-11	2.8927E-09
YMR040W	199.471282	-1.6842263	0.35807535	-4.7035528	2.5567E-06	0.00013872
YMR094W	375.5183	-1.8375801	0.38401748	-4.7851471	1.7086E-06	9.7225E-05
YMR097C	375.479719	-1.6768092	0.37265281	-4.4996554	6.8064E-06	0.00030537
YMR119W-A	399.651836	-1.9978145	0.38471734	-5.1929411	2.07E-07	1.3052E-05
YMR193C-A	395.46332	-1.2826588	0.37667786	-3.4051878	0.00066119	0.01071213
YMR245W	776.119137	-1.2699363	0.3704318	-3.4282595	0.00060746	0.01005117

YMR252C	795.588662	-1.3330427	0.33781266	-3.9461004	7.9434E-05	0.00222398
YMR272W-A	266.952044	-1.2574106	0.37468036	-3.3559555	0.00079091	0.01230133
YMR294W-A	5920.29551	-1.4099818	0.37988104	-3.7116405	0.00020592	0.0046642
YMR307C-A	3971.58686	-1.3768679	0.38060338	-3.6175925	0.00029736	0.00595103
YMR316C-A	403.131328	-1.7168843	0.36608285	-4.6898791	2.7337E-06	0.00014495
YNL032W	7194.44934	-1.7259615	0.38111467	-4.5287196	5.9342E-06	0.00027146
YNL103W-A	296.312708	-1.6128903	0.39208479	-4.1136262	3.8949E-05	0.00122795
YNL203C	862.66974	-1.2975046	0.36212679	-3.5830119	0.00033966	0.0064424
YNL232W	674.257286	-1.6469677	0.36977477	-4.4539753	8.4295E-06	0.00035118
YNL275W	273.727856	-1.344529	0.34289678	-3.9210895	8.815E-05	0.00241945
YNL276C	745.540253	-2.7006589	0.32921674	-8.2032857	2.339E-16	1.0914E-13
YNR015W	1037.9855	-1.4083689	0.3810798	-3.6957322	0.00021925	0.00473629
YNR020C	329.846978	-1.4773114	0.35948651	-4.1095044	3.9651E-05	0.00123341
YNR035C	422.715352	-1.9083613	0.35905818	-5.3149083	1.0671E-07	7.3223E-06
YNR056C	333.044735	-1.6933122	0.3858854	-4.3881221	1.1433E-05	0.00044443
YOL047C	249.747693	-1.3018714	0.36215064	-3.5948339	0.0003246	0.00625858
YOL083C-A	329.613114	-1.5348668	0.34593366	-4.436882	9.1271E-06	0.00037357
YOL086W-A	18422.7086	-2.4674223	0.35827398	-6.8869704	5.6993E-12	1.4774E-09
YOL150C	2920.38112	-3.3310514	0.32248319	-10.32938	5.1895E-25	6.0535E-22
YOL152W	340.309326	-1.2879534	0.33355227	-3.8613239	0.00011277	0.00292336
YOL155C	20967.5396	-1.2323736	0.33322291	-3.6983458	0.00021701	0.00473629
YOR071C	345.493409	-1.3262356	0.35328622	-3.7539975	0.00017404	0.00414314
YOR121C	3816.74952	-1.3282804	0.36054052	-3.6841362	0.00022948	0.00486705
YOR161W-A	218.160352	-1.989191	0.35448262	-5.6115334	2.0054E-08	1.6378E-06
YOR161W-B	373.688227	-2.070881	0.3441561	-6.0172725	1.7738E-09	1.7993E-07
YOR225W	369.820786	-2.3320392	0.37689246	-6.1875453	6.1108E-10	7.1283E-08
YOR263C	642.004976	-1.2833526	0.37115147	-3.4577598	0.00054469	0.00941299
YOR272W	168.560654	-1.2980798	0.34676825	-3.7433641	0.00018157	0.00423609
YOR331C	1687.21069	-1.5359316	0.38696723	-3.9691515	7.2129E-05	0.00205216
YOR333C	505.365479	-1.2536799	0.37668263	-3.3282126	0.00087405	0.01286727
YOR346W	559.037094	-1.1421878	0.34569794	-3.3040051	0.00095314	0.01339565
YOR374W	1224.47059	-2.0837921	0.36676407	-5.6815601	1.3347E-08	1.1533E-06
YOR375C	283.848557	-1.764283	0.37789419	-4.6687223	3.0308E-06	0.00015713
YPL018W	239.504044	-1.6686642	0.38366888	-4.3492299	1.3662E-05	0.00051407
YPL056C	153.719533	-1.2329519	0.34440011	-3.5799986	0.0003436	0.00646459
YPL222C-A	606.606811	-1.2183431	0.3678416	-3.3121405	0.00092585	0.01325159
YPR002C-A	1605.67055	-2.6908417	0.38784972	-6.9378462	3.9812E-12	1.161E-09
YPR081C	10594.4037	-1.2639192	0.37845086	-3.3397182	0.00083863	0.01286727
YPR128C	385.390285	-1.2139038	0.3450692	-3.5178561	0.00043505	0.00786796
YPR138C	251.455128	-2.1668468	0.35559077	-6.0936532	1.1036E-09	1.1703E-07
YPR160C-A	1779.34607	-1.9852175	0.3599963	-5.5145496	3.4967E-08	2.7193E-06

Table S4 Significant sense expression changes in *brr6-1* versus wild type (glucose)

Sense expression changes

	baseMean	log2FoldChar	lfcSE	stat	pvalue	padj
YAL001C	5893.2594	0.92088946	0.14188842	6.490237	8.57E-11	2.84E-09
YAL014C	1020.71151	-0.7013954	0.17059568	-4.1114486	3.93E-05	0.00029959
YAL018C	27.7616856	1.32182797	0.36094006	3.66218135	0.00025008	0.00141935
YAL020C	2010.17142	-0.6956662	0.14796458	-4.7015727	2.58E-06	2.98E-05
YAL021C	478.276269	0.65661285	0.18762022	3.49969126	0.0004658	0.00239227
YAL024C	216.184372	0.8031699	0.22433642	3.58020294	0.00034333	0.00184705
YAL031C	607.758669	0.7994342	0.17055718	4.68719161	2.77E-06	3.18E-05
YAL036C	6290.74302	-0.8535298	0.12136554	-7.0327195	2.03E-12	8.94E-11
YAL038W	171059.171	-1.2254446	0.16469304	-7.4407791	1.00E-13	5.92E-12
YAL043C	317.685334	1.07061383	0.19083397	5.61018464	2.02E-08	4.13E-07
YAL044C	7256.87215	-0.9371835	0.22627391	-4.1418097	3.45E-05	0.00026766
YAL059W	2958.10591	-0.8930161	0.16093872	-5.5487957	2.88E-08	5.67E-07
YAL060W	8984.45734	-1.2853528	0.19341437	-6.6455912	3.02E-11	1.09E-09
YAL062W	409.279571	-0.7625375	0.17869452	-4.2672686	1.98E-05	0.00016878
YAL064W-B	132.295848	0.73084901	0.24393308	2.99610453	0.00273453	0.01053338
YAL067C	86.1569675	0.88085812	0.27832369	3.16486931	0.00155153	0.00657994
YAR019C	82.404027	0.87812626	0.30145237	2.91298511	0.00357992	0.01302371
YAR047C	60.2148321	1.63666839	0.31863475	5.13650317	2.80E-07	4.25E-06
YAR071W	339.498177	-2.6408746	0.20120413	-13.12535	2.36E-39	1.30E-36
YAR073W	80.0943444	1.1355582	0.28467564	3.98895464	6.64E-05	0.00046085
YBL003C	7159.58934	-0.6645546	0.14598855	-4.5521008	5.31E-06	5.42E-05
YBL006C	3111.93917	-0.8961233	0.12762601	-7.0214791	2.20E-12	9.62E-11
YBL007C	4374.85675	0.69166023	0.12368139	5.59227418	2.24E-08	4.49E-07
YBL024W	2027.74188	-0.6204755	0.14544435	-4.2660683	1.99E-05	0.00016898
YBL027W	11412.2329	-1.0545541	0.12543519	-8.4071631	4.20E-17	4.06E-15
YBL028C	1753.83649	-0.6688102	0.14496482	-4.6136033	3.96E-06	4.24E-05
YBL032W	2217.27293	-0.8729174	0.13460852	-6.4848595	8.88E-11	2.92E-09
YBL034C	358.079955	0.78688629	0.18746207	4.19757612	2.70E-05	0.00021675
YBL039C	13634.5496	-0.7193747	0.15348872	-4.6868249	2.77E-06	3.18E-05
YBL041W	3088.14195	-0.7713077	0.16024705	-4.8132412	1.49E-06	1.86E-05
YBL042C	5282.91324	-0.6641019	0.1736503	-3.8243638	0.00013111	0.00082656
YBL050W	2580.62245	-0.6842404	0.1737967	-3.9370162	8.25E-05	0.00055702
YBL051C	244.825599	0.8390607	0.21268255	3.94513192	7.98E-05	0.00054209
YBL055C	2418.95663	-0.6497054	0.15834656	-4.1030597	4.08E-05	0.00030827
YBL063W	1537.95455	0.60041352	0.15736658	3.81538132	0.00013597	0.00085281
YBL066C	103.213661	0.90289387	0.27850469	3.24193416	0.00118721	0.00522786
YBL068W	1767.10828	-0.9789773	0.16149916	-6.0618107	1.35E-09	3.54E-08
YBL069W	1789.48868	-0.6349702	0.14273108	-4.4487173	8.64E-06	8.36E-05
YBL072C	9601.68474	-0.8705915	0.12066213	-7.2151173	5.39E-13	2.71E-11
YBL081W	39.6365169	1.09793122	0.34877091	3.14800117	0.00164391	0.0068807
YBL085W	615.618144	0.6472531	0.16596208	3.90000596	9.62E-05	0.00063605
YBL087C	19980.5956	-0.6702798	0.11835471	-5.6633133	1.48E-08	3.16E-07
YBL088C	2796.1196	0.59267484	0.13774554	4.30267897	1.69E-05	0.00014808
YBL091C	4222.97895	-0.8135087	0.16034156	-5.073599	3.90E-07	5.71E-06
YBL097W	3650.01691	0.71048464	0.17495738	4.06090126	4.89E-05	0.00035483
YBL101C	145.338975	1.06243768	0.26771938	3.96847506	7.23E-05	0.00049761
YBL106C	1408.93358	0.8354046	0.14305544	5.83972606	5.23E-09	1.23E-07
YBL113C	362.846778	1.24871113	0.18423098	6.77796489	1.22E-11	4.82E-10
YBR010W	9190.47736	-0.9929347	0.12938205	-7.6744391	1.66E-14	1.12E-12
YBR014C	1540.78971	-0.606739	0.1728278	-3.5106565	0.000447	0.00231877
YBR030W	2412.39534	-0.6033764	0.13111398	-4.6019227	4.19E-06	4.46E-05
YBR033W	118.357712	0.83906552	0.26455114	3.17165713	0.00151572	0.00644604
YBR034C	935.193399	-0.6355772	0.15297609	-4.1547487	3.26E-05	0.00025524
YBR040W	31.9953625	1.39855045	0.35473	3.94257729	8.06E-05	0.00054717
YBR045C	454.477476	0.96599863	0.20548407	4.7010876	2.59E-06	2.98E-05
YBR048W	4820.46494	-0.5893358	0.15274709	-3.8582458	0.0001142	0.00073443
YBR052C	1676.41908	-0.6245138	0.15116259	-4.1314046	3.61E-05	0.00027865
YBR054W	2874.0151	-1.1503715	0.16071475	-7.1578467	8.20E-13	3.93E-11
YBR059C	973.779999	0.59238273	0.14980098	3.95446502	7.67E-05	0.0005239
YBR068C	9785.09748	-0.7119858	0.19212761	-3.7057965	0.00021073	0.00122689
YBR069C	12315.6826	-0.7776145	0.15700497	-4.9528015	7.32E-07	9.92E-06
YBR076W	18.6142143	1.25305393	0.37169526	3.37118621	0.00074845	0.003561

YBR081C	5132.08423	0.61295871	0.14280813	4.29218364	1.77E-05	0.00015392
YBR084C-A	5356.25273	-0.5859804	0.13013335	-4.5029226	6.70E-06	6.64E-05
YBR086C	619.62559	0.64903918	0.16757914	3.87303093	0.00010749	0.00069788
YBR087W	2224.49398	-0.9627189	0.13836766	-6.9576876	3.46E-12	1.49E-10
YBR088C	726.411271	-0.7631393	0.15293892	-4.9898304	6.04E-07	8.40E-06
YBR089C-A	1102.54996	-1.1156222	0.14620536	-7.6305155	2.34E-14	1.56E-12
YBR093C	422.781597	-1.9893684	0.18439024	-10.788903	3.88E-27	9.86E-25
YBR101C	2561.27768	-0.7336582	0.14722954	-4.9830912	6.26E-07	8.66E-06
YBR106W	13552.0948	-0.9440053	0.12858269	-7.3416201	2.11E-13	1.18E-11
YBR108W	100.970257	1.10508089	0.26548382	4.16251684	3.15E-05	0.00024874
YBR110W	3321.54933	-0.5961959	0.14242638	-4.1859935	2.84E-05	0.00022691
YBR112C	142.286086	0.90720519	0.26609811	3.40928833	0.00065133	0.00316819
YBR113W	22.6878972	1.09700449	0.36884346	2.97417365	0.00293779	0.01114712
YBR117C	60.9026752	1.14030004	0.34086245	3.34533778	0.00082182	0.00383812
YBR118W	40239.3465	-0.8699753	0.12217865	-7.1205181	1.08E-12	5.08E-11
YBR122C	1454.1455	-0.7107156	0.16503759	-4.3063862	1.66E-05	0.00014604
YBR126W-A	61.5508509	-0.9099539	0.3104148	-2.9314126	0.00337424	0.01243894
YBR132C	197.02195	0.77083939	0.22558074	3.41713305	0.00063284	0.00309063
YBR141C	866.681398	-0.7912385	0.17345678	-4.5615888	5.08E-06	5.21E-05
YBR146W	475.133362	-0.6338017	0.19660379	-3.2237511	0.00126523	0.00551558
YBR148W	435.931061	1.2336551	0.2703385	4.56337181	5.03E-06	5.18E-05
YBR154C	4644.92767	-0.9393161	0.12960759	-7.2473847	4.25E-13	2.21E-11
YBR155W	500.255526	-0.6378495	0.2167816	-2.9423599	0.00325721	0.01210276
YBR156C	80.1173153	1.26465753	0.28756782	4.39777138	1.09E-05	0.00010231
YBR161W	583.013668	-0.7397294	0.17249457	-4.2884215	1.80E-05	0.00015589
YBR165W	614.104318	-0.6170632	0.16171013	-3.8158595	0.00013571	0.00085281
YBR175W	1567.31886	-0.6750729	0.138001	-4.8917971	9.99E-07	1.33E-05
YBR176W	1255.21195	-0.6168083	0.14628955	-4.2163527	2.48E-05	0.00020296
YBR180W	56.7955348	1.07256031	0.31743721	3.37881095	0.000728	0.00347232
YBR181C	21638.7224	-1.0376999	0.12753908	-8.1363287	4.07E-16	3.31E-14
YBR186W	67.2186068	1.20107944	0.31478316	3.81557715	0.00013586	0.00085281
YBR189W	12951.8315	-1.0970188	0.12004925	-9.138073	6.36E-20	8.60E-18
YBR191W	9572.36571	-1.0509181	0.12377526	-8.4905343	2.06E-17	2.05E-15
YBR191W-A	283.677216	-0.919311	0.21192544	-4.3378982	1.44E-05	0.00013037
YBR203W	720.899209	0.8306048	0.17092401	4.85949753	1.18E-06	1.54E-05
YBR207W	4348.36443	-0.5810763	0.12694497	-4.5773873	4.71E-06	4.93E-05
YBR212W	89.8025166	1.3194136	0.27769432	4.75131653	2.02E-06	2.43E-05
YBR214W	50.6084138	1.11788291	0.33497725	3.33719057	0.0008463	0.00393132
YBR215W	136.394143	0.78035313	0.24493928	3.18590438	0.00144302	0.00618003
YBR222C	371.994236	0.66398865	0.20943353	3.17040287	0.00152228	0.00646941
YBR225W	210.554583	0.77465419	0.2179329	3.55455362	0.00037862	0.00201733
YBR232C	20.3889495	1.11205187	0.3695005	3.0096086	0.00261585	0.0101339
YBR238C	119.742726	0.81328018	0.26205666	3.10345164	0.00191277	0.00776687
YBR247C	4447.01094	-0.7287221	0.1249342	-5.8328469	5.45E-09	1.27E-07
YBR261C	1149.84197	-0.6765951	0.15457542	-4.3771194	1.20E-05	0.00011097
YBR263W	5862.40008	-0.8633749	0.13417689	-6.4346019	1.24E-10	3.97E-09
YBR271W	2486.74732	-0.6847224	0.1320534	-5.1851932	2.16E-07	3.37E-06
YBR275C	5282.36327	0.68254599	0.12842315	5.31482039	1.07E-07	1.82E-06
YBR283C	10868.5169	-0.7840642	0.16044702	-4.8867483	1.03E-06	1.35E-05
YBR284W	216.126251	1.07088663	0.2123879	5.04212644	4.60E-07	6.61E-06
YBR291C	2746.75247	-0.9509166	0.17326127	-5.4883389	4.06E-08	7.67E-07
YBR294W	110.876932	1.42601256	0.27829929	5.12402513	2.99E-07	4.49E-06
YBR296C	430.414059	-2.4771935	0.27049978	-9.1578392	5.29E-20	7.33E-18
YCL001W	2336.15674	0.83440637	0.16268411	5.12899732	2.91E-07	4.39E-06
YCL001W-A	34.3333648	1.2327289	0.34800592	3.54226416	0.00039671	0.00209536
YCL002C	1423.32546	0.68603954	0.15090054	4.54630267	5.46E-06	5.53E-05
YCL004W	164.090299	1.42756184	0.25247288	5.65431761	1.56E-08	3.30E-07
YCL005W	360.45053	1.06246484	0.18608989	5.70941721	1.13E-08	2.51E-07
YCL005W-A	1022.45275	0.89764736	0.20065487	4.47358867	7.69E-06	7.54E-05
YCL008C	69.6180077	1.39331628	0.30028082	4.64004415	3.48E-06	3.84E-05
YCL009C	2382.35847	0.61167665	0.19991633	3.05966322	0.00221586	0.00880273
YCL010C	5608.04772	0.86986732	0.15658827	5.55512426	2.77E-08	5.52E-07
YCL011C	18686.1035	0.71467577	0.15009593	4.76145994	1.92E-06	2.32E-05
YCL012C	52.664945	1.56069592	0.32185677	4.8490387	1.24E-06	1.61E-05
YCL014W	2519.11556	1.42929279	0.13521403	10.5705954	4.08E-26	9.55E-24

YCL016C	860.064712	0.58614968	0.14855927	3.94556107	7.96E-05	0.00054173
YCL017C	4901.12629	1.03163524	0.14564893	7.08302671	1.41E-12	6.46E-11
YCL018W	16889.9821	2.12003133	0.17884746	11.853852	2.06E-32	8.94E-30
YCL022C	20.3292817	1.2971032	0.37066363	3.49940785	0.00046629	0.00239235
YCL023C	15.7083534	1.46944355	0.36460213	4.03026599	5.57E-05	0.00039637
YCL024W	2935.85335	1.22376176	0.13411434	9.12476466	7.19E-20	9.52E-18
YCL025C	4054.2587	0.61853355	0.17103724	3.61636771	0.00029877	0.00165257
YCL026C-A	37.4845544	1.77191501	0.34891112	5.07841376	3.81E-07	5.59E-06
YCL027W	196.530829	2.17569756	0.22853523	9.52018438	1.73E-21	3.01E-19
YCL029C	462.974596	1.42361192	0.17184727	8.28416974	1.19E-16	1.05E-14
YCL032W	1205.22869	0.89494102	0.14929027	5.99463713	2.04E-09	5.22E-08
YCL033C	1085.08027	0.64816046	0.20160215	3.21504742	0.00130423	0.00566531
YCL034W	6356.45499	0.99418076	0.12822148	7.75362089	8.93E-15	6.47E-13
YCL035C	543.625442	1.09958792	0.22773486	4.82836895	1.38E-06	1.75E-05
YCL037C	273.104773	1.21778227	0.22267452	5.46888931	4.53E-08	8.46E-07
YCL038C	1748.5692	1.00953864	0.14955159	6.75043737	1.47E-11	5.68E-10
YCL039W	432.76817	1.11879842	0.18928567	5.9106345	3.41E-09	8.34E-08
YCL041C	44.9731947	1.73411035	0.33840901	5.12430318	2.99E-07	4.49E-06
YCL043C	1395.60943	1.00751194	0.15583261	6.46534706	1.01E-10	3.29E-09
YCL044C	66.6481881	1.8668505	0.32381667	5.76514645	8.16E-09	1.86E-07
YCL045C	1494.74903	1.22815112	0.16447781	7.46697151	8.21E-14	5.05E-12
YCL048W	112.184436	1.79695975	0.27005275	6.65410658	2.85E-11	1.04E-09
YCL049C	1367.61825	0.87305925	0.1875757	4.65443674	3.25E-06	3.64E-05
YCL050C	365.435665	1.33439855	0.19722103	6.76600532	1.32E-11	5.17E-10
YCL051W	291.702132	1.04989593	0.20162611	5.20714257	1.92E-07	3.02E-06
YCL052C	2811.75955	0.70076376	0.14141892	4.95523333	7.22E-07	9.82E-06
YCL054W	20311.5633	1.20200239	0.14729731	8.16038239	3.34E-16	2.79E-14
YCL056C	244.986467	1.1576421	0.21172984	5.46754348	4.56E-08	8.48E-07
YCL057C-A	90.1834947	1.1939597	0.27985435	4.26636102	1.99E-05	0.00016898
YCL057W	3551.19252	0.71164118	0.15339019	4.63941787	3.49E-06	3.84E-05
YCL058C	44.9787297	1.46447733	0.33497824	4.37185814	1.23E-05	0.00011299
YCL058W-A	535.131081	0.91285295	0.1808175	5.04847666	4.45E-07	6.46E-06
YCL061C	5272.98623	1.72040808	0.1272301	13.5220214	1.16E-41	7.06E-39
YCL063W	852.126563	0.97409055	0.18850922	5.16733634	2.37E-07	3.66E-06
YCL073C	18.7088536	1.38574759	0.36968544	3.74845057	0.00017793	0.00106131
YCL076W	17.1446186	1.30443228	0.37150806	3.5111816	0.00044612	0.00231815
YCR002C	709.359339	0.59151273	0.16148083	3.66305238	0.00024923	0.00141585
YCR005C	13256.6407	-0.5907603	0.17479258	-3.3797792	0.00072544	0.00346505
YCR006C	378.207894	0.91534971	0.20885436	4.38271782	1.17E-05	0.00010848
YCR007C	238.784468	0.69417463	0.23583293	2.94350172	0.00324522	0.01207293
YCR008W	3405.80073	0.62601127	0.13706822	4.5671511	4.94E-06	5.13E-05
YCR010C	112.394282	1.61786313	0.29301493	5.5214358	3.36E-08	6.52E-07
YCR011C	22865.0041	0.66183285	0.13120532	5.04425338	4.55E-07	6.56E-06
YCR014C	3275.11609	1.27555517	0.15118991	8.43677468	3.26E-17	3.20E-15
YCR015C	1947.15152	0.86348285	0.13184907	6.54902519	5.79E-11	1.98E-09
YCR016W	2248.84767	0.62315603	0.14380163	4.33344208	1.47E-05	0.00013217
YCR017C	10332.0659	0.96950547	0.13283097	7.29879061	2.90E-13	1.58E-11
YCR019W	652.400735	0.77233782	0.19101993	4.04323169	5.27E-05	0.00037889
YCR020C	151.709266	1.064874	0.24222407	4.39623525	1.10E-05	0.00010272
YCR020C-A	861.35622	1.22136069	0.19695692	6.20115649	5.60E-10	1.59E-08
YCR021C	198.525094	1.8846934	0.25023852	7.53158793	5.01E-14	3.21E-12
YCR022C	11.6474066	1.22748406	0.36275726	3.38376155	0.000715	0.00343133
YCR023C	2219.37431	0.81920667	0.16240414	5.04424757	4.55E-07	6.56E-06
YCR024C	159.449958	1.45431037	0.23346014	6.22937327	4.68E-10	1.35E-08
YCR024C-A	899.932628	1.24339368	0.17651047	7.04430548	1.86E-12	8.29E-11
YCR024C-B	1563.81003	1.31592564	0.14661907	8.9751332	2.83E-19	3.45E-17
YCR025C	59.8964667	1.29465019	0.31795801	4.07176469	4.67E-05	0.00034473
YCR026C	6311.213	0.92631196	0.13809418	6.70782745	1.98E-11	7.34E-10
YCR028C-A	189.907458	1.22290114	0.2231326	5.4806028	4.24E-08	7.97E-07
YCR030C	238.123361	1.3810039	0.21123497	6.5377617	6.24E-11	2.11E-09
YCR031C	2134.16086	0.84825818	0.19513603	4.34700948	1.38E-05	0.00012563
YCR032W	9911.52266	1.5411836	0.13788516	11.1772984	5.27E-29	1.69E-26
YCR033W	1914.57785	1.20210801	0.13732422	8.75379424	2.06E-18	2.24E-16
YCR034W	873.457033	1.37557275	0.15136467	9.08780572	1.01E-19	1.28E-17
YCR036W	2381.15767	0.6945602	0.17219205	4.0336368	5.49E-05	0.00039302
YCR037C	6704.47101	0.80354149	0.12145224	6.61611073	3.69E-11	1.31E-09

YCR038W-A	17.9310626	1.26508839	0.37165824	3.40390239	0.0006643	0.00322103
YCR042C	12084.5959	1.41010766	0.13231511	10.6571926	1.61E-26	3.93E-24
YCR043C	1145.89491	1.2052513	0.15294597	7.88024251	3.27E-15	2.43E-13
YCR045C	71.0479405	1.60619103	0.33976084	4.72741653	2.27E-06	2.67E-05
YCR045W-A	168.584589	0.78004804	0.23443026	3.32742044	0.00087654	0.00403182
YCR048W	1811.88037	0.82075877	0.15019142	5.46475134	4.64E-08	8.55E-07
YCR052W	535.832776	0.70085733	0.17334829	4.04305872	5.28E-05	0.00037889
YCR053W	2347.67362	1.17053005	0.15853655	7.38334523	1.54E-13	8.87E-12
YCR054C	808.361253	1.00286432	0.15533219	6.45625551	1.07E-10	3.48E-09
YCR057C	16255.2401	0.76863673	0.13822587	5.56073007	2.69E-08	5.36E-07
YCR060W	276.961441	0.91339719	0.24066512	3.79530354	0.00014746	0.00091358
YCR061W	189.338075	1.55926583	0.22998278	6.77992428	1.20E-11	4.79E-10
YCR063W	44.7657198	1.06708648	0.34151629	3.12455513	0.00178074	0.00737234
YCR064C	81.305856	1.27817596	0.32790088	3.89805587	9.70E-05	0.00064049
YCR065W	212.462572	1.52842329	0.23036507	6.63478747	3.25E-11	1.16E-09
YCR066W	313.392495	1.06009858	0.19124322	5.54319552	2.97E-08	5.83E-07
YCR067C	811.600845	1.76246591	0.17323819	10.1736572	2.60E-24	5.28E-22
YCR068W	470.693308	1.26202877	0.17193046	7.34034424	2.13E-13	1.18E-11
YCR069W	607.267077	1.19243958	0.18043269	6.60877807	3.88E-11	1.36E-09
YCR071C	197.205501	0.83141247	0.21546897	3.85861805	0.00011403	0.00073408
YCR073C	4610.03365	1.49947148	0.1347324	11.1292565	9.04E-29	2.75E-26
YCR076C	1396.94249	0.73389342	0.17291587	4.2442224	2.19E-05	0.00018225
YCR077C	1746.56768	1.10903254	0.1399969	7.92183659	2.34E-15	1.76E-13
YCR079W	1309.07635	1.24593139	0.14415276	8.6431322	5.47E-18	5.74E-16
YCR081C-A	13.7368001	1.16015142	0.37010243	3.13467656	0.00172044	0.00716653
YCR081W	1045.91746	1.2521775	0.15722766	7.9641045	1.66E-15	1.27E-13
YCR082W	881.02282	0.85381071	0.14994117	5.69430449	1.24E-08	2.69E-07
YCR084C	458.299148	1.30011252	0.1793914	7.24735133	4.25E-13	2.21E-11
YCR085W	13.1057586	1.21978409	0.36793246	3.31523916	0.00091565	0.0041927
YCR086W	73.4427842	1.26776947	0.3114759	4.07020082	4.70E-05	0.00034549
YCR087C-A	708.784108	0.994268	0.16503725	6.02450656	1.70E-09	4.38E-08
YCR088W	489.940977	1.89390591	0.17362738	10.9078759	1.06E-27	2.80E-25
YCR089W	107.447203	1.9240289	0.31104007	6.18579107	6.18E-10	1.71E-08
YCR091W	111.074811	1.9983364	0.29720932	6.72366659	1.77E-11	6.74E-10
YCR092C	2041.4167	0.88354723	0.14278044	6.18815325	6.09E-10	1.69E-08
YCR093W	2328.79421	1.49412361	0.13474027	11.0889162	1.42E-28	4.12E-26
YCR097W-A	16.6549779	1.22424831	0.37053584	3.30399435	0.00095318	0.00433845
YCR098C	439.502425	1.0730194	0.17422003	6.15898969	7.32E-10	1.97E-08
YCR099C	387.580334	1.52051124	0.20620796	7.37367881	1.66E-13	9.36E-12
YCR100C	642.161759	1.33605455	0.17935427	7.44924881	9.39E-14	5.66E-12
YCR101C	367.779698	1.30560238	0.21851259	5.97495275	2.30E-09	5.74E-08
YCR102C	193.568571	0.85811355	0.21607681	3.97133559	7.15E-05	0.00049237
YCR102W-A	26.5103403	1.37353993	0.36183692	3.79601926	0.00014704	0.00091281
YCR105W	128.190831	1.68663027	0.2637139	6.39568217	1.60E-10	4.99E-09
YCR106W	2981.73552	1.02190738	0.15972993	6.39771991	1.58E-10	4.95E-09
YCR107W	1165.97688	0.9091226	0.15830989	5.74267709	9.32E-09	2.09E-07
YDL020C	1722.48554	0.64171563	0.20702988	3.09962806	0.00193764	0.00784067
YDL043C	698.803736	-0.6148251	0.17376753	-3.5382049	0.00040286	0.00212232
YDL051W	1314.63928	-0.9173613	0.15182032	-6.042414	1.52E-09	3.97E-08
YDL053C	2096.35063	-0.6673267	0.16476149	-4.0502591	5.12E-05	0.00036916
YDL054C	294.864786	0.77410717	0.25759708	3.00510851	0.00265486	0.01026546
YDL055C	62424.8251	-0.6019993	0.17255191	-3.4888008	0.00048519	0.00248304
YDL058W	6021.43955	0.81314891	0.16295183	4.99011832	6.03E-07	8.40E-06
YDL063C	984.557949	-0.6824686	0.14782933	-4.6165981	3.90E-06	4.20E-05
YDL066W	11167.2934	-1.6730003	0.18616958	-8.9864325	2.55E-19	3.17E-17
YDL079C	303.452768	0.5845857	0.19456048	3.00464765	0.00265889	0.01027451
YDL082W	6495.62844	-0.7829223	0.13079626	-5.9858157	2.15E-09	5.42E-08
YDL085C-A	1073.25635	-0.6906963	0.14359446	-4.8100482	1.51E-06	1.89E-05
YDL085W	114.362507	1.08089042	0.31024255	3.48401726	0.00049395	0.00252149
YDL092W	1395.09511	-0.6791084	0.16111869	-4.2149575	2.50E-05	0.0002034
YDL111C	1017.11264	-0.6388375	0.17303402	-3.6919764	0.00022252	0.00128085
YDL129W	971.43725	-0.8488201	0.18158751	-4.674441	2.95E-06	3.35E-05
YDL134C	2971.91678	-0.592561	0.12760496	-4.6437144	3.42E-06	3.78E-05
YDL136W	1673.84776	-0.7015358	0.14084504	-4.9809053	6.33E-07	8.74E-06
YDL140C	2297.82495	0.64510942	0.14027973	4.59873589	4.25E-06	4.52E-05

YDL144C	2071.41854	-0.7718401	0.143841	-5.3659257	8.05E-08	1.40E-06
YDL154W	853.411194	0.606722	0.18834209	3.2213829	0.00127574	0.00555399
YDL160C	772.794162	0.75081084	0.16239378	4.62339652	3.78E-06	4.08E-05
YDL161W	514.568484	0.87600199	0.16648986	5.26159362	1.43E-07	2.35E-06
YDL165W	1769.70807	-0.630323	0.15116213	-4.1698474	3.05E-05	0.0002417
YDL174C	1381.63143	-0.7442511	0.18486273	-4.0259661	5.67E-05	0.00040191
YDL192W	12167.3253	-0.7396625	0.12345538	-5.991335	2.08E-09	5.30E-08
YDL197C	681.984003	0.64788027	0.16415985	3.94664276	7.93E-05	0.00053989
YDL205C	5137.9889	-0.9432451	0.13494849	-6.9896679	2.76E-12	1.20E-10
YDL208W	4897.79651	-0.9852062	0.1363276	-7.2267556	4.95E-13	2.55E-11
YDL210W	129.948643	0.76516136	0.26225972	2.91757105	0.00352769	0.01289401
YDL214C	75.0797584	0.94428506	0.29930081	3.15496993	0.00160515	0.00676026
YDL219W	1411.56394	-0.6359496	0.14059524	-4.5232656	6.09E-06	6.11E-05
YDL224C	137.129767	0.93722986	0.24281487	3.85985362	0.00011345	0.0007327
YDL227C	4339.88805	-0.8320967	0.12668119	-6.5684313	5.08E-11	1.76E-09
YDL229W	46552.3953	-0.6611193	0.14809502	-4.4641566	8.04E-06	7.85E-05
YDL235C	905.71967	-0.9263192	0.18455117	-5.0193083	5.19E-07	7.36E-06
YDL236W	6321.00604	-0.8349314	0.13503048	-6.1832811	6.28E-10	1.72E-08
YDL238C	1144.91131	0.77819334	0.14822331	5.25014146	1.52E-07	2.48E-06
YDL239C	1496.76427	0.96749084	0.14421206	6.7088069	1.96E-11	7.33E-10
YDR011W	13693.517	0.74488064	0.12892686	5.77754447	7.58E-09	1.74E-07
YDR021W	908.611679	-0.6305689	0.16793223	-3.754901	0.00017341	0.00104046
YDR024W	166.104214	-0.8955025	0.23023229	-3.8895607	0.00010043	0.00066047
YDR028C	4421.49047	0.6473084	0.12485434	5.18450848	2.17E-07	3.37E-06
YDR036C	124.951896	0.86602718	0.24886728	3.47987567	0.00050165	0.00253951
YDR044W	483.25723	0.70257082	0.19530558	3.59729004	0.00032155	0.00175469
YDR050C	39957.6933	-1.0037648	0.11777007	-8.5230893	1.55E-17	1.58E-15
YDR054C	424.046985	-0.7045089	0.19185282	-3.6721324	0.00024054	0.00137576
YDR063W	255.819722	-0.8308767	0.20314019	-4.0901639	4.31E-05	0.0003233
YDR069C	302.415024	0.82655325	0.21365663	3.86860556	0.00010946	0.00070991
YDR075W	884.680506	-0.7972822	0.16327256	-4.8831366	1.04E-06	1.37E-05
YDR077W	454.566703	0.7137255	0.18490971	3.85985958	0.00011345	0.0007327
YDR087C	3760.67094	-0.8541727	0.12724815	-6.7126529	1.91E-11	7.23E-10
YDR096W	70.029217	1.03933132	0.2968691	3.5009751	0.00046356	0.00238637
YDR098C	1593.63588	-0.6105462	0.13812551	-4.4202278	9.86E-06	9.32E-05
YDR101C	6185.03926	-0.8029433	0.13369495	-6.0057866	1.90E-09	4.89E-08
YDR119W	10777.9274	-0.7359353	0.12915281	-5.6981749	1.21E-08	2.65E-07
YDR140W	836.48995	-0.6231515	0.18726673	-3.3276145	0.00087593	0.00403182
YDR159W	1986.47228	0.64275914	0.1436334	4.47499767	7.64E-06	7.51E-05
YDR161W	5850.87539	-0.5952927	0.13158337	-4.5240728	6.07E-06	6.11E-05
YDR171W	112.82871	1.22518791	0.2883008	4.24968608	2.14E-05	0.00017908
YDR176W	2133.6337	0.65164529	0.15309136	4.25657791	2.08E-05	0.00017533
YDR200C	403.786545	0.71025378	0.17666728	4.02029049	5.81E-05	0.00041019
YDR209C	8.53845452	0.97528882	0.33754104	2.88939328	0.00385986	0.01385183
YDR212W	22437.669	-0.5882832	0.1246078	-4.7210788	2.35E-06	2.73E-05
YDR214W	4179.81653	-0.6366494	0.13594407	-4.6831713	2.82E-06	3.23E-05
YDR218C	51.526616	1.00348204	0.32350476	3.10190808	0.00192278	0.00779608
YDR223W	198.553946	0.80259406	0.22444402	3.5759208	0.000349	0.0018759
YDR226W	11629.5789	-0.8299142	0.13304456	-6.2378661	4.44E-10	1.29E-08
YDR228C	411.230695	0.67835765	0.17664413	3.84025014	0.00012291	0.00078215
YDR255C	265.638172	0.60271069	0.20047145	3.00646651	0.00264303	0.01022622
YDR262W	575.61527	-0.7179068	0.18130248	-3.9597186	7.50E-05	0.00051404
YDR264C	16155.4734	-0.7328631	0.12694052	-5.7732795	7.77E-09	1.78E-07
YDR265W	1084.78574	-0.8282584	0.14921518	-5.5507651	2.84E-08	5.62E-07
YDR270W	2118.12595	-1.2346672	0.17771226	-6.9475632	3.72E-12	1.58E-10
YDR280W	2848.79644	-0.7595055	0.13442817	-5.6498981	1.61E-08	3.35E-07
YDR281C	150.516382	-1.8779956	0.26590426	-7.0626757	1.63E-12	7.31E-11
YDR293C	937.417971	0.7591738	0.16338192	4.62668928	3.72E-06	4.03E-05
YDR294C	5788.41477	-0.5819301	0.14286285	-4.073348	4.63E-05	0.00034334
YDR300C	3771.79477	-0.7621357	0.13385529	-5.6937288	1.24E-08	2.69E-07
YDR312W	1385.72252	-0.5826191	0.1527872	-3.8132716	0.00013714	0.00085924
YDR317W	312.924056	0.60514715	0.20411105	2.96479371	0.00302886	0.01142152
YDR321W	8524.17824	-0.7259471	0.12603529	-5.7598714	8.42E-09	1.91E-07
YDR328C	7272.63275	-0.6293108	0.12592073	-4.9976739	5.80E-07	8.12E-06
YDR340W	2549.55989	-0.8236413	0.13111085	-6.2820223	3.34E-10	1.00E-08
YDR347W	2935.79694	-0.8189336	0.17683638	-4.6310243	3.64E-06	3.96E-05

YDR356W	2813.86019	0.80786828	0.13645501	5.92040017	3.21E-09	7.92E-08
YDR359C	433.860502	0.62106904	0.17915362	3.46668428	0.00052692	0.00264328
YDR361C	4593.24835	-0.8053477	0.13464638	-5.9812055	2.21E-09	5.55E-08
YDR368W	2152.83169	-0.8545835	0.14098774	-6.0614029	1.35E-09	3.54E-08
YDR380W	502.705345	-0.8092511	0.24098412	-3.3581097	0.00078477	0.00369913
YDR382W	3799.8344	-0.6183486	0.12588579	-4.9119809	9.02E-07	1.20E-05
YDR398W	6275.71978	-0.6794656	0.13336801	-5.094667	3.49E-07	5.15E-06
YDR399W	5265.95705	-0.6847955	0.21952642	-3.1194217	0.00181206	0.00747155
YDR402C	40.5514769	1.07843751	0.33935744	3.17788081	0.00148356	0.0063273
YDR408C	3473.58728	-0.6148846	0.20985797	-2.9300036	0.00338958	0.01248793
YDR427W	4158.38543	-0.8139687	0.13019677	-6.2518349	4.06E-10	1.19E-08
YDR429C	18096.3536	-0.6440842	0.12370019	-5.2068167	1.92E-07	3.02E-06
YDR447C	23098.591	-1.0014159	0.12303694	-8.1391478	3.98E-16	3.28E-14
YDR466W	255.802587	0.75143647	0.19963678	3.7640181	0.0001672	0.00100838
YDR481C	8229.77346	-1.1623164	0.14343323	-8.1035364	5.34E-16	4.28E-14
YDR516C	3539.22064	-0.6426202	0.13851942	-4.6392064	3.50E-06	3.84E-05
YDR522C	63.3798371	2.42140186	0.32382158	7.47758022	7.57E-14	4.70E-12
YDR523C	134.154447	0.98347648	0.25143038	3.91152598	9.17E-05	0.00061043
YDR527W	1324.34378	-0.6778641	0.13961504	-4.8552373	1.20E-06	1.56E-05
YDR531W	4743.76124	-0.6204242	0.16903417	-3.6704072	0.00024216	0.00138218
YDR533C	417.481095	-0.7009449	0.2256236	-3.1067001	0.00189188	0.00770158
YDR535C	50.6267526	1.2883848	0.33710315	3.82193042	0.00013241	0.00083304
YDR536W	50.2680942	1.43984552	0.35643426	4.03958226	5.35E-05	0.00038364
YEL002C	1940.37317	-0.674188	0.13859727	-4.8643675	1.15E-06	1.50E-05
YEL006W	789.049111	-0.8049315	0.15216132	-5.2899876	1.22E-07	2.07E-06
YEL007W	91.0552428	0.85769791	0.2901765	2.95578006	0.00311879	0.01168109
YEL010W	8.31805722	1.02065821	0.34985005	2.91741618	0.00352944	0.01289401
YEL011W	1068.25384	0.59446259	0.15138547	3.92681415	8.61E-05	0.0005767
YEL020W-A	2500.2114	-0.8623605	0.16660326	-5.1761322	2.27E-07	3.50E-06
YEL039C	221.143646	0.71039523	0.24398334	2.91165464	0.0035952	0.01305801
YEL043W	190.517707	0.8095515	0.23444461	3.45306088	0.00055426	0.00275324
YEL047C	1371.01036	-0.9680028	0.15075395	-6.4210777	1.35E-10	4.29E-09
YEL051W	10376.1164	-0.6499117	0.13069359	-4.9727897	6.60E-07	9.07E-06
YEL054C	7686.48195	-0.9853998	0.13524991	-7.2857706	3.20E-13	1.71E-11
YEL065W	7438.2601	-1.5731348	0.18974697	-8.290698	1.13E-16	1.01E-14
YEL069C	52.1753448	1.29780113	0.34424244	3.77002068	0.00016323	0.0009931
YEL070W	33.2895321	1.24778251	0.35939964	3.47185246	0.00051688	0.0026058
YEL071W	41391.012	-1.4277242	0.16715224	-8.5414601	1.33E-17	1.37E-15
YEL074W	46.527176	1.53292006	0.3546119	4.3228105	1.54E-05	0.00013736
YEL077C	438.326982	0.74389012	0.17486745	4.25402279	2.10E-05	0.00017661
YER001W	3961.27512	-0.7993368	0.12963319	-6.1661435	7.00E-10	1.89E-08
YER011W	73.5745077	1.8818731	0.33557887	5.60784144	2.05E-08	4.16E-07
YER021W	11174.4532	-0.5960691	0.12107156	-4.9232793	8.51E-07	1.14E-05
YER023W	7048.5059	-1.0352134	0.1458724	-7.096705	1.28E-12	5.94E-11
YER032W	49.1415141	1.24610823	0.34179311	3.64579685	0.00026656	0.00149208
YER033C	152.987309	0.96327849	0.23671353	4.06938508	4.71E-05	0.00034586
YER037W	368.096848	-0.9822935	0.18355225	-5.3515744	8.72E-08	1.50E-06
YER049W	16552.2634	-0.6362584	0.12091882	-5.2618638	1.43E-07	2.35E-06
YER054C	125.921715	1.27304878	0.27558067	4.6195141	3.85E-06	4.15E-05
YER056C	11302.3819	-0.900912	0.18030982	-4.9964666	5.84E-07	8.16E-06
YER060W-A	157.883881	1.0790242	0.26503335	4.07127705	4.68E-05	0.00034473
YER062C	508.641838	-1.3317297	0.26936311	-4.9439944	7.65E-07	1.04E-05
YER063W	1269.69297	-0.6657836	0.1727073	-3.8549826	0.00011574	0.00074272
YER072W	447.155218	-1.5068935	0.17996929	-8.3730592	5.61E-17	5.34E-15
YER073W	15908.9529	-1.0056524	0.1856478	-5.4169908	6.06E-08	1.09E-06
YER085C	39.9469652	1.13268608	0.34022919	3.3291855	0.000871	0.00401242
YER091C	10715.5321	-0.8696596	0.17332023	-5.0176464	5.23E-07	7.41E-06
YER094C	8820.01123	-0.6942055	0.12316623	-5.6363297	1.74E-08	3.60E-07
YER096W	205.96965	0.6866162	0.22023749	3.1176173	0.00182319	0.00749207
YER099C	2410.9098	-0.6452612	0.13959891	-4.6222506	3.80E-06	4.10E-05
YER102W	4244.1699	-0.6226703	0.13324467	-4.6731349	2.97E-06	3.36E-05
YER106W	39.0842206	1.24924072	0.34026434	3.67138306	0.00024124	0.0013782
YER107C	5201.15869	-0.7069772	0.12488468	-5.6610405	1.50E-08	3.19E-07
YER115C	775.06794	-0.5830959	0.15608967	-3.7356467	0.00018723	0.00110597
YER117W	33411.542	-0.6388582	0.12092936	-5.282904	1.27E-07	2.14E-06

YER124C	4092.53966	-0.7146148	0.14941579	-4.7827261	1.73E-06	2.13E-05
YER126C	4676.66705	-0.8042935	0.13071957	-6.1528165	7.61E-10	2.04E-08
YER131W	5756.84141	-1.1905258	0.12845692	-9.2678989	1.90E-20	2.89E-18
YER138W-A	270.941538	-0.8017455	0.19890584	-4.0307791	5.56E-05	0.00039597
YER145C	8173.05773	-1.9451594	0.15191068	-12.804626	1.54E-37	7.24E-35
YER146W	1574.50342	-0.7422943	0.13669277	-5.4303845	5.62E-08	1.01E-06
YER152C	3324.73151	-0.6840193	0.13304146	-5.1414	2.73E-07	4.17E-06
YER156C	3543.40373	-0.6230579	0.14649162	-4.2531981	2.11E-05	0.00017702
YER158C	27.3509143	1.07611756	0.36357875	2.95979219	0.00307847	0.0115799
YER162C	1615.96834	0.64701341	0.13695906	4.72413729	2.31E-06	2.70E-05
YER163C	1291.16619	-0.610681	0.17607203	-3.4683592	0.00052365	0.0026312
YER177W	23822.7976	-1.0358676	0.12513144	-8.2782355	1.25E-16	1.09E-14
YER180C	223.968173	-0.8847357	0.20757503	-4.2622453	2.02E-05	0.00017118
YER185W	97.5094853	0.91745827	0.27089383	3.38678167	0.00070718	0.00339645
YER186C	2217.48803	-0.6692942	0.14123709	-4.7387987	2.15E-06	2.55E-05
YFL004W	10462.9636	-0.7455661	0.14431083	-5.1663901	2.39E-07	3.67E-06
YFL005W	7384.00837	-0.6557781	0.12404201	-5.286742	1.25E-07	2.10E-06
YFL008W	1560.20982	0.77689752	0.14707214	5.28242483	1.27E-07	2.14E-06
YFL010C	3223.6902	-0.8925303	0.17498182	-5.1007032	3.38E-07	5.02E-06
YFL011W	90.9718066	0.91940161	0.30150139	3.0494108	0.00229291	0.00904978
YFL021C-A	52.2249292	1.51102722	0.33926711	4.45379805	8.44E-06	8.18E-05
YFL031W	60669.6242	-1.450712	0.12325973	-11.769553	5.60E-32	2.27E-29
YFL038C	13735.898	-0.9046259	0.12172106	-7.4319589	1.07E-13	6.27E-12
YFL040W	65.6036544	1.45112654	0.32577661	4.45436078	8.41E-06	8.17E-05
YFL045C	18968.6083	-0.7296398	0.12685117	-5.7519362	8.82E-09	1.99E-07
YFL052W	135.374791	1.53342596	0.273848	5.59955138	2.15E-08	4.33E-07
YFL064C	57.7048384	1.65390768	0.33362143	4.9574383	7.14E-07	9.73E-06
YFL065C	59.0420834	1.47455398	0.319772	4.61126674	4.00E-06	4.28E-05
YFL066C	48.4129072	1.36266891	0.35099818	3.88226778	0.00010349	0.00067477
YFR015C	702.498899	1.463372	0.25074542	5.83608665	5.34E-09	1.25E-07
YFR016C	3304.78472	1.08174584	0.14030095	7.7101819	1.26E-14	8.79E-13
YFR022W	201.547584	0.75538511	0.21565302	3.50278009	0.00046043	0.00237226
YFR023W	54.4078239	1.1703172	0.32091827	3.64677652	0.00026555	0.00148914
YFR029W	57.8659594	0.97494723	0.31193405	3.12549158	0.00177508	0.00735391
YFR031C	4443.69453	0.62986632	0.13934149	4.52030707	6.17E-06	6.19E-05
YFR031C-A	23091.5485	-1.1937028	0.11983078	-9.9615707	2.24E-23	4.02E-21
YFR041C	2267.61699	-0.6401712	0.16487164	-3.8828462	0.00010324	0.00067417
YGL001C	4694.11951	-0.6428313	0.19531796	-3.2912041	0.00099759	0.00451699
YGL009C	61359.8788	-2.8504157	0.16726369	-17.041449	4.05E-65	4.11E-62
YGL010W	104.655194	1.08999931	0.26542281	4.10665281	4.01E-05	0.00030445
YGL027C	4602.00678	-0.6457075	0.14355652	-4.497932	6.86E-06	6.78E-05
YGL030W	4267.13924	-0.6198911	0.16413882	-3.7766271	0.00015897	0.00097297
YGL031C	4424.09727	-0.641412	0.1360259	-4.715367	2.41E-06	2.80E-05
YGL036W	514.200025	0.88297347	0.19261301	4.58418408	4.56E-06	4.79E-05
YGL040C	2391.83843	-0.6156558	0.14235469	-4.3248012	1.53E-05	0.00013633
YGL043W	2322.83946	-0.5920387	0.14252186	-4.1540202	3.27E-05	0.00025572
YGL045W	130.495848	0.81886652	0.24545189	3.33615893	0.00084945	0.00393993
YGL048C	6855.85199	-0.6911066	0.12667126	-5.4559068	4.87E-08	8.88E-07
YGL055W	20890.7715	-0.8309618	0.1783446	-4.6593045	3.17E-06	3.57E-05
YGL063W	517.048932	-0.7066774	0.16603449	-4.2562085	2.08E-05	0.00017538
YGL067W	1034.67356	-0.6644966	0.14400415	-4.6144269	3.94E-06	4.23E-05
YGL068W	3619.46051	-0.7065494	0.1846008	-3.8274452	0.00012948	0.00081883
YGL070C	988.902485	-0.6638084	0.15955591	-4.16035	3.18E-05	0.00025034
YGL089C	1377.59668	1.03848898	0.18305436	5.67311798	1.40E-08	3.01E-07
YGL091C	2114.11733	-0.6204411	0.135505	-4.5787326	4.68E-06	4.90E-05
YGL103W	72085.5733	-0.7310813	0.11916572	-6.1349963	8.52E-10	2.26E-08
YGL111W	3973.81289	-0.7031302	0.12427903	-5.6576737	1.53E-08	3.24E-07
YGL118C	10.54681	1.16359688	0.36092156	3.2239606	0.00126431	0.0055155
YGL123W	94692.6893	-1.0882222	0.13954098	-7.7985849	6.26E-15	4.59E-13
YGL126W	2143.35109	-0.6965369	0.13270698	-5.2486831	1.53E-07	2.49E-06
YGL135W	13535.6248	-0.8051073	0.12537855	-6.4214121	1.35E-10	4.29E-09
YGL138C	17.9081566	1.4555187	0.37169705	3.9158737	9.01E-05	0.0006015
YGL147C	36249.3562	-0.9532835	0.15520071	-6.1422624	8.14E-10	2.17E-08
YGL170C	58.5937062	1.17363975	0.33865349	3.46560656	0.00052904	0.00265172

YGL178W	79.0753938	1.05940221	0.30699222	3.45090902	0.0005587	0.00277302
YGL181W	487.264653	0.60254617	0.18883964	3.19078224	0.00141888	0.00609809
YGL187C	1275.76783	-0.7939604	0.15690949	-5.0599899	4.19E-07	6.11E-06
YGL188C	179.041738	-0.9357321	0.22279992	-4.1998762	2.67E-05	0.00021513
YGL192W	44.6571249	1.48064367	0.35355229	4.18790582	2.82E-05	0.00022531
YGL215W	163.852956	0.83081195	0.25361859	3.27583221	0.00105351	0.00471063
YGL219C	175.479635	1.15490762	0.23079245	5.00409626	5.61E-07	7.89E-06
YGL221C	3895.87532	-0.8221717	0.13298154	-6.1826005	6.31E-10	1.72E-08
YGL229C	852.52385	0.82944638	0.14940564	5.55164037	2.83E-08	5.61E-07
YGL244W	1869.89014	0.77638003	0.15247079	5.09199195	3.54E-07	5.21E-06
YGL247W	1060.91954	1.72339404	0.14790492	11.65204	2.24E-31	8.53E-29
YGL248W	3974.43016	2.53494082	0.14150125	17.9146174	9.07E-72	1.10E-68
YGL249W	74.3464328	0.84563899	0.2928779	2.88734318	0.0038851	0.01393316
YGL253W	37289.6188	-0.8369904	0.12650253	-6.6163926	3.68E-11	1.31E-09
YGL262W	44.7320384	1.80012494	0.34470039	5.2222886	1.77E-07	2.81E-06
YGL263W	315.067395	1.7450703	0.22738327	7.6745765	1.66E-14	1.12E-12
YGR020C	6278.98193	-0.8920001	0.12392101	-7.1981344	6.10E-13	3.00E-11
YGR021W	1348.304	-0.5940958	0.14932662	-3.9784986	6.94E-05	0.00047832
YGR023W	35.9812688	1.12454908	0.3438877	3.27010553	0.00107507	0.00478947
YGR024C	1356.89015	-0.6024531	0.1943533	-3.0997834	0.00193662	0.00784067
YGR027C	9571.10149	-0.8726171	0.12565846	-6.9443563	3.80E-12	1.60E-10
YGR031W	2937.35317	-0.6493214	0.13605945	-4.7723357	1.82E-06	2.22E-05
YGR044C	3187.68843	-0.7893782	0.16634894	-4.7453157	2.08E-06	2.48E-05
YGR055W	4818.04991	-0.6781716	0.13458124	-5.0391241	4.68E-07	6.69E-06
YGR059W	82.5721363	1.82266457	0.292014	6.24170261	4.33E-10	1.26E-08
YGR062C	572.807178	-0.6768163	0.16555379	-4.0881957	4.35E-05	0.00032486
YGR067C	43.9700116	1.0776308	0.33672631	3.20031655	0.00137277	0.00592498
YGR070W	882.623865	0.79806943	0.17059344	4.67819522	2.89E-06	3.29E-05
YGR075C	386.013502	-0.663463	0.21915185	-3.0274123	0.00246657	0.0096353
YGR081C	1797.73167	-0.9405092	0.15110669	-6.2241398	4.84E-10	1.38E-08
YGR097W	199.901529	0.71698049	0.21807391	3.28778669	0.00100978	0.00455524
YGR106C	6141.29106	-0.8347985	0.14817673	-5.6338029	1.76E-08	3.64E-07
YGR108W	3193.81874	-0.9465733	0.13692568	-6.9130446	4.74E-12	1.97E-10
YGR118W	45111.8545	-0.7068841	0.12954703	-5.4565831	4.85E-08	8.88E-07
YGR123C	5721.19872	-0.9249018	0.12637175	-7.3188967	2.50E-13	1.37E-11
YGR130C	850.542825	0.84601442	0.15381232	5.50030332	3.79E-08	7.25E-07
YGR142W	282.852205	1.13204985	0.24244383	4.66932834	3.02E-06	3.42E-05
YGR147C	3148.1812	-0.636594	0.12688397	-5.0171351	5.24E-07	7.41E-06
YGR148C	13237.5555	-0.8117131	0.1259848	-6.4429446	1.17E-10	3.78E-09
YGR152C	1196.64578	-0.61197	0.14318303	-4.2740402	1.92E-05	0.00016451
YGR157W	15172.6526	-0.6463214	0.12328226	-5.2426152	1.58E-07	2.56E-06
YGR159C	11232.6298	-1.0336187	0.12591354	-8.2089553	2.23E-16	1.91E-14
YGR163W	1974.6281	-0.6060654	0.16027305	-3.7814556	0.00015591	0.00095621
YGR165W	2310.965	-0.908754	0.13935088	-6.5213366	6.97E-11	2.34E-09
YGR175C	23614.6808	-0.5951732	0.14900857	-3.9942209	6.49E-05	0.00045227
YGR196C	1608.21281	0.65147505	0.16289009	3.9994762	6.35E-05	0.00044336
YGR205W	491.278165	-0.6845343	0.17200332	-3.9797735	6.90E-05	0.0004763
YGR214W	5158.63426	-0.6634269	0.1370563	-4.840543	1.29E-06	1.67E-05
YGR220C	502.32379	-0.6633627	0.19091943	-3.4745686	0.00051168	0.00258169
YGR221C	36.3029791	1.14127839	0.34990502	3.26168057	0.00110754	0.00491709
YGR225W	73.0530048	1.08889767	0.30812574	3.53393937	0.00040941	0.00215314
YGR227W	98.9020389	0.84674751	0.26807704	3.15859767	0.0015853	0.00669057
YGR233C	1955.29826	-1.1528171	0.1389432	-8.2970388	1.07E-16	9.70E-15
YGR234W	30382.1142	-0.8249977	0.13675468	-6.0326836	1.61E-09	4.18E-08
YGR237C	1107.0025	0.62705241	0.1707624	3.67207548	0.00024059	0.00137576
YGR242W	7.55574156	1.00221472	0.34085377	2.940307	0.00327887	0.01216098
YGR243W	179.102886	-0.8488704	0.24566584	-3.4553863	0.0005495	0.00273473
YGR247W	986.562963	-0.6243846	0.15660488	-3.9870063	6.69E-05	0.00046359
YGR253C	9115.0744	-0.7023168	0.12546809	-5.5975729	2.17E-08	4.37E-07
YGR254W	10144.3307	-1.4935521	0.14608748	-10.223683	1.55E-24	3.26E-22
YGR257C	4194.99721	-0.80014	0.14155317	-5.6525755	1.58E-08	3.31E-07
YGR262C	1050.0307	-0.674955	0.16591514	-4.0680735	4.74E-05	0.00034738
YGR267C	3459.07663	-0.7615322	0.19886167	-3.8294571	0.00012843	0.00081301
YGR271C-A	2624.38062	-0.6023075	0.14009635	-4.2992378	1.71E-05	0.00015018
YGR271W	2178.32385	0.64958671	0.13374332	4.8569656	1.19E-06	1.55E-05
YGR283C	1175.99392	-0.6848232	0.16102858	-4.2528056	2.11E-05	0.00017709

YHL001W	3843.39	-0.5884251	0.13582227	-4.3323167	1.48E-05	0.00013253
YHL003C	4953.37781	-0.630177	0.13297536	-4.7390513	2.15E-06	2.55E-05
YHL006C	241.544726	-0.6021914	0.20745083	-2.9028151	0.00369825	0.01335053
YHL011C	6169.32769	-0.5958193	0.12609042	-4.7253336	2.30E-06	2.69E-05
YHL015W	32742.1141	-1.6219527	0.11840199	-13.698695	1.03E-42	6.99E-40
YHL021C	452.58464	0.86602964	0.22357289	3.87358975	0.00010724	0.00069703
YHL034C	4828.78972	-0.931208	0.19504515	-4.7743204	1.80E-06	2.21E-05
YHL035C	2449.39691	-0.7525181	0.14084642	-5.3428268	9.15E-08	1.57E-06
YHL040C	962.286657	-0.7496781	0.16166903	-4.6371164	3.53E-06	3.86E-05
YHL050C	390.086419	0.82080845	0.19463527	4.21716187	2.47E-05	0.00020251
YHR003C	2758.72035	-0.7401317	0.13709266	-5.3987694	6.71E-08	1.18E-06
YHR007C	9130.9204	-0.6342795	0.12102783	-5.2407735	1.60E-07	2.57E-06
YHR010W	57456.8199	-0.9116874	0.14539038	-6.2706171	3.60E-10	1.07E-08
YHR023W	15658.7054	0.59494083	0.14075283	4.22684799	2.37E-05	0.00019477
YHR035W	154.219149	0.68978781	0.23176236	2.97627197	0.00291776	0.01108494
YHR041C	1015.85788	-1.0163505	0.15716783	-6.4666576	1.00E-10	3.28E-09
YHR043C	1541.48335	-0.662433	0.15427474	-4.2938526	1.76E-05	0.00015343
YHR046C	1303.41046	-0.9006821	0.17173706	-5.2445415	1.57E-07	2.54E-06
YHR047C	6966.87059	-0.7877057	0.14018973	-5.6188549	1.92E-08	3.94E-07
YHR049W	3801.86922	-1.3007677	0.12509917	-10.397892	2.53E-25	5.51E-23
YHR058C	1327.62534	-0.5888742	0.13981635	-4.2117694	2.53E-05	0.00020602
YHR062C	648.344255	-1.053616	0.1991362	-5.2909316	1.22E-07	2.06E-06
YHR068W	787.754334	-0.65772	0.21104945	-3.1164261	0.00183058	0.00750216
YHR069C	3842.8686	-0.6198177	0.13606399	-4.5553398	5.23E-06	5.35E-05
YHR070W	1175.49341	-0.6008614	0.17517501	-3.4300633	0.00060344	0.0029589
YHR076W	2583.61478	-0.666788	0.13912198	-4.7928296	1.64E-06	2.04E-05
YHR082C	1991.2703	0.86894675	0.1651772	5.26069425	1.44E-07	2.36E-06
YHR083W	1014.78123	-0.5809957	0.15848763	-3.6658742	0.0002465	0.00140295
YHR084W	313.260379	0.62847245	0.19833508	3.16874083	0.00153101	0.00650198
YHR088W	1077.42004	-0.6686916	0.1699732	-3.9341	8.35E-05	0.0005632
YHR089C	10285.5525	-0.7228617	0.13502962	-5.3533564	8.63E-08	1.49E-06
YHR094C	1891.90421	-1.0583288	0.2196656	-4.8179088	1.45E-06	1.83E-05
YHR096C	87.0795098	1.089303	0.31244798	3.48634996	0.00048966	0.0025017
YHR107C	1882.05625	-0.737226	0.19405421	-3.7990726	0.00014524	0.00090348
YHR109W	144.036606	0.85137746	0.25551982	3.33194296	0.00086242	0.00398911
YHR112C	1496.25829	-0.6544021	0.17317303	-3.7788916	0.00015753	0.00096514
YHR124W	68.718499	0.91005971	0.31479115	2.89099519	0.00384024	0.01380582
YHR133C	5015.32827	-0.7638523	0.13466346	-5.672306	1.41E-08	3.01E-07
YHR134W	927.433092	-0.6738482	0.16331413	-4.1260864	3.69E-05	0.0002836
YHR136C	167.893379	-3.9655644	0.28691925	-13.821186	1.90E-43	1.45E-40
YHR137W	493.755528	-0.8836099	0.23679321	-3.7315677	0.00019029	0.00111645
YHR141C	12864.1376	-0.6778885	0.13436451	-5.0451454	4.53E-07	6.56E-06
YHR154W	3837.36038	0.58597185	0.14289909	4.10059896	4.12E-05	0.00031059
YHR160C	37.8877624	0.995011	0.34101799	2.91776688	0.00352548	0.01289401
YHR162W	11979.221	-0.9830645	0.21754555	-4.5188902	6.22E-06	6.21E-05
YHR163W	1757.10741	-0.5951201	0.17734146	-3.3557866	0.0007914	0.0037217
YHR169W	3497.81053	-0.6838571	0.12713694	-5.3789014	7.49E-08	1.31E-06
YHR170W	8691.43866	-0.6447094	0.13678109	-4.71344	2.44E-06	2.82E-05
YHR174W	180035.967	-0.7253868	0.12619045	-5.7483497	9.01E-09	2.03E-07
YHR175W	213.825245	0.65188427	0.21220319	3.07198149	0.00212643	0.00848621
YHR177W	47.9483009	1.36567969	0.33000162	4.13840295	3.50E-05	0.00027063
YHR179W	18132.8185	-1.1334578	0.15700891	-7.2190668	5.23E-13	2.66E-11
YHR182W	102.627907	0.96603685	0.28784367	3.3561164	0.00079045	0.00372014
YHR187W	1458.96146	-0.6739831	0.16107766	-4.1842124	2.86E-05	0.0002284
YHR198C	68.6947518	1.28035937	0.29845473	4.28996175	1.79E-05	0.00015503
YHR199C	1238.13364	-0.7997624	0.16606946	-4.8158304	1.47E-06	1.84E-05
YHR200W	3736.2432	-0.64584	0.12845756	-5.0276531	4.97E-07	7.08E-06
YHR203C	17155.7114	-1.2492037	0.12501204	-9.992667	1.64E-23	3.03E-21
YHR205W	316.991652	0.6266912	0.18809815	3.3317244	0.0008631	0.00398911
YHR208W	2121.53135	-1.6417754	0.14619284	-11.230204	2.90E-29	9.81E-27
YHR209W	152.093065	0.85614914	0.24289577	3.52475943	0.00042387	0.00221956
YHR213W	25.0017955	1.63367668	0.36955191	4.42069606	9.84E-06	9.32E-05
YHR213W-A	18.6001288	1.12290528	0.37025484	3.03279024	0.00242304	0.00948959
YHR215W	997.00575	-4.3506954	0.17857812	-24.36298	4.22E-131	8.57E-128
YHR216W	5925.51999	-0.8292081	0.2027869	-4.0890614	4.33E-05	0.00032437

YHR217C	33.9924312	1.1324434	0.36732028	3.08298631	0.00204935	0.00822168
YIL009W	4787.4731	-1.0118198	0.12522822	-8.0798071	6.49E-16	5.13E-14
YIL012W	31.6693336	1.20509619	0.35632831	3.3819827	0.00071965	0.00344277
YIL013C	170.380911	1.04594491	0.26450345	3.95437156	7.67E-05	0.0005239
YIL015W	42.3843442	1.13021282	0.3403723	3.32051938	0.0008985	0.00412349
YIL018W	54300.8734	-1.0249386	0.12349484	-8.2994443	1.05E-16	9.65E-15
YIL021W	4939.41304	-0.6743918	0.12263831	-5.4990301	3.82E-08	7.25E-07
YIL024C	438.941612	0.64964476	0.17143701	3.78940781	0.00015101	0.00093174
YIL033C	406.890675	0.74931891	0.18229172	4.11054831	3.95E-05	0.00030011
YIL037C	120.713266	1.65695346	0.26395766	6.27734564	3.44E-10	1.03E-08
YIL039W	1874.92449	-0.6593859	0.14221162	-4.6366527	3.54E-06	3.86E-05
YIL043C	8292.16198	-0.684889	0.12561826	-5.4521449	4.98E-08	9.05E-07
YIL044C	368.383566	-0.6418276	0.21430746	-2.9948916	0.00274542	0.01056867
YIL051C	1719.07692	-0.8726051	0.19863993	-4.3928988	1.12E-05	0.00010399
YIL053W	1086.975	-0.5843256	0.16218168	-3.6029078	0.00031468	0.00172182
YIL066C	101.84841	0.80012546	0.2701486	2.96179756	0.00305849	0.01151898
YIL073C	227.489575	1.22696881	0.21193235	5.78943609	7.06E-09	1.63E-07
YIL074C	4032.92146	-0.851645	0.16177898	-5.2642499	1.41E-07	2.33E-06
YIL079C	1610.91916	-0.5864445	0.19393002	-3.0240003	0.00249456	0.00971969
YIL083C	719.518762	-0.644412	0.18083529	-3.5635304	0.0003659	0.00195296
YIL088C	4994.3313	-0.6834414	0.21116053	-3.2365961	0.00120964	0.00531127
YIL099W	156.779561	1.06693426	0.23609355	4.51911645	6.21E-06	6.21E-05
YIL100W	50.867571	0.94610148	0.32179073	2.94011418	0.00328091	0.01216115
YIL101C	29.3895039	1.17890162	0.3650202	3.22968874	0.00123925	0.00542362
YIL103W	2872.78621	-0.7192422	0.14055975	-5.1169858	3.10E-07	4.65E-06
YIL106W	1222.01862	-0.6205218	0.16486901	-3.7637259	0.0001674	0.00100838
YIL107C	2522.72559	0.63874852	0.12960366	4.92847574	8.29E-07	1.12E-05
YIL110W	3754.48322	-0.71926	0.13068609	-5.5037224	3.72E-08	7.14E-07
YIL112W	5906.48022	0.67349522	0.1465626	4.59527327	4.32E-06	4.58E-05
YIL136W	856.184943	0.89441746	0.15762263	5.67442295	1.39E-08	2.99E-07
YIL140W	191.473201	0.98932492	0.21811258	4.53584531	5.74E-06	5.78E-05
YIL144W	482.099474	0.77418415	0.17351634	4.4617364	8.13E-06	7.92E-05
YIL145C	3775.60393	-0.8506495	0.12787559	-6.6521647	2.89E-11	1.05E-09
YIL149C	5925.07135	0.77417193	0.14329201	5.40275716	6.56E-08	1.16E-06
YIL155C	236.238044	0.65943985	0.20349792	3.24052377	0.0011931	0.00524621
YIL162W	1586.81622	-0.6515772	0.15025122	-4.3365854	1.45E-05	0.00013091
YIR006C	368.255852	0.8023641	0.18543307	4.3269742	1.51E-05	0.00013539
YIR007W	176.994882	0.72239525	0.22646486	3.18987793	0.00142333	0.00611289
YIR011C	2528.23126	-0.5825879	0.13190355	-4.4167721	1.00E-05	9.44E-05
YIR012W	12335.698	-0.6816665	0.12964755	-5.2578431	1.46E-07	2.39E-06
YIR014W	243.227149	0.80214857	0.2199429	3.64707651	0.00026524	0.00148877
YIR018W	565.772506	-0.6033256	0.16843889	-3.5818666	0.00034115	0.0018402
YIR023W	166.068151	0.88070513	0.24382475	3.61204153	0.0003038	0.0016728
YIR025W	328.221003	0.6364411	0.20768875	3.06439861	0.00218108	0.00868156
YIR026C	1443.33408	-1.0429849	0.13736175	-7.5929793	3.13E-14	2.07E-12
YIR027C	85.3311928	0.84627247	0.29048948	2.91326375	0.00357672	0.01301987
YIR028W	83.0500222	1.32978704	0.30668497	4.33600334	1.45E-05	0.00013091
YIR034C	689.531675	0.83117522	0.2453107	3.38825504	0.00070339	0.0033836
YIR035C	1667.81314	-0.7211607	0.14932087	-4.8296044	1.37E-06	1.74E-05
YJL011C	1358.08692	-0.7209398	0.1554483	-4.6378103	3.52E-06	3.86E-05
YJL012C	14138.2861	-2.3391977	0.1220151	-19.171379	6.42E-82	9.77E-79
YJL025W	84.3490072	0.87070458	0.28992793	3.0031759	0.00267178	0.01031778
YJL030W	894.974115	-0.6341833	0.14981298	-4.2331667	2.30E-05	0.00019015
YJL034W	15751.4791	-0.9165066	0.15655857	-5.8540809	4.80E-09	1.13E-07
YJL038C	51.9239808	1.86356423	0.32717355	5.69595024	1.23E-08	2.68E-07
YJL041W	485.257791	0.72566163	0.18559845	3.90984743	9.24E-05	0.00061402
YJL045W	90.4668236	1.1874233	0.27852798	4.26321011	2.02E-05	0.00017089
YJL047C-A	155.284701	1.086607	0.25327397	4.29024347	1.78E-05	0.00015503
YJL049W	286.490127	0.64246076	0.19191875	3.34756636	0.00081524	0.00381324
YJL052W	1837.14629	-1.9667638	0.21315166	-9.2270627	2.78E-20	4.13E-18
YJL060W	143.913374	0.71714377	0.24294263	2.95190579	0.00315819	0.01179239
YJL062W	436.00936	0.76118948	0.17730376	4.29313779	1.76E-05	0.0001537
YJL063C	1386.69312	-0.7175408	0.17283154	-4.1516773	3.30E-05	0.00025802
YJL084C	72.3661672	1.10077167	0.2989238	3.68244913	0.000231	0.00132718

YJL101C	3827.17624	-0.6735372	0.12794944	-5.2640887	1.41E-07	2.33E-06
YJL105W	82.2276355	1.17572772	0.30175808	3.89625923	9.77E-05	0.00064456
YJL106W	173.987289	0.76572107	0.22925706	3.34001089	0.00083775	0.00389756
YJL117W	3560.53206	-1.3854672	0.14929877	-9.2798299	1.70E-20	2.65E-18
YJL119C	87.020565	-1.2141303	0.28069536	-4.3254378	1.52E-05	0.00013613
YJL122W	1159.3046	-0.9351925	0.1477524	-6.3294573	2.46E-10	7.49E-09
YJL127C	1111.79813	0.69989735	0.15040274	4.65348799	3.26E-06	3.65E-05
YJL134W	2967.49319	-1.009523	0.1488366	-6.7827601	1.18E-11	4.72E-10
YJL136C	4507.15546	-0.7965609	0.12630571	-6.3066103	2.85E-10	8.64E-09
YJL145W	1654.80939	-0.6451123	0.13877052	-4.6487701	3.34E-06	3.70E-05
YJL153C	223.89125	0.98535339	0.21952712	4.48852699	7.17E-06	7.08E-05
YJL159W	551.978223	0.67469151	0.1655688	4.07499178	4.60E-05	0.00034134
YJL163C	620.267466	0.7087121	0.16035022	4.41977618	9.88E-06	9.33E-05
YJL167W	13707.3337	-0.846723	0.1642752	-5.154296	2.55E-07	3.91E-06
YJL170C	26.56725	1.29548038	0.36327467	3.56611814	0.00036231	0.00193719
YJL171C	4619.59166	-0.958943	0.15375738	-6.2367278	4.47E-10	1.29E-08
YJL172W	591.832375	-0.6220856	0.1825644	-3.4074858	0.00065564	0.00318665
YJL177W	5128.26329	-0.5946767	0.12780317	-4.6530667	3.27E-06	3.65E-05
YJL183W	6749.08205	-0.6665175	0.13166905	-5.0620669	4.15E-07	6.06E-06
YJL186W	9837.43799	-0.6073825	0.12555514	-4.8375755	1.31E-06	1.69E-05
YJL187C	915.856035	0.69223878	0.18741559	3.69360306	0.0002211	0.0012763
YJL195C	30.6261554	1.33784603	0.37125151	3.60361101	0.00031383	0.00172026
YJL207C	7417.89811	0.59132663	0.14776554	4.00178987	6.29E-05	0.00043955
YJR003C	3134.99519	-0.6260362	0.15255545	-4.1036633	4.07E-05	0.00030803
YJR004C	1208.35537	1.11708786	0.1760106	6.34670779	2.20E-10	6.77E-09
YJR009C	28265.1392	-0.879788	0.18296512	-4.8085009	1.52E-06	1.90E-05
YJR010C-A	379.495961	-0.7395507	0.20314214	-3.6405576	0.00027205	0.00151858
YJR017C	358.210373	-0.7232796	0.21720447	-3.3299482	0.00086862	0.0040075
YJR024C	2160.53769	-0.742725	0.14169882	-5.2415748	1.59E-07	2.57E-06
YJR033C	1923.18799	0.65459312	0.13608075	4.81032865	1.51E-06	1.89E-05
YJR036C	752.251674	0.69218996	0.16468658	4.20307453	2.63E-05	0.00021299
YJR046W	4241.60705	-0.6573701	0.13445292	-4.8892212	1.01E-06	1.34E-05
YJR047C	273.949426	1.16872028	0.25569107	4.57082952	4.86E-06	5.06E-05
YJR048W	289.826078	-0.998823	0.30137117	-3.314262	0.00091885	0.00420422
YJR064W	29568.499	-0.6297388	0.14607775	-4.3109837	1.63E-05	0.00014324
YJR075W	4302.72421	-0.5877097	0.12809364	-4.5881253	4.47E-06	4.71E-05
YJR091C	211.017053	1.17499593	0.21237781	5.5325739	3.16E-08	6.14E-07
YJR093C	74.3715972	1.12662504	0.30102605	3.74261649	0.00018211	0.00108414
YJR094W-A	12493.7758	-0.6257533	0.15322428	-4.0839045	4.43E-05	0.00033011
YJR095W	46.0801859	1.04222205	0.35323191	2.95053202	0.00317227	0.0118377
YJR101W	1132.12814	-0.8033009	0.16969094	-4.733906	2.20E-06	2.59E-05
YJR104C	9644.04442	-0.6315152	0.18966846	-3.329574	0.00086979	0.00400985
YJR105W	19745.6938	-0.6288506	0.12738977	-4.9364297	7.96E-07	1.07E-05
YJR113C	2232.0544	-0.9185372	0.13286031	-6.9135557	4.73E-12	1.97E-10
YJR117W	202.50354	1.00116551	0.26096089	3.83645807	0.00012482	0.00079101
YJR138W	3053.44864	0.65900229	0.13871662	4.75070888	2.03E-06	2.43E-05
YJR139C	18492.4504	-0.6515808	0.14464032	-4.5048348	6.64E-06	6.59E-05
YJR145C	22733.2524	-1.070241	0.11997248	-8.9207211	4.63E-19	5.53E-17
YJR148W	33970.1814	-0.8796254	0.16496024	-5.3323477	9.70E-08	1.66E-06
YJR150C	53.9436043	2.31670438	0.34201159	6.77375993	1.25E-11	4.93E-10
YKL006W	4930.27521	-0.693926	0.12912395	-5.3741076	7.70E-08	1.34E-06
YKL007W	1631.22106	-0.6228633	0.18427651	-3.3800475	0.00072473	0.00346438
YKL009W	6282.80752	-0.6155587	0.14278565	-4.3110687	1.62E-05	0.00014324
YKL015W	5295.96823	-0.8572287	0.13861341	-6.1843126	6.24E-10	1.72E-08
YKL019W	806.6409	-0.6732958	0.15184603	-4.4340689	9.25E-06	8.87E-05
YKL027W	1555.24361	-0.6720297	0.15144842	-4.4373503	9.11E-06	8.78E-05
YKL034W	128.271054	0.82353515	0.24666015	3.33874424	0.00084158	0.00391238
YKL039W	1909.11575	-0.6138964	0.19317894	-3.1778639	0.00148364	0.0063273
YKL042W	80.8799198	0.86731105	0.28688752	3.02317461	0.00250138	0.00974002
YKL046C	10003.9113	-0.6643185	0.13924931	-4.770713	1.84E-06	2.23E-05
YKL054C	2938.70999	0.69782351	0.16428616	4.24760975	2.16E-05	0.00018025
YKL056C	46679.2065	-0.5944049	0.13417669	-4.430016	9.42E-06	9.00E-05
YKL060C	78562.4994	-0.8659247	0.12011452	-7.2091592	5.63E-13	2.79E-11
YKL062W	89.6606693	1.05934695	0.27532203	3.84766502	0.00011925	0.00076204
YKL080W	13302.9494	-0.64881	0.12720522	-5.1004981	3.39E-07	5.02E-06
YKL094W	3722.04323	-0.5820372	0.12578015	-4.6274169	3.70E-06	4.02E-05

YKL098W	648.618362	-0.6193122	0.16445531	-3.7658392	0.00016599	0.00100585
YKL105C	427.06888	0.84702781	0.21671918	3.9084118	9.29E-05	0.000617
YKL120W	13819.4422	-1.8777911	0.33916931	-5.5364417	3.09E-08	6.04E-07
YKL121W	586.176972	1.73028207	0.17025899	10.1626472	2.91E-24	5.72E-22
YKL124W	241.897355	0.61669469	0.20862343	2.95601835	0.00311639	0.01167925
YKL128C	3683.21667	-0.9118737	0.16583024	-5.4988387	3.82E-08	7.25E-07
YKL129C	2704.3666	0.78822315	0.15225833	5.1768804	2.26E-07	3.50E-06
YKL142W	1233.0109	-0.7201447	0.16854358	-4.2727505	1.93E-05	0.00016491
YKL148C	411.921111	0.61603525	0.17828602	3.45532007	0.00054964	0.00273473
YKL152C	50533.5719	-1.1251314	0.12663633	-8.8847439	6.41E-19	7.23E-17
YKL181W	4157.30124	-0.7855217	0.12683001	-6.1935005	5.88E-10	1.64E-08
YKL183W	1234.95896	-0.91359	0.14797482	-6.1739558	6.66E-10	1.81E-08
YKL186C	658.518775	-0.7726515	0.15691924	-4.9238798	8.48E-07	1.14E-05
YKL187C	55.6003638	1.19278616	0.31646185	3.76913094	0.00016382	0.00099565
YKL191W	3941.2626	-0.5840663	0.13978265	-4.1783891	2.94E-05	0.0002331
YKL201C	226.517539	0.69917869	0.23003419	3.03945547	0.00237006	0.00931806
YKL207W	3657.8267	-0.8109002	0.18455415	-4.3938337	1.11E-05	0.00010371
YKL216W	17561.0327	-0.6938101	0.12273012	-5.6531361	1.58E-08	3.31E-07
YKL221W	84.6015992	1.06122978	0.30732583	3.45310961	0.00055416	0.00275324
YKR008W	244.408846	0.71532352	0.20132277	3.55311782	0.00038069	0.00202242
YKR009C	140.942686	0.76235371	0.25135389	3.03298945	0.00242144	0.00948943
YKR015C	85.5822518	1.31364382	0.28563846	4.59897387	4.25E-06	4.52E-05
YKR016W	735.441617	0.65205186	0.15552166	4.19267566	2.76E-05	0.00022091
YKR023W	1154.25078	0.59658602	0.16456405	3.62525112	0.00028868	0.00160261
YKR026C	4016.93436	-0.7471679	0.13680944	-5.4613765	4.72E-08	8.69E-07
YKR039W	2242.96593	-0.7484712	0.14686982	-5.0961535	3.47E-07	5.12E-06
YKR042W	879.958202	0.63142204	0.16189895	3.90009977	9.62E-05	0.00063605
YKR043C	2921.13721	-0.7560018	0.16211727	-4.6633019	3.11E-06	3.51E-05
YKR044W	1052.65319	-0.6265141	0.14721962	-4.2556425	2.08E-05	0.00017558
YKR052C	1500.41368	-1.019537	0.14338444	-7.110514	1.16E-12	5.42E-11
YKR058W	267.320622	0.83193954	0.2139496	3.88848369	0.00010087	0.00066269
YKR059W	6021.62018	-1.1980743	0.13035105	-9.1911361	3.89E-20	5.51E-18
YKR062W	1027.45053	-0.7742006	0.19060869	-4.0617279	4.87E-05	0.000354
YKR070W	2232.37339	-0.5811494	0.14011057	-4.1477915	3.36E-05	0.00026165
YKR071C	992.178037	-0.928444	0.16983131	-5.46686	4.58E-08	8.48E-07
YKR074W	1947.82693	-0.7867815	0.13751961	-5.7212317	1.06E-08	2.35E-07
YKR087C	1696.20675	-0.6398402	0.18199993	-3.5156066	0.00043875	0.00228962
YKR093W	3482.14905	-1.0108985	0.13699117	-7.3792971	1.59E-13	9.06E-12
YKR095W	8161.39091	0.63144238	0.14253997	4.42993197	9.43E-06	9.00E-05
YKR097W	67.7642919	0.9216004	0.29851388	3.08729499	0.00201987	0.00812484
YKR103W	795.011366	0.74589742	0.15386536	4.847728	1.25E-06	1.61E-05
YKR104W	164.70389	0.79564467	0.26187217	3.0382941	0.00237922	0.00934199
YKR105C	53.6986916	1.25865354	0.35079239	3.58802981	0.00033319	0.00180365
YKR106W	136.791163	0.79910122	0.26476527	3.01814966	0.00254323	0.00987773
YLL005C	48.1760479	1.63094583	0.33222045	4.9092276	9.14E-07	1.22E-05
YLL019C	258.575468	0.6705574	0.19948928	3.36137055	0.00077557	0.00366424
YLL050C	4607.46137	-0.6556058	0.20929691	-3.1324197	0.00173372	0.00720706
YLL051C	1194.67984	-0.698821	0.1444211	-4.8387733	1.31E-06	1.68E-05
YLL053C	307.127633	-0.677818	0.23404414	-2.8961119	0.00377818	0.0136068
YLL061W	3360.23323	-0.7712739	0.15260971	-5.0538979	4.33E-07	6.29E-06
YLL062C	516.96542	-0.8752319	0.19272919	-4.5412522	5.59E-06	5.66E-05
YLR004C	145.290334	0.85645944	0.23992371	3.56971579	0.00035737	0.00191414
YLR006C	219.798946	0.8362718	0.20979943	3.98605363	6.72E-05	0.00046493
YLR008C	1041.43023	-0.8934502	0.18475206	-4.8359418	1.33E-06	1.70E-05
YLR016C	623.186051	-0.7848901	0.20040677	-3.9164848	8.98E-05	0.00060064
YLR022C	1023.1762	-0.6617196	0.15482738	-4.2739186	1.92E-05	0.00016451
YLR029C	94206.5923	-0.9888431	0.13286229	-7.4426168	9.87E-14	5.89E-12
YLR034C	1810.03765	-0.641149	0.15529063	-4.1287035	3.65E-05	0.00028087
YLR035C	726.009514	0.60996489	0.16456329	3.70656727	0.00021009	0.00122434
YLR054C	122.900235	1.0904973	0.25270247	4.31534087	1.59E-05	0.00014126
YLR056W	7962.91588	-0.7441992	0.16909101	-4.4011755	1.08E-05	0.00010087
YLR061W	15210.8347	-1.3568159	0.12842921	-10.564699	4.34E-26	9.80E-24
YLR075W	162586.019	-0.8833518	0.12310381	-7.1756661	7.20E-13	3.48E-11
YLR080W	433.7665	0.71825716	0.19363185	3.70939579	0.00020775	0.0012119
YLR126C	1153.31449	-0.8374828	0.14172595	-5.9091707	3.44E-09	8.38E-08

YLR130C	3593.66384	-0.7045423	0.16109824	-4.3733703	1.22E-05	0.00011238
YLR136C	152.319838	-1.9193212	0.24858591	-7.7209574	1.15E-14	8.18E-13
YLR149C	121.571901	1.26050819	0.2683941	4.6964824	2.65E-06	3.05E-05
YLR150W	53087.4232	-1.1548056	0.14085269	-8.1986764	2.43E-16	2.06E-14
YLR167W	94223.7653	-0.9033745	0.11925681	-7.5750353	3.59E-14	2.35E-12
YLR172C	703.656768	-0.635522	0.16139142	-3.9377678	8.22E-05	0.00055589
YLR179C	2588.44712	-0.8080481	0.12989932	-6.2205719	4.95E-10	1.41E-08
YLR180W	20305.1907	-0.6734673	0.15066191	-4.4700568	7.82E-06	7.66E-05
YLR189C	6747.06102	0.76199161	0.1483593	5.13612291	2.80E-07	4.25E-06
YLR192C	5515.97573	-0.7079716	0.13670993	-5.1786404	2.24E-07	3.47E-06
YLR205C	484.576812	-1.3547306	0.25052222	-5.4076266	6.39E-08	1.13E-06
YLR206W	909.578155	1.06488123	0.15328327	6.94714577	3.73E-12	1.58E-10
YLR208W	9301.31208	-0.6898566	0.126175	-5.4674583	4.57E-08	8.48E-07
YLR209C	1220.15812	-0.6651728	0.18184449	-3.6579211	0.00025427	0.00144047
YLR211C	236.88802	0.77582464	0.24423533	3.17654555	0.0014904	0.00635169
YLR213C	305.905201	-0.7343264	0.2351234	-3.1231534	0.00178924	0.00739247
YLR214W	7025.77227	-1.1725343	0.21189786	-5.533488	3.14E-08	6.13E-07
YLR221C	1601.23224	-0.6181349	0.15946975	-3.8761891	0.00010611	0.00069036
YLR243W	1728.84761	-0.67714	0.1606386	-4.2153007	2.49E-05	0.0002034
YLR256W	4478.16793	-0.5989641	0.13384816	-4.4749524	7.64E-06	7.51E-05
YLR264W	4017.23034	-0.8602227	0.13423008	-6.4085686	1.47E-10	4.64E-09
YLR266C	2206.76015	-0.6035461	0.13105267	-4.6053706	4.12E-06	4.40E-05
YLR276C	1139.92419	-0.7070786	0.1764648	-4.0069104	6.15E-05	0.00043112
YLR285W	1584.36584	-0.6524027	0.15217491	-4.2871899	1.81E-05	0.00015612
YLR286C	1222.45455	0.85205763	0.15188766	5.60978827	2.03E-08	4.13E-07
YLR287C	2824.28289	-0.6577359	0.13786556	-4.7708502	1.83E-06	2.23E-05
YLR291C	944.982034	-0.704187	0.16016734	-4.3965705	1.10E-05	0.00010272
YLR300W	6289.7532	-0.6820892	0.14200665	-4.8032199	1.56E-06	1.94E-05
YLR301W	7377.06776	-0.635137	0.12054059	-5.2690715	1.37E-07	2.28E-06
YLR302C	19.126761	1.15190704	0.37117132	3.10343766	0.00191287	0.00776687
YLR303W	4742.63015	-0.6189114	0.20808724	-2.974288	0.00293669	0.01114712
YLR307W	62.4324688	1.49984472	0.31350859	4.78406256	1.72E-06	2.12E-05
YLR312C	225.972965	0.62701214	0.20968654	2.99023553	0.00278762	0.01069057
YLR312W-A	2164.47799	-0.8147605	0.15436068	-5.2782901	1.30E-07	2.18E-06
YLR325C	13039.0419	-0.8338282	0.12423673	-6.7116075	1.92E-11	7.24E-10
YLR328W	1136.51238	-0.8524059	0.15615893	-5.4585794	4.80E-08	8.80E-07
YLR335W	751.811523	0.77749826	0.17236501	4.51076627	6.46E-06	6.42E-05
YLR343W	186.072143	0.88036286	0.22392148	3.93156946	8.44E-05	0.0005679
YLR346C	334.654765	-0.685481	0.20089372	-3.4121575	0.00064451	0.00314005
YLR348C	2391.41211	-1.1529915	0.13040683	-8.8414961	9.44E-19	1.05E-16
YLR351C	1263.14659	-0.8644745	0.18211878	-4.7467621	2.07E-06	2.47E-05
YLR354C	13180.6286	-0.9022182	0.13239598	-6.8145435	9.46E-12	3.84E-10
YLR355C	43466.6837	-1.1256914	0.15899283	-7.0801398	1.44E-12	6.54E-11
YLR373C	215.371246	0.71287264	0.22878774	3.11586901	0.00183404	0.00751129
YLR405W	1483.15513	-0.7875464	0.1455577	-5.4105444	6.28E-08	1.12E-06
YLR406C	2289.58353	-0.7505041	0.13954983	-5.3780367	7.53E-08	1.31E-06
YLR423C	536.388761	0.71200886	0.1761047	4.04309965	5.27E-05	0.00037889
YLR432W	2685.72515	-0.6708074	0.13505609	-4.9668804	6.80E-07	9.31E-06
YLR437C	162.133574	0.75343654	0.22826654	3.30068759	0.00096448	0.00438412
YLR441C	58945.3607	-0.9680446	0.13466216	-7.1886904	6.54E-13	3.19E-11
YLR442C	2090.90258	0.67240204	0.13536863	4.96719234	6.79E-07	9.31E-06
YLR447C	12835.1428	-0.8886334	0.11921318	-7.4541539	9.04E-14	5.51E-12
YLR448W	3818.94818	-0.9540364	0.14440309	-6.6067591	3.93E-11	1.37E-09
YML004C	6911.80034	-0.6206871	0.18418337	-3.3699412	0.00075184	0.00357433
YML005W	500.891746	-0.8019728	0.17570002	-4.5644433	5.01E-06	5.17E-05
YML022W	5773.35165	-0.6158516	0.13931836	-4.4204624	9.85E-06	9.32E-05
YML024W	22786.3253	-0.7278141	0.13452664	-5.4101858	6.30E-08	1.12E-06
YML026C	34963.8783	-0.7462189	0.12667206	-5.8909513	3.84E-09	9.24E-08
YML063W	59722.5603	-1.1105929	0.12496622	-8.8871447	6.27E-19	7.20E-17
YML064C	1154.04778	-0.7067076	0.1456918	-4.8507027	1.23E-06	1.60E-05
YML066C	33.4631247	1.21653134	0.35557703	3.42128779	0.00062325	0.00304869
YML076C	146.276543	0.96977436	0.23787529	4.07681839	4.57E-05	0.00033949
YML101C	260.886207	-0.6465195	0.19990515	-3.2341313	0.00122013	0.00535347
YML105C	1784.10367	-0.6111803	0.13373449	-4.570102	4.87E-06	5.07E-05
YML106W	7963.39924	-0.6818109	0.12128795	-5.6214236	1.89E-08	3.90E-07

YML107C	384.938139	-0.8303544	0.18977134	-4.3755519	1.21E-05	0.00011143
YML111W	556.384299	0.70129051	0.17221945	4.07207503	4.66E-05	0.00034473
YML115C	5246.15177	-0.6459866	0.12650157	-5.1065501	3.28E-07	4.90E-06
YML120C	297.383589	0.61407943	0.20316122	3.02262131	0.00250596	0.00975161
YML121W	1461.067	-0.899726	0.14273507	-6.3034679	2.91E-10	8.77E-09
YML123C	2477.39434	-4.9624008	0.19471283	-25.485741	2.84E-143	8.64E-140
YML130C	8178.37909	-0.5943246	0.1341866	-4.4290904	9.46E-06	9.02E-05
YMR006C	666.444911	0.91761708	0.2695217	3.404613	0.00066258	0.00321522
YMR010W	961.960243	-0.7342628	0.1805742	-4.0662666	4.78E-05	0.00034884
YMR013W-A	287.107415	2.21806059	0.31292377	7.08818194	1.36E-12	6.27E-11
YMR017W	61.7905219	1.44495666	0.32650976	4.42546239	9.62E-06	9.14E-05
YMR038C	3610.31263	-0.8618688	0.15139779	-5.6927438	1.25E-08	2.70E-07
YMR042W	239.876792	-0.7029403	0.21445603	-3.277783	0.00104626	0.00468853
YMR053C	490.689063	0.65113751	0.1696433	3.83827416	0.0001239	0.00078764
YMR057C	23.8448976	1.06858444	0.36570022	2.92202297	0.00347766	0.01275072
YMR058W	6084.05964	-3.0429575	0.20375236	-14.934588	1.96E-50	1.71E-47
YMR075W	201.924349	0.68861145	0.21376464	3.22135337	0.00127587	0.00555399
YMR076C	741.176627	0.73670766	0.15245432	4.83231742	1.35E-06	1.72E-05
YMR079W	1961.29764	-0.7419761	0.17122892	-4.3332406	1.47E-05	0.00013217
YMR083W	24925.5811	-1.146337	0.18071873	-6.3432108	2.25E-10	6.89E-09
YMR085W	217.090527	0.66258948	0.20785709	3.1877165	0.00143401	0.00614576
YMR086W	924.957584	0.59971928	0.14840857	4.04100166	5.32E-05	0.00038178
YMR099C	4725.26435	-0.7746468	0.1560219	-4.9649875	6.87E-07	9.38E-06
YMR108W	18560.0464	-0.7971492	0.16823938	-4.7381843	2.16E-06	2.55E-05
YMR113W	1911.91227	-0.6094366	0.1359973	-4.4812401	7.42E-06	7.31E-05
YMR116C	100083.94	-1.2078975	0.13553188	-8.9122759	5.00E-19	5.86E-17
YMR133W	34.9302351	1.21507192	0.35258921	3.44614037	0.00056865	0.00281096
YMR142C	15547.9907	-0.9871868	0.12838049	-7.6895387	1.48E-14	1.02E-12
YMR145C	2063.47043	-0.9270805	0.17048949	-5.4377576	5.40E-08	9.75E-07
YMR157C	488.440299	-0.7355747	0.20139248	-3.6524437	0.00025976	0.00146474
YMR184W	541.67379	-0.6149693	0.20059181	-3.0657746	0.00217107	0.00864736
YMR186W	118829.938	-0.6230646	0.14898201	-4.1821464	2.89E-05	0.00023018
YMR193C-A	9.54125322	1.06217063	0.35739067	2.97201558	0.00295852	0.01121878
YMR194C-B	50.7701534	-0.9512832	0.31946019	-2.9777832	0.00290341	0.01103732
YMR194W	686.421483	-0.6869884	0.16252292	-4.2270248	2.37E-05	0.00019477
YMR200W	3354.95309	-0.5844047	0.18509704	-3.1572881	0.00159244	0.00671604
YMR209C	1895.5627	-0.7321367	0.13952384	-5.2473951	1.54E-07	2.51E-06
YMR210W	1513.31122	-0.5928616	0.15842073	-3.7423237	0.00018233	0.00108434
YMR219W	2976.2972	0.78662124	0.14030445	5.60653074	2.06E-08	4.18E-07
YMR226C	2900.18093	-0.8402407	0.19840712	-4.2349325	2.29E-05	0.00018891
YMR227C	1088.04125	0.82171313	0.14919892	5.50750062	3.64E-08	7.01E-07
YMR236W	739.776666	-1.0456155	0.17787019	-5.8785314	4.14E-09	9.85E-08
YMR241W	10468.8587	-1.2558995	0.13392116	-9.3779022	6.73E-21	1.11E-18
YMR264W	3206.87564	-0.6302445	0.13857757	-4.5479546	5.42E-06	5.51E-05
YMR265C	1099.00097	-0.9175329	0.15572641	-5.8919544	3.82E-09	9.22E-08
YMR273C	1125.59725	0.61072456	0.14698338	4.15505876	3.25E-05	0.00025522
YMR280C	235.964478	1.10359386	0.22555799	4.89272779	9.94E-07	1.32E-05
YMR290C	3274.95761	-0.6060315	0.13014743	-4.6564999	3.22E-06	3.61E-05
YMR291W	362.207702	-0.7447004	0.19555931	-3.8080537	0.00014006	0.00087308
YMR316C-B	237.56102	0.7675759	0.21910154	3.50328839	0.00045955	0.00237175
YMR316W	603.059126	-0.8022935	0.17337282	-4.627562	3.70E-06	4.02E-05
YMR317W	53.6590258	1.33322987	0.33391185	3.99275999	6.53E-05	0.00045455
YMR318C	16876.3298	-0.7250379	0.15175732	-4.777614	1.77E-06	2.17E-05
YMR324C	17.2396584	1.2752212	0.37129939	3.43448236	0.00059369	0.00291682
YML001W	2598.56644	-0.8454427	0.13650142	-6.1936551	5.88E-10	1.64E-08
YML002C	9001.83275	-0.8711407	0.13681954	-6.3670783	1.93E-10	5.99E-09
YNL010W	5187.10238	-0.6929893	0.13147916	-5.2707158	1.36E-07	2.27E-06
YNL014W	1031.55572	0.69238666	0.14354554	4.82346327	1.41E-06	1.79E-05
YNL018C	9.36174406	1.22384521	0.35396687	3.45751345	0.00054519	0.00272052
YNL022C	3899.23075	-0.629908	0.12891885	-4.8860815	1.03E-06	1.36E-05
YNL029C	2704.01644	-0.6609052	0.13722579	-4.8161883	1.46E-06	1.84E-05
YNL031C	9736.20485	-0.8952949	0.13302818	-6.7301147	1.70E-11	6.49E-10
YNL042W-B	41.704838	1.17528849	0.35507748	3.30994942	0.00093313	0.00425993
YNL052W	655.300029	-0.9742769	0.18221764	-5.346776	8.95E-08	1.54E-06
YNL062C	4353.48996	-0.7118424	0.13614736	-5.2284705	1.71E-07	2.72E-06

YNL067W	3829.13313	-0.7127526	0.17885897	-3.9849977	6.75E-05	0.00046647
YNL070W	114.803919	0.79224829	0.25537836	3.10225302	0.00192054	0.00779219
YNL075W	3548.95524	-0.7590822	0.1487993	-5.1013824	3.37E-07	5.02E-06
YNL090W	2425.55135	-0.5858649	0.13464529	-4.351173	1.35E-05	0.00012345
YNL098C	3578.76868	-0.6506699	0.13987124	-4.651921	3.29E-06	3.66E-05
YNL108C	749.210605	-0.8509738	0.20349416	-4.1818095	2.89E-05	0.00023022
YNL119W	1707.31981	-0.6689348	0.14188783	-4.7145326	2.42E-06	2.81E-05
YNL130C	1426.20166	-0.7093292	0.1873258	-3.7866074	0.00015272	0.00093755
YNL134C	1501.40404	-1.00878	0.20241179	-4.9838005	6.23E-07	8.65E-06
YNL141W	1872.87361	-0.8354191	0.1626112	-5.1375249	2.78E-07	4.24E-06
YNL153C	1877.18459	-0.6180947	0.14683672	-4.2094012	2.56E-05	0.00020791
YNL155W	2764.98253	-0.7899217	0.13561048	-5.8249305	5.71E-09	1.32E-07
YNL162W	8203.64112	-0.9122651	0.12646028	-7.2138471	5.44E-13	2.72E-11
YNL168C	945.814187	-0.6746615	0.1869588	-3.6086105	0.00030784	0.00169354
YNL178W	26340.394	-1.2023182	0.11954396	-10.05754	8.51E-24	1.62E-21
YNL182C	4218.10463	-0.7415927	0.13457157	-5.5107681	3.57E-08	6.91E-07
YNL183C	256.000744	1.09126648	0.20870402	5.22877555	1.71E-07	2.72E-06
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YNL204C	130.639164	0.73797006	0.24873009	2.9669513	0.00300769	0.01138397
YNL207W	4851.9121	-0.7322155	0.13459451	-5.4401588	5.32E-08	9.65E-07
YNL217W	3777.19658	-1.21408	0.12998381	-9.3402402	9.61E-21	1.54E-18
YNL231C	4988.51334	-1.1411738	0.13738668	-8.3062912	9.87E-17	9.25E-15
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YNL241C	783.000988	-0.6638958	0.15560902	-4.2664352	1.99E-05	0.00016898
YNL251C	110.668067	1.11690612	0.26574186	4.20297404	2.63E-05	0.00021299
YNL253W	860.984649	-0.7767206	0.15511605	-5.0073514	5.52E-07	7.78E-06
YNL277W	1548.72014	-0.8174182	0.18426116	-4.4361939	9.16E-06	8.81E-05
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YNL280C	6690.17518	-0.6668825	0.16191603	-4.1186935	3.81E-05	0.00029188
YNL281W	3170.4064	-0.7010122	0.12894562	-5.4364947	5.43E-08	9.79E-07
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YNR006W	86.1007095	0.83009767	0.28775275	2.88476019	0.00391712	0.01402425
YNR019W	2621.79856	-0.7789864	0.18536542	-4.2024366	2.64E-05	0.00021299
YNR027W	1843.29669	-0.6282507	0.14155977	-4.4380592	9.08E-06	8.76E-05
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YNR060W	330.220132	-1.4202615	0.24894745	-5.7050656	1.16E-08	2.56E-07
YNR062C	51.1191486	0.99009908	0.340947	2.90396775	0.00368466	0.01331732
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YOL010W	4446.49689	-0.9840088	0.14485446	-6.7930855	1.10E-11	4.43E-10
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YOL022C	4819.9086	-0.7387602	0.1294604	-5.7064574	1.15E-08	2.55E-07
YOL025W	73.7029935	1.00871929	0.28960206	3.48312196	0.0004956	0.00252571
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YOL047C	26.1372771	1.13531814	0.37136842	3.05712085	0.00223474	0.00885464
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YOL084W	113.283866	1.33441976	0.26480714	5.03921371	4.67E-07	6.69E-06
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YOL100W	270.565939	0.82388756	0.21972753	3.74958734	0.00017713	0.00105755
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YOL109W	32445.8902	-0.894219	0.1191364	-7.5058419	6.10E-14	3.83E-12
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YOL120C	10060.8856	-0.9204607	0.12245011	-7.5170264	5.60E-14	3.55E-12
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YOL125W	3621.08785	-0.6904881	0.12554193	-5.5000591	3.80E-08	7.25E-07
YOL126C	334.750003	0.67702855	0.21478951	3.15205594	0.00162125	0.00681396
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YOL151W	1844.331	-1.7658028	0.13687987	-12.900383	4.48E-38	2.27E-35
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YOL158C	6108.29449	-1.3616327	0.12348309	-11.026876	2.84E-28	7.85E-26
YOL166C	22.1734764	1.32748918	0.36806497	3.6066708	0.00031015	0.00170471
YOR004W	2964.4179	-0.8298702	0.1442686	-5.7522582	8.81E-09	1.99E-07
YOR011W	668.410952	0.58501327	0.1715526	3.41011009	0.00064937	0.00316119
YOR023C	51.5745128	0.97525203	0.32031044	3.04470888	0.00232906	0.00917461
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YOR092W	182.303594	0.70295253	0.2325943	3.02222598	0.00250923	0.00975812
YOR095C	3093.46177	-0.8975224	0.13166891	-6.8165092	9.33E-12	3.81E-10
YOR096W	39228.9428	-0.9887797	0.12782583	-7.7353671	1.03E-14	7.39E-13
YOR099W	7673.0323	-0.9551559	0.13155525	-7.2604924	3.86E-13	2.04E-11
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YOR111W	602.365585	-0.6275515	0.19685602	-3.1878706	0.00143325	0.00614576
YOR113W	245.989533	0.85737751	0.23794333	3.60328456	0.00031422	0.00172087
YOR115C	2786.69564	-0.7592257	0.14078632	-5.3927516	6.94E-08	1.22E-06
YOR129C	272.988082	0.62374646	0.2040112	3.05741286	0.00223257	0.00885177
YOR131C	1635.2654	-0.7090623	0.16536374	-4.2878945	1.80E-05	0.00015603
YOR134W	28.412875	1.04683285	0.36040353	2.90461319	0.00367707	0.01331732
YOR145C	1815.67715	-0.8605942	0.15733957	-5.4696618	4.51E-08	8.45E-07
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YOR157C	1607.02841	-1.0665313	0.15074567	-7.0750374	1.49E-12	6.74E-11
YOR161C	974.662798	-0.9494347	0.14937952	-6.3558558	2.07E-10	6.41E-09
YOR178C	33.3542103	1.3127424	0.36576479	3.58903441	0.00033191	0.00179991
YOR184W	17237.8824	-0.7975109	0.16891191	-4.7214602	2.34E-06	2.73E-05
YOR187W	11459.4857	-0.6683244	0.14082925	-4.7456361	2.08E-06	2.48E-05
YOR189W	499.579559	-0.6885406	0.17548166	-3.9237185	8.72E-05	0.00058352
YOR190W	162.578619	0.71554767	0.2309664	3.09805954	0.00194792	0.00787183
YOR195W	2482.05354	0.67688437	0.13771094	4.9152549	8.87E-07	1.19E-05
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YOR209C	3148.52566	-0.6721035	0.12836567	-5.235851	1.64E-07	2.63E-06
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YOR221C	62.1725055	0.97539921	0.31021376	3.14428093	0.00166496	0.00695922
YOR226C	303.158858	-1.3353797	0.19333649	-6.9070235	4.95E-12	2.04E-10
YOR234C	9100.177	-0.7470931	0.12637934	-5.9115129	3.39E-09	8.32E-08
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YOR246C	6900.43124	-0.6098252	0.12655516	-4.8186517	1.45E-06	1.83E-05
YOR251C	1501.76922	-0.636574	0.15535109	-4.0976473	4.17E-05	0.00031419
YOR253W	2535.88514	-0.6806529	0.13246257	-5.1384547	2.77E-07	4.23E-06
YOR261C	12882.751	-0.7079152	0.12364025	-5.7256041	1.03E-08	2.30E-07
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YOR272W	4579.15668	-0.8166227	0.13919609	-5.8667072	4.45E-09	1.05E-07
YOR276W	2557.69195	-0.6340167	0.13871154	-4.5707568	4.86E-06	5.06E-05
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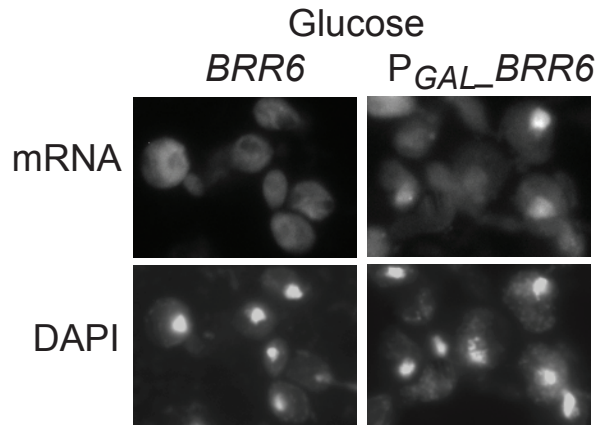
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YOR302W	48.9675431	1.06638392	0.34210522	3.11712258	0.00182626	0.0074996
YOR311C	950.77863	-0.6940165	0.18396981	-3.7724479	0.00016165	0.00098644
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YOR323C	8878.35285	-0.6026933	0.17013539	-3.5424334	0.00039645	0.00209536
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YOR327C	247.311152	-0.9026	0.22271492	-4.0527144	5.06E-05	0.00036617
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YOR340C	4401.2137	-0.7110208	0.13435973	-5.2919187	1.21E-07	2.06E-06
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YOR363C	447.203731	0.63323642	0.19482518	3.2502801	0.00115291	0.00509155
YOR365C	53.839357	1.46648859	0.33277132	4.40689594	1.05E-05	9.86E-05
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YOR382W	90.6335355	-1.3210642	0.29717556	-4.4453998	8.77E-06	8.48E-05
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YOR388C	129.094852	1.0822687	0.2875444	3.76383163	0.00016733	0.00100838
YOR394C-A	8.24706207	1.09660907	0.3471675	3.15873194	0.00158457	0.00669057
YPL016W	103.378855	1.07516526	0.27474875	3.9132671	9.11E-05	0.00060671
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YPL019C	27241.4706	-3.4023506	0.12609591	-26.982243	2.39E-160	1.45E-156
YPL028W	18415.938	-1.0141644	0.16934121	-5.9888814	2.11E-09	5.36E-08
YPL031C	974.029637	-0.7260307	0.15139042	-4.7957509	1.62E-06	2.01E-05
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YPL052W	1219.97693	-0.6286331	0.2125301	-2.9578545	0.00309788	0.01164575
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YPL067C	173.549084	-0.7718628	0.24171956	-3.1932161	0.00140698	0.00605975
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YPL083C	490.215606	-0.7735112	0.17613115	-4.3916777	1.12E-05	0.00010442
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YPL090C	24909.2811	-0.9616984	0.13185663	-7.2935158	3.02E-13	1.63E-11
YPL091W	8184.7781	-0.7111188	0.12966749	-5.4841716	4.15E-08	7.83E-07
YPL093W	4005.78655	-0.6314669	0.13241087	-4.7689961	1.85E-06	2.24E-05
YPL099C	759.815935	-0.7072157	0.19353764	-3.6541509	0.00025803	0.00145908
YPL111W	12040.2028	-1.2285178	0.12993143	-9.455124	3.23E-21	5.46E-19
YPL112C	518.99201	-0.5844139	0.17763844	-3.2899068	0.00100221	0.00452839
YPL117C	7151.85241	-0.827554	0.14176655	-5.8374419	5.30E-09	1.24E-07
YPL118W	4034.01102	-0.5996762	0.14641214	-4.0958095	4.21E-05	0.0003163
YPL137C	2289.42677	0.61296971	0.13338203	4.59559428	4.32E-06	4.58E-05
YPL141C	202.282913	0.98528966	0.22311361	4.41608937	1.01E-05	9.46E-05
YPL149W	1118.37674	-0.8017857	0.15441127	-5.1925339	2.07E-07	3.26E-06
YPL164C	397.798814	0.72408352	0.18264298	3.96447487	7.36E-05	0.00050447
YPL166W	77.3906229	0.85553239	0.28728124	2.97803088	0.00290107	0.01103732
YPL173W	644.725968	-0.635743	0.1789545	-3.5525396	0.00038153	0.00202242
YPL178W	1802.7213	-0.7557516	0.16264171	-4.6467271	3.37E-06	3.73E-05
YPL183C	9414.2324	-0.6345098	0.1330324	-4.7695886	1.85E-06	2.24E-05
YPL189C-A	190.108845	-0.730699	0.2264649	-3.2265444	0.00125295	0.00547771
YPL218W	1596.89576	-0.585181	0.13684334	-4.2762845	1.90E-05	0.00016323
YPL219W	105.843564	0.98688049	0.26428386	3.73416861	0.00018834	0.00110847
YPL248C	53.7095536	1.13901204	0.33845834	3.36529462	0.00076462	0.00361813
YPL253C	180.673294	0.71154423	0.22593807	3.14928879	0.00163668	0.00685844
YPL264C	282.560908	0.87949028	0.26029877	3.3787723	0.0007281	0.00347232
YPL265W	6450.27387	-0.6439306	0.14025427	-4.5911653	4.41E-06	4.65E-05
YPL266W	3216.15652	-0.684394	0.13116211	-5.2179243	1.81E-07	2.87E-06
YPL272C	167.757552	0.73094	0.22823822	3.20253103	0.00136226	0.00588796
YPL274W	8786.27444	-0.9742963	0.1212	-8.038748	9.08E-16	7.00E-14
YPR002C-A	75.2021471	0.84622956	0.29362003	2.88205662	0.00395089	0.01412854

YPR002W	972.779365	-1.0232065	0.17089692	-5.9872733	2.13E-09	5.39E-08
YPR004C	975.786054	-0.6224577	0.17371648	-3.5831814	0.00033943	0.00183259
YPR007C	137.182339	0.94490052	0.25264007	3.74010551	0.00018394	0.00109076
YPR008W	310.238974	0.68784612	0.20219062	3.40196853	0.00066902	0.00323618
YPR018W	1115.56488	0.70770514	0.14615506	4.84215281	1.28E-06	1.66E-05
YPR023C	3175.27486	-0.6556567	0.14451433	-4.536967	5.71E-06	5.76E-05
YPR026W	1204.18497	0.72682608	0.16273883	4.46621182	7.96E-06	7.78E-05
YPR030W	77.6108307	1.00936484	0.30510151	3.30829185	0.00093867	0.00428202
YPR035W	12596.0103	-0.8981288	0.13735785	-6.5386054	6.21E-11	2.11E-09
YPR036W	10248.8081	-0.754092	0.15162961	-4.97325	6.58E-07	9.07E-06
YPR041W	16197.5585	-0.8898723	0.13178047	-6.7526867	1.45E-11	5.63E-10
YPR060C	2670.62568	-0.6355675	0.13031267	-4.8772498	1.08E-06	1.41E-05
YPR069C	8610.44309	-1.1016481	0.12634285	-8.7195133	2.79E-18	2.99E-16
YPR074C	9073.33449	-0.6696857	0.12842748	-5.2145045	1.84E-07	2.92E-06
YPR080W	27890.7555	-0.8508167	0.1359595	-6.2578689	3.90E-10	1.15E-08
YPR102C	10731.6795	-0.9373985	0.12418018	-7.5486965	4.40E-14	2.85E-12
YPR103W	11024.5662	-0.7529701	0.12287775	-6.1277989	8.91E-10	2.36E-08
YPR108W-A	25.2944291	1.13821468	0.36774049	3.09515738	0.00196708	0.00793873
YPR110C	11180.9366	-0.8193198	0.12306666	-6.6575288	2.78E-11	1.02E-09
YPR118W	8019.12824	-0.8657106	0.12448291	-6.9544533	3.54E-12	1.52E-10
YPR127W	1044.38119	-0.6362022	0.15464925	-4.1138397	3.89E-05	0.00029697
YPR131C	461.783997	-0.6664092	0.19134898	-3.4826904	0.0004964	0.00252767
YPR132W	40873.6786	-0.5873248	0.13019604	-4.5110807	6.45E-06	6.42E-05
YPR138C	2686.92631	-0.8021299	0.13608559	-5.8943043	3.76E-09	9.13E-08
YPR140W	1111.05227	-0.6988288	0.19386745	-3.604673	0.00031255	0.00171478
YPR145W	43728.8349	-0.6432238	0.19822949	-3.244844	0.00117515	0.00518223
YPR160W	861.761915	0.8297814	0.1538036	5.3950715	6.85E-08	1.21E-06
YPR181C	379.820578	0.59614939	0.20663407	2.88504893	0.00391353	0.01401964
YPR184W	778.480585	0.65093845	0.17013361	3.82604267	0.00013022	0.0008218
YPR185W	1350.40522	0.6173439	0.14204708	4.34605144	1.39E-05	0.0001258
YPR191W	4473.88805	-0.5884016	0.15492021	-3.7980941	0.00014581	0.00090612
YPR194C	665.408338	-1.1257795	0.23776693	-4.7348027	2.19E-06	2.59E-05

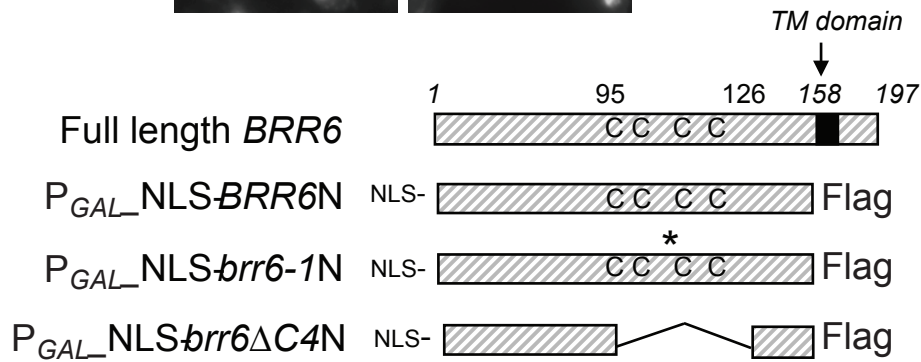
Figure S5 Chromosomal regions associated with NLS-Brr6N and NLS-Brr6ACN fragments

chromosome	start	end	B6N_a_avg	B6N_a_max	B6N_b_avg	B6N_b_max	B6N_T_avg	B6N_T_max	deltaCAN_a	deltaCAN_r	deltaCAN_b	deltaCAN_T	deltaCAN_T_r	PIL_a_avg	PIL_a_max	PIL_b_avg	PIL_b_max	PIL_T_avg	PIL_T_max	transcript	B6N_a_norm	B6N_b_norm	deltaCAN_a_r	deltaCAN_b_r	PIL_a_norm	PIL_b_norm	B6N_a_max_n	B6N_b_max_r	deltaCAN_a_r	deltaCAN_b_r	PIL_a_max_nc	PIL_b_max_norm		
chr4:115568	chr4	1155680	1158740	974.423563	1609.28	1041.7182	1778.53	144.207885	254.298	222.203549	1148.17	247.886601	1019	135.668907	240.658	180.971773	912.126	228.513445	772.497	137.518057	236.749	YBR342CTO	6.75707549	7.22372566	1.63807843	1.82741319	1.31598553	1.66169774	6.32832346	6.99388119	4.77096128	4.2424245	3.85276203	3.26297804
chr2:282280	chr2	282280	283780	366.692132	571.034	374.159804	552.849	128.045444	206.069	148.61466	245.173	167.764667	309	122.059297	200.549	113.609614	197.045	152.212479	338.17	122.040503	189.627	YBR021WTO	2.86580805	2.9223715	1.21794464	1.37444528	0.93092013	1.24722921	2.77108153	1.68383439	1.22250921	1.54077058	1.0391189	1.78334309
chr12:25746	chr12	25746	258920	372.660264	578.277	358.850845	556.541	135.817906	241.145	136.038039	212.369	143.486986	226	135.041734	227.65	148.945858	242.598	150.848149	258.219	144.748192	214.91	YLR057WTO	2.74382277	2.64214679	1.00737776	1.06253809	1.02899979	1.04214185	2.39804682	2.30791018	0.93287503	0.99275203	1.12883533	1.20152157
chr4:115330	chr4	1153300	1154120	415.531304	737.635	436.733966	828.813	151.928412	238.222	178.467718	406.608	242.182927	565	128.446249	200.549	179.420126	380.317	179.955533	391.11	143.653634	237.895	YDR342CTO	2.73504671	2.87460363	1.38943503	1.88548072	1.24897728	1.25277397	3.09641847	3.47916229	2.02747458	2.8172666	1.59867589	1.64404464
chr6:82400	chr6	82400	84200	309.872603	503.427	291.067139	488.243	139.462148	239.683	287.077878	478.261	357.110556	589	128.272776	220.061	75.218879	134.541	80.0563661	143.695	120.069909	193.074	YFL026WTO	2.22191187	2.10140787	2.23802654	2.78399335	0.62645903	0.66674796	2.10038676	2.03703642	2.17331104	2.6765306	0.69883645	0.74424832
chr7:36720	chr7	36720	37620	613.038217	1230.2	621.038939	1213.68	188.764894	549.518	788.087837	2136.64	725.568889	1908	227.19062	478.064	109.785831	195.985	110.498848	183.671	138.387707	212.612	YGL246CTO	2.11226657	2.15278779	3.46962771	3.1943824	0.79312069	0.798473	2.2386918	2.20862647	4.46935975	3.99109743	0.92179651	0.8638788
chr2:381820	chr2	381820	383380	270.280586	538.438	294.806888	553.772	128.204003	252.837	95.2780839	185.607	87.0474359	177	117.12772	197.296	88.3569887	169.501	92.6324321	173.947	125.460649	202.268	YBR073WTO	2.10820707	2.29951399	0.81345461	0.7431839	0.70426058	0.73833854	2.12958546	2.19023323	0.94075399	0.89712919	0.83800206	0.8599828
chr2:84140	chr2	84140	86000	240.668435	344.069	264.62581	370.105	123.944833	214.838	94.8496882	148.485	97.2962366	165	123.991587	194.044	98.7016871	164.204	106.498718	191.233	124.88898	195.373	YBL076CTO	1.94173834	2.13502897	0.76496874	0.78470031	0.79031542	0.85274712	1.60152766	1.72271665	0.76521304	0.85032261	0.84046414	0.97880976
chr3:134820	chr3	134820	136900	235.715635	504.634	256.206717	541.774	122.397164	232.376	82.2365796	188.197	78.9682692	187	113.977807	197.296	98.318564	252.132	91.1543172	196.636	127.146291	202.268	YCR020C-ATI	1.92982595	1.09324063	0.74056594	0.70521672	0.77327727	0.71693034	1.17162702	1.33145419	0.95188348	0.94781845	1.24652441	0.97215575
chr9:32340	chr9	32340	323460	181.700088	257.146	170.945484	232.584	110.127953	182.686	132.233938	188.197	141.7875	205	120.518834	175.616	86.2967781	137.126	82.844225	130.73	129.499091	201.418	YML145WTO	1.64690879	1.55225273	1.09720558	1.17647587	0.66902574	0.63972824	1.40785846	1.37115533	1.07163926	1.16731961	0.62494961	0.64266682
chr14:35232	chr14	352320	352440	191.92405	324.753	186.344442	267.657	116.723808	165.148	180.096008	269.345	243.716667	350	126.056508	175.616	109.398575	175.857	103.584791	144.776	140.764075	191.925	YNL145WTO	1.644425795	1.59645615	1.42869266	1.93339217	0.77717681	0.73587519	1.96643617	1.62070991	1.53371561	1.99298469	0.9162798	0.75433633

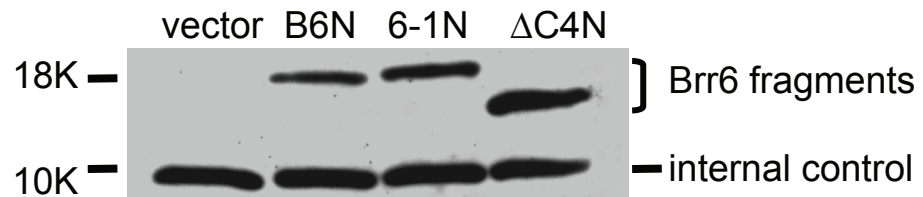
A



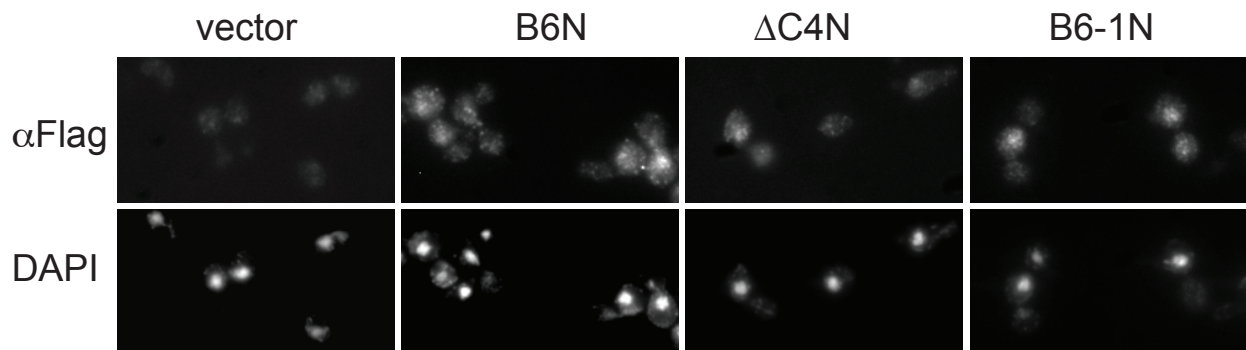
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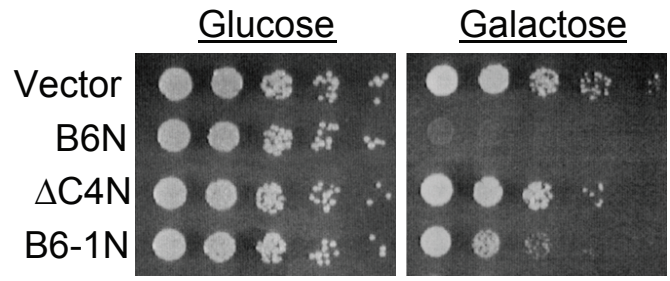
C



D



E



F

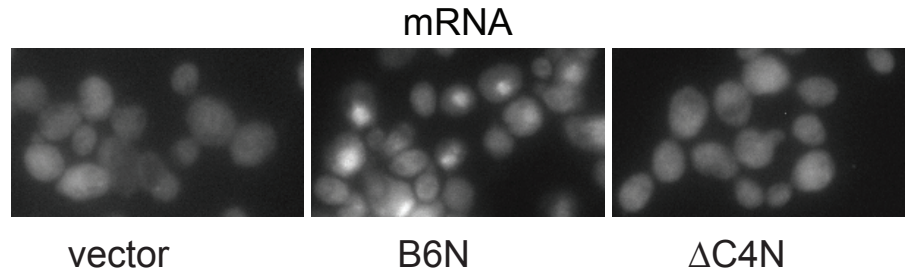


Figure S1. Effects of BRR6 shutoff and P_{GAL}-NLS-BRRN, *brr6-1N* and *brr6ΔC4N* fragment expression

Panel A: dT50 *in situ* hybridization of *BRR6* versus P_{GAL}-*BRR6* cells following a 6hr shift from galactose to glucose. Panel B: Diagram of Full length Brr6 and Brr6 fragments. Panel C: Western Blot detection of FLAG-tagged B6N (P_{GAL}-NLS-Brr6N-FLAG), B6-1N (P_{GAL}-NLS-Brr6-1N-FLAG) and ΔC4N (P_{GAL}-NLS-Brr6ΔC4N-FLAG) fragments in wild type cell extracts (W303) prepared following galactose induction. Panel D: Detection of fragments by immunofluorescence using anti-FLAG antibody. Panel E: Effect of fragments on growth on plates containing glucose or galactose. Panel F: dT50 *in situ* hybridization of cells expressing B6N and ΔC4N fragments.

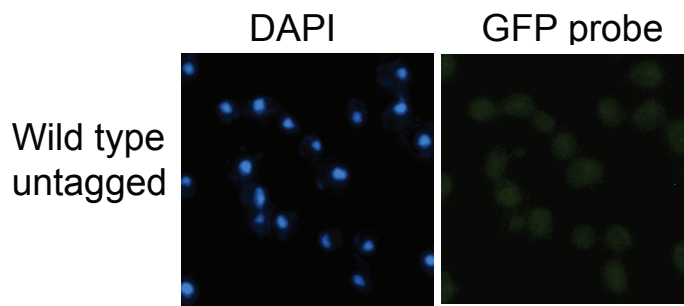


Figure S2. Untagged control for single molecule *in situ* hybridization

Single molecule FISH of fixed untagged wildtype cells using probe against *GFP* RNA sequence.

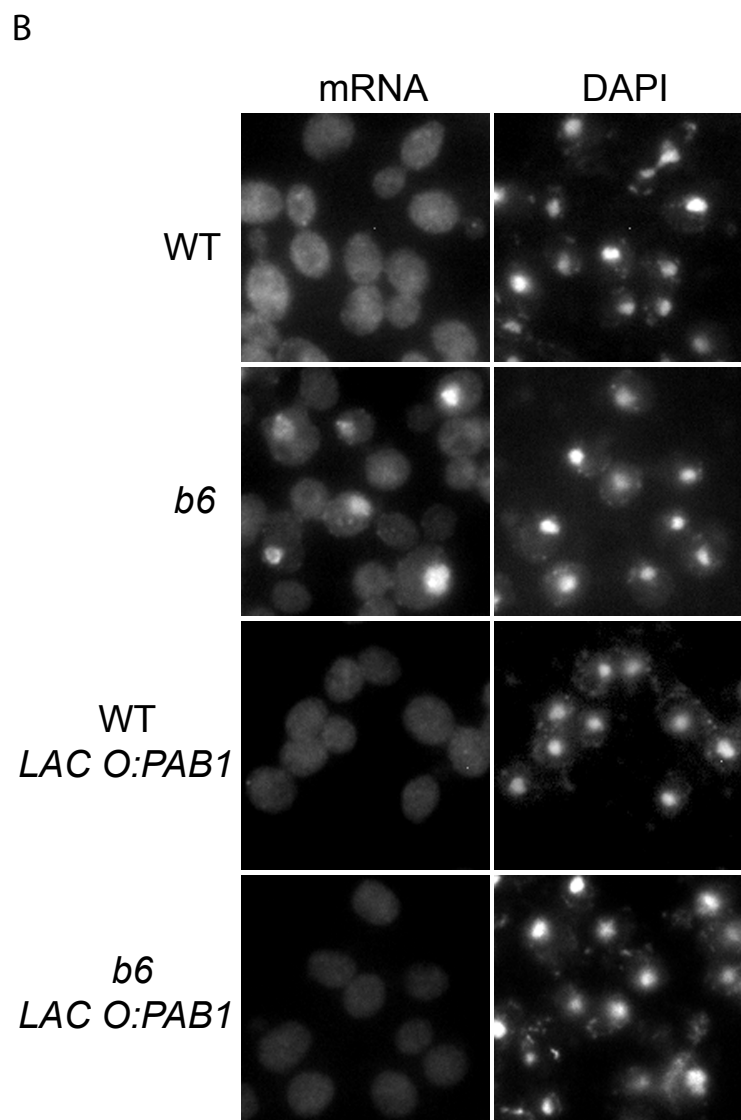
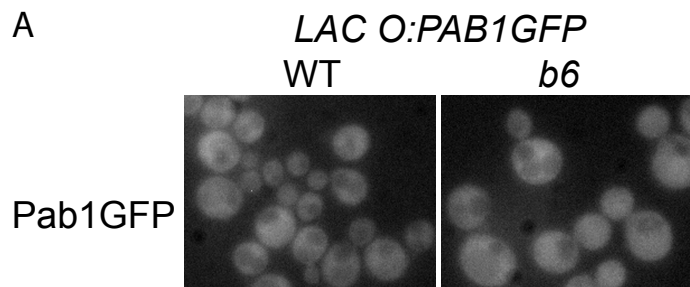


Figure S3. Pab1GFP signal and Bulk mRNA Export in *LAC O:PAB1* strains.

Panel A: Fluorescence microscopy localizing of GFP-tagged Pab1 in live *LAC O:PAB1GFP* WT (wild type, yDBK400) and *b6* (*brr6-1*, yDBK401) cells. Panel B: dT50 FISH detection of poly A mRNA in WT (wild type, yDBK165 and yDBK521) and *b6* (*brr6-1*, yDBK166 and yDBK522) cells +/- *LAC O:PAB1*. The nucleus is identified by DAPI staining.

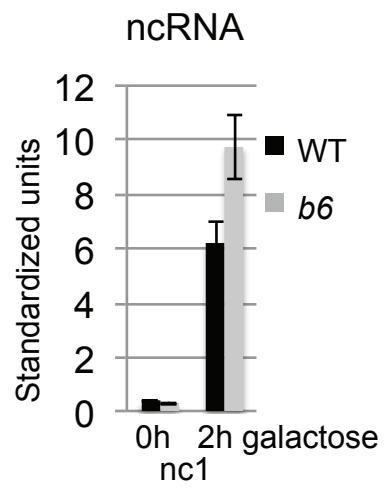


Figure S4. Detection of *GAL7* non-coding RNA (nc1).

DN9 primed RT QPCR of *GAL7* nc1 transcript before and after galactose induction in WT (wild type, yDBK165) and *b6* (*brr6-1*, yDBK166). QPCR data was normalized as in Figure 2 and expressed either as standardized units or relative to wild type. For comparison, the antisense RNA levels were approximately 0.05% of the *GAL7* 5' ORF transcript in RNA the same samples. Error bars (SEM) reflect ≥ 3 biological replicates.

A



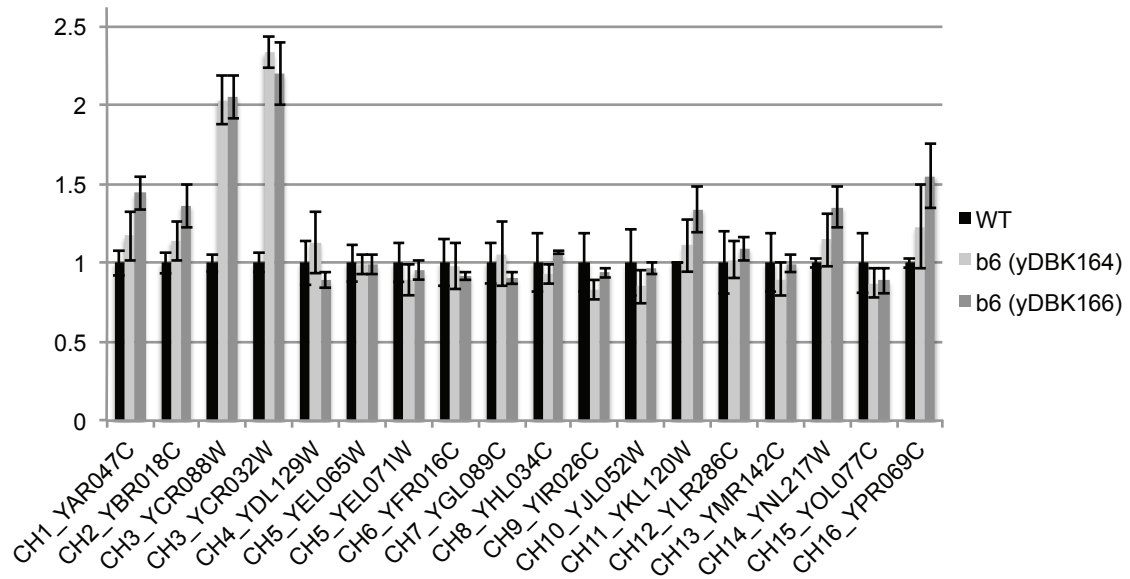
B



Figure S5. Mapping of sense transcripts affected in *brr6-1*.

Panels A and B: Mapping of positions of *brr6-1*-affected sense transcripts from RNAseq analysis on all chromosomes (A) following 2h galactose induction and (B) in glucose samples. Tick marks above chromosomes indicate positions of telomeres and centromeres.

A



B

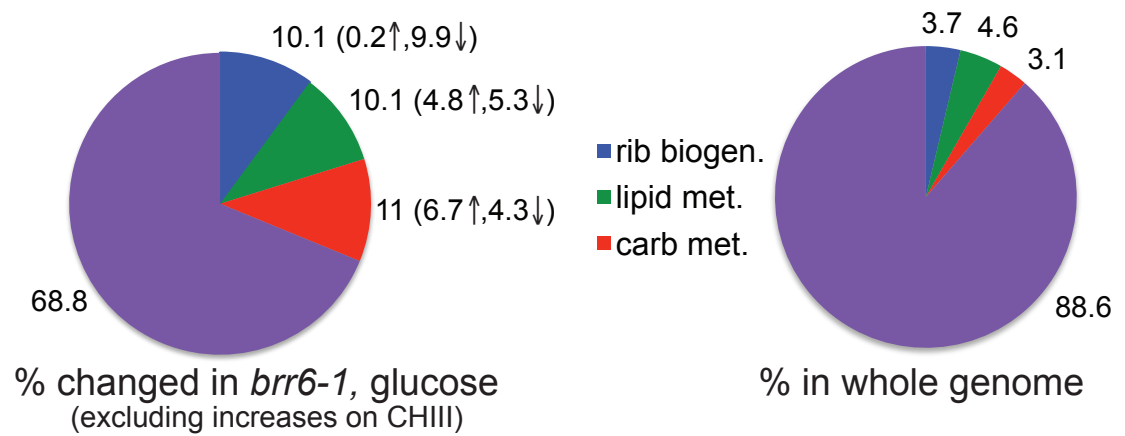


Figure S6: Detection of *brr6-1* CHIII Disomy and G0-term analysis.

Panel A: QPCR quantitation of genomic DNA from wild type (yPH399) and two independently generated *brr6-1* strains (yDBK164 and yDBK166) using 2 primer sets for CHIII and CHIV and single primer sets for other chromosomes. Panel B: G0 term analysis of RNAseq results (terms: ribosome biogenesis, carbohydrate metabolism and lipid metabolism) for gene expression changes in *brr6-1* versus whole genome representation. Direction of *brr6-1* changes indicated by arrows. Values obtained using Saccharomyces Cerevisiae Genome database SlimMapper tool.

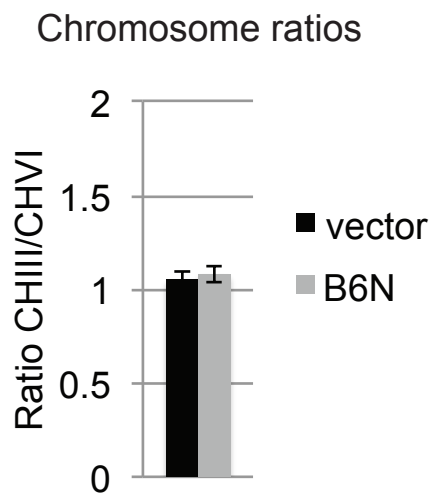


Figure S7. QPCR analysis of Chromosome III copy number in wild type cells expressing the NLS-Brr6N fragment.

CHIII/CHVI ratio obtained by QPCR of genomic DNA from W303 cells carrying vector (pJL602) or the B6N (pP_{GAL}-NLS-BRR6N_FLAG) fragment construct following induction in galactose O/N. CHVI disomy is lethal in *S. cerevisiae*; therefore CHVI QPCR values reflect a single chromosome.