Supplementary Online Material

SGA Analysis: Robotic Manipulation of Yeast Arrays

The robotic manipulation of deletion mutant array (DMA) and SGA screens were carried out as described **(S*1*)**. We conducted each SGA screen three times and scored the resultant double mutants for synthetic genetic interactions by both visual inspection and computer-based image analysis. The computer-based scoring generated an estimate of relative growth rates from the area of individual colonies, as measured from digital images of the growth plates. A comparison of a set of mutant measurements to wild-type control measurements enabled t-statistics and p-values to be calculated **(S*2*)**. For each screen, we generated both an unbiased set of putative interactions and a biased set of putative interactions. The unbiased set included double mutants that appeared to form a relatively small colony by the computer-based system, i.e. scored at a t-value of -7.0 or less, and those that were scored repeatedly by visual inspection. The biased set included double mutants that were either scored above a t-value of -7.0 or scored only once by visual inspection but were also related functionally to multiple genes within the unbiased set. To represent gene function, we assigned each gene a GO functional annotation from a defined subset (Table S8). The putative synthetic genetic interactions were confirmed by random spore and/or tetrad analysis. Sporulated cultures from SGA screens were stored at 4^{o}C for the confirmation. Tetrad dissections were carried out on synthetic dextrose (SD/MSG) complete medium. We dissected tetrads for interactions that appeared to be inconclusive in the random spore assay.

SGA Analysis: Media

The media used in the SGA analysis were described previously **(S*1*)**. Because ammonium sulfate impedes the function of G418 and clonNAT, synthetic medium containing these antibiotics was made with monosodium glutamic acid (MSG) as a nitrogen source; for selection of *MAT***a** meiotic progeny, the medium lacked histidine (selects for expression of *MFA1pr-HIS3*) and contained canavanine (selects for *can1Δ*) [20g/L agar, 20g/L glucose, 1.7g/L yeast nitrogen base w/o ammonium sulphate and amino acids (Difco), 1g/L monosodium glutamic acid, 2g/L amino acid drop-out lacking histidine and arginine]. Filtered-sterilized solutions of canavanine (50mg/l; Sigma), clonNAT (100mg/l; Werner Bioagents), and G418 (200mg/l; Invitrogen Life Technologies) were added to autoclaved medium as indicated. Solid medium contained 2% agar. (SD/MSG) – His/Arg + canavanine; (SD/MSG) – His/Arg + canavanine/clonNAT; (SD/MSG) – His/Arg + canavanine/G418; (SD/MSG) – His/Arg + canavanine/clonNAT/G418 were used for random spore analysis. Synthetic dextrose (SD/MSG) complete medium was used for tetrad analysis.

SGA Analysis: Starting Strains and Reporters

All strains are derivatives of BY4741 (*MAT***a** *ura3Δ0 leu2Δ0 his3Δ1 met15Δ0*) or BY4742 (*MATα ura3Δ0 leu2Δ0 his3Δ1 lys2Δ0*) **(S*3*)**. Four different starting strains were used in the SGA screens, Y2454 (*MATα mfa1Δ::MFA1pr-HIS3 can1Δ ura3Δ0 leu2Δ0 his3Δ1 lys2Δ0*), Y3068 (*MATα can1Δ::MFA1pr-HIS3 ura3Δ0 leu2Δ0 his3Δ1 lys2Δ0*), Y3084 (*MATα can1Δ::MFA1pr-HIS3 mfα1Δ::MFα1pr-LEU2 ura3Δ0 leu2Δ0 his3Δ1 lys2Δ0*), the construction of which was described previously **(S*1*)**, and Y3656 (*MATα*

can1Δ::MFA1pr-HIS3::MFα1pr-LEU2 ura3Δ0 leu2Δ0 his3Δ1 lys2Δ0). In Y2454, *HIS3* was integrated at the *MFA1* locus such that it is regulated by the *MFA1* promoter (pr), *mfa1Δ::MFA1pr-HIS3*. In Y3068, *MFA1pr-HIS3* was integrated at the *CAN1* locus, *can1Δ::MFA1pr-HIS3*. In Y3084, *MFA1pr-HIS3* was integrated at the *CAN1* locus, *can1Δ::MFA1pr-HIS3* and *MFα1pr-LEU2* was integrated at the *MFα1* locus. In Y3656, *MFA1pr-HIS3* was integrated 5' to *MFα1pr-LEU2* at the *CAN1* locus.

To create Y2823 (*MATα mfα1Δ::MFα1pr-LEU2 his3Δ1 leu2Δ0 ura3Δ0 lys2Δ0*) and Y3084, the *MFα1* open reading frame was replaced by the *LEU2* gene, via integration of a PCR product generated with primers (5'-CAAACAAGAAGATTACAAACTATCAATTTCATACACAATATAAACGATTAAAAGAATGTCTGCCCCTAAGAAGATCGC-3') and (5'-TACAGTGGGAACAAAGTCGACTTTGTTACATCTACACTGTTGTTATCAGTCGGGCTTAAGCAAGGATTTTCTTAACTTC- 3'), which anneal to *LEU2* and contained *MFα1* sequences (underlined), with pRS315 plasmid as the template **(S4)**, and transformed in BY4742 and Y3068 respectively.

The construction of Y3656 involved three steps. First, to create Y3598 (*MAT***a** *can1Δ::MFA1pr-HIS3::MFα1pr-LEU2 his3Δ1 leu2Δ0 ura3Δ0 met15Δ0*) which carries *can1Δ::MFA1pr-HIS3::MFα1pr-LEU2*, *MFA1pr-HIS3::MFα1pr-LEU2* was integrated at the *CAN1* locus. Second, Y3598 was crossed to BY4742 to create Y3611 (*MAT***a**/α *can1Δ::MFA1pr-HIS3::MFα1pr-LEU2/CAN1 his3Δ1/ his3Δ1 leu2Δ0/ leu2Δ0 ura3Δ0/ ura3Δ0 met15Δ0/MET15 lys2Δ0/LYS2*). Third, the resulting *MAT***a**/α diploids were sporulated and spore progeny with the appropriate markers were recovered.

The construction of Y3598 involved four steps. First, a 455-bp fragment containing the upstream sequence of *CAN1* was amplified from yeast genomic DNA with primers (5'-TAGGGCGAACTTGAAGAATAACC-3') and (5'-GCCACGTTGCACACTATCCTGTGCTATGCCTTTTTTTTTTTTTGTT-3'), which contained a 21-bp sequence (underlined) from the 5' end of *MFA1pr-HIS3*. Second, *MFA1pr-HIS3* was amplified from genomic DNA obtained from Y2420 (*MAT***a** *mfa1Δ::MFA1pr-HIS3 ura3Δ0 leu2Δ0 his3Δ1 met15Δ0*) with primers (5'-CAGGATAGTGTGCAACGTGGC-3') and (5'-CTCATTGAATCTTTGCATTCAGAGCGTCTACATAAGAACACCTTTGGTGG-3') which contained a 27-bp sequence (underlined) from the 5' end of the *MFα1pr-LEU2*. Third, *MFα1pr-LEU2* was amplified from genomic DNA obtained from Y2823 with primers (5'-ACGCTCTGAATGCAAAGATTCAATGAG-3') and (5'-ATCAAAGGTAATAAAACGTCATATTTAAGCAAGGATTTTCTTAACTTC-3') which contained a 24-bp sequence (underlined) from the 5' end of the *CAN1* downstream sequence. Fourth, a 300-bp fragment containing the *CAN1* downstream sequence was amplified from yeast genomic DNA with primers (5'-ATATGACGTTTTATTACCTTTGAT-3') and (5'-ACGAAAAATGAGTAAAAATTATCTT-3'). Finally, the set of PCR products above was used as a template to generate a fused product with primers (5'-TAGGGCGAACTTGAAGAATAACC-3') and (5'-ACGAAAAATGAGTAAAAATTATCTT-3'). BY4741 transformants carrying *can1Δ::MFA1pr-HIS3::MFα1pr-LEU2* were selected on synthetic medium lacking histidine.

SGA Analysis: Yeast Strains

The construction of query strains Y2613 (*bni1Δ::URA3*), Y2927 (*bni1Δ::natR*), Y3029 (*arc40-40::URA3*), Y3121 (*nbp2Δ::natR*), Y3122 (*bbc1Δ::natR*), Y3181 (*arp2-33::URA3*), Y3304 (*bim1Δ::natR*), Y3310 (*sgs1Δ::natR*), Y3334 (*rad27Δ::natR*) was described previously **(S*1*)**. Construction of the following query strains was described previously: Y2928 (*cla4Δ::natR*) **(S*5*)**, Y4121 (*cdc42-118::natR*) **(S*6*)**, Y4490 (*set2Δ::natR*) **(S*7*)**, Y4521 (*elg1Δ::natR*) **(S*8*)**, and *pho85Δ::natR* **(S*9*)**.

The temperature-sensitive (t.s.) query strains carrying *cdc7-1::URA3, cdc8-2::URA3, dbf4::URA3, cdc45-1::natR, cdc2-1::natR,* and *scc1-73::URA3* were constructed by PCR-based integration of the t.s. alleles into Y2454 as described previously **(S*1*)**. The t.s. query strain carrying *myo2-14::LEU2* was constructed by PCR-based integration in Y3068. PCR-based deletion was used to create the following strains in starting strain Y2454: *rvs161Δ::natR, rvs167Δ::natR, slt2Δ::natR, ycr030cΔ::natR, ygr221cΔ::natR, yhr149cΔ::natR,* and *gyp1Δ::natR*. PCR-based deletion was used to create the following strains in starting strain Y3656: *dep1Δ::natR, cti6Δ::natR,* and *om45Δ::natR*.

We used a switcher/replica-plating method **(S*1*)** to create the following query strains with the SGA starting strain Y3084: *rad9Δ::natR, ydr063wΔ::natR, gim3Δ::natR, elp2Δ::natR, pac10Δ::natR, rad24Δ::natR, yke2Δ::natR, rad52Δ::natR, yor271cΔ::natR, ddc1Δ::natR, pol32Δ::natR, mms4Δ::natR, ybr094wΔ::natR, mus81Δ::natR, cdc73Δ::natR, bni4Δ::natR, num1Δ::natR, ypt6Δ::natR, nip100Δ::natR, bik1Δ::natR, arp6Δ::natR, kar3Δ::natR, kar9Δ::natR, gim4Δ::natR, ric1Δ::natR, ase1Δ::natR, elp4Δ::natR, alg6Δ::natR, alg8Δ::natR, chs1Δ::natR, chs5Δ::natR, chs7Δ::natR, cne1Δ::natR, cts1Δ::natR, cwh41Δ::natR, die2Δ::natR, fks1Δ::natR, fks3Δ::natR, gas1Δ::natR, gsc2Δ::natR, hkr1Δ::natR, hoc1Δ::natR, hog1Δ::natR, knh1Δ::natR, kre1Δ::natR, kre11Δ::natR, kre6Δ::natR, ktr2Δ::natR, ktr3Δ::natR, lag2Δ::natR, mid2Δ::natR, mnl1Δ::natR, mns1Δ::natR, rot2Δ::natR, skn1Δ::natR, skt5Δ::natR, smi1Δ::natR, yur1Δ::natR*.

We used the switcher/replica-plating method **(S*1*)** to create the following strains with the SGA starting strain Y3656: *jnm1Δ::natR, arp1Δ::natR, shs1Δ::natR, smy1Δ::natR, cin8Δ::natR, bfa1Δ::natR, ctf8Δ::natR, cin2Δ::natR, yor022cΔ::natR, ycl039wΔ::natR, ydr128wΔ::natR, tub3Δ::natR, dyn2Δ::natR, dyn1Δ::natR, mrc1Δ::natR, pac1Δ::natR, dcc1Δ::natR, hst1Δ::natR, esc2Δ::natR, hst3Δ::natR, rad50Δ::natR, rad61Δ::natR, rtt107Δ::natR, mlc2Δ::natR, clb4Δ::natR, ras2Δ::natR, gim5Δ::natR, pxl1Δ::natR, mad2Δ::natR, ctf4Δ::natR, tof1Δ::natR, ydr332wΔ::natR, lia1Δ::natR, kip3Δ::natR, csm3Δ::natR, elg1Δ::natR, cin4Δ::natR, top1Δ::natR, cin1Δ::natR, pac2Δ::natR, rrm3Δ::natR, rbl2Δ::natR, pac11Δ::natR, kip2Δ::natR, ypl225wΔ::natR, ctf18Δ::natR, chl1Δ::natR, arl3Δ::natR, hpr5Δ::natR, elp1Δ::natR, arl1Δ::natR, ymr299cΔ::natR, sap30Δ::natR, swf1Δ::natR, ykl151cΔ::natR, yil103wΔ::natR, yer156cΔ::natR, ydl038cΔ::natR, ynl087wΔ::natR, bph1Δ::natR, chs3Δ::natR, chs6Δ::natR, ecm15Δ::natR, erv29Δ::natR, hlr1Δ::natR, kre2Δ::natR, kre9Δ::natR, las21Δ::natR, lre1Δ::natR, svp26Δ::natR, ykl037wΔ::natR, ylr057wΔ::natR*.

The double-mutant query strain *bni1Δ::URA3 bim1Δ::natR* was constructed in two steps. First, Y2613 (*MATα bni1Δ::URA3*) was crossed to a *MAT***a** *bim1Δ::natR* strain. Second, the resulting *MAT***a***/α* diploids were sporulated, and spore progeny with the appropriate markers were recovered. The double-mutant query strain *bni1Δ::URA3 kre1Δ::natR* was constructed using the switcher/replica-plating method **(S*1*)**.

SGA Analysis: Random Spore Analysis

Spores were inoculated in 3ml of liquid haploid selection medium [synthetic dextrose (SD) medium lacking histidine and arginine but containing canavanine :SD - His/Arg + canavanine] and incubated at 30^{o}C for 2 days. The germinated *MAT***a** spore progeny were diluted in sterile ddH_2O and plated out on medium which selects for the query-gene mutation [(SD/MSG) – His/Arg + canavanine/clonNAT], the DMA mutation [(SD/MSG) – His/Arg + canavanine/G418], or both the query-gene and DMA mutations [(SD/MSG) – His/Arg + canavanine/clonNAT/G418], then incubated at 30^{o}C for ~2 days. Colony growth under the three conditions was compared and the double mutants were scored as synthetic sick (SS), synthetic lethal (SL) or no interaction (No).

Alternatively, spores were resuspended in sterile ddH_2O and plated out on the haploid selection medium [SD-His/Arg + canavanine] and medium selecting for the query-gene mutation, the DMA mutation, and both the query-gene and DMA mutations, then incubated at 30^{o}C for ~2 days. Colony growth under the four conditions was compared and double mutants were scored as synthetic sick (SS), synthetic lethal (SL) or no interaction (No).

SGA Analysis: Spot Assay Version of Random Spore Analysis

We applied a spot assay version of the random spore analysis procedure when examining neighborhood topology of *SGS1*, *RAD27* and *BIM1*. First, spores were inoculated into liquid haploid selection medium [SD-His/Arg + canavanine] and incubated at 30^{o}C for ~2 days in a 96-well format. Second, the germinated *MAT***a** spore progeny were diluted to 10^{-2}, 10^{-4}, and 10^{-6} in sterile ddH_2O and 2μl for each dilution was spotted onto medium selecting for the query-gene mutation, the DMA mutation, and both the query-gene and DMA mutations, as described above, then incubated at 30^{o}C for ~2 days. Cell growth under the three conditions was compared; double mutants were scored "Yes" for those that exhibited a synthetic genetic interaction or "No" for those that did not show an enhanced growth defect over the single mutants (Fig. S7).

Network Visualization Programs

Network figures were created with either the Cytoscape network layout program **(S*10*)** using manual alterations to remove node overlap and to cluster the nodes by cellular role, or the Osprey program (version 0.9.10) using a spokes layout. We colored the nodes according to our set of defined GO annotations (Table S8).

Two-dimensional Hierarchical Agglomerative Clustering

The Hierarchical Agglomerative clustering method was performed on the data. To determine the distance between nodes (i.e. clusters, sub-clusters, and individual interactions) we used Average Linkage, wherein the distance between the averages of the

points in each node was the distance between two nodes. The distance metric is called the Binary metric and is defined as below.

The Binary Metric:
NOTE: in the Binary metric, two items are considered to match if both are either zero or non-zero. This metric ignores magnitude, thus the name "Binary".
Let X and Y be two distinct queries, and let Xi and Yi be individual experiment results for X and Y respectively.
Let A be the set of all experiments in which Xi and Yi do not match and Yi is non-zero.
Let B be the set of all experiments in which Xi and Yi do not match and Xi is non-zero.
Let C be the set of all experiments in which Xi and Yi do match and are non-zero.
Let D be the set of all experiments in which Xi and Yi do match and zero.

Thus, Ai, Bi, Ci and Di are as follows:

	Ai	Bi	Ci	Di
Xi	0	1	1	0
Yi	1	0	1	0

The distance between the result vectors for X and Y is:
$(|A| + |B|) / (|A| + |B| + |C|)$

Analysis of the Potential for False Negative Interactions
Because of the huge number of interactions involved, it is not feasible to confirm all putative interactions by tetrad or random spore analysis; therefore, the true number of false negative interactions is not known. In an effort to better understand the statistical properties of the raw SGA results, we developed a computer-based quantitative system to describe the growth rate of all colonies from measurements of colony area from digital images of growth plates. Synthetic lethal or sick interactions were scored based on calibration variables such as the growth of colonies and the values of t-statistics and p-values, which were calculated by comparison to a set of wild-type control measurements. The number of false negative interactions can be estimated as a function of the calibration variable (Fig. S1 and S2).

Complete SGA screens include the genes in both bait and prey lists, thus should provide a symmetric matrix of data. The following table shows the possible cases of reciprocal crosses between baits and preys.

	A	B	C
A		+	+
B	+		-
C		-	

A true positive exists when both hits (A,B) and (B,A) are confirmed positive and a false negative exists when (A,C) is confirmed positive but (C,A) is not (or the reverse case). In the SGA experiment, 104 screens are present where the bait gene was found as a hit in any other screen. In an effort to examine the false negative rate of this large subset of the SGA data set, we counted the number of false negative cases and compared that to the total. There are 990 interactions found in both directions, which include both cases of (bait, prey) and (prey, bait) and 266 without reciprocal interactions. This means another 266 hits were missed as false negatives, assuming that all these hits are true positives. In other terms, 990+266=1256

interactions were seen out of an expected number of 990+266+266=1522 true positives, suggesting a false negative rate of about 17%.

Network Density

We compared the network density (ratio of number of interactions to number of nodes) of the SGA network and the protein interaction network. The SGA technique has an average of 34.4 interactions per screen. There is a maximum of 146 interactions and a minimum of 1 interaction per SGA screen. After examining various protein interaction datasets (see Table S2), we decided to use the TAP and HMS-PCI datasets as a comparison because they are the most recent published large-scale interaction mapping experiments for yeast. We determined that the density of the SGA network is ~4 times more than the protein interaction network (34.4/8=~4). This is likely to be a low estimate, since the SGA screens are expected to have a certain false negative rate and the protein interactions screens are known to have a large false-positive rate.

Abandoned Screens

Approximately 20% of the screens we attempted did not appear to yield any interactions and were aborted after the first SGA screen. The criteria we used for determining if a SGA screen is worth pursuing included the number of putative interactions scored (>50 interactions) and common functionality among the putative interactions identified. The screens aborted after the first SGA screen involved query mutations in *BPH1*, *ELP1*, *ELP2*, *ELP4*, *FKS3*, *HLR1*, *KRE2*, *KTR2*, *LAG2*, *MLC2*, *OM45*, *PXL1*, *RAD61*, *YCL039w*, *YCR030c*, *YDL038c*, *YDR063w*, *YDR128w*, *YER156c*, *YGR221c*, *YHR149c*, *YIL103w*, *YKL151c*, *YNL087w*, *YOR022c*, *YOR271c*, *YPL225w*.

Pre-processing the Genetic Interactions Network for Computational Analysis

The analysis shown in Table S3, analysis of "genetically connected" GO attributes, and the analysis of degree distribution and characteristic path length, used the following protocol for pre-processing the genetic network: 1) ORFs corresponding to the same SGDID were merged, with an interaction to one or both of the merged gene objects treated subsequently as an interaction with the merged gene; 2) ORFs that were listed as "deleted" in SGD were removed from the genetic interaction network, which did not require removal of any genetic interactions but did affect which pairs were considered SGA-tested; 3) all gene pairs containing query genes that were tested by a single SGA screen but subsequently abandoned for lack of hits were considered tested and non-interacting.

For the analysis shown in Table S3 and the search for "genetically connected" GO functional attributes, each of which might be affected by an increased sensitivity of SGA to detect functionally-related genes, we applied two additional pre-processing steps: 1) a gene pair was considered non-interacting if confirmation of the interaction was attempted on the basis of gene function and if this gene pair would otherwise have been deemed non-interacting; and 2) any SGA gene not tested against all query genes was removed from the network, along with any interactions connected to that SGA gene.

Gene-Pair Characteristics and Their Data Sources

Common Regulator
Pairs of genes whose upstream regions bind a common transcription factor were collected from a high-throughput data set in which DNA bound by a query transcription factor was hybridized to an array of upstream sequences **(S*11*)**. Genes whose upstream regions yielded p-values < 0.001 were considered bound by the associated transcription factor.

Conserved Gene Neighborhood
Pairs of genes that are next to each other in at least 2 of 42 genomes were collected from von Mering *et al.* **(S*12*)**.

Co-occurrence of Genes
Pairs of genes whose orthologs have correlated appearance across 42 sequenced genomes were collected from von Mering *et al.* **(S*12*)**.

Gene Fusion
Gene pairs each contained genes that were orthologous to separate domains of a common gene in another species. Gene fusions were detected by the presence of a gene in more than one Cluster of Orthologous Genes (COG) and were collected **(S*13*)**.

mRNA Co-expression
Pairs of genes with correlated mRNA expression were collected from two data sets, 1) mRNA expression in the yeast mitotic cell cycle measured at 17 time-points in synchronized yeast cultures **(S*14*)** and 2) the Rosetta compendium of mRNA expression profiles drawn from a variety of growth conditions and strain backgrounds **(S*15*)**. For each gene, all mRNA levels were converted to log-ratios and standardized to a common mean and variance. We computed the Pearson correlation coefficient between all gene pairs to measure the similarity in expression profiles. We considered gene pairs with positive (>0.7) and negative correlations (<0.7) in their mRNA expression profiles.

Mutual Clustering Coefficient
Pairs of genes with a high mutual clustering coefficient (MCC), a measure of neighborhood cohesiveness around an edge (or pair of vertices) in a graph of physical protein interactions, were collected. The MCC is the negative log of the probability (p-value) of obtaining a number of common neighbors between two vertices greater than or equal to the observed number by chance, under the null hypothesis that the neighborhoods are independent and given the neighborhood sizes of the two vertices and the total number of proteins in the organism **(S*16*)**. We computed MCC for a network including yeast-two-hybrid (Y2H) interactions reported by Uetz *et al.* **(S*17*)** and the high-confidence Y2H interactions reported by Ito *et al.* **(S*18*)**. MCC thresholds of >0 and $\geq$3 were used to create to categories of gene pairs with high MCC.

Physical Interaction: APMS
Pairs of proteins detected to interact by tandem affinity purification (TAP) **(S*19*),** by high-throughput mass spectrometric protein complex identification (HMS-PCI) **(S*20*)**, or by both methods. These methods were based on affinity purification followed by mass spectroscopy (APMS).

Physical Interaction: HMS-PCI
Pairs of proteins were detected to physically interact by high-throughput mass spectrometric protein complex identification (HMS-PCI) **(S*20*)**. Two data sets were constructed based on the filtered data obtained from http://www.mdsp.com/yeast/. The "spoke" **(S*21*)** interactions included interactions between a query protein, or bait, and proteins that complexed with it. The "matrix" **(S*21*)** interactions included all pairwise interactions represented in a purified complex obtained when using a single bait.

Physical Interaction: Same MIPS Complex (annotated in the literature)
Gene pairs were generated from complexes reported in the MIPS catalog of complexes **(S*12*)**.

Physical Interaction: TAP
Protein pairs were detected to physically interact by the tandem affinity purification (TAP) and mass spectrometry experiments of Gavin *et al.* **(S*19*)**. We collected two datasets based upon all purifications, excluding proteins that appeared in more than 3.5% of the purifications. The "spoke" **(S*21*)** interactions included interactions between a query protein, or bait, and all proteins that complexed with it. The "matrix" **(S*21*)** interactions included all pairwise interactions represented in a purified complex obtained when using a single bait.

Physical Interaction: Yeast-Two-Hybrid (YTH)
Interacting gene pairs were assembled from previous high-throughput yeast-two-hybrid results. These consisted of two independent yeast-two-hybrid data sets, described by Ito **(S*18*)** and Uetz **(S*17*)**, respectively. The Ito and Uetz data sets were obtained from http://genome.c.kanazawa-u.ac.jp/Y2H/ and http://depts.washington.edu/sfields/yplm/data/index.html, respectively.

Protein Sequence Homology
Yeast mRNAs were collected (July 2002) from RefSeq **(S*22*)** translated, and BLASTed **(S*23*)** against each other. Pairs with E-values below 10^{-3} were considered homologous.

Same GO Annotation
Pairs in which both genes are annotated with identical specific Gene Ontology (GO) terms were collected from the Gene Ontology **(S*24*)**. A GO term was considered specific if $\leq$200 genes were annotated with it.

Same GO Annotation (filtered)
"Same GO annotation" analysis was repeated, restricting analysis to gene pairs that could have had this characteristic *a priori* (i.e. eliminating pairs in which one or both genes lack an annotation for any specific GO term).

Similar GO Annotation
Pairs in which both genes are annotated with a pair of specific "similar GO" terms were collected from the Gene Ontology **(S*24*)**. Similarity between two GO terms was

objectively defined by the overlap in annotated genes, described below for the map between GO terms.

Similar GO Annotation (filtered)
"Similar GO annotation" analysis was repeated, restricting analysis to gene pairs that could have had this characteristic *a priori* (i.e. eliminating pairs in which one or both genes lacks an annotation for any specific similar GO terms).

Same MIPS Protein Class
Pairs of genes belonging to the same protein class (typically describing biochemical activity or structural role) were collected from the MIPS database **(S*13*)** in January 2003, excluding non-specific categories (i.e., those with names including the word "other" and those that contained more than 200 genes).

Same Mutant Phenotype
Pairs of genes annotated with the same mutant phenotype were collected from the MIPS database in January 2003, excluding non-specific phenotype categories, (e.g. categories with names including the word "other" and categories with more than 200 genes, or those at the least specific level of the hierarchy).

Same Predicted Protein Complex
Pairs were comprised of genes whose protein products were predicted to be in the same complex by a program called MCODE **(S*25*)**.

Finding Specific GO Attributes Frequently Connected by Genetic Interaction
We considered 756 Gene Ontology (GO) **(S*26*)** attributes for which there are at least 10 and at most 80 annotated genes according to GO annotation by the Saccharomyces Genome Database (SGD), We used GO attribute association files as of Feb 19, 2003. Counts of annotated genes include upward-propagated associations. In other words, if a gene is associated with an attribute by SGD, then we propagate this association to all of the attribute's ancestors in the GO directed acyclic graph (DAG). A gene pair was said to be GO attribute-connected if both genes have the attribute, and genetically connected if a genetic interaction has been detected by SGA analysis. For each GO attribute examined, we tested the significance of association between genetic connection and GO attribute connection among the set of gene pairs that have been tested by SGA analysis (subject to the pre-processing steps above). Significance of the overlap between GO attribute-connected and genetically connected gene pairs was assessed by first calculating a P-value by a one-tailed Fisher's Exact Test (which uses a cumulative hypergeometric distribution). We accounted for multiple hypothesis testing using a resampling approach. Specifically, we treated the Fisher's Exact Test P-value as a test statistic and obtained the empirical distribution of this test statistic from randomly permuted assignment of genetic interaction to gene pairs. The reported P-value is calculated from this empirical distribution. More details on this approach have been described elsewhere **(S*27*)**.

Finding Pairs of GO Attributes that are Significantly Connected by Genetic Interaction

We considered all 285,390 Gene Ontology (GO) **(S*26*)** pairs of the 756 GO attributes selected above. Here, a gene pair was said to connect a GO attribute pair (A, B) if one gene is annotated with attribute A, the other gene is annotated with attribute B, and if neither attribute A nor B are annotated to both genes. For each GO attribute pair, significance of association between genetic connection and GO attribute connection was assessed among SGA-tested gene pairs and corrected for multiple hypothesis testing as described above.

Network View of Genetically Connected Functions

Figure 1 of the manuscript was created using the Cytoscape network layout program **(S*10*)**. For ease of visualization, the significance threshold of linked GO attributes was chosen to be ($P < 0.002$) as this created a manageable number of nodes and edges in the network. The layout was hand edited slightly to make the clusters more aesthetically pleasing (rounder), but the clustering was not affected. This was tested by determining the average path length from all the GO terms in one clustered group of functional categories to any GO term in another clustered group of functional categories. The average path lengths between combinations of the four clusters depicted in Figure 1 matched the network layout and were Green to red: 1.6; Blue to green: 2.2; Cyan to green: 2.5; Cyan to blue: 1.6; Cyan to red: 1.9; Blue to red: 1.4 where Green is DNA Synthesis, Recombination, Meiosis, DNA Repair; Red is Mitosis, Chromosome or Chromatin Structure; Cyan is Vesicular Transport and Blue is Cell Polarity, Cell Wall Maintenance, Cytokinesis. The categories of Transcription, Signaling and Other were ignored for this path length calculation because they were deemed unrelated to the main categories of interest above.

Clustering GO Attributes for Display in a Matrix of Connected Functions

We developed a simplified representation of the matrix of functions that are connected by genetic interaction (Fig. S9 and S10). In this matrix, we only considered the subset of GO attributes for which significant genetic interaction enrichment was determined above. For ease of visualization, we clustered GO attributes using the Fisher's Exact test P-value measuring the significance of overlap between the "function neighborhoods" as a proximity measure. Here, two GO attributes were defined as neighbors if gene pairs connecting these GO attributes interact genetically, significantly more often than by chance (see above). Clustering was accomplished by agglomerative hierarchical clustering with complete linkage. Clusters were not joined if the complete linkage proximity measure was above a threshold P-value corresponding to the case in which two GO attributes have exactly one GO attribute neighbor each, and this neighbor is the same for both nodes. Clusters and their component attributes are listed in Table S7. The matrix of connected functions and expanded views were produced using Mathematica (Wolfram Research).

Defining Similar Pairs of GO Terms by Overlap in Assigned Gene Sets

We defined whether two GO attributes, A and B, were similar in the sense of being assigned to overlapping sets of genes. This is equivalent to a test of association between

two binary variables "Gene is annotated with GO attribute A?" and "Gene is annotated with GO attribute B?". We used a Log Odds Ratio (LOD score (defined in **(S*27*)**) as a measure of the strength of association between these two variables, and Fisher's Exact Test P-value as a measure of significance of association. We defined as similar any pair of GO attributes for which P<1.75E-7 (equivalent to an experiment-wise error rate of P<0.05 according to a conservative Bonferroni correction) and LOD>3.

YMR299c: Construction of *GFP-TUB1* Strains
GFP-TUB1 was integrated in deletion mutants *dyn1Δ::kanR, arp1Δ::kanR, ymr299cΔ::kanR* and BY4741 yeast strains individually by transforming the *XbaI* digested pAFS125 plasmid **(S*28*)**. Ura+ transformants were selected and confirmed by fluorescence microscopy and PCR.

YMR299c: Construction of *YMR299c-3GFP* Strain
We constructed the*YMR299c-3xGFP* integration vector to integrate three tandem copies of GFP at the 3' end of YMR299c locus as described in **(S*29*)**. The final plasmid which contained a fragment of YMR299c fused with a triple GlyAla linker, triple GFP, and a nourseothricin resistant marker **(S*30*)** was linearize by *AccI* in the middle of the YMR299c fragment and transformed to BY4741. Transformants were grown on YPD plates containing nourseothricin (clonNAT) (100 ug/ml) and nourseothricin resistant strains were selected and confirmed for proper targeting by PCR.

YMR299c: **Fluorescence Microscopy**

For nuclear migration analysis, cells were fixed with methanol/acetic acid (3:1) at room temperature for 30min, washed twice in PBS and then stained with DAPI (1ug/ml) for 30min, then further washed with PBS three times before mounting.

For analysis of microtubule phenotypes, cells expressing GFP-TUB1 were observed under a confocal fluorescence microscope with a 100x objective and using a live cell imaging system (UltraVIEW™; PerkinElmer).
Immunofluorescence of microtubules was performed as described **(S*31*)**. Microtubules were stained with anti-α tubulin YOL1/34 at 1:100 dilution and goat anti-rat conjugated with rhodamine at a dilution of 1:200. Double-label immunofluorescence was carried out with rabbit anti-GFP at 1:100 dilution and goat anti-rabbit conjugated with fluorescein at a dilution of 1:100. Single images were collected under a conventional fluorescence microscope with a 100x objective and a CCD detector using Openlab (Improvision), and then processed using the Metamorph Imaging System (Universal Imaging Corp., West Chester, PA).

The number of common neighbors between two genes in the SGA network correlates with a known protein-protein interaction between the protein products of those genes. While the predictive performance of this measure could be much improved (Fig. S5), the accuracy of the method was high when considering gene pairs with 50 common neighbors or more (Fig. S6). Given that very few gene pairs reached this threshold, we expect that the prediction performance will improve as the data set grows.

Degree Distribution Analysis

Since the synthetic genetic network examined here was derived from relatively few query genes tested against many array genes, the largest observable degree for array-only genes (genes in the array not also used as query genes) is much lower than that of query genes. Therefore, pooling the observed degrees of all genes would not be appropriate, and we chose to examine the degree distributions of array-only and query genes separately. The degree distribution of array-only genes fits a power-law distribution quite well, as shown in Fig. 4A in the manuscript. The degree distribution of query genes (Fig. S11) does not approximate a power-law distribution, nor does it approximate the expected degree distribution of any common network topology. Although there is little bias in the query degree distribution due to restricted observation (most potential partners of query genes were tested), this is a much smaller set than the array-only genes and furthermore was selected non-randomly so that its degree distribution may not be representative. A bias towards high-degree query genes might explain the much smaller fraction of nodes with low degree than expected in a scale-free graph. We should caution that the observed array gene distribution is also not free from bias. For instance, if an array gene interacts with at least one of the query genes, it is more likely to have a similar function and is therefore more likely to connect with other functionally-related query genes. Despite these caveats, our analysis provides support for a power-law distribution in synthetic genetic networks.

Characteristic Path Length Analysis

The characteristic path length of the SGA network is the average distance between two nodes (number of edges in the shortest path between the two nodes). We computed the characteristic path length of a random graph for two types of random graph: graphs with the same degree distribution, and Erdös-Rényi random graphs with the same degree distribution were constructed as previously described **(S*32*)**. We generated 1000 instances of each type. Random graphs with the same degree distribution as the SGA network had characteristic path length 3.2 +/- 0.01. Erdös-Rényi random graphs SGA network had characteristic path length 3.6 +/- 0.01. From this we conclude that the characteristic path length of the SGA network is not significantly different than for a random graph, one of the two properties of a small-world network.

Population Biology of Synthetic Genetic Interactions

The frequency of a carrier with a mutant in a given query gene and mutant in a second locus giving a synthetic combination in gamete 1 = 10^{-3}. The frequency of a carrier with a mutant in the same query gene and second locus giving a synthetic combination in gamete 2 = 10^{-3}. Thus the probability of this synthetic combination in a diploid zygote formed from gametes in such a population is 10^{-3} X 10^{-3} = 10^{-6}. We have taken the number of genes that, when mutant, give a synthetic combination with a given query gene to be 30. Thus, the probability of a synthetic combination with a given query gene is 10^{-6} x 30 = 3 x 10^{-5}. The probability of no synthetic combination at this query locus = 1 - (3 x 10^{-5}). The probability of no synthetic combination at any query locus = [1 - (3 x 10^{-5})]^L, where L is number of loci viable when null. For example, if L = 2500, then the probability of no synthetic combination at any query locus is exp (-(3 x 10^{-5})L) = 0.93. Thus, the probability of at least one synthetic combination = 0.07. For the cases in the paper where we take 10% and 50 % of L as the number of viable nulls that can

participate in synthetic interactions, these number come to 0.75% and 3.7 % respectively, which have been rounded up to 0.8% and 4.0% in the text.

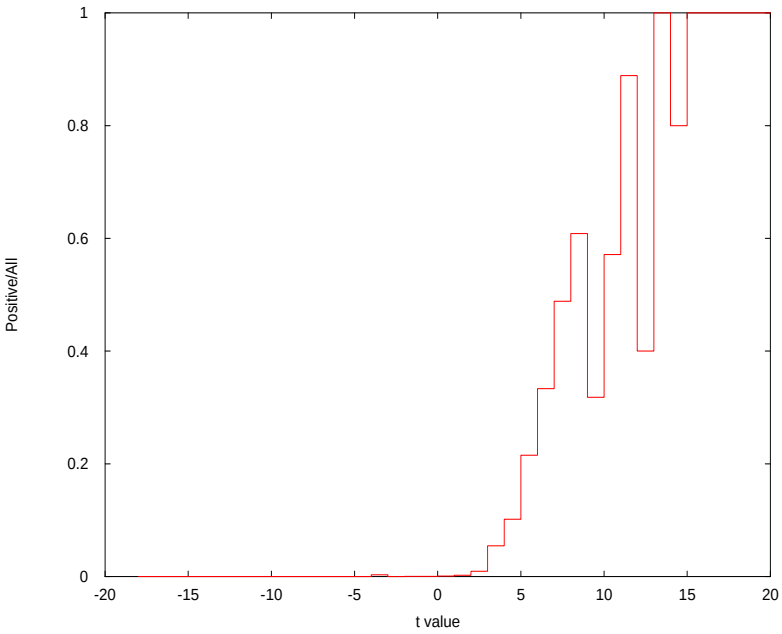


Figure S1

The ratio of confirmed positives to all hits within the interval of the value of t-statistics for 10 screens, including *BNI4*, *KRE1*, *APP1*, *CLB4*, *ARP1*, *JNM1*, *DYN1*, *CSM3*, *CTF18* and *CHL1*. Similar distributions can be obtained with regard to other calibration variables. Based on the knowledge of the confirmed positive rate, the possible number of false negative interactions can be estimated conservatively for hits that were not examined by the confirmation procedure. For example, among all 130 putative interactions within the interval 5~6 of the t-value, 28 positives and 30 negatives are scored. Of the other 72 putative interactions not examined, the chance for a positive score is estimated conservatively 28/130, i.e. about 16 true hits might be missed within the interval.

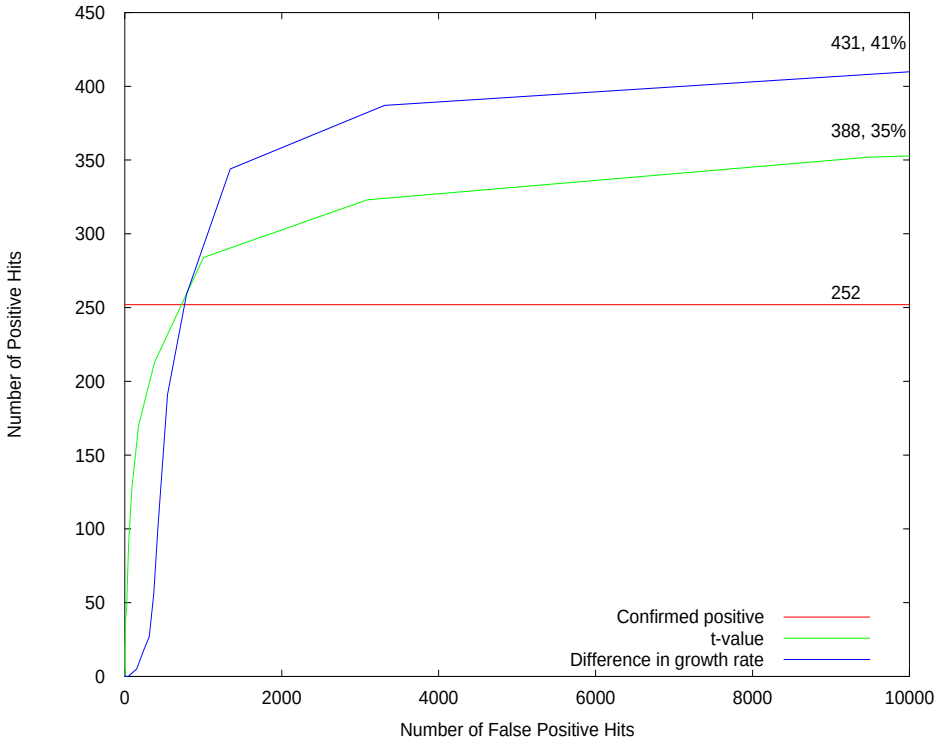


Figure S2

The detection of possible positive interactions with regard to the number of false positive interactions. From these 10 screens, 252 putative interactions confirmed positive out of the total 46418 interactions. The total number of possible positive interactions was estimated to be 388 and 431 for the calibration variables of t-value and difference in growth rate, respectively, as shown in Fig. S1, which suggests a false negative rate in the range of 35% to 41%.

Sequence Alignment of Ymr299c

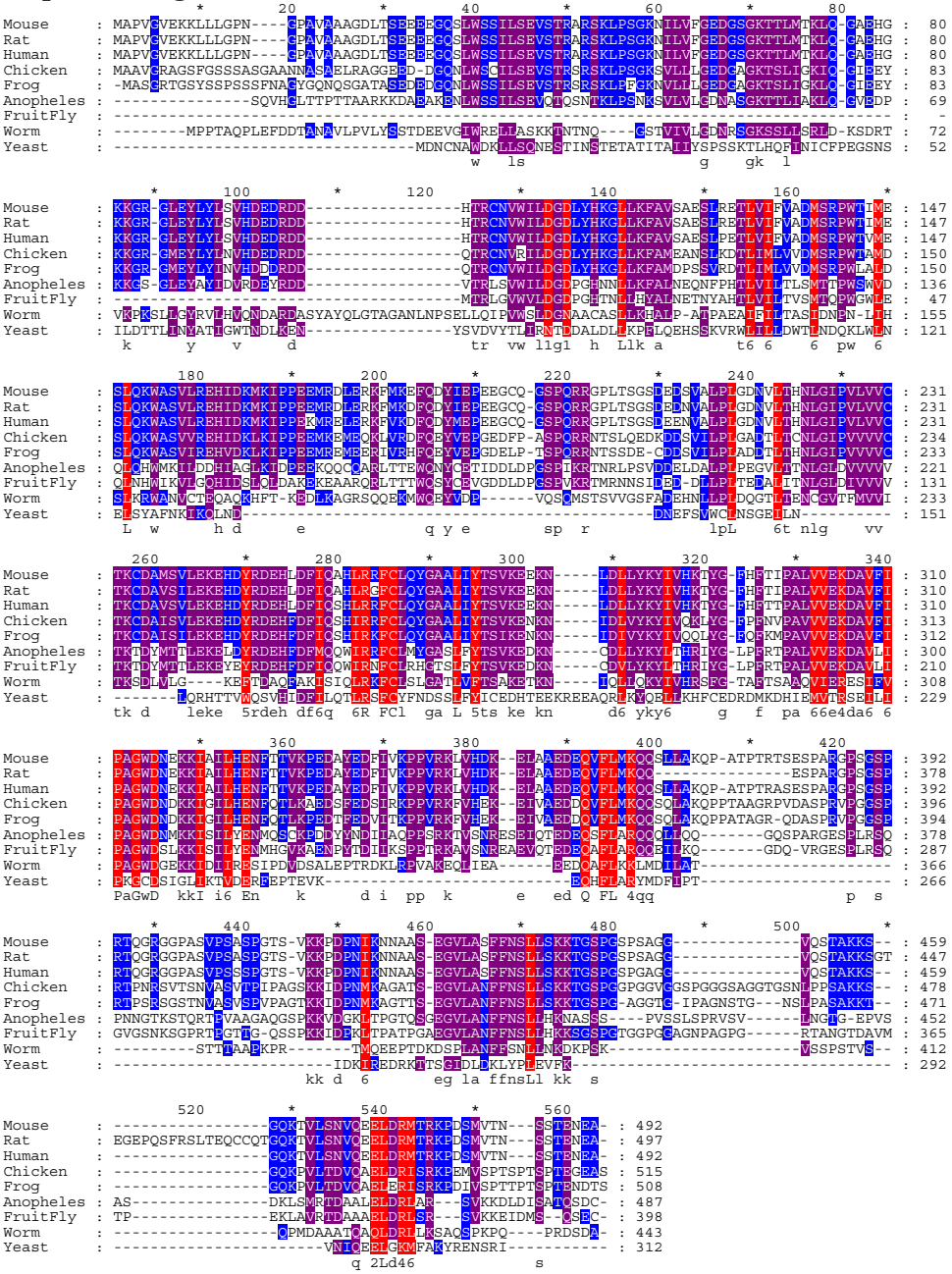


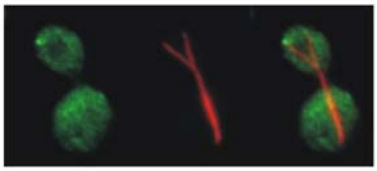
Figure S3.

Multiple sequence alignment of Ymr299c showing conservation across eukaryotes for the dynein light intermediate chain protein. Alignment was constructed using ClustalX 1.83 and subsequently colored using GeneDoc. Numbers above the alignment indicate the sequence position. Letters under the alignment show the consensus motif, with lower and upper case letters showing medium and high levels of conservation, respectively, and numbers indicating conserved similar residues (i.e. 1=DN similarity group, 2=EQ, 3=ST, 4=KR, 5= FYW, 6=LIVM). Zoom in (250%) see more detail. The following protein database records from NCBI's Entrez system were used in the alignment:

Mouse (gi|23633509) similar to Dynein light intermediate chain 2
Rat (gi|13591938) dynein light intermediate chain
Human (gi|5453634) dynein, cytoplasmic, light intermediate polypeptide 2
Chicken (gi|2494217) Dynein light chain A
Frog (gi|28280005) similar to cytoplasmic dynein light-intermediate chain
Anopheles Anopheles gambiae (gi|31204625)
FruitFly (gi|24641230)
Worm (gi|25151901) cytoplasmic Dynein Light chain, Intermediate type
Yeast: (gi|6323957) Ymr299cp

Localization of Ymr299c and Microtubules

A



B

Strain				Total defects
WT	3.0%	0.8%	0.2%	4.0%
ymr299cΔ	2.4%	3.4%	7.6%	13.4%
dyn1Δ	4.4%	4.6%	5.6%	14.6%
arp1Δ	4.0%	4.4%	7.8%	17.0%

Figure S4.

A. Immunofluorescence of both microtubules and Ymr299c showed that Ymr299c localized to motile cortical dots and colocalized to the tips of cytoplasmic microtubules. Microtubules were stained with anti-α tubulin YO L1/34 at 1:100 dilution and goat anti-rat conjugated with rhodamine at a dilution of 1:200; and rabbit anti-GFP at1:100 dilution and goat anti-rabbit conjugated with fluorescein at a dilution of 1:100.
B. The percentage of nuclear positioning defects in cells. Wild-type and mutant strains *ymr299cΔ*, *dyn1Δ*, and *arp1Δ* were fixed, stained with DAPI, and then scored for nuclear position. The position and phenotype of nuclear DNA was visualized by DAPI staining, and scored for abnormal morphology corresponding to the phenotypes schematically depicted. The first column shows the percentage of cells with the nucleus failed to position at the bud neck; the second column shows the percentage of cells with anaphase occurring in the mother cell; and the third column shows the percentage of cells with both nuclei in the mother cell. The total percentage of defects is the sum of percentage of cells with abnormal phenotypes. n = 500 cells for each strain.

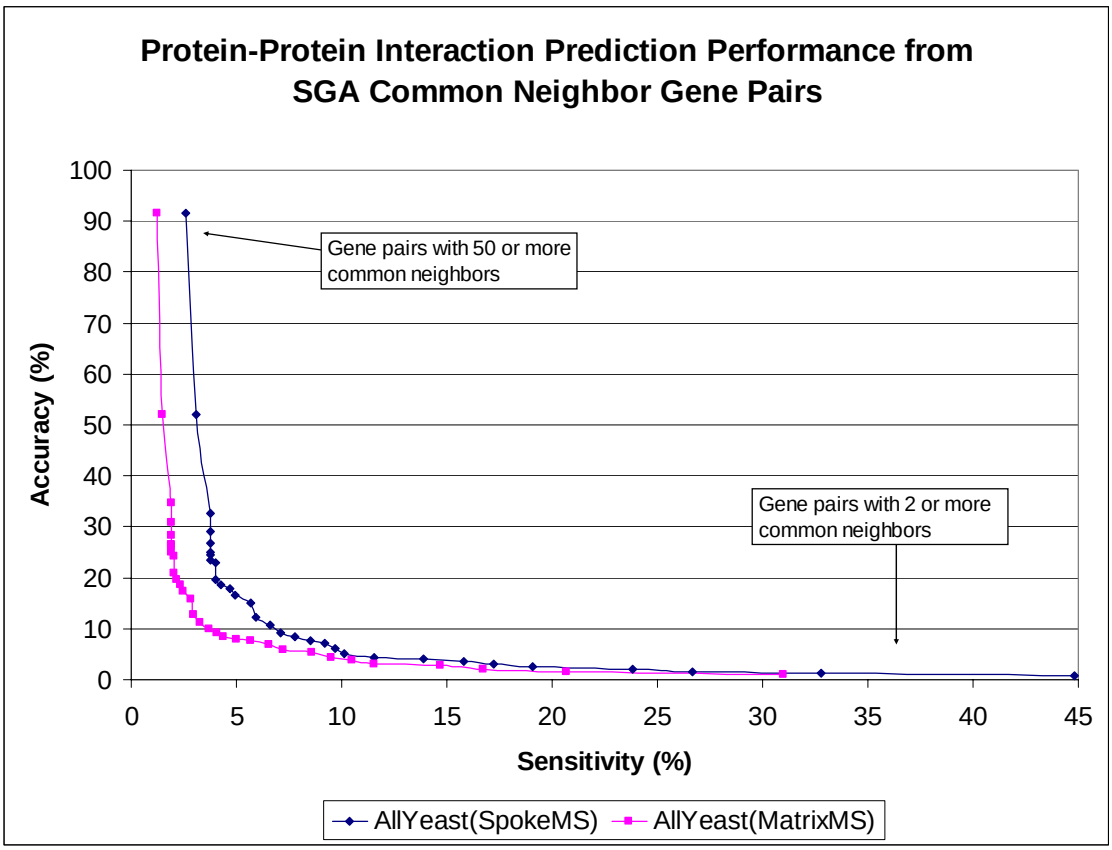


Figure S5.
Prediction Performance of Common Neighbor Protein-Protein Interaction Measure
Accuracy (sometimes called specificity) is the ratio of true protein-protein interactions to total predicted interactions (if a predicted interaction occurs between genes with many common neighbors). Sensitivity is the ratio of true protein-protein interactions to the total number of protein interactions that could be predicted, in this case the number of protein interactions among any of the 649 genes in the above 1 common neighbor network (443 possible protein interactions). AllYeast(SpokeMS) is a set of 15,143 protein-protein interactions including large-scale mass spectrometry study copurifications represented using the spoke model (bait connected to hits). AllYeast(MatrixMS) contains 52,345 protein-protein interactions including the mass spectrometry copurifications represented using the matrix model (all copurified proteins interconnected) **(S*21*)**.

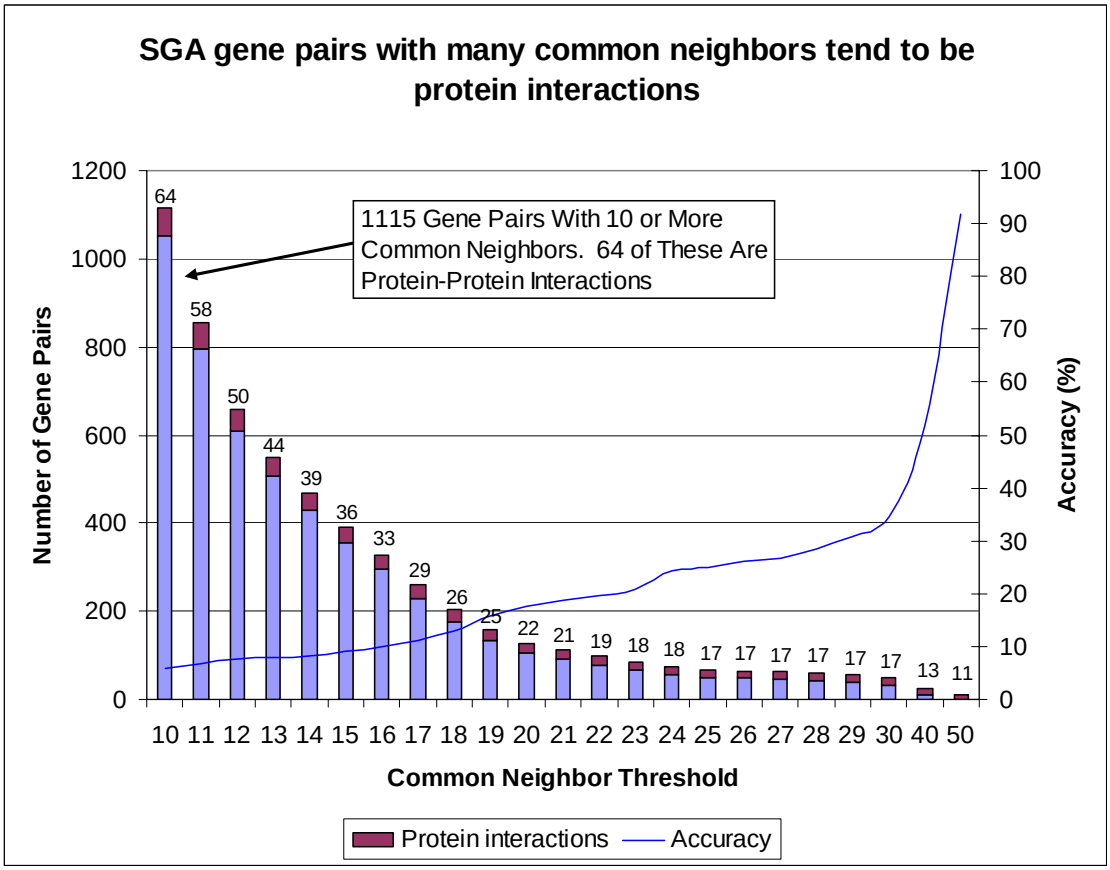


Figure S6.
Protein-Protein Interaction Prediction Accuracy Grows with the Number of Neighbors Shared by SGA Gene Pairs. The number of gene pairs with at least the given number of common neighbors (common neighbor threshold) is shown (Dark Purple + Light Purple) along with the number of known protein-protein interactions that overlap (Dark Purple). The number of gene pairs at a common neighbor threshold that don't overlap with known protein-protein interactions is shown as well (Light Purple). The accuracy of the protein-protein interaction measure is superimposed (Blue line).

Figure S7. Examples of the spot assay version of random spore analysis: *MAT***a** meiotic progeny derived from sporulation of heterozygous diploids, *MAT***a**/α *dcc1Δ::natR/+ bim1Δ::kanR/+* or *MAT***a**/α *dcc1Δ::natR/+ bni1Δ::kanR/+* , spotted on to medium [SD/(MSG) – His/Arg + canavanine] containing the antibiotics as indicated. The cultures were incubated at 30°C for ~2 days. Cell growth under the three conditions was compared and scored. The *MAT***a** *dcc1Δ::natR bim1Δ::kanR* double mutant was scored as having a synthetic genetic interaction (Yes), whereas the *MAT***a** *dcc1Δ::natR bni1Δ::kanR* double mutant was not (No).

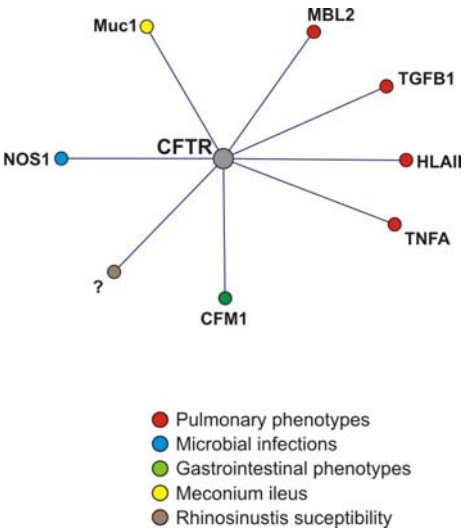


Figure S8.
The complexity of genetic interactions with the gene *CFTR*, mutations in this gene cause the cystic fibrosis phenotype **(S*34*)**.

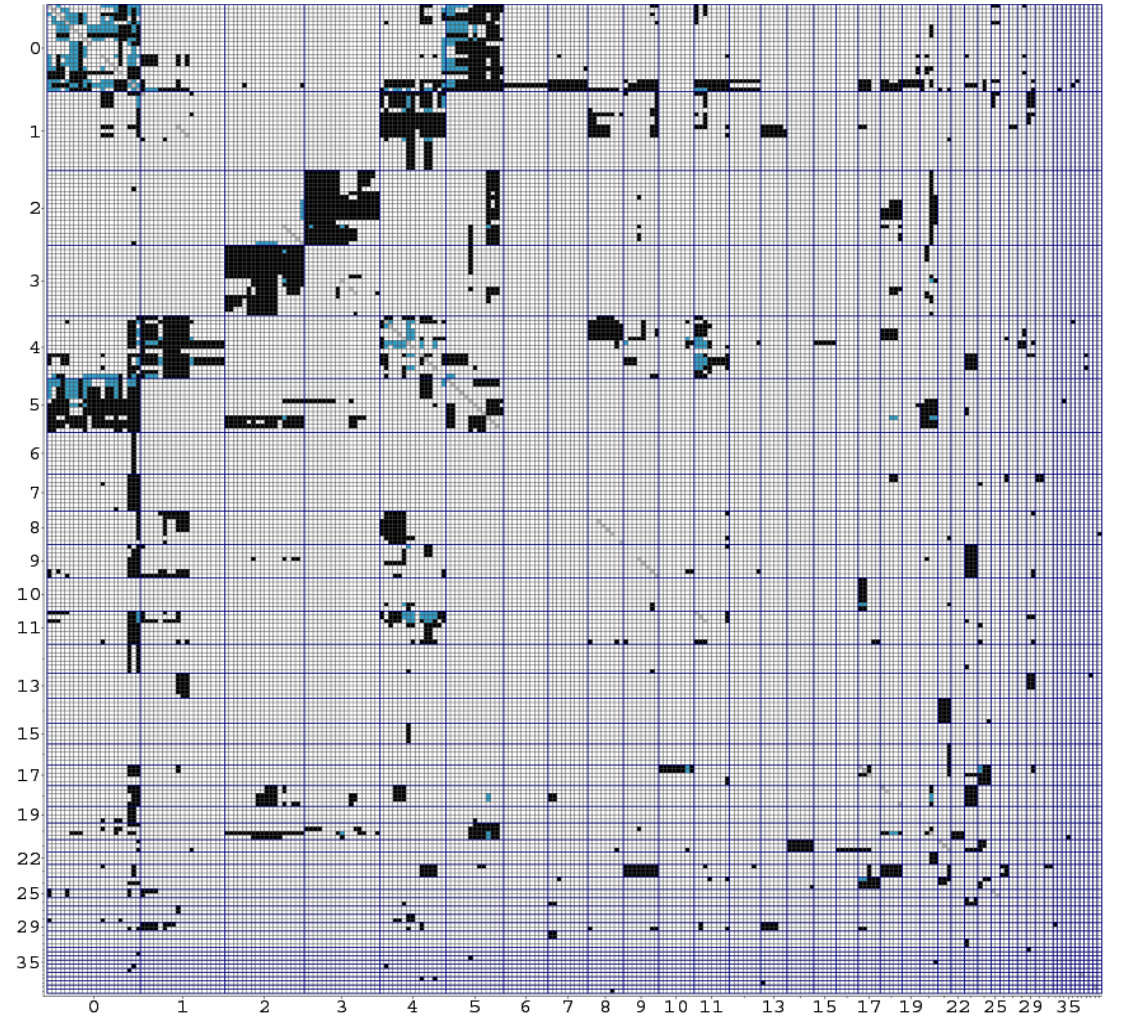


Figure S9.

A matrix of connections between gene functions based on synthetic genetic interaction. Colored cells in this matrix represent pairs of GO attributes that are associated with genetic interactions more than would be expected by chance ($P < 0.05$); we say that the attributes in such pairs are "genetically connected". P-values have been corrected for multiple hypothesis testing by resampling **(S*27*)**, so that it would be unlikely (1 chance in 20) to find any filled cells in this table if synthetic interaction and GO annotation were unrelated. Each grey cell (always along the diagonal) represents a GO attribute for which genetic interactions between genes each with that attribute are surprisingly abundant ($P<.05$ with multiple hypothesis correction). Each black cell indicates a pair of genetically-connected GO attributes; each blue cell indicates a pair of genetically-connected attributes that are also similar in the sense that there is significant overlap in the sets of genes associated with each attribute (described further below). We define the "neighbor set" of a GO attribute as the set of GO attributes that are "genetically connected" to it; GO attributes were clustered according to the degree of overlap of their neighbor sets (cluster numbers are shown along the axes). Clusters and their component attributes are listed in Table S7.

Figure S10.

A subregion of the matrix of connections between gene functions based on synthetic genetic interaction. The coloring of the cells is as described for Fig. S9. GO attribute names are colored according to Molecular Function (blue), Biological Process (green), and Cellular Component (red) branches of the Gene Ontology. Clusters and their component attributes are listed in Table S7.

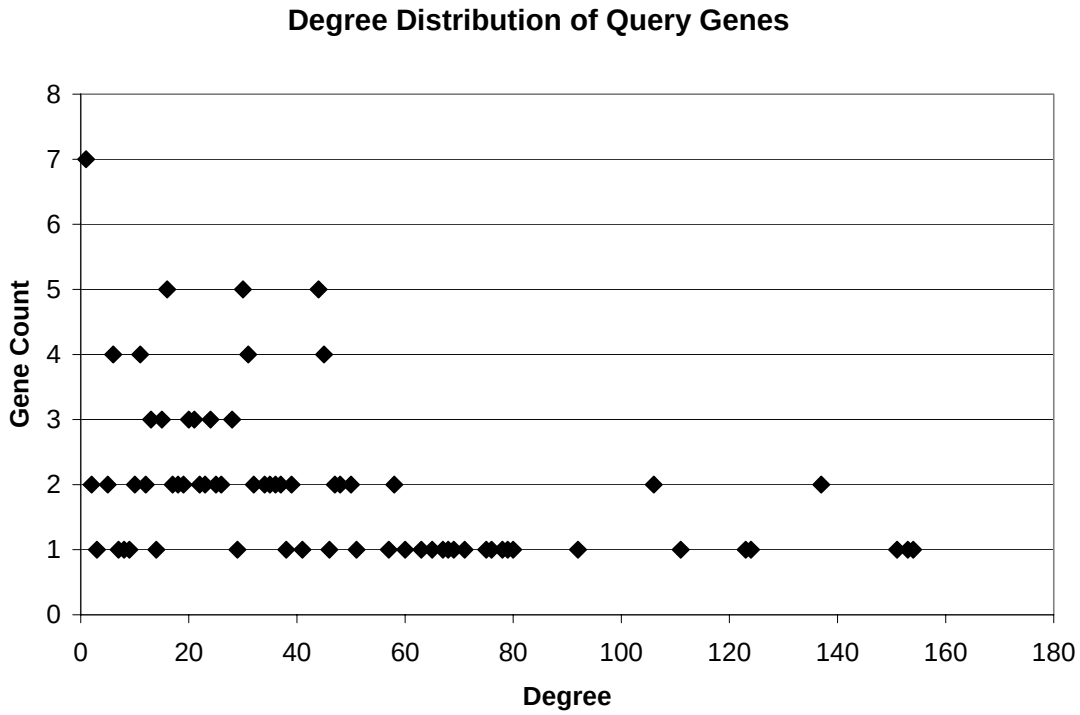


Figure S11.
The degree distribution of query genes.

Table S1. A table summarizing all the synthetic lethal/fitness interactions. [see pages 37 to 111]

Table S2 summarizes the average number of interactions/protein in various protein interaction datasets

Dataset (S*21*)	**Average number of interactions/protein**
TAP (spoke)	7.5
HMS-PCI (spoke)	8.5
TAP and HMS-PCI combination (spoke)	8.0
TAP and HMS-PCI combination (spoke) reduced to only cases where MS bait matched an SGA query (34 occurrences)*	7.4
Ito and Uetz Y2H screens reduced to only cases where MS bait matched an SGA query	1.5
All known yeast protein-protein interactions (SGA queries only)	6.8
Estimated yeast interactome size **(S*33*)**	3-5

*Average number of non-redundant SGA interactions for these 34 queries that matched either a bait in TAP or HMS-PCI: 31.7

Table S3. Association between synthetic genetic interaction (S) and other gene- or protein-pair characteristics. Among gene pairs tested by SGA, columns 2-5 show the numbers of gene pairs with both S and a given query characteristic C; the number with only S; with only C; and with neither. The remaining columns show "P(C|S)," the probability that a gene pair possesses the query characteristic, given that it is S; "Odds," the ratio of P(C|S) to P(C|not S); "P(S|C)," the probability that a gene pair is S, given that it possesses the query characteristic; and "P-value," the significance of overlap between S and C, as computed by Fisher's Exact Test. Significance of association (indicated by shading) required a P-value of < 0.002, established by the conservative Dunn-Sidak correction to yield an experiment-wise error rate < 0.05.

Query Characteristic	S+C	S only	C only	Neither	P(C|S)	Odds	P(S|C)	P-value
Similar GO annotation	813	2247	26166	698133	0.27	7	0.03	<2E-322
Same MIPS mutant phenotype	456	2604	9311	714988	0.15	12	0.05	9E-316
Same GO annotation	418	2642	8153	716146	0.14	12	0.05	5E-296
Similar GO annotation (filtered)	813	1519	26166	296196	0.35	4	0.03	1E-286
Same GO annotation (filtered)	418	1914	8153	314209	0.18	7	0.05	2E-211
Same subcellular localization	125	2935	3488	720811	0.04	8	0.03	2E-70
Physical interaction: same MIPS complex	88	2972	1439	722860	0.03	14	0.06	4E-68
Physical interaction	104	2956	2579	721720	0.03	10	0.04	2E-63
Physical interaction: same MIPS complex (no subcomplexes)	24	3036	162	724137	8E-03	35	0.13	5E-28
Sequence homology (BLAST E-value < 1E-3)	47	3013	1771	722528	0.02	6	0.03	4E-22
Same predicted complex (using MCODE)	28	3032	904	723395	9E-03	7	0.03	2E-15
Correlated mRNA expression (Cho, CC > 0.7)	59	3001	6169	718130	0.02	2	9E-03	2E-08
Physical interaction: APMS (TAP or HMS-PCI)	17	3043	1029	723270	6E-03	4	0.02	4E-06
Physical interaction: HMS-PCI	11	3049	697	723602	4E-03	4	0.02	3E-04
mRNA coexpression	74	2986	11669	712630	0.02	1.5	6E-03	6E-04
Physical interaction: TAP	6	3054	345	723954	2E-03	4	0.02	4E-03
Physical interaction: Y2H U APMS "spoke"	5	3055	290	724009	2E-03	4	0.02	9E-03
Physcial interaction: Y2H: Ito3+, Uetz	2	3058	61	724238	7E-04	8	0.03	0.03
Common upstream regulator (P ≤ 0.001)	41	3019	7118	717181	0.01	1.4	6E-03	0.03
Physical interaction: Y2H Ito3+	1	3059	21	724278	3E-04	11	0.05	0.09
Physical interaction: Y2H Uetz	1	3059	47	724252	3E-04	5	0.02	0.18

Correlated mRNA expr (Rosetta, CC < -0.7)	**3**	**3057**	**513**	**723786**	**1E-03**	**1.4**	**6E-03**	**0.37**
Correlated mRNA expr (Rosetta, CC > 0.7)	**2**	**3058**	**694**	**723605**	**7E-04**	**0.7**	**3E-03**	**0.79**
Correlated mRNA expr (Cho, CC < -0.7)	**4**	**3056**	**2612**	**721687**	**1E-03**	**0.4**	**2E-03**	**1**
Chromosomal distance < 7kb	**0**	**3060**	**1033**	**723266**	**0**	**0**	**0**	**1**
Gene cooccurence	**0**	**3060**	**6**	**724293**	**0**	**0**	**0**	**1**
Gene fusion	**0**	**3060**	**3**	**724296**	**0**	**0**	**0**	**1**
Phys intxn (Uetz, Ito3) mutual corr coefficient > 0	**0**	**3060**	**234**	**724065**	**0**	**0**	**0**	**1**
Phys intxn (Uetz, Ito3) mutual corr coefficient $\geq$ 3	**0**	**3060**	**226**	**724073**	**0**	**0**	**0**	**1**
Same gene neighborhood	**0**	**3060**	**62**	**724237**	**0**	**0**	**0**	**1**

Table S4. A table of genetic interactions identified for gene pairs tested in the neighborhood density analysis. [see pages 112 to 189]

Table S5. A table summarizing the genetic interactions identified in the *BNI1 BIM1* triple mutant screen. The "Genetic Interaction – Gene Name" column indicates the gene identified as an interactor in the *BNI1 BIM1* triple mutant screen. The "Genetic Interaction – Systematic Name" column indicates the systematic (ORF) name that corresponds to the interactor gene. The "BNI1" column contains the double-mutant phenotype between *bni1Δ::URA3* and *xxxΔ::kanR* as confirmed by tetrad analysis. The "BIM1" column contains the double-mutant phenotype between *bim1Δ::natR* and *xxxΔ::kanR* as confirmed by tetrad analysis. The "BNI1 BIM1" column contains the triple-mutant phenotype between *bni1Δ::URA3 bim1Δ::natR* and *xxxΔ::kanR* as confirmed by tetrad analysis. "SS" refers to a synthetic sick interaction; "SL" refers to a synthetic lethal interaction; "No" refers to an interaction that was tested but showed no SS or SL phenotype; "N/D" refers to test not done.

Genetic Interaction - Gene Name	Genetic Interaction - Systematic Name	BNI1	BIM1	BNI1 BIM1
IKI3	YLR384C	SS	SS	SL
INO2	YDR123C	No	No	SS
RPN10	YHR200W	No	No	SS
CHS7	YHR142W	SS	No	SL
BEM1	YBR200W	SL	SL	N/D
CLA4	YNL298W	SL	SL	N/D
NBP2	YDR162C	SS	SS	No
SAC3	YDR159W	SS	SL	N/D
YKE2	YLR200W	SS	SL	N/D
SMI1	YGR229C	SL	SL	N/D
CYK3	YDL117W	SS	SS	No
SHS1	YDL225W	SL	SS	N/D
FAB1	YFR019W	SL	SL	N/D
ASE1	YOR058C	SL	SL	N/D
DYN1	YKR054C	SL	SL	N/D
DYN2	YDR424C	SS	SL	N/D
PAC11	YDR488C	SL	SL	N/D
ARP1	YHR129C	SL	SL	N/D
JNM1	YMR294W	SL	SL	N/D
NIP100	YPL174C	SL	SL	N/D
NUM1	YDR150W	SL	SL	N/D
PAC1	YOR269W	SL	SL	N/D
ELP2	YGR200C	SL	SL	N/D
ELP3	YPL086C	SS	SS	No
ELP4	YPL101W	SL	SL	N/D
ELP6	YMR312W	SL	SL	N/D
KRE24	YPL102C	SL	SL	N/D
MTM1	YLR190W	SS	SS	No
UBA4	YHR111W	SS	SS	No
VID22	YLR373C	SL	SL	N/D
	YDR149C	SL	SL	N/D

	YGR228W	SL	SL	N/D
	YLL049W	SS	SL	N/D
	YMR299C	SL	SL	N/D
YPT6	YLR262C	SS	SS	No
PCL1	YNL289W	SS	No	No
SWE1	YJL187C	SS	No	No
SWI4	YER111C	SL	No	No
BEM2	YER155C	SL	No	No
BEM4	YPL161C	SL	No	No
BUD6	YLR319C	SS	No	No
ELM1	YKL048C	SS	No	No
GIN4	YDR507C	SL	No	No
NAP1	YKR048C	SS	No	No
SLA1	YBL007C	SS	No	No
ATS1	YAL020C	SL	No	No
CHS5	YLR330W	SS	No	No
BCK1	YJL095W	SL	No	No
CHS3	YBR023C	SL	No	No
SKT5	YBL061C	SS	No	No
SLT2	YHR030C	SL	No	No
BNI4	YNL233W	SL	No	No
BNR1	YIL159W	SL	No	No
PIN4	YBL051C	SL	No	No
TIP41	YPR040W	SS	No	No
BBC1	YJL020C	SS	No	No
TUS1	YLR425W	SL	No	No
	YBL062W	SS	No	No
	YKR047W	SS	No	No
	YNL119W	SS	No	No
DRS2	YAL026C	SL	No	No
SNC2	YOR327C	SL	No	No
VPS28	YPL065W	SL	No	No
MDM20	YOL076W	SS	N/D	N/D
BCK1	YJL095W	SL	N/D	N/D
ERG2	YMR202W	SS	N/D	N/D
ERG3	YLR056W	SS	N/D	N/D
VPS67	YKR020W	SS	N/D	N/D
YBL062W	YBL062W	SS	N/D	N/D
YOR322C	YOR322C	SS	N/D	N/D
	YNL201C	No	SS	No
ARP6	YLR085C	No	SS	No
TUB3	YML124C	No	SL	No
GIM3	YNL153C	No	SL	No
GIM4	YEL003W	No	SL	No
GIM5	YML094W	No	SL	No
PAC10	YGR078C	No	SL	No
CIN1	YOR349W	No	SL	No
CHL1	YPL008W	No	SL	No
CHL4	YDR254W	No	SL	No
IML3	YBR107C	No	SL	No
CTF3	YLR381W	No	SL	No
CTF19	YPL018W	No	SL	No
MCM16	YPR046W	No	SL	No
MCM21	YDR318W	No	SL	No
MCM22	YJR135C	No	SL	No
NKP1	YDR383C	No	SS	No
NKP2	YLR315W	No	SS	No
CTF4	YPR135W	No	SL	No
CTF8	YHR191C	No	SL	No
CTF18	YMR078C	N/D	SL	N/D
DCC1	YCL016C	No	SL	No
HTZ1	YOL012C	No	SL	No
SAP30	YMR263W	No	SL	No
SLK19	YOR195W	No	SL	No
MMS1	YPR164W	No	SL	No
MRC1	YCL060C	No	SL	No

MRE11	YMR224C	No	SL	No
RAD52	YML032C	No	SS	No
RAD54	YGL163C	No	SL	No
RAD61	YDR014W	N/D	SL	N/D
TOF1	YNL273W	Linked	SL	No
DEP1	YAL013W	No	SL	No
INP52	YNL106C	No	SL	No
CSM3	YMR048W	No	SL	No
MCK1	YNL307C	No	SL	No
BIK1	YCL029C	No	SL	No
CIN8	YEL061C	No	SS	No
KIP2	YPL155C	No	SL	No
KIP3	YGL216W	No	SL	No
MAD1	YGL086W	No	SL	No
MAD2	YJL030W	No	SL	No
MAD3	YJL013C	No	SL	No
BUB1	YGR188C	No	SL	No
BUB2	YMR055C	No	SL	No
BUB3	YOR026W	No	SL	No
BFA1	YJR053W	No	SL	No
MSN5	YDR335W	No	SS	No
PHO23	YNL097C	No	SL	No
KEM1	YGL173C	No	SL	No
PPZ1	YML016C	No	SL	No
AOR1	YBR231C	No	SL	No
IPK1	YDR315C	N/D	SL	N/D
LSM1	YJL124C	N/D	SL	N/D
IES2	YNL215W	No	SS	No
KTI12	YKL110C	No	SS	No
RTT103	YDR289C	No	SS	No
RXT2	YBR095C	No	SL	No
VID21	YDR359C	No	SL	No
	YDR360W	No	SL	No
	YGL211W	No	SS	No
	YGL217C	No	SL	No
	YML094C-A	No	SL	No
	YNL136W	No	SS	No
	YNL170W	No	SL	No
	YPL017C	No	SL	No
BRE5	YNR051C	N/D	SL	N/D
VAC14	YLR386W	No	SL	No
YTA7	YGR270W	No	SL	No

Table S6. A table summarizing the genetic interactions identified in the *BNI1 KRE1* triple mutant screen. The "Genetic Interaction – Gene Name" column indicates the gene identified as an interactor in the *BNI1 KRE1* triple mutant screen. The "Genetic Interaction – Systematic Name" column indicates the systematic (ORF) name that corresponds to the interactor gene. The "BNI1" column contains the double-mutant phenotype between *bni1Δ::URA3* and *xxxΔ::kanR* as confirmed by tetrad analysis. The "KRE1" column contains the double-mutant phenotype between *kre1Δ::natR* and *xxxΔ::kanR* as confirmed by tetrad analysis. The "BNI1 KRE1" column contains the triple-mutant phenotype between *bni1Δ::URA3 kre1Δ::natR* and *xxxΔ::kanR* as confirmed by tetrad analysis. "SS" refers to a synthetic sick interaction; "SL" refers to a synthetic lethal interaction; "No" refers to an interaction that was tested but showed no SS or SL phenotype ; "N/D" refers to test not done.

Genetic Interaction - Gene Name	Genetic Interaction - Systematic Name	BNI1	KRE1	BNI1 KRE1
SWI4	YER111C	No	No	SS
BUD19	YJL188C	No	No	SS
CAP1	YKL007W	No	No	SL

CAP2	YIL034C	No	No	SL
CHS6	YJL099W	No	No	SS
ALG5	YPL227C	No	No	SS
ALG6	YOR002W	No	No	SS
ALG8	YOR067C	No	No	SS
MNN2	YBR015C	No	No	SS
YPT31	YER031C	No	No	SS
SYS1	YJL004C	No	No	SL
ARL1	YBR164C	No	No	SL
ARL3	YPL051W	No	No	SS
APM1	YPL259C	No	No	SS
AGE2	YIL044C	No	No	SS
GTR1	YML121W	No	No	SS
ELM1	YKL048C	slightly SS	No	SS
MMR1	YLR190W	No	SS	SL
OST3	YOR085W	No	slightly SS	SS
INP53	YOR109W	No	slightly SS	SS
COG5	YNL051W	No	slightly SS	SS
COG7	YGL005C	No	slightly SS	SS
COG8	YML071C	No	slightly SS	SS
VAC7	YNL054W	No	SS	SL
ERG2	YMR202W	SS	SS	SL
ERG3	YLR056W	SS	SS	SL
ERG5	YMR015C	No	slightly SS	SS
	YFR043C	No	SS	SL
	YGR228W	No	SS	SL
BEM2	YER155C	SL	SS	N/D
CHS3	YBR023C	SS	SS	No
SKT5	YBL061C	SS	SS	No
CHS5	YLR330W	SS	SS	No
SLT2	YHR030C	SL	SL	N/D
BCK1	YJL095W	SL	SS	N/D
SMI1	YGR229C	SL	SL	N/D
DRS2	YAL026C	SL	SS	N/D
FAB1	YFR019W	SL	SL	N/D
NBP2	YDR162C	SS	SS	No
VPS67	YKR020W	SS	SS	No
	YBL062W	SS	SS	No
BBC1	YJL020C	SS	No	No
BEM1	YBR200W	SL	No	No
BEM4	YPL161C	SS	No	No
BNI4	YNL233W	SS	No	No
BNR1	YIL159W	SL	No	No
BUD6	YLR319C	SS	No	No
CHS7	YHR142W	SS	No	No
CLA4	YNL298W	SL	No	No
ASE1	YOR058C	SL	No	No
NUM1	YDR150W	SL	No	No
PAC1	YOR269W	SL	No	No
DYN1	YKR054C	SL	No	No
PAC11	YDR488C	SL	No	No
	YMR299C	SL	No	No
ARP1	YHR129C	SL	No	No
JNM1	YMR294W	SL	No	No
NIP100	YPL174C	SL	No	No
PCL1	YNL289W	SS	No	No
SWE1	YJL187C	SS	No	No
TUS1	YLR425W	SS	No	No
YKE2	YLR200W	SS	No	No
	YDR149C	SL	No	No
	YOR322C	SS	No	No
ATS1	YAL020C	SL	N/D	N/D
CYK3	YDL117W	SS	N/D	N/D
DYN2	YDR424C	SS	N/D	N/D
ELP2	YGR200C	SL	N/D	N/D
ELP3	YPL086C	SS	N/D	N/D

ELP4	YPL101W	SL	N/D	N/D
ELP6	YMR312W	SL	N/D	N/D
GIN4	YDR507C	SL	N/D	N/D
KRE24	YPL102C	SL	N/D	N/D
MDM20	YOL076W	SS	N/D	N/D
MTM1	YLR190W	SS	N/D	N/D
NAP1	YKR048C	SS	N/D	N/D
PIN4	YBL051C	SL	N/D	N/D
SAC3	YDR159W	SS	N/D	N/D
SHS1	YDL225W	SL	N/D	N/D
SLA1	YBL007C	SS	N/D	N/D
SNC2	YOR327C	SL	N/D	N/D
TIP41	YPR040W	SS	N/D	N/D
UBA4	YHR111W	SS	N/D	N/D
VID22	YLR373C	SL	N/D	N/D
VPS28	YPL065W	SL	N/D	N/D
YKR047W	YKR047W	SS	N/D	N/D
YLL049W	YLL049W	SS	N/D	N/D
YNL119W	YNL119W	SS	N/D	N/D
YPT6	YLR262C	SS	N/D	N/D
CNB1	YKL190W	No	SS	No
CNE1	YAL058W	No	SL	No
CWH41	YGL027C	No	SL	No
DFG5	YMR238W	No	SL	No
ERD1	YDR414C	No	SL	No
GAS1	YMR307W	No	SL	No
GUP1	YGL084C	No	SL	No
HOC1	YJR075W	No	SL	No
HUR1	YGL168W	No	SL	No
ILM1	YJR118C	No	SL	No
KEX1	YGL203C	No	SL	No
KEX2	YNL238W	No	SL	No
KRE11	YGR166W	No	SL	No
MNN11	YJL183W	No	SL	No
PER1	YCR044C	No	SS	No
RHK1	YBL082C	No	SS	No
ROT2	YBR229C	No	SL	No
SAC7	YDR389W	No	SL	No
STE24	YJR117W	No	SS	No
YUR1	YJL139C	No	SS	No
	YAL053W	No	SL	No
	YAL056C-A	No	SL	No
	YBL083C	No	SS	No
COG6	YNL041C	No	SS	No
GOS1	YHL031C	No	SL	No
PMR1	YGL167C	No	SL	No
SEC66	YBR171W	No	SS	No
MNN10	YDR245W	No	SL	No
PMT2	YAL023C	No	SL	No
	YKL077W	No	SS	No
BUD14	YAR014C	N/D	SS	N/D
ERG28	YER044C	N/D	SL	N/D
KRE20	YAL058C-A	N/D	SL	N/D
KRE9	YJL174W	N/D	SL	N/D
OPI3	YJR073C	N/D	SS	N/D
PTC1	YDL006W	N/D	SS	N/D
SAC6	YDR129C	N/D	SS	N/D
SHE4	YOR035C	N/D	SL	N/D
TOM37	YMR060C	N/D	SS	N/D
MNN11	YJL183W	N/D	SL	N/D

Table S7. A table of GO attribute clusters identified in Fig. S9 and their component attributes.

0

0015630 C microtubule cytoskeleton

0005874	C	microtubule
0003774	F	motor
0008017	F	microtubule binding
0000090	P	mitotic anaphase
0005815	C	microtubule organizing center
0005816	C	spindle pole body
0030615	C	spindle pole
0005819	C	spindle
0005876	C	spindle microtubule
0000071	P	mitotic spindle assembly (sensu Saccharomyces)
0030472	P	mitotic spindle assembly (sensu Fungi)
0000072	P	M-phase specific microtubule process
0007051	P	spindle assembly
0007052	P	mitotic spindle assembly
0007059	P	chromosome segregation
0005699	C	kinetochore
0005698	C	centromere
0015631	F	tubulin binding
0007020	P	microtubule nucleation
0008092	F	cytoskeletal protein binding

1

0016288	P	cytokinesis
0000142	C	contractile ring (sensu Saccharomyces)
0005826	C	contractile ring
0030480	C	contractile ring (sensu Fungi)
0006893	P	Golgi to plasma membrane transport
0006030	P	chitin metabolism
0042546	P	cell wall biosynthesis
0009272	P	cell wall biosynthesis (sensu Fungi)
0005976	P	polysaccharide metabolism
0016051	P	carbohydrate biosynthesis
0000271	P	polysaccharide biosynthesis
0006887	P	exocytosis
0009581	P	perception of external stimulus
0009582	P	perception of abiotic stimulus
0009593	P	perception of chemical substance
0000749	P	response to pheromone during conjugation with cellular fusion
0019236	P	response to pheromone
0007600	P	sensory perception
0007606	P	chemosensory perception

2

0007534	P	gene conversion at MAT locus
0007533	P	mating-type switching/recombination
0007530	P	sex determination
0007531	P	mating-type determination
0000723	P	telomere maintenance
0006311	P	meiotic gene conversion
0006974	P	response to DNA damage
0007127	P	meiosis I
0007128	P	meiotic prophase I
0007131	P	meiotic recombination
0007143	P	female meiosis
0007144	P	female meiosis I
0000077	P	DNA damage checkpoint
0006302	P	double-strand break repair
0006312	P	mitotic recombination
0000724	P	double-strand break repair via homologous recombination
0000725	P	recombinational repair
0045003	P	double-strand break repair via synthesis-dependent strand annealing

3

0006301	P	post-replication repair
0006271	P	DNA strand elongation

0006272	P	leading strand elongation
0006273	P	lagging strand elongation
0045005	P	maintenance of fidelity during DNA dependent DNA replication
0003887	F	DNA-directed DNA polymerase
0006298	P	mismatch repair
0006313	P	DNA transposition
0006289	P	nucleotide-excision repair
0016779	F	nucleotidyltransferase
0004386	F	helicase
0003678	F	DNA helicase
0000726	P	non-recombinational repair
0004527	F	exonuclease
0004520	F	endodeoxyribonuclease
0004536	F	deoxyribonuclease
0004519	F	endonuclease

4

0004702	F	receptor signaling protein serine/threonine kinase
0006970	P	response to osmotic stress
0006897	P	endocytosis
0030479	C	actin cortical patch (sensu Fungi)
0005857	C	actin cortical patch (sensu Saccharomyces)
0007121	P	polar budding
0030036	P	actin cytoskeleton organization and biogenesis
0007015	P	actin filament organization
0006403	P	RNA localization
0007117	P	bud growth
0000143	C	actin cap (sensu Saccharomyces)
0030478	C	actin cap (sensu Fungi)
0007118	P	apical bud growth
0003779	F	actin binding
0005200	F	structural constituent of cytoskeleton

5

0007102	P	spindle pole body and microtubule cycle (sensu Saccharomyces)
0030471	P	spindle pole body and microtubule cycle (sensu Fungi)
0000065	P	nuclear migration (sensu Saccharomyces)
0030473	P	nuclear migration (sensu Fungi)
0007097	P	nuclear migration
0000075	P	cell cycle checkpoint
0007088	P	regulation of mitosis
0007093	P	mitotic checkpoint
0007094	P	mitotic spindle checkpoint
0005657	C	replication fork
0007062	P	sister chromatid cohesion
0030261	P	chromosome condensation
0005708	C	mitotic chromosome

6

0008483	F	transaminase
0008415	F	acyltransferase
0006612	P	protein-membrane targeting
0016746	F	transferase, transferring acyl groups
0016747	F	transferase, transferring groups other than amino-acyl groups
0040020	P	regulation of meiosis
0016769	F	transferase, transferring nitrogenous groups
0016407	F	acetyltransferase
0004540	F	ribonuclease
0004402	F	histone acetyltransferase

7

0016570	P	histone modification
0016569	P	covalent chromatin modification
0005096	F	GTPase activator
0006613	P	co-translational membrane targeting

0006614	P	SRP-dependent, co-translational membrane targeting
0006616	P	SRP-dependent, co-translational membrane targeting, translocation
0006476	P	protein amino acid deacetylation
0016485	P	protein processing
0005643	C	nuclear pore

8

0005795	C	Golgi stack
0000030	F	mannosyltransferase
0006486	P	protein amino acid glycosylation
0009100	P	glycoprotein metabolism
0009101	P	glycoprotein biosynthesis
0016758	F	transferase, transferring hexosyl groups
0006888	P	ER to Golgi transport
0006487	P	N-linked glycosylation

9

0007119	P	isotropic bud growth
0007125	P	invasive growth
0007149	P	colony morphology
0006348	P	chromatin silencing at telomere
0000118	C	histone deacetylase complex
0004407	F	histone deacetylase
0007264	P	small GTPase mediated signal transduction
0007266	P	Rho protein signal transduction

10

0007034	P	vacuolar transport
0007035	P	vacuolar acidification
0006896	P	Golgi to vacuole transport
0016023	C	cytoplasmic vesicle
0016471	C	hydrogen-translocating V-type ATPase complex
0030117	C	membrane coat
0006892	P	post Golgi transport
0005977	P	glycogen metabolism

11

0005933	C	bud
0005935	C	bud neck
0005934	C	bud tip
0008047	F	enzyme activator
0007124	P	pseudohyphal growth
0040007	P	growth
0007150	P	growth pattern
0005057	F	receptor signaling protein

12

0003767	F	co-chaperone
0000079	P	regulation of CDK activity
0016538	F	cyclin-dependent protein kinase, regulator
0019887	F	protein kinase regulator
0003754	F	chaperone
0000011	P	vacuole inheritance
0004693	F	cyclin-dependent protein kinase

13

0007031	P	peroxisome organization and biogenesis
0004298	F	threonine endopeptidase
0004299	F	proteasome endopeptidase
0005837	C	26S proteasome
0005839	C	20S core proteasome
0008054	P	cyclin catabolism

14

0006906	P	non-selective vesicle fusion

0005478	F	intracellular transporter
0005484	F	SNAP receptor
0005485	F	v-SNARE
0016194	P	non-selective vesicle exocytosis
0005768	C	endosome

15

0042244	P	spore wall assembly
0006112	P	energy reserve metabolism
0030476	P	spore wall assembly (sensu Fungi)
0007152	P	spore wall assembly (sensu Saccharomyces)
0016052	P	carbohydrate catabolism

16

0007030	P	Golgi organization and biogenesis
0008080	F	N-acetyltransferase
0000042	P	protein-Golgi targeting
0016410	F	N-acyltransferase
0045053	P	Golgi retention

17

0007032	P	endosome organization and biogenesis
0016197	P	endosome transport
0006623	P	protein-vacuolar targeting
0003925	F	small monomeric GTPase
0005625	C	soluble fraction

18

0016440	P	transcriptional gene silencing
0016458	P	gene silencing
0030466	P	chromatin silencing at silent mating type cassettes (sensu Fungi)
0006347	P	chromatin silencing at HML and HMR (sensu Saccharomyces)
0006342	P	chromatin silencing

19

0016896	F	exoribonuclease, producing 5'-phosphomonoesters
0004532	F	exoribonuclease
0005635	C	nuclear membrane
0006944	P	membrane fusion

20

0000070	P	mitotic chromosome segregation
0005711	C	meiotic chromosome
0006261	P	DNA dependent DNA replication
0006270	P	DNA replication initiation

21

0005525	F	GTP binding
0003924	F	GTPase
0019001	F	guanyl nucleotide binding

22

0008134	F	transcription factor binding
0000082	P	G1/S transition of mitotic cell cycle
0003712	F	transcription cofactor

23

0016944	F	Pol II transcription elongation factor
0003711	F	transcription elongation factor
0008023	C	transcription elongation factor complex

24

0006891	P	intra-Golgi transport
0005083	F	small GTPase regulatory/interacting protein
0005085	F	guanyl-nucleotide exchange factor

25

0005936	C	shmoo
0005937	C	shmoo tip

26

0016571	P	histone methylation
0000183	P	chromatin silencing at ribosomal DNA (rDNA)

27

0000209	P	polyubiquitination
0006513	P	monoubiquitination

28

0000272	P	polysaccharide catabolism
0006457	P	protein folding

29

0009250	P	glucan biosynthesis
0006073	P	glucan metabolism

30

0006643	P	membrane lipid metabolism
0006644	P	phospholipid metabolism

31

0016278	F	lysine N-methyltransferase
0016279	F	protein-lysine N-methyltransferase

32

0005777	C	peroxisome

33

0015662	F	P-type ATPase

34

0006267	P	pre-replicative complex formation and maintenance

35

0003714	F	transcription co-repressor

36

0000147	P	actin cortical patch assembly

37

0000086	P	G2/M transition of mitotic cell cycle

38

0004576	F	oligosaccharyl transferase

39

0000131	C	incipient bud site

40

0009277	C	cell wall (sensu Fungi)

41

0006368	P	RNA elongation from Pol II promoter

42

0003899	F	DNA-directed RNA polymerase

Table S8. A defined subset of GO functional annotations used to assign a general function to each gene in the genetic interaction dataset of Table S1.

Simplified GO Functional Role
Aging
Amino-acid metabolism
Carbohydrate metabolism
Cell cycle control
Cell growth and/or maintenance
Cell polarity
Cell stress
Cell structure
Cell wall organization and biogenesis
Chromatin/chromosome structure
Cytokinesis
Differentiation
DNA repair
DNA replication
Endocytosis
Energy generation
ER organization and biogenesis
Glycogen metabolism
Lipid metabolism
Mating response
Meiosis
Metabolism
Mitochondrion organization and biogenesis
Mitosis
Nuclear-cytoplasmic transport
Other metabolism
Peroxisome organization and biogenesis
Phosphate metabolism
Pol I transcription
Pol II transcription
Protein degradation
Protein folding
Protein modification
Protein synthesis
Protein targeting
Protein translocation
Recombination
Ribosomal large subunit assembly and maintenance
Ribosomal large subunit nucleus export
RNA metabolism
RNA processing
RNA splicing
RNA turnover
Signal transduction
Small molecule transport
Transport
tRNA methylation
Unknown
Vacuolar organization and biogenesis
Vesicular transport

References

S1. A. H. Tong *et al.*, *Science* **294**, 2364 (2001).
S2. H. Ding *et al.*, (in preparation).
S3. C. B. Brachmann *et al.*, *Yeast* **14**, 115 (1998).
S4. R. S. Sikorski, P. Hieter, *Genetics* **122**, 19 (1989).
S5. A. S. Goehring *et al.*, *Mol Biol Cell* **14**, 1501 (2003).
S6. K. G. Kozminski *et al.*, *Mol Biol Cell* **14**, 4958 (2003).
S7. N. J. Krogan *et al.*, *Mol Cell Biol* **23**, 4207 (2003).
S8. M. Bellaoui *et al.*, *Embo J* **22**, 4304 (2003).
S9. D. Huang, J. Moffat, B. Andrews, *Mol Cell Biol* **22**, 5076 (2002).
S10. P. Shannon *et al.*, *Genome Res* **13**, 2498 (2003).
S11. T. I. Lee *et al.*, *Science* **298**, 799 (2002).
S12. C. von Mering *et al.*, *Nature* **417**, 399 (2002).
S13. H. W. Mewes *et al.*, *Nucleic Acids Res* **30**, 31 (2002).
S14. R. J. Cho *et al.*, *Mol Cell* **2**, 65 (1998).
S15. T. R. Hughes *et al.*, *Cell* **102**, 109 (2000).
S16. D. S. Goldberg, F. P. Roth, *Proc Natl Acad Sci U S A* **100**, 4372 (2003).
S17. P. Uetz *et al.*, *Nature* **403**, 623 (2000).
S18. T. Ito *et al.*, *Proc Natl Acad Sci U S A* **98**, 4569 (2001).
S19. A. C. Gavin *et al.*, *Nature* **415**, 141 (2002).
S20. Y. Ho *et al.*, *Nature* **415**, 180 (2002).
S21. G. D. Bader, C. W. Hogue, *Nat Biotechnol* **20**, 991 (2002).
S22. K. D. Pruitt, D. R. Maglott, *Nucleic Acids Res* **29**, 137 (2001).
S23. S. F. Altschul *et al.*, *Nucleic Acids Res* **25**, 3389 (1997).
S24. T. G. O. Consortium. (2003), vol. 2003.
S25. G. D. Bader, C. W. Hogue, *BMC Bioinformatics* **4**, 2 (2003).
S26. M. Ashburner *et al.*, *Nat Genet* **25**, 25 (2000).
S27. O. K. GF Berriz, B Bryant, C Sander, and FP Roth., *Bioinformatics* **(in press).**
S28. K. A. Kosco *et al.*, *Mol Biol Cell* **12**, 2870 (2001).
S29. W. L. Lee, J. R. Oberle, J. A. Cooper, *J Cell Biol* **160**, 355 (2003).
S30. A. L. Goldstein, J. H. McCusker, *Yeast* **15**, 1541 (1999).
S31. D. Pasqualone, T. C. Huffaker, *J Cell Biol* **127**, 1973 (1994).
S32. S. Itzkovitz, R. Milo, N. Kashtan, G. Ziv, U. Alon, *Phys Rev E Stat Nonlin Soft Matter Phys* **68**, 026127 (2003).
S33. A. Grigoriev, *Nucleic Acids Res* **31**, 4157 (2003).
S34. J. L. Badano, N. Katsanis, *Nat Rev Genet* **3**, 779 (2002).

The "Query Gene" column indicates the gene used as query in a SGA screen.

The "Genetic Interaction - Gene Name" column indicates the gene identified as an interactor with a particular query.

The "Genetic Interaction - Systematic Name" column indicates the systematic (ORF) name that corresponds to the interactor gene.

The "Score" column is defined as follows:

An interaction scored three times in the three runs by visual inspection received a score of "3".

An interaction scored twice in the three runs by visual inspection received a score of "2".

An interaction scored by the computer-based image analysis but not visual inspection received a score of "1".

For interactions that scored once in the three runs by visual inspection, confirmation was attempted only for those gene pairs with related functions. Such confirmed interactions received a score of "0".

The "RSA" column identifies an interaction that was confirmed by random spore analysis.

The "Tetrad" column indentifies an interaction confirmed by tetrad analysis.

"SS" refers to a synthetic sick interaction.

"SL" refers to a synthetic lethal interaction.

The "Functional Role" column indicates the assigned GO functional annotation from our defined subset of annotations.

All the interactions are identified in this study unless otherwise stated.

References: Genetic Interactions that have been previously described.

A. H. Tong *et al.* , *Science* **294**, 2364 (2001)

A. S. Goehring *et al.* , *Mol. Biol. Cell* , **14**,1501 (2003)

K. Kozminski *et al.* , *Mol. Biol. Cell* , **14**,4958 (2003)

N. Krogan *et al.* , *Mol. Cell Biol.* , **23**, 4207 (2003)

M. Bellaoui *et al.* , *EMBO* , **22**, 4304 (2003)

D. Huang *et al.* , *Mol. Cell Biol.* , **22**, 5076 (2003)

Query Gene	Genetic Interaction - Gene Name	Genetic Interaction - Systematic Name	Score	RSA	Tetrad	Functional Role	Reference
BNI1	PCL1	YNL289W	3		SS	Cell cycle control	Tong, 2001
BNI1	SWE1	YJL187C	0		SS	Cell cycle control	Tong, 2001
BNI1	SWI4	YER111C	0		SL	Cell cycle control	
BNI1	BBC1	YJL020C	2		SS	Cell polarity	Tong, 2001
BNI1	BEM1	YBR200W	3		SL	Cell polarity	Tong, 2001
BNI1	BEM2	YER155C	3		SL	Cell polarity	Tong, 2001
BNI1	BEM4	YPL161C	3		SS	Cell polarity	Tong, 2001
BNI1	BUD6	YLR319C	3		SS	Cell polarity	Tong, 2001
BNI1	CLA4	YNL298W	3		SL	Cell polarity	Tong, 2001
BNI1	ELM1	YKL048C	3		SS	Cell polarity	Tong, 2001
BNI1	GIN4	YDR507C	2		SL	Cell polarity	Tong, 2001
BNI1	NAP1	YKR048C	3		SS	Cell polarity	Tong, 2001
BNI1	NBP2	YDR162C	3		SS	Cell polarity	Tong, 2001
BNI1	SLA1	YBL007C	3		SS	Cell polarity	Tong, 2001
BNI1	ATS1	YAL020C	0		SL	Cell structure	Tong, 2001
BNI1	SAC3	YDR159W	0		SS	Cell structure	
BNI1	YKE2	YLR200W	3		SS	Cell structure	Tong, 2001
BNI1	BCK1	YJL095W	3		SL	Cell wall organization and biogenesis	Tong, 2001
BNI1	CHS3	YBR023C	3		SS	Cell wall organization and biogenesis	Tong, 2001
BNI1	CHS5	YLR330W	3		SS	Cell wall organization and biogenesis	Tong, 2001
BNI1	CHS7	YHR142W	3		SS	Cell wall organization and biogenesis	Tong, 2001
BNI1	SKT5	YBL061C	3		SS	Cell wall organization and biogenesis	Tong, 2001
BNI1	SLT2	YHR030C	3		SL	Cell wall organization and biogenesis	Tong, 2001
BNI1	SMI1	YGR229C	3		SL	Cell wall organization and biogenesis	Tong, 2001
BNI1	BNI4	YNL233W	3		SS	Cytokinesis	Tong, 2001
BNI1	BNR1	YIL159W	3		SL	Cytokinesis	Tong, 2001
BNI1	CYK3	YDL117W	3		SS	Cytokinesis	Tong, 2001
BNI1	SHS1	YDL225W	2		SL	Cytokinesis	Tong, 2001
BNI1	ERG2	YMR202W	0		SS	Lipid metabolism	

BNI1	ERG3	YLR056W	0	SS	Lipid metabolism	
BNI1	FAB1	YFR019W	3	SL	Lipid metabolism	Tong, 2001
BNI1	MDM20	YOL076W	0	SS	Mitochondrion organization and biogenesis	
BNI1	ARP1	YHR129C	3	SL	Mitosis	Tong, 2001
BNI1	ASE1	YOR058C	2	SL	Mitosis	Tong, 2001
BNI1	DYN1	YKR054C	3	SL	Mitosis	Tong, 2001
BNI1	DYN2	YDR424C	3	SS	Mitosis	Tong, 2001
BNI1	JNM1	YMR294W	3	SL	Mitosis	Tong, 2001
BNI1	NIP100	YPL174C	3	SL	Mitosis	Tong, 2001
BNI1	NUM1	YDR150W	3	SL	Mitosis	Tong, 2001
BNI1	PAC1	YOR269W	3	SL	Mitosis	Tong, 2001
BNI1	PAC11	YDR488C	2	SL	Mitosis	Tong, 2001
BNI1	ELP2	YGR200C	3	SL	Pol II transcription	Tong, 2001
BNI1	ELP3	YPL086C	3	SS	Pol II transcription	Tong, 2001
BNI1	ELP4	YPL101W	0	SL	Pol II transcription	
BNI1	ELP6	YMR312W	0	SL	Pol II transcription	
BNI1	UBA4	YHR111W	3	SS	Protein modification	Tong, 2001
BNI1	PIN4	YBL051C	3	SL	RNA processing	Tong, 2001
BNI1	TIP41	YPR040W	0	SS	Signal transduction	
BNI1	KRE24	YPL102C	0	SL	Unknown	
BNI1	MMR1	YLR190W	3	SS	Unknown	Tong, 2001
BNI1	TUS1	YLR425W	3	SS	Unknown	Tong, 2001
BNI1	YBL062W	YBL062W	3	SS	Unknown	Tong, 2001
BNI1	YDR149C	YDR149C	3	SL	Unknown	Tong, 2001
BNI1	YGR228W	YGR228W	0	SL	Unknown	
BNI1	YKR047W	YKR047W	3	SS	Unknown	Tong, 2001
BNI1	YLL049W	YLL049W	0	SS	Unknown	
BNI1	YMR299C	YMR299C	3	SL	Mitosis	Tong, 2001
BNI1	YNL119W	YNL119W	3	SS	Unknown	Tong, 2001
BNI1	YOR322C	YOR322C	0	SS	Unknown	
BNI1	VID22	YLR373C	0	SL	Vacuolar organization and biogenesis	
BNI1	VPS67	YKR020W	0	SS	Vacuolar organization and biogenesis	
BNI1	DRS2	YAL026C	3	SL	Vesicular transport	Tong, 2001
BNI1	SNC2	YOR327C	3	SL	Vesicular transport	Tong, 2001
BNI1	VPS28	YPL065W	3	SL	Vesicular transport	Tong, 2001
BNI1	YPT6	YLR262C	3	SS	Vesicular transport	Tong, 2001
BBC1	CAP1	YKL007W	3	SS	Cell structure	Tong, 2001
BBC1	CAP2	YIL034C	3	SS	Cell structure	Tong, 2001
BBC1	PAC10	YGR078C	3	SS	Cell structure	Tong, 2001
BBC1	GIM3	YNL153C	3	SL	Cell structure	Tong, 2001
BBC1	GIM5	YML094W	3	SL	Cell structure	Tong, 2001
BBC1	SAC6	YDR129C	3	SL	Cell structure	Tong, 2001
BBC1	BEM1	YBR200W	3	SL	Cell polarity	Tong, 2001
BBC1	BEM4	YPL161C	3	SL	Cell polarity	Tong, 2001
BBC1	BNI1	YNL271C	3	SS	Cell polarity	Tong, 2001
BBC1	SLA1	YBL007C	3	SS	Cell polarity	Tong, 2001
BBC1	CHS5	YLR330W	3	SS	Cell wall organization and biogenesis	Tong, 2001
BBC1	RAS2	YNL098C	3	SL	Signal transduction	Tong, 2001
BBC1	ELP2	YGR200C	3	SL	Pol II transcription	Tong, 2001
BBC1	ELP3	YPL086C	0	SS	Pol II transcription	Tong, 2001
BBC1	SDS3	YIL084C	2	SL	Chromatin/chromosome structure	Tong, 2001
BBC1	YLR235C	YLR235C	3	SL	Unknown	Tong, 2001
BBC1	YML095C-A	YML095C-A	2	SL	Unknown	Tong, 2001
NBP2	BIM1	YER016W	3	SL	Mitosis	Tong, 2001
NBP2	CIN2	YPL241C	3	SS	Cell structure	Tong, 2001
NBP2	KAR9	YPL269W	3	SL	Mitosis	Tong, 2001
NBP2	KIP3	YGL216W	3	SL	Mitosis	Tong, 2001
NBP2	PAC10	YGR078C	3	SS	Cell structure	Tong, 2001
NBP2	GIM5	YML094W	3	SL	Cell structure	Tong, 2001
NBP2	CAP1	YKL007W	3	SS	Cell structure	Tong, 2001
NBP2	CAP2	YIL034C	2	SS	Cell structure	Tong, 2001

NBP2	BNI1	YNL271C	3	SS	Cell polarity	Tong, 2001
NBP2	FAB1	YFR019W	3	SL	Lipid metabolism	Tong, 2001
NBP2	SMI1	YGR229C	3	SS	Cell wall organization and biogenesis	Tong, 2001
NBP2	VAM7	YGL212W	3	SS	Vacuolar organization and biogenesis	Tong, 2001
NBP2	VPS29	YHR012W	3	SS	Vesicular transport	Tong, 2001
NBP2	RPL16A	YIL133C	3	SS	Protein synthesis	Tong, 2001
NBP2	RPS18B	YML026C	3	SS	Protein synthesis	Tong, 2001
NBP2	RPS23A	YGR118W	3	SS	Protein synthesis	Tong, 2001
NBP2	CPR6	YLR216C	3	SS	Protein folding	Tong, 2001
NBP2	FPR1	YNL135C	3	SS	Protein folding	Tong, 2001
NBP2	CLB4	YLR210W	3	SS	Cell cycle control	Tong, 2001
NBP2	RTT109	YLL002W	3	SS	DNA repair	Tong, 2001
NBP2	RTG2	YGL252C	2	SS	Carbohydrate metabolism	Tong, 2001
NBP2	RTG3	YBL103C	3	SS	Pol II transcription	Tong, 2001
NBP2	MON1	YGL124C	3	SS	Unknown	Tong, 2001
NBP2	YDL063C	YDL063C	3	SS	Unknown	Tong, 2001
NBP2	YGL211W	YGL211W	2	SS	Unknown	Tong, 2001
NBP2	YGL217C	YGL217C	3	SL	Unknown	Tong, 2001
NBP2	YML095C-A	YML095C-A	0	SL	Unknown	Tong, 2001
BIM1	DEP1	YAL013W	1	SL	Lipid metabolism	
BIM1	RXT2	YBR095C	0	SL	Unknown	Tong, 2001
BIM1	IML3	YBR107C	2	SL	Chromatin/chromosome structure	Tong, 2001
BIM1	BEM1	YBR200W	2	SL	Cell polarity	Tong, 2001
BIM1	AOR1	YBR231C	0	SL	Unknown	Tong, 2001
BIM1	DCC1	YCL016C	2	SL	Chromatin/chromosome structure	Tong, 2001
BIM1	BIK1	YCL029C	2	SL	Mitosis	Tong, 2001
BIM1	MRC1	YCL060C	2	SL	DNA repair	Tong, 2001
BIM1	CYK3	YDL117W	3	SS	Cytokinesis	
BIM1	SHS1	YDL225W	1	SS	Cytokinesis	
BIM1	RAD61	YDR014W	1	SL	Unknown	
BIM1	YDR149C	YDR149C	1	SL	Unknown	Tong, 2001
BIM1	NUM1	YDR150W	0	SL	Mitosis	Tong, 2001
BIM1	SAC3	YDR159W	0	SL	Cell structure	
BIM1	NBP2	YDR162C	2	SS	Cell polarity	Tong, 2001
BIM1	CHL4	YDR254W	2	SL	Chromatin/chromosome structure	Tong, 2001
BIM1	RTT103	YDR289C	0	SS	Unknown	Tong, 2001
BIM1	IPK1	YDR315C	0	SL	Lipid metabolism	
BIM1	MCM21	YDR318W	1	SL	Chromatin/chromosome structure	Tong, 2001
BIM1	MSN5	YDR335W	0	SS	Nuclear-cytoplasmic transport	
BIM1	VID21	YDR359C	0	SL	Unknown	
BIM1	YDR360W	YDR360W	1	SL	Unknown	
BIM1	NKP1	YDR383C	0	SS	Chromatin/chromosome structure	
BIM1	DYN2	YDR424C	1	SL	Mitosis	
BIM1	PAC11	YDR488C	0	SL	Mitosis	Tong, 2001
BIM1	GIM4	YEL003W	1	SL	Cell structure	Tong, 2001
BIM1	CIN8	YEL061C	0	SS	Mitosis	
BIM1	FAB1	YFR019W	0	SL	Lipid metabolism	Tong, 2001
BIM1	MAD1	YGL086W	3	SL	Mitosis	Tong, 2001
BIM1	RAD54	YGL163C	1	SL	DNA repair	Tong, 2001
BIM1	KEM1	YGL173C	1	SL	RNA processing	Tong, 2001
BIM1	YGL211W	YGL211W	1	SS	Unknown	Tong, 2001
BIM1	KIP3	YGL216W	1	SL	Mitosis	Tong, 2001
BIM1	YGL217C	YGL217C	0	SL	Unknown	Tong, 2001
BIM1	PAC10	YGR078C	0	SL	Cell structure	
BIM1	BUB1	YGR188C	0	SL	Mitosis	Tong, 2001
BIM1	ELP2	YGR200C	3	SL	Pol II transcription	Tong, 2001
BIM1	YGR228W	YGR228W	0	SL	Unknown	
BIM1	SMI1	YGR229C	3	SL	Cell wall organization and biogenesis	Tong, 2001
BIM1	YTA7	YGR270W	0	SL	Vacuolar organization and biogenesis	Tong, 2001
BIM1	UBA4	YHR111W	0	SS	Unknown	
BIM1	ARP1	YHR129C	0	SL	Mitosis	Tong, 2001

BIM1	CTF8	YHR191C	0	SL	Chromatin/chromosome structure	Tong, 2001
BIM1	MAD3	YJL013C	3	SL	Mitosis	Tong, 2001
BIM1	MAD2	YJL030W	3	SL	Mitosis	Tong, 2001
BIM1	LSM1	YJL124C	1	SL	RNA turnover	
BIM1	BFA1	YJR053W	2	SL	Mitosis	Tong, 2001
BIM1	MCM22	YJR135C	3	SL	Chromatin/chromosome structure	Tong, 2001
BIM1	ELM1	YKL048C	0	SL	Cell polarity	
BIM1	KTI12	YKL110C	1	SS	Unknown	
BIM1	DYN1	YKR054C	2	SL	Mitosis	Tong, 2001
BIM1	YLL049W	YLL049W	1	SL	Unknown	
BIM1	ARP6	YLR085C	0	SS	Cell structure	Tong, 2001
BIM1	MMR1	YLR190W	0	SS	Unknown	
BIM1	YKE2	YLR200W	0	SL	Cell structure	
BIM1	YPT6	YLR262C	0	SS	Vesicular transport	
BIM1	NKP2	YLR315W	0	SS	Chromatin/chromosome structure	
BIM1	VID22	YLR373C	0	SL	Vacuolar organization and biogenesis	Tong, 2001
BIM1	CTF3	YLR381W	3	SL	Chromatin/chromosome structure	Tong, 2001
BIM1	IKI3	YLR384C	1	SS	Pol II transcription	
BIM1	VAC14	YLR386W	0	SL	Vacuolar organization and biogenesis	Tong, 2001
BIM1	PPZ1	YML016C	0	SL	Signal transduction	Tong, 2001
BIM1	RAD52	YML032C	0	SS	DNA repair	
BIM1	YML094C-A	YML094C-A	0	SL	Unknown	Tong, 2001
BIM1	GIM5	YML094W	1	SL	Cell structure	Tong, 2001
BIM1	TUB3	YML124C	0	SL	Cell structure	
BIM1	CSM3	YMR048W	1	SL	Meiosis	Tong, 2001
BIM1	BUB2	YMR055C	3	SL	Mitosis	Tong, 2001
BIM1	CTF18	YMR078C	0	SL	Chromatin/chromosome structure	
BIM1	MRE11	YMR224C	0	SL	DNA repair	
BIM1	SAP30	YMR263W	0	SL	Chromatin/chromosome structure	Tong, 2001
BIM1	JNM1	YMR294W	2	SL	Mitosis	Tong, 2001
BIM1	YMR299C	YMR299C	1	SL	Mitosis	
BIM1	ELP6	YMR312W	1	SL	Pol II transcription	
BIM1	PHO23	YNL097C	0	SL	Phosphate metabolism	Tong, 2001
BIM1	INP52	YNL106C	1	SL	Lipid metabolism	Tong, 2001
BIM1	YNL136W	YNL136W	1	SS	Unknown	
BIM1	GIM3	YNL153C	2	SL	Cell structure	Tong, 2001
BIM1	YNL170W	YNL170W	2	SL	Unknown	Tong, 2001
BIM1	YNL201C	YNL201C	1	SS	Carbohydrate metabolism	
BIM1	IES2	YNL215W	0	SS	Unknown	Tong, 2001
BIM1	TOF1	YNL273W	3	SL	DNA repair	
BIM1	CLA4	YNL298W	2	SL	Cell polarity	
BIM1	MCK1	YNL307C	0	SL	Meiosis	Tong, 2001
BIM1	BRE5	YNR051C	0	SL	Unknown	
BIM1	HTZ1	YOL012C	0	SL	Chromatin/chromosome structure	
BIM1	BUB3	YOR026W	0	SL	Mitosis	Tong, 2001
BIM1	ASE1	YOR058C	1	SL	Mitosis	Tong, 2001
BIM1	SLK19	YOR195W	3	SL	Chromatin/chromosome structure	Tong, 2001
BIM1	PAC1	YOR269W	2	SL	Mitosis	Tong, 2001
BIM1	CIN1	YOR349W	0	SL	Cell structure	
BIM1	CHL1	YPL008W	2	SL	Chromatin/chromosome structure	
BIM1	YPL017C	YPL017C	3	SL	Unknown	Tong, 2001
BIM1	CTF19	YPL018W	3	SL	Chromatin/chromosome structure	Tong, 2001
BIM1	ELP3	YPL086C	2	SS	Pol II transcription	
BIM1	ELP4	YPL101W	2	SL	Pol II transcription	
BIM1	KRE24	YPL102C	2	SL	Unknown	
BIM1	KIP2	YPL155C	2	SL	Mitosis	
BIM1	NIP100	YPL174C	1	SL	Mitosis	
BIM1	MCM16	YPR046W	3	SL	Chromatin/chromosome structure	
BIM1	CTF4	YPR135W	0	SL	Chromatin/chromosome structure	
BIM1	MMS1	YPR164W	0	SL	DNA repair	
ARC40	BCK1	YJL095W	2	SL	Cell wall organization and biogenesis	Tong, 2001

ARC40	BNI4	YNL233W	3	SS	Cytokinesis	Tong, 2001
ARC40	CHS3	YBR023C	3	SL	Cell wall organization and biogenesis	Tong, 2001
ARC40	SKT5	YBL061C	3	SS	Cell wall organization and biogenesis	Tong, 2001
ARC40	CHS5	YLR330W	3	SS	Cell wall organization and biogenesis	Tong, 2001
ARC40	CHS6	YJL099W	0	SL	Cell wall organization and biogenesis	Tong, 2001
ARC40	CHS7	YHR142W	3	SS	Cell wall organization and biogenesis	Tong, 2001
ARC40	HOC1	YJR075W	2	SL	Cell wall organization and biogenesis	Tong, 2001
ARC40	KRE1	YNL322C	3	SL	Cell wall organization and biogenesis	Tong, 2001
ARC40	SLT2	YHR030C	3	SL	Cell wall organization and biogenesis	Tong, 2001
ARC40	SPF1	YEL031W	3	SS	Small molecule transport	Tong, 2001
ARC40	RMD7	YER083C	0	SS	Cell wall organization and biogenesis	Tong, 2001
ARC40	ARC18	YLR370C	0	SL	Cell polarity	Tong, 2001
ARC40	BEM1	YBR200W	3	SL	Cell polarity	Tong, 2001
ARC40	BEM2	YER155C	3	SL	Cell polarity	Tong, 2001
ARC40	CLA4	YNL298W	3	SL	Cell polarity	Tong, 2001
ARC40	MYO5	YMR109W	2	SS	Cell polarity	Tong, 2001
ARC40	PEA2	YER149C	0	SS	Cell polarity	Tong, 2001
ARC40	VRP1	YLR337C	3	SL	Cell polarity	Tong, 2001
ARC40	YKE2	YLR200W	3	SS	Cell structure	Tong, 2001
ARC40	GIM3	YNL153C	3	SL	Cell structure	Tong, 2001
ARC40	GIM4	YEL003W	3	SL	Cell structure	Tong, 2001
ARC40	SAC6	YDR129C	3	SL	Cell structure	Tong, 2001
ARC40	GLO3	YER122C	3	SL	Vesicular transport	Tong, 2001
ARC40	SAP155	YFR040W	3	SS	Cell cycle control	Tong, 2001
ARC40	SEC66	YBR171W	2	SL	Vesicular transport	Tong, 2001
ARC40	ILM1	YJR118C	2	SL	Energy generation	Tong, 2001
ARC40	MNN11	YJL183W	3	SL	Protein modification	Tong, 2001
ARC40	STE24	YJR117W	3	SS	Protein modification	Tong, 2001
ARC40	CIK1	YMR198W	0	SS	Mitosis	Tong, 2001
ARC40	RIM101	YHL027W	3	SS	Meiosis	Tong, 2001
ARC40	RUD3	YOR216C	3	SL	Vesicular transport	Tong, 2001
ARC40	SEC22	YLR268W	3	SL	Vesicular transport	Tong, 2001
ARC40	TFP3	YPL234C	2	SL	Vacuolar organization and biogenesis	Tong, 2001
ARC40	CPR7	YJR032W	3	SS	Protein folding	Tong, 2001
ARC40	SHE4	YOR035C	3	SL	Differentiation	Tong, 2001
ARC40	SUM1	YDR310C	2	SS	Chromatin/chromosome structure	Tong, 2001
ARC40	YBL062W	YBL062W	0	SS	Unknown	Tong, 2001
ARC40	YLR111W	YLR111W	2	SS	Unknown	Tong, 2001
ARP2	BCK1	YJL095W	3	SL	Cell wall organization and biogenesis	Tong, 2001
ARP2	BNI4	YNL233W	3	SS	Cytokinesis	Tong, 2001
ARP2	CHS3	YBR023C	3	SL	Cell wall organization and biogenesis	Tong, 2001
ARP2	SKT5	YBL061C	3	SS	Cell wall organization and biogenesis	Tong, 2001
ARP2	CHS5	YLR330W	0	SS	Cell wall organization and biogenesis	Tong, 2001
ARP2	CHS6	YJL099W	3	SL	Cell wall organization and biogenesis	Tong, 2001
ARP2	CHS7	YHR142W	3	SS	Cell wall organization and biogenesis	Tong, 2001
ARP2	HOC1	YJR075W	0	SL	Cell wall organization and biogenesis	Tong, 2001
ARP2	KRE1	YNL322C	3	SL	Cell wall organization and biogenesis	Tong, 2001
ARP2	SLT2	YHR030C	3	SL	Cell wall organization and biogenesis	Tong, 2001
ARP2	SPF1	YEL031W	3	SS	Small molecule transport	Tong, 2001
ARP2	RMD7	YER083C	3	SL	Cell wall organization and biogenesis	Tong, 2001
ARP2	BEM1	YBR200W	2	SL	Cell polarity	Tong, 2001
ARP2	BEM2	YER155C	3	SL	Cell polarity	Tong, 2001
ARP2	CLA4	YNL298W	3	SL	Cell polarity	Tong, 2001
ARP2	PEA2	YER149C	3	SS	Cell polarity	Tong, 2001
ARP2	PRK1	YIL095W	2	SS	Cell polarity	Tong, 2001
ARP2	RGD1	YBR260C	2	SS	Cell polarity	Tong, 2001
ARP2	RVS161	YCR009C	3	SL	Cell polarity	Tong, 2001
ARP2	RVS167	YDR388W	2	SS	Cell polarity	Tong, 2001
ARP2	VRP1	YLR337C	2	SL	Cell polarity	Tong, 2001
ARP2	YKE2	YLR200W	2	SS	Cell structure	Tong, 2001
ARP2	PAC10	YGR078C	0	SS	Cell structure	Tong, 2001

ARP2	GIM3	YNL153C	3	SL	Cell structure	Tong, 2001
ARP2	GIM4	YEL003W	3	SL	Cell structure	Tong, 2001
ARP2	SAC6	YDR129C	0	SL	Cell structure	Tong, 2001
ARP2	SAC7	YDR389W	0	SS	Cell structure	Tong, 2001
ARP2	ILM1	YJR118C	3	SL	Energy generation	Tong, 2001
ARP2	SAP155	YFR040W	0	SS	Cell cycle control	Tong, 2001
ARP2	SEC66	YBR171W	3	SL	Vesicular transport	Tong, 2001
ARP2	MNN11	YJL183W	3	SL	Protein modification	Tong, 2001
ARP2	STE24	YJR117W	3	SS	Protein modification	Tong, 2001
ARP2	BTS1	YPL069C	3	SL	Protein modification	Tong, 2001
ARP2	RUD3	YOR216C	0	SL	Vesicular transport	Tong, 2001
ARP2	CPR7	YJR032W	3	SS	Protein folding	Tong, 2001
ARP2	SHE4	YOR035C	3	SL	Differentiation	Tong, 2001
ARP2	SUM1	YDR310C	3	SS	Chromatin/chromosome structure	Tong, 2001
ARP2	SRO9	YCL037C	0	SL	Protein synthesis	Tong, 2001
ARP2	UTH1	YKR042W	0	SS	Aging	Tong, 2001
ARP2	DEP1	YAL013W	2	SL	Lipid metabolism	Tong, 2001
ARP2	YBL062W	YBL062W	3	SS	Unknown	Tong, 2001
ARP2	YDR018C	YDR018C	0	SL	Unknown	Tong, 2001
ARP2	YGL250W	YGL250W	3	SS	Unknown	Tong, 2001
ARP2	YLR111W	YLR111W	3	SS	Unknown	Tong, 2001
SGS1	MMS4	YBR098W	3	SL	DNA repair	Tong, 2001
SGS1	MUS81	YDR386W	3	SL	DNA repair	Tong, 2001
SGS1	SAE2	YGL175C	3	SL	DNA repair	Tong, 2001
SGS1	RAD50	YNL250W	3	SL	DNA repair	Tong, 2001
SGS1	HPR5	YJL092W	3	SL	DNA repair	Tong, 2001
SGS1	ASF1	YJL115W	3	SS	Chromatin/chromosome structure	Tong, 2001
SGS1	RAD27	YKL113C	2	SL	DNA repair	Tong, 2001
SGS1	SLX1	YBR228W	3	SL	DNA repair	Tong, 2001
SGS1	SLX4	YLR135W	2	SL	DNA repair	Tong, 2001
SGS1	WSS1	YHR134W	3	SL	DNA repair	Tong, 2001
SGS1	POL32	YJR043C	3	SL	DNA replication	Tong, 2001
SGS1	RNR1	YER070W	0	SL	DNA replication	Tong, 2001
SGS1	RRM3	YHR031C	3	SL	DNA replication	Tong, 2001
SGS1	MGS1	YNL218W	3	SS	DNA replication	Tong, 2001
SGS1	CSM3	YMR048W	2	SL	Meiosis	Tong, 2001
SGS1	ESC2	YDR363W	0	SS	Chromatin/chromosome structure	Tong, 2001
SGS1	RTT107	YHR154W	3	SS	Chromatin/chromosome structure	Tong, 2001
SGS1	TOP1	YOL006C	0	SS	Chromatin/chromosome structure	Tong, 2001
SGS1	SWE1	YJL187C	0	SS	Cell cycle control	Tong, 2001
SGS1	PUB1	YNL016W	2	SS	RNA processing	Tong, 2001
SGS1	RPL24A	YGL031C	3	SS	Protein synthesis	Tong, 2001
SGS1	SIS2	YKR072C	2	SS	Cell stress	Tong, 2001
SGS1	SOD1	YJR104C	3	SL	Cell stress	Tong, 2001
SGS1	YBR094W	YBR094W	3	SL	Unknown	Tong, 2001
SGS1	CTF18	YMR078C	0	SL	Chromatin/chromosome structure	
RAD27	MMS4	YBR098W	0	SS	DNA repair	Tong, 2001
RAD27	MUS81	YDR386W	3	SL	DNA repair	Tong, 2001
RAD27	SAE2	YGL175C	3	SL	DNA repair	Tong, 2001
RAD27	RAD50	YNL250W	0	SL	DNA repair	Tong, 2001
RAD27	HPR5	YJL092W	3	SL	DNA repair	Tong, 2001
RAD27	DDC1	YPL194W	3	SS	DNA repair	Tong, 2001
RAD27	CAC2	YML102W	3	SS	Chromatin/chromosome structure	Tong, 2001
RAD27	EXO1	YOR033C	3	SS	DNA repair	Tong, 2001
RAD27	MRE11	YMR224C	0	SL	DNA repair	Tong, 2001
RAD27	RAD9	YDR217C	3	SL	DNA repair	Tong, 2001
RAD27	RAD17	YOR368W	3	SS	DNA repair	Tong, 2001
RAD27	RAD24	YER173W	3	SS	DNA repair	Tong, 2001
RAD27	RAD51	YER095W	3	SL	DNA repair	Tong, 2001
RAD27	RAD52	YML032C	3	SL	DNA repair	Tong, 2001
RAD27	RAD54	YGL163C	0	SL	DNA repair	Tong, 2001

RAD27	RAD55	YDR076W	3	SL	DNA repair	Tong, 2001
RAD27	RAD57	YDR004W	3	SL	DNA repair	Tong, 2001
RAD27	SGS1	YMR190C	0	SL	DNA repair	Tong, 2001
RAD27	XRS2	YDR369C	3	SL	DNA repair	Tong, 2001
RAD27	CTF4	YPR135W	0	SS	Chromatin/chromosome structure	Tong, 2001
RAD27	RPL27A	YHR010W	3	SL	Protein synthesis	Tong, 2001
RAD27	RPS30B	YOR182C	0	SS	Protein synthesis	Tong, 2001
RAD27	DOC1	YGL240W	0	SL	Cell cycle control	Tong, 2001
RAD27	ESC2	YDR363W	0	SS	Chromatin/chromosome structure	Tong, 2001
RAD27	HST1	YOL068C	0	SS	Chromatin/chromosome structure	Tong, 2001
RAD27	HPC2	YBR215W	0	SS	Pol II transcription	Tong, 2001
RAD27	CSM3	YMR048W	3	SL	Meiosis	Tong, 2001
RAD27	LYS7	YMR038C	0	SL	Amino-acid metabolism	Tong, 2001
RAD27	SIS2	YKR072C	3	SS	Cell stress	Tong, 2001
RAD27	SOD1	YJR104C	3	SL	Cell stress	Tong, 2001
RAD27	YDJ1	YNL064C	0	SL	Mitochondrion organization and biogenesis	Tong, 2001
RAD27	HST3	YOR025W	3	SS	Chromatin/chromosome structure	Tong, 2001
RAD27	FYV11	YFL023W	3	SL	Unknown	Tong, 2001
RAD27	YLR352W	YLR352W	0	SS	Unknown	Tong, 2001
RAD27	YNL171C	YNL171C	0	SL	Unknown	Tong, 2001
RAD27	YPR116W	YPR116W	0	SL	Unknown	Tong, 2001
RAD27	CTF18	YMR078C	0	SS	Chromatin/chromosome structure	
CLA4	EDE1	YBL047C	3	SL	Vesicular transport	Goehring, 2003
CLA4	SKT5	YBL061C	3	SL	Cell wall organization and biogenesis	Goehring, 2003
CLA4	YBL062W	YBL062W	3	SL	Unknown	Goehring, 2003
CLA4	RPL23A	YBL087C	3	SS	Protein synthesis	Goehring, 2003
CLA4	CHS3	YBR023C	3	SL	Cell wall organization and biogenesis	Goehring, 2003
CLA4	RPL19A	YBR084C-A	3	SL	Protein synthesis	Goehring, 2003
CLA4	RXT2	YBR095C	3	SL	Unknown	Goehring, 2003
CLA4	YBR174C	YBR174C	2	SL	Unknown	Goehring, 2003
CLA4	SWD3	YBR175W	3	SL	Chromatin/chromosome structure	Goehring, 2003
CLA4	BEM1	YBR200W	2	SL	Cell polarity	Goehring, 2003
CLA4	DCC1	YCL016C	3	SL	Chromatin/chromosome structure	Goehring, 2003
CLA4	RPL35A	YDL191W	3	SL	Protein synthesis	Goehring, 2003
CLA4	SHS1	YDL225W	0	SL	Cytokinesis	Goehring, 2003
CLA4	SEM1	YDR363W-A	3	SL	Vesicular transport	Goehring, 2003
CLA4	DYN2	YDR424C	2	SS	Mitosis	Goehring, 2003
CLA4	SWI4	YER111C	3	SL	Cell cycle control	Goehring, 2003
CLA4	PEA2	YER149C	3	SS	Cell polarity	Goehring, 2003
CLA4	BEM2	YER155C	3	SL	Cell polarity	Goehring, 2003
CLA4	FAB1	YFR019W	3	SL	Lipid metabolism	Goehring, 2003
CLA4	RPL24A	YGL031C	2	SL	Protein synthesis	Goehring, 2003
CLA4	SSF73	YGL066W	3	SL	Pol II transcription	Goehring, 2003
CLA4	ITC1	YGL133W	3	SL	Chromatin/chromosome structure	Goehring, 2003
CLA4	RAD54	YGL163C	3	SS	DNA repair	Goehring, 2003
CLA4	PRE9	YGR135W	3	SL	Protein degradation	Goehring, 2003
CLA4	ELP2	YGR200C	3	SS	Pol II transcription	Goehring, 2003
CLA4	SMI1	YGR229C	3	SL	Cell wall organization and biogenesis	Goehring, 2003
CLA4	STE20	YHL007C	3	SL	Mating response	Goehring, 2003
CLA4	SLT2	YHR030C	3	SL	Cell wall organization and biogenesis	Goehring, 2003
CLA4	UBA4	YHR111W	0	SS	Unknown	Goehring, 2003
CLA4	CHS7	YHR142W	3	SL	Cell wall organization and biogenesis	Goehring, 2003
CLA4	SPO12	YHR152W	3	SL	Meiosis	Goehring, 2003
CLA4	CTF8	YHR191C	3	SL	Chromatin/chromosome structure	Goehring, 2003
CLA4	RPN10	YHR200W	3	SL	Pol II transcription	Goehring, 2003
CLA4	HOS4	YIL112W	3	SL	Chromatin/chromosome structure	Goehring, 2003
CLA4	MGA2	YIR033W	3	SL	Chromatin/chromosome structure	Goehring, 2003
CLA4	RTT101	YJL047C	2	SS	Protein modification	Goehring, 2003
CLA4	BCK1	YJL095W	3	SL	Cell wall organization and biogenesis	Goehring, 2003
CLA4	CHS6	YJL099W	3	SL	Cell wall organization and biogenesis	Goehring, 2003
CLA4	ASF1	YJL115W	3	SL	Chromatin/chromosome structure	Goehring, 2003

CLA4	RPS21B	YJL136C	3		SL	Protein synthesis	Goehring, 2003
CLA4	IXR1	YKL032C	3		SS	DNA repair	Goehring, 2003
CLA4	SPA2	YLL021W	3		SL	Cell polarity	Goehring, 2003
CLA4	APC9	YLR102C	3		SL	Cell cycle control	Goehring, 2003
CLA4	BUD6	YLR319C	3		SL	Cell polarity	Goehring, 2003
CLA4	CHS5	YLR330W	3		SL	Cell wall organization and biogenesis	Goehring, 2003
CLA4	VAC14	YLR386W	3		SL	Vacuolar organization and biogenesis	Goehring, 2003
CLA4	GIM5	YML094W	3		SL	Cell structure	Goehring, 2003
CLA4	YML095C-A	YML095C-A	3		SL	Unknown	Goehring, 2003
CLA4	CTF18	YMR078C	0	SL		Chromatin/chromosome structure	Goehring, 2003
CLA4	UBP8	YMR223W	3		SL	Protein modification	Goehring, 2003
CLA4	SAP30	YMR263W	3		SL	Chromatin/chromosome structure	Goehring, 2003
CLA4	ELP6	YMR312W	2		SS	Pol II transcription	Goehring, 2003
CLA4	FKH2	YNL068C	2		SS	Pol II transcription	Goehring, 2003
CLA4	GIM3	YNL153C	2		SL	Cell structure	Goehring, 2003
CLA4	RTT106	YNL206C	2		SS	Unknown	Goehring, 2003
CLA4	URE2	YNL229C	3		SL	Amino-acid metabolism	Goehring, 2003
CLA4	BNI1	YNL271C	3		SL	Cell polarity	Goehring, 2003
CLA4	SLK19	YOR195W	3		SL	Chromatin/chromosome structure	Goehring, 2003
CLA4	RIM20	YOR275C	3		SL	Cell stress	Goehring, 2003
CLA4	YPL047W	YPL047W	3		SL	Unknown	Goehring, 2003
CLA4	BEM4	YPL161C	3		SL	Cell polarity	Goehring, 2003
CLA4	NIP100	YPL174C	3		SL	Mitosis	Goehring, 2003
CLA4	CTF4	YPR135W	3		SL	Chromatin/chromosome structure	Goehring, 2003
SHS1	CYK3	YDL117W	3		SL	Cytokinesis	
SHS1	SWI4	YER111C	3		SL	Cell cycle control	
SHS1	BEM2	YER155C	3		SL	Cell polarity	
SHS1	BNI4	YNL233W	3		SS	Cytokinesis	
SHS1	BNI1	YNL271C	3		SL	Cell polarity	
SHS1	CLA4	YNL298W	3		SL	Cell polarity	
SMY1	DRS2	YAL026C	0	SS		Vesicular transport	
SMY1	SLA1	YBL007C	2	SS		Cell polarity	
SMY1	SKT5	YBL061C	3		SS	Cell wall organization and biogenesis	
SMY1	CHS3	YBR023C	3		SS	Cell wall organization and biogenesis	
SMY1	BEM1	YBR200W	1	SL		Cell polarity	
SMY1	SHS1	YDL225W	1	SS		Cytokinesis	
SMY1	SWI4	YER111C	1	SS		Cell cycle control	
SMY1	BEM2	YER155C	3	SL		Cell polarity	
SMY1	BUB1	YGR188C	3		SL	Mitosis	
SMY1	CHS7	YHR142W	0		SS	Cell wall organization and biogenesis	
SMY1	BNI4	YNL233W	0	SS		Cytokinesis	
SMY1	CLA4	YNL298W	2	SL		Cell polarity	
SLT2	EDE1	YBL047c	3		SL	Vesicular transport	
SLT2	CHS3	YBR023C	3		SL	Cell wall organization and biogenesis	
SLT2	ECM33	YBR078W	3		SL	Cell wall organization and biogenesis	
SLT2	SEC66	YBR171W	3		SL	Vesicular transport	
SLT2	ROT2	YBR229C	3		SS	Cell wall organization and biogenesis	
SLT2	SWI5	YDR146C	3		SS	Pol II transcription	
SLT2	MNN10	YDR245W	3		SL	Protein modification	
SLT2	YPS7	YDR349C	3		SL	Protein degradation	
SLT2	ERD1	YDR414c	3		SL	Protein modification	
SLT2	SWI4	YER111C	3		SL	Cell cycle control	
SLT2	BEM2	YER155C	3		SL	Cell polarity	
SLT2	CWH41	YGL027C	3		SL	Cell wall organization and biogenesis	
SLT2	RIM8	YGL045W	3		SL	Unknown	
SLT2	HUR1	YGL168W	3		SS	Unknown	
SLT2	KRE11	YGR166W	3		SL	Cell wall organization and biogenesis	
SLT2	SMI1	YGR229C	3		SL	Cell wall organization and biogenesis	
SLT2	GCN5	YGR252W	3		SS	Pol II transcription	
SLT2	GGA2	YHR108w	3		SS	Vesicular transport	
SLT2	YUR1	YJL139C	3		SL	Cell wall organization and biogenesis	

SLT2	HOC1	YJR075W	3		SL	Cell wall organization and biogenesis	
SLT2	YKL037W	YKL037W	3		SL	Unknown	
SLT2	FPS1	YLL043W	3		SL	Transport	
SLT2	CHS5	YLR330W	3		SL	Cell wall organization and biogenesis	
SLT2	FKS1	YLR342W	3		SL	Cell wall organization and biogenesis	
SLT2	RIM13	YMR154C	3		SS	Meiosis	
SLT2	TPM1	YNL079C	3		SL	Cell structure	
SLT2	BNI4	YNL233W	3		SL	Cytokinesis	
SLT2	BNI1	YNL271C	3		SS	Cell polarity	
SLT2	CLA4	YNL298W	3		SS	Cell polarity	
SLT2	IRA2	YOL081W	3		SL	Signal transduction	
SLT2	RIM20	YOR275C	3		SL	Cell stress	
SLT2	YPL158C	YPL158C	3		SS	Unknown	
BNI4	EDE1	YBL047C	1		SS	Vesicular transport	
BNI4	RGD1	YBR260C	1	SS	SS	Cell polarity	
BNI4	RVS161	YCR009C	0		SS	Cell polarity	
BNI4	CYK3	YDL117W	0		SL	Cytokinesis	
BNI4	SHS1	YDL225W	0		SS	Cytokinesis	
BNI4	NBP2	YDR162C	2		SS	Cell polarity	
BNI4	RVS167	YDR388W	0		SL	Cell polarity	
BNI4	SMI1	YGR229C	3	SL		Cell wall organization and biogenesis	
BNI4	SLT2	YHR030C	2	SL		Cell wall organization and biogenesis	
BNI4	BCK1	YJL095W	2		SL	Cell wall organization and biogenesis	
BNI4	ILM1	YJR118C	3	SL		Energy generation	
BNI4	IXR1	YKL032C	2		SS	DNA repair	
BNI4	SPA2	YLL021W	2		SS	Cell polarity	
BNI4	VRP1	YLR337C	2		SL	Cell polarity	
BNI4	FKS1	YLR342W	2		SL	Cell wall organization and biogenesis	
BNI4	VAN1	YML115C	1		SL	Protein modification	
BNI4	BNI1	YNL271C	2	SS		Cell polarity	
BNI4	BRE5	YNR051C	2		SS	Unknown	
BNI4	YPL066W	YPL066W	0		SS	Unknown	
PHO85	SPT7	YBR081C	3		SL	Chromatin/chromosome stucture	Huang, 2003
PHO85	BEM1	YBR200W	3		SL	Cell polarity	Huang, 2003
PHO85	RGD1	YBR260C	3		SL	Cell polarity	Huang, 2003
PHO85	SRB8	YCR081W	3		SL	Pol II transcription	Huang, 2003
PHO85	BRE1	YDL074C	3		SL	Chromatin/chromosome stucture	Huang, 2003
PHO85	NUM1	YDR150W	3		SL	Mitosis	Huang, 2003
PHO85	UME6	YDR207C	3		SL	Meiosis	Huang, 2003
PHO85	MNN10	YDR245W	3		SL	Protein modification	Huang, 2003
PHO85	ERD1	YDR414C	3		SL	Protein modification	Huang, 2003
PHO85	SSN2	YDR443C	3		SL	Pol II transcription	Huang, 2003
PHO85	NHX1	YDR456W	3		SL	Transport	Huang, 2003
PHO85	ANP1	YEL036C	3		SL	Protein modification	Huang, 2003
PHO85	YER049W	YER049W	3		SL	Chromatin/chromosome stucture	Huang, 2003
PHO85	SHC1	YER096W	3		SL	Meiosis	Huang, 2003
PHO85	SWI4	YER111C	3		SL	Cell cycle control	Huang, 2003
PHO85	BEM2	YER155C	3		SL	Cell polarity	Huang, 2003
PHO85	YGL015C	YGL015C	3		SL	Unknown	Huang, 2003
PHO85	PMR1	YGL167C	3		SL	Small molecule transport	Huang, 2003
PHO85	PAC10	YGR078C	3		SL	Cell structure	Huang, 2003
PHO85	SRB5	YGR104C	3		SL	Pol II transcription	Huang, 2003
PHO85	CHO2	YGR157W	3		SL	Lipid metabolism	Huang, 2003
PHO85	YGR161C	YGR161C	3		SL	Unknown	Huang, 2003
PHO85	WSC4	YHL028W	3		SL	Cell wall organization and biogenesis	Huang, 2003
PHO85	VPS29	YHR012W	3		SL	Vesicular transport	Huang, 2003
PHO85	SLT2	YHR030C	3		SL	Cell wall organization and biogenesis	Huang, 2003
PHO85	PAN5	YHR063C	3		SL	Unknown	Huang, 2003
PHO85	BCK1	YJL095W	3		SL	Cell wall organization and biogenesis	Huang, 2003
PHO85	GSH1	YJL101C	3		SL	Other metabolism	Huang, 2003
PHO85	VPS35	YJL154C	3		SL	Vesicular transport	Huang, 2003

PHO85	OPI3	YJR073C	3		SL	Lipid metabolism	Huang, 2003
PHO85	HOC1	YJR075W	3		SL	Cell wall organization and biogenesis	Huang, 2003
PHO85	YJR142W	YJR142W	3		SL	Unknown	Huang, 2003
PHO85	YKE2	YLR200W	3		SL	Cell structure	Huang, 2003
PHO85	FKS1	YLR342W	3		SL	Cell wall organization and biogenesis	Huang, 2003
PHO85	VPS38	YLR360W	3		SL	Vesicular transport	Huang, 2003
PHO85	ROM2	YLR371W	3		SL	Cell wall organization and biogenesis	Huang, 2003
PHO85	SUR4	YLR372W	3		SL	Lipid metabolism	Huang, 2003
PHO85	TUS1	YLR425W	3		SL	Unknown	Huang, 2003
PHO85	VAN1	YML115C	3		SL	Protein modification	Huang, 2003
PHO85	YML122C	YML122C	3		SL	Unknown	Huang, 2003
PHO85	EFR3	YMR212C	3		SL	Other metabolism	Huang, 2003
PHO85	FKS3	YMR306W	3		SL	Cell wall organization and biogenesis	Huang, 2003
PHO85	TPM1	YNL079C	3		SL	Cell structure	Huang, 2003
PHO85	GCR2	YNL199C	3		SL	Pol II Transcription	Huang, 2003
PHO85	BNI1	YNL271C	3		SL	Cell polarity	Huang, 2003
PHO85	CLA4	YNL298W	3		SL	Cell polarity	Huang, 2003
PHO85	LEM3	YNL323W	3		SL	Signal transduction	Huang, 2003
PHO85	TAT2	YOL020W	3		SL	Transport	Huang, 2003
PHO85	MCH4	YOL119C	3		SL	Transport	Huang, 2003
PHO85	SMF1	YOL122C	3		SL	Small molecule transport	Huang, 2003
PHO85	SLG1	YOR008C	3		SL	Cell wall organization and biogenesis	Huang, 2003
PHO85	RTS1	YOR014W	3		SL	Cell stress	Huang, 2003
PHO85	VAM3	YOR106W	3		SL	Vesicular transport	Huang, 2003
PHO85	SFL1	YOR140W	3		SL	Pol II transcription	Huang, 2003
PHO85	GCR1	YPL075W	3		SL	Glycogen metabolism	Huang, 2003
PHO85	BEM4	YPL161C	3		SL	Cell polarity	Huang, 2003
PHO85	VIK1	YPL253C	3		SL	Mitosis	Huang, 2003
PHO85	HFI1	YPL254W	3		SL	Pol II transcription	Huang, 2003
ARL3	VAM6	YDL077C	1		SS	Vesicular transport	
ARL3	ARF1	YDL192W	1	SS		Transport	
ARL3	GSS1	YDR108W	3	SL		Vesicular transport	
ARL3	VPS61	YDR136C	3	SL		Vesicular transport	
ARL3	RGP1	YDR137W	3	SL		Vesicular transport	
ARL3	SUM1	YDR310C	0		SS	Chromatin/chromosome structure	
ARL3	SWA2	YDR320C	1	SS		Vesicular transport	
ARL3	GDA1	YEL042W	0		SL	Protein modification	
ARL3	GLO3	YER122C	3		SL	Vesicular transport	
ARL3	COG7	YGL005C	3	SL		Vesicular transport	
ARL3	SWF3	YGL020C	2		SL	Unknown	
ARL3	GOS1	YHL031C	3	SS		Vesicular transport	
ARL3	CPR7	YJR032W	2		SL	Protein folding	
ARL3	YKL118W	YKL118W	1		SS	Unknown	
ARL3	VPS67	YKR020W	3	SL		Vacuolar organization and biogenesis	
ARL3	RIC1	YLR039C	2	SL		Vesicular transport	
ARL3	VPS63	YLR261C	3	SL		Vacuolar organization and biogenesis	
ARL3	YPT6	YLR262C	3	SL		Vesicular transport	
ARL3	COG8	YML071C	3	SS		Vesicular transport	
ARL3	COG6	YNL041C	3		SL	Vesicular transport	
ARL3	COG5	YNL051W	3		SL	Vesicular transport	
ARL3	MON2	YNL297C	0	SS		Vacuolar organization and biogenesis	
ARL3	TLG2	YOL018C	0		SS	Vesicular transport	
ARL3	VAM10	YOR068C	3		SS	Vacuolar organization and biogenesis	
ARL3	VPS5	YOR069W	3		SS	Vesicular transport	
ARL3	GYP1	YOR070C	3	SL		Vesicular transport	
ARL3	VAM3	YOR106W	1		SS	Vesicular transport	
ARL3	VPS17	YOR132W	1	SL		Vesicular transport	
GYP1	CSS2	YBR036C	1	SS		Small molecule transport	
GYP1	VMA2	YBR127C	1		SL	Vacuole organization and biogenesis	
GYP1	ARL1	YBR164C	1	SL		Vesicular transport	
GYP1	VPS61	YDR136C	1	SL		Vesicular transport	

GYP1	NBP2	YDR162C	1	SS		Cell polarity
GYP1	SUM1	YDR310C	1		SS	Chromatin/chromosome structure
GYP1	ERD1	YDR414C	1		SS	Protein modification
GYP1	RMD7	YER083C	1		SL	Cell wall organization and biogenesis
GYP1	COG7	YGL005C	1	SL		Vesicular transport
GYP1	CHO2	YGR157W	1		SS	Lipid metabolism
GYP1	GOS1	YHL031C	1	SL		Vesicular transport
GYP1	SYS1	YJL004C	1	SL		Protein translocation
GYP1	MNN11	YJL183W	1	SS		Protein modification
GYP1	CPR7	YJR032W	1	SL		Protein folding
GYP1	CBF1	YJR060W	1	SL		Chromatin/chromosome structure
GYP1	RIC1	YLR039C	1	SL		Vesicular transport
GYP1	VPS63	YLR261C	1	SL		Vacuolar organization and biogenesis
GYP1	YPT6	YLR262C	1	SL		Vesicular transport
GYP1	SEC22	YLR268W	1	SS		Vesicular transport
GYP1	COG8	YML071C	1	SL		Vesicular transport
GYP1	SCS7	YMR272C	1	SS		Lipid metabolism
GYP1	COG6	YNL041C	1	SL		Vesicular transport
GYP1	COG5	YNL051W	1		SL	Vesicular transport
GYP1	RUD3	YOR216C	1	SS		Vesicular transport
GYP1	ARL3	YPL051W	1	SL		Vesicular transport
GYP1	LGE1	YPL055C	1	SS		Cell cycle control
GYP1	SUR1	YPL057C	1	SS		Lipid metabolism
GYP1	VMA13	YPR036W	1		SL	Vacuolar organization and biogenesis
RIC1	VPS8	YAL002W	0	SL		Vesicular transport
RIC1	SWC1	YAL011W	0	SL		Unknown
RIC1	FUN30	YAL019W	0	SL		Unknown
RIC1	PMT2	YAL023C	2	SS		Protein modification
RIC1	DRS2	YAL026C	3	SS		Vesicular transport
RIC1	BUD14	YAR014C	0	SL		Cell polarity
RIC1	FUI1	YBL042C	0	SS		Small molecule transport
RIC1	SFT2	YBL102W	0	SS		Vesicular transport
RIC1	ARL1	YBR164C	0	SS		Vesicular transport
RIC1	RER1	YCL001W	0	SS		Vesicular transport
RIC1	SRO9	YCL037C	2	SL		Protein synthesis
RIC1	MAK31	YCR020C-A	3	SL		Protein modification
RIC1	PER1	YCR044C	1	SS		Other metabolism
RIC1	PTC1	YDL006W	0	SL		Signal transduction
RIC1	BRE1	YDL074C	3	SL		Chromatin/chromosome stucture
RIC1	VAM6	YDL077C	0	SS		Vesicular transport
RIC1	ARR4	YDL100C	0		SS	Small molecule transport
RIC1	RPL35A	YDL191W	0	SL		Protein synthesis
RIC1	VPS41	YDR080W	1	SL		Vesicular transport
RIC1	YDR107C	YDR107C	0	SS		Transport
RIC1	GSS1	YDR108W	3	SL		Vesicular transport
RIC1	ENT5	YDR153C	0	SL		Vesicular transport
RIC1	NBP2	YDR162C	0	SL		Cell polarity
RIC1	RAV2	YDR202C	0	SS		Small molecule transport
RIC1	YDR203W	YDR203W	0	SL		Unknown
RIC1	UME6	YDR207C	0	SL		Meiosis
RIC1	SWA2	YDR320C	0	SL		Vesicular transport
RIC1	SWR1	YDR334W	0	SL		Unknown
RIC1	VPS74	YDR372C	1	SS		Vacuolar organization and biogenesis
RIC1	SPF1	YEL031W	0	SS		Small molecule transport
RIC1	YEL043W	YEL043W	0	SL		Unknown
RIC1	VMA8	YEL051W	0		SL	Vacuolar organization and biogenesis
RIC1	MAK10	YEL053C	3	SL		Protein modification
RIC1	RMD7	YER083C	1	SL		Cell wall organization and biogenesis
RIC1	YER084W	YER084W	0	SL		Unknown
RIC1	SCS2	YER120W	1	SL		Lipid metabolism
RIC1	GLO3	YER122C	0	SL		Vesicular transport

RIC1	RAD4	YER162C	0	SS		DNA repair
RIC1	BST1	YFL025C	0	SS		Vesicular transport
RIC1	RIM15	YFL033C	0		SL	Meiosis
RIC1	RPL2A	YFR031C-A	3	SL		Protein synthesis
RIC1	COG7	YGL005C	2	SL		Vesicular transport
RIC1	SWF3	YGL020C	3	SL		Unknown
RIC1	ERV14	YGL054C	2	SL		Vesicular transport
RIC1	GUP1	YGL084C	0	SS		Lipid metabolism
RIC1	SNF4	YGL115W	0	SS		Protein modification
RIC1	KEM1	YGL173C	2		SL	RNA processing
RIC1	RTF1	YGL244W	0	SL		Pol II transcription
RIC1	UPF3	YGR072W	3	SS		RNA turnover
RIC1	VMA21	YGR105W	0	SL		Vacuolar organization and biogenesis
RIC1	SMI1	YGR229C	0	SS		Cell wall organization and biogenesis
RIC1	APL6	YGR261C	2	SS		Vesicular transport
RIC1	GOS1	YHL031C	3	SL		Vesicular transport
RIC1	NEM1	YHR004C	0	SS		Unknown
RIC1	VPS29	YHR012W	3	SL		Vesicular transport
RIC1	VMA22	YHR060W	0		SL	Vacuolar organization and biogenesis
RIC1	YIL039W	YIL039W	1		SL	Unknown
RIC1	SEC28	YIL076W	0	SL		Vesicular transport
RIC1	SYS1	YJL004C	1	SS		Protein translocation
RIC1	VPS35	YJL154C	0	SS		Vesicular transport
RIC1	RAV1	YJR033C	0	SS		Vacuolar organization and biogenesis
RIC1	GEF1	YJR040W	0	SS		Small molecule transport
RIC1	CBF1	YJR060W	1	SL		Chromatin/chromosome structure
RIC1	OPI3	YJR073C	0		SS	Lipid metabolism
RIC1	TEF4	YKL081W	0	SL		Protein synthesis
RIC1	CNB1	YKL190W	0	SS		Cell wall organization and biogenesis
RIC1	VPS1	YKR001C	0	SL		Vesicular transport
RIC1	VPS67	YKR020W	0	SL		Vacuolar organization and biogenesis
RIC1	GMH1	YKR030W	3	SL		Unknown
RIC1	RPL40B	YKR094C	0	SL		Protein synthesis
RIC1	ENT4	YLL038C	0	SS		Vesicular transport
RIC1	VPS13	YLL040C	0	SS		Vesicular transport
RIC1	BRE2	YLR015W	0	SL		Chromatin/chromosome structure
RIC1	EMP70	YLR083C	0	SS		Transport
RIC1	ARP6	YLR085C	0		SL	Cell structure
RIC1	CSF1	YLR087C	0	SL		Cell stress
RIC1	IMH1	YLR309C	3	SL		Vesicular transport
RIC1	EST2	YLR318W	1		SL	Chromatin/chromosome structure
RIC1	VPS38	YLR360W	3	SL		Vesicular transport
RIC1	DCR2	YLR361C	1	SL		Unknown
RIC1	YPT7	YML001W	0	SL		Vesicular transport
RIC1	YMD8	YML038C	0	SL		Small molecule transport
RIC1	VPS71	YML041C	0	SL		Vesicular transport
RIC1	COG8	YML071C	2	SL		Vesicular transport
RIC1	MVP1	YMR004W	3	SL		Vesicular transport
RIC1	YMR010W	YMR010W	0	SL		Meiosis
RIC1	STV1	YMR054W	0	SS		Vacuolar organization and biogenesis
RIC1	PKR1	YMR123W	3	SL		Unknown
RIC1	SKY1	YMR216C	2	SS		RNA splicing
RIC1	SCS7	YMR272C	0	SL		Lipid metabolism
RIC1	RCE1	YMR274C	2	SS		Protein modification
RIC1	GAS1	YMR307W	3	SS		Cell wall organization and biogenesis
RIC1	COG6	YNL041C	3	SL		Vesicular transport
RIC1	COG5	YNL051W	3	SL		Vesicular transport
RIC1	RPL16B	YNL069C	0	SL		Protein synthesis
RIC1	FAR11	YNL127W	1	SS		Unknown
RIC1	YNL136W	YNL136W	0	SL		Unknown
RIC1	PSD1	YNL169C	0	SL		Lipid metabolism

RIC1	KEX2	YNL238W	0	SL		Protein modification
RIC1	MID1	YNL291C	0	SL		Small molecule transport
RIC1	KRE25	YNL296W	3	SL		Unknown
RIC1	MON2	YNL297C	3	SL		Vacuolar organization and biogenesis
RIC1	TRF5	YNL299W	0	SL		Chromatin/chromosome structure
RIC1	PPG1	YNR032W	1	SL		Carbohydrate metabolism
RIC1	BRE5	YNR051C	0	SL		Unknown
RIC1	HTZ1	YOL012C	0	SL		Chromatin/chromosome structure
RIC1	ESC8	YOL017W	0	SS		Unknown
RIC1	TLG2	YOL018C	3	SL		Vesicular transport
RIC1	VAM10	YOR068C	1	SL		Vacuolar organization and biogenesis
RIC1	VPS5	YOR069W	2	SL		Vesicular transport
RIC1	GYP1	YOR070C	3	SL		Vesicular transport
RIC1	VPS21	YOR089C	0	SS		Vesicular transport
RIC1	INP53	YOR109W	0	SL		Lipid metabolism
RIC1	YOR112W	YOR112W	0		SL	Unknown
RIC1	RGA1	YOR127W	1	SS		Cell polarity
RIC1	VPS17	YOR132W	3	SL		Vesicular transport
RIC1	RUD3	YOR216C	2	SL		Vesicular transport
RIC1	SNC2	YOR327C	0	SS		Vesicular transport
RIC1	EGD1	YPL037C	0	SL		Protein folding
RIC1	ARL3	YPL051W	3	SL		Vesicular transport
RIC1	LGE1	YPL055C	3		SL	Cell cycle control
RIC1	YPL105C	YPL105C	0	SL		Unknown
RIC1	VPS30	YPL120W	3	SL		Vesicular transport
RIC1	BEM4	YPL161C	0	SL		Cell polarity
RIC1	APL5	YPL195W	0	SS		Vesicular transport
RIC1	OXR1	YPL196W	0	SS		Unknown
RIC1	TFP3	YPL234C	2		SL	Vacuolar organization and biogenesis
RIC1	DSS4	YPR017C	0	SS		Vesicular transport
RIC1	SRO7	YPR032W	0	SS		Vesicular transport
RIC1	YPR050C	YPR050C	3	SL		Unknown
RIC1	MAK3	YPR051W	3	SL		Protein modification
RIC1	MRL1	YPR079W	0	SS		Vacuolar organization and biogenesis
RIC1	YPR084W	YPR084W	0	SL		Unknown
RIC1	YPR197C	YPR197C	0	SL		Unknown
YPT6	VPS8	YAL002W	2		SL	Vesicular transport
YPT6	SWC1	YAL011W	0	SL		Unknown
YPT6	FUN30	YAL019W	3	SL		Unknown
YPT6	BUD14	YAR014C	2	SL		Cell polarity
YPT6	YBL083C	YBL083C	1	SS		Unknown
YPT6	SFT2	YBL102W	3	SL		Vesicular transport
YPT6	ARL1	YBR164C	3	SL		Vesicular transport
YPT6	APM3	YBR288C	1	SL		Vesicular transport
YPT6	RER1	YCL001W	3	SL		Vesicular transport
YPT6	SRO9	YCL037C	0		SL	Protein synthesis
YPT6	MAK31	YCR020C-A	3	SL		Protein modification
YPT6	PER1	YCR044C	0	SS		Other metabolism
YPT6	RAD18	YCR066W	1	SL		DNA repair
YPT6	PTC1	YDL006W	1	SS		Signal transduction
YPT6	BRE1	YDL074C	3	SL		Chromatin/chromosome stucture
YPT6	VAM6	YDL077C	0	SS		Vesicular transport
YPT6	ARR4	YDL100C	1	SL		Small molecule transport
YPT6	RPL35A	YDL191W	2	SS		Protein synthesis
YPT6	VPS41	YDR080W	0		SL	Vesicular transport
YPT6	YDR107C	YDR107C	1	SL		Transport
YPT6	GSS1	YDR108W	3	SL		Vesicular transport
YPT6	SWF1	YDR126W	2	SL		Unknown
YPT6	ENT5	YDR153C	3	SL		Vesicular transport
YPT6	NBP2	YDR162C	3	SL		Cell polarity
YPT6	RAV2	YDR202C	2	SL		Small molecule transport

YPT6	YDR203W	YDR203W	3	SL		Unknown
YPT6	SUM1	YDR310C	2	SL		Chromatin/chromosome structure
YPT6	SWA2	YDR320C	3	SL		Vesicular transport
YPT6	SWR1	YDR334W	0		SL	Unknown
YPT6	VID21	YDR359C	0	SS		Unknown
YPT6	VPS74	YDR372C	0	SL		Vacuolar organization and biogenesis
YPT6	YEL043W	YEL043W	1	SL		Unknown
YPT6	VMA8	YEL051W	0		SL	Vacuolar organization and biogenesis
YPT6	MAK10	YEL053C	3	SL		Protein modification
YPT6	YER084W	YER084W	3	SL		Unknown
YPT6	SBH1	YER087C-A	0	SS		Protein translocation
YPT6	SCS2	YER120W	1	SL		Lipid metabolism
YPT6	GLO3	YER122C	0	SL		Vesicular transport
YPT6	RAD4	YER162C	0	SL		DNA repair
YPT6	BST1	YFL025C	3	SS		Vesicular transport
YPT6	RIM15	YFL033C	1	SL		Meiosis
YPT6	RPL2A	YFR031C-A	2	SL		Protein synthesis
YPT6	COG7	YGL005C	2	SL		Vesicular transport
YPT6	SWF3	YGL020C	3	SL		Unknown
YPT6	ERV14	YGL054C	3	SL		Vesicular transport
YPT6	GUP1	YGL084C	2	SL		Lipid metabolism
YPT6	SNF4	YGL115W	1	SL		Protein modification
YPT6	VAM7	YGL212W	2	SL		Vacuolar organization and biogenesis
YPT6	RTF1	YGL244W	3	SL		Pol II transcription
YPT6	ZRT1	YGL255W	0	SS		Small molecule transport
YPT6	VMA7	YGR020C	2		SL	Vacuolar organization and biogenesis
YPT6	UPF3	YGR072W	0	SS		RNA turnover
YPT6	VMA21	YGR105W	3	SL		Vacuolar organization and biogenesis
YPT6	SMI1	YGR229C	3	SL		Cell wall organization and biogenesis
YPT6	APL6	YGR261C	3	SL		Vesicular transport
YPT6	OPI1	YHL020C	0	SL		Lipid metabolism
YPT6	GOS1	YHL031C	3	SL		Vesicular transport
YPT6	NEM1	YHR004C	1	SL		Unknown
YPT6	VPS29	YHR012W	3	SL		Vesicular transport
YPT6	VMA10	YHR039C-B	0		SL	Small molecule transport
YPT6	VMA22	YHR060W	0		SL	Vacuolar organization and biogenesis
YPT6	YIL039W	YIL039W	0	SS		Unknown
YPT6	SEC28	YIL076W	2	SL		Vesicular transport
YPT6	SYS1	YJL004C	3		SL	Protein translocation
YPT6	SNX4	YJL036W	1	SL		Protein degradation
YPT6	PEP8	YJL053W	3	SL		Vesicular transport
YPT6	YJL123C	YJL123C	3	SL		Unknown
YPT6	VPS35	YJL154C	3	SL		Vesicular transport
YPT6	RAV1	YJR033C	3	SL		Vacuolar organization and biogenesis
YPT6	GEF1	YJR040W	0	SL		Small molecule transport
YPT6	CBF1	YJR060W	3	SL		Chromatin/chromosome structure
YPT6	OPI3	YJR073C	3		SS	Lipid metabolism
YPT6	TEF4	YKL081W	2	SL		Protein synthesis
YPT6	CNB1	YKL190W	0	SL		Cell wall organization and biogenesis
YPT6	IRS4	YKR019C	2	SL		Chromatin/chromosome structure
YPT6	VPS67	YKR020W	2	SL		Vacuolar organization and biogenesis
YPT6	GMH1	YKR030W	3	SL		Unknown
YPT6	ENT4	YLL038C	2	SL		Vesicular transport
YPT6	BRE2	YLR015W	1	SL		Chromatin/chromosome structure
YPT6	EMP70	YLR083C	1	SL		Transport
YPT6	ARP6	YLR085C	3	SL		Cell structure
YPT6	CSF1	YLR087C	0		SL	Cell stress
YPT6	IMH1	YLR309C	3	SL		Vesicular transport
YPT6	EST2	YLR318W	3	SL		Chromatin/chromosome structure
YPT6	VPS38	YLR360W	3	SS		Vesicular transport
YPT6	DCR2	YLR361C	0	SS		Unknown

YPT6	YPT7	YML001W	2	SS		Vesicular transport
YPT6	VPS71	YML041C	2	SS		Vesicular transport
YPT6	COG8	YML071C	3	SL		Vesicular transport
YPT6	MVP1	YMR004W	3	SL		Vesicular transport
YPT6	YMR010W	YMR010W	2	SL		Meiosis
YPT6	STV1	YMR054W	0	SL		Vacuolar organization and biogenesis
YPT6	PKR1	YMR123W	2	SL		Unknown
YPT6	SKY1	YMR216C	2	SS		RNA splicing
YPT6	RSN1	YMR266W	1	SL		Unknown
YPT6	RCE1	YMR274C	3	SL		Protein modification
YPT6	GAS1	YMR307W	3	SS		Cell wall organization and biogenesis
YPT6	COG6	YNL041C	3	SL		Vesicular transport
YPT6	COG5	YNL051W	3	SL		Vesicular transport
YPT6	RPL16B	YNL069C	1	SL		Protein synthesis
YPT6	YNL136W	YNL136W	1	SS		Unknown
YPT6	PSD1	YNL169C	3	SL		Lipid metabolism
YPT6	KRE25	YNL296W	3	SL		Unknown
YPT6	MON2	YNL297C	3		SL	Vacuolar organization and biogenesis
YPT6	PPG1	YNR032W	1	SS		Carbohydrate metabolism
YPT6	BRE5	YNR051C	3	SL		Unknown
YPT6	HTZ1	YOL012C	2	SL		Chromatin/chromosome structure
YPT6	ESC8	YOL017W	2	SL		Unknown
YPT6	TLG2	YOL018C	3	SL		Vesicular transport
YPT6	INO4	YOL108C	3	SS		Lipid metabolism
YPT6	VAM10	YOR068C	2	SL		Vacuolar organization and biogenesis
YPT6	VPS5	YOR069W	2	SL		Vesicular transport
YPT6	GYP1	YOR070C	3	SL		Vesicular transport
YPT6	VPS21	YOR089C	0	SL		Vesicular transport
YPT6	VAM3	YOR106W	0	SL		Vesicular transport
YPT6	INP53	YOR109W	2	SL		Lipid metabolism
YPT6	YOR112W	YOR112W	3		SL	Unknown
YPT6	VPS17	YOR132W	3	SL		Vesicular transport
YPT6	RUD3	YOR216C	3	SL		Vesicular transport
YPT6	EGD1	YPL037C	2	SL		Protein folding
YPT6	ARL3	YPL051W	3	SL		Vesicular transport
YPT6	LGE1	YPL055C	3	SL		Cell cycle control
YPT6	VPS30	YPL120W	2	SL		Vesicular transport
YPT6	BEM4	YPL161C	0	SL		Cell polarity
YPT6	APL5	YPL195W	3	SL		Vesicular transport
YPT6	OXR1	YPL196W	3	SL		Unknown
YPT6	TFP3	YPL234C	2		SL	Vacuolar organization and biogenesis
YPT6	DSS4	YPR017C	0	SL		Vesicular transport
YPT6	SRO7	YPR032W	0	SS		Vesicular transport
YPT6	YPR050C	YPR050C	2	SL		Unknown
YPT6	MAK3	YPR051W	3		SL	Protein modification
YPT6	MRL1	YPR079W	2	SS		Vacuolar organization and biogenesis
YPT6	YPR084W	YPR084W	1	SL		Unknown
YPT6	YPR197C	YPR197C	2	SS		Unknown
CDC73	VPS8	YAL002W	1	SS		Vesicular transport
CDC73	SWC1	YAL011W	2	SL	SL	Unknown
CDC73	DEP1	YAL013W	2	SL		Lipid metabolism
CDC73	NUP60	YAR002W	1		SL	Nuclear-cytoplasmic transport
CDC73	ECM8	YBR076W	1	SS		Cell wall organization and biogenesis
CDC73	RXT2	YBR095C	3	SL		Unknown
CDC73	SIF2	YBR103W	0	SL		Chromatin/chromosome structure
CDC73	SOY	YBR194W	1	SS		Unknown
CDC73	HPC2	YBR215W	2	SL		Pol II transcription
CDC73	PDB1	YBR221C	0	SS		Carbohydrate metabolism
CDC73	AOR1	YBR231C	1	SL		Unknown
CDC73	SRO9	YCL037C	1	SL		Protein synthesis
CDC73	PAT1	YCR077C	0	SL		Chromatin/chromosome structure

CDC73	NHP10	YDL002C	1	SS		Unknown
CDC73	YDL033C	YDL033C	0	SL		Unknown
CDC73	RGP1	YDR137W	1	SS		Vesicular transport
CDC73	MNN10	YDR245W	1	SS		Protein modification
CDC73	RTT103	YDR289C	1		SS	Unknown
CDC73	SWR1	YDR334W	0	SL		Unknown
CDC73	MSN5	YDR335W	1	SS		Nuclear-cytoplasmic transport
CDC73	SEM1	YDR363W-A	0		SL	Vesicular transport
CDC73	XRS2	YDR369C	1	SL		DNA repair
CDC73	LSM6	YDR378C	1	SL		RNA splicing
CDC73	DOT1	YDR440W	1	SL		Chromatin/chromosome stucture
CDC73	VPS72	YDR485C	2	SL		Vesicular transport
CDC73	VAC8	YEL013W	1	SL		Vacuolar organization and biogenesis
CDC73	SPF1	YEL031W	2	SL		Small molecule transport
CDC73	YEL033W	YEL033W	1	SL		Differentiation
CDC73	CIN8	YEL061C	1	SL		Mitosis
CDC73	YER084W	YER084W	0	SL		Unknown
CDC73	SWI4	YER111C	3		SL	Cell cycle control
CDC73	GLO3	YER122C	0	SL		Vesicular transport
CDC73	YER139C	YER139C	0	SS		Unknown
CDC73	SPT2	YER161C	2	SL		Chromatin/chromosome stucture
CDC73	PDA1	YER178W	1	SS		Mitochondrion organization and biogenesis
CDC73	UBP6	YFR010W	0	SL		Protein modification
CDC73	SWF3	YGL020C	3	SL		Unknown
CDC73	DST1	YGL043W	2	SL		Pol II transcription
CDC73	KEM1	YGL173C	1	SS		RNA processing
CDC73	BUD13	YGL174W	1	SL		Cell polarity
CDC73	VID30	YGL227W	0	SL		Pol II Transcription
CDC73	RTF1	YGL244W	0	SS		Pol II transcription
CDC73	YTA7	YGR270W	1	SS		Vacuolar organization and biogenesis
CDC73	GOS1	YHL031C	2	SS		Vesicular transport
CDC73	THP2	YHR167W	0	SL		Recombination
CDC73	APQ12	YIL040W	0		SL	Unknown
CDC73	SEC28	YIL076W	1	SL		Vesicular transport
CDC73	MET18	YIL128W	1	SL		Pol II Transcription
CDC73	IST3	YIR005W	0	SL		RNA splicing
CDC73	LSM1	YJL124C	0		SS	RNA turnover
CDC73	SET2	YJL168C	1	SL		Chromatin/chromosome structure
CDC73	HIR3	YJR140C	0	SL		Pol II transcription
CDC73	YKL053C-A	YKL053C-A	1	SL		Mitochondrion organization and biogenesis
CDC73	CTK1	YKL139W	0		SL	Pol II transcription
CDC73	ELF1	YKL160W	0	SL		Unknown
CDC73	LST4	YKL176C	1	SL		Vesicular transport
CDC73	DOA1	YKL213C	1	SL		Protein degradation
CDC73	RTT109	YLL002W	1	SL		DNA repair
CDC73	RIC1	YLR039C	2	SL		Vesicular transport
CDC73	PET309	YLR067C	1	SS		RNA metabolism
CDC73	ARP6	YLR085C	2	SL		Cell structure
CDC73	YLR168C	YLR168C	0	SL		Unknown
CDC73	SWI6	YLR182W	1	SS		Cell cycle control
CDC73	MMR1	YLR190W	1	SL		Unknown
CDC73	QRI5	YLR204W	1	SL		Unknown
CDC73	LIP2	YLR239C	1	SS		Protein modification
CDC73	YPT6	YLR262C	1	SL		Vesicular transport
CDC73	SEC22	YLR268W	0	SL		Vesicular transport
CDC73	YLR269C	YLR269C	1	SL		Unknown
CDC73	NKP2	YLR315W	1	SS		Chromatin/chromosome structure
CDC73	ORM2	YLR350W	2	SL		Cell wall organization and biogenesis
CDC73	VID22	YLR373C	1	SL		Vacuolar organization and biogenesis
CDC73	IKI3	YLR384C	0	SL		Pol II transcription
CDC73	YML012C-A	YML013C-A	1	SL		Unknown

CDC73	RAD52	YML032C	1	SS		DNA repair	
CDC73	VPS71	YML041C	2	SL		Vesicular transport	
CDC73	LYS7	YMR038C	1	SS		Amino-acid metabolism	
CDC73	RIM13	YMR154C	0	SS		Meiosis	
CDC73	MRPS8	YMR158W	1	SL		Mitochondrion organization and biogenesis	
CDC73	SAP30	YMR263W	2	SL		Chromatin/chromosome structure	
CDC73	RCE1	YMR274C	1	SL		Protein modification	
CDC73	BUL1	YMR275C	1	SS		Protein degradation	
CDC73	SSN8	YNL025C	1	SL		Pol II transcription	
CDC73	PHO23	YNL097C	0		SL	Phosphate metabolism	
CDC73	YNL140C	YNL140C	0		SL	Unknown	
CDC73	YNL198C	YNL198C	1	SL		Unknown	
CDC73	GCR2	YNL199C	1	SL		Pol II Transcription	
CDC73	IES2	YNL215W	2	SS		Unknown	
CDC73	RIM21	YNL294C	1	SS		Unknown	
CDC73	SIN3	YOL004W	1	SL		Pol II transcription	
CDC73	HTZ1	YOL012C	1	SL		Chromatin/chromosome structure	
CDC73	MDM38	YOL027C	0	SL		Mitochondrion organization and biogenesis	
CDC73	THP1	YOL072W	1	SL		Pol II Transcription	
CDC73	RRP6	YOR001W	1	SS		RNA processing	
CDC73	DFG16	YOR030W	1	SS		Differentiation	
CDC73	HIR2	YOR038C	2		SL	Pol II transcription	
CDC73	DIA2	YOR080W	1	SL		Differentiation	
CDC73	VPS21	YOR089C	2		SS	Vesicular transport	
CDC73	LEO1	YOR123C	1	SL		Chromatin/chromosome structure	
CDC73	UBP2	YOR124C	1	SS		Protein modification	
CDC73	RUD3	YOR216C	2	SL		Vesicular transport	
CDC73	TIM18	YOR297C	1	SL		Mitochondrion organization and biogenesis	
CDC73	SNU66	YOR308C	2	SL		RNA splicing	
CDC73	PDE2	YOR360C	1	SL		Signal transduction	
CDC73	SSN3	YPL042C	1	SL		Pol II transcription	
CDC73	SUR1	YPL057C	0	SL		Lipid metabolism	
CDC73	BTS1	YPL069C	1	SL		Protein modification	
CDC73	CTI6	YPL181W	3	SL		Chromatin/chromosome structure	
CDC73	YPL182C	YPL182C	2	SL		Unknown	
CDC73	MED1	YPR070W	2	SS	SS	Chromatin/chromosome structure	
CDC73	YPR084W	YPR084W	0	SL		Unknown	
SET2	SWC1	YAL011W	0	SL		Unknown	Krogan, 2003
SET2	DEP1	YAL013W	0	SS		Lipid metabolism	Krogan, 2003
SET2	SIF2	YBR103W	2	SS		Chromatin/chromosome structure	Krogan, 2003
SET2	SWD3	YBR175W	0	SS		Chromatin/chromosome structure	Krogan, 2003
SET2	DCC1	YCL016C	1	SS		Chromatin/chromosome structure	Krogan, 2003
SET2	SNT1	YCR033W	0	SS		Chromatin/chromosome structure	Krogan, 2003
SET2	YDL033C	YDL033C	0	SL		Unknown	Krogan, 2003
SET2	BRE1	YDL074C	2	SL		Chromatin/chromosome stucture	Krogan, 2003
SET2	SWR1	YDR334W	3	SS		Unknown	Krogan, 2003
SET2	VID21	YDR359C	1	SS		Unknown	Krogan, 2003
SET2	SDC1	YDR469W	0	SS		Chromatin/chromosome structure	Krogan, 2003
SET2	RIM8	YGL045W	1	SS		Unknown	Krogan, 2003
SET2	RIM8	YGL046W	1	SS		Unknown	Krogan, 2003
SET2	SOH1	YGL127C	0	SL		DNA repair	Krogan, 2003
SET2	RTF1	YGL244W	3	SL		Pol II transcription	Krogan, 2003
SET2	SHY1	YGR112W	2	SS		Energy generation	Krogan, 2003
SET2	HOS4	YIL112W	0	SS		Chromatin/chromosome stucture	Krogan, 2003
SET2	SET3	YKR029C	0	SS		Chromatin/chromosome structure	Krogan, 2003
SET2	BRE2	YLR015W	0	SS		Chromatin/chromosome structure	Krogan, 2003
SET2	ARP6	YLR085C	1	SL		Cell structure	Krogan, 2003
SET2	SEC22	YLR268W	3	SL		Vesicular transport	Krogan, 2003
SET2	VAC14	YLR386W	2	SS		Vacuolar organization and biogenesis	Krogan, 2003
SET2	CDC73	YLR418C	0	SL		Pol II transcription	Krogan, 2003
SET2	VPS71	YML041C	0	SS		Vesicular transport	Krogan, 2003

SET2	GIM5	YML094W	0	SL		Cell structure	Krogan, 2003
SET2	MSC1	YML128C	2		SL	Unknown	Krogan, 2003
SET2	GIM3	YNL153C	0	SL		Cell structure	Krogan, 2003
SET2	RIM21	YNL294C	1	SS		Unknown	Krogan, 2003
SET2	MON2	YNL297C	0	SL		Vacuolar organization and biogenesis	Krogan, 2003
SET2	BRE5	YNR051C	0	SS		Unknown	Krogan, 2003
SET2	HTZ1	YOL012C	1	SL		Chromatin/chromosome structure	Krogan, 2003
SET2	VAM3	YOR106W	1	SL		Vesicular transport	Krogan, 2003
SET2	LEO1	YOR123C	1	SS		Chromatin/chromosome structure	Krogan, 2003
SET2	LGE1	YPL055C	3	SL		Cell cycle control	Krogan, 2003
SET2	BEM4	YPL161C	2	SL		Cell polarity	Krogan, 2003
SET2	YPR014C	YPR014C	0	SS		Unknown	Krogan, 2003
LIA1	SRO9	YCL037C	2	SL		Protein synthesis	
LIA1	ARF1	YDL192W	3		SL	Transport	
LIA1	PRB1	YEL060C	2		SS	Protein degradation	
LIA1	RMD9	YGL107C	2		SS	Meiosis	
LIA1	SOH1	YGL127C	2		SL	DNA repair	
LIA1	RTF1	YGL244W	3		SS	Pol II transcription	
LIA1	SRB2	YHR041C	3		SS	Pol II Transcription	
LIA1	YMR269W	YMR269W	3		SS	Unknown	
LIA1	AAH1	YNL141W	3		SS	Nucleotide metabolism	
LIA1	YOR309C	YOR309C	3		SL	Unknown	
ARP1	HCM1	YCR065W	3	SS		Pol II transcription	
ARP1	GIM4	YEL003W	3	SS		Cell structure	
ARP1	CIN8	YEL061C	2		SS	Mitosis	
ARP1	BIM1	YER016W	3	SL		Mitosis	
ARP1	RPL34A	YER056C-A	2		SS	Protein synthesis	
ARP1	BOI2	YER114C	3	SS		Cell polarity	
ARP1	MON1	YGL124C	1	SL		Unknown	
ARP1	KIP3	YGL216W	0	SL		Mitosis	
ARP1	YGL217C	YGL217C	0	SL		Unknown	
ARP1	PAC10	YGR078C	2	SS		Cell structure	
ARP1	SMI1	YGR229C	3		SS	Cell wall organization and biogenesis	
ARP1	VPS29	YHR012W	3		SS	Vesicular transport	
ARP1	YKE2	YLR200W	0	SS		Cell structure	
ARP1	CLB4	YLR210W	3	SS		Cell cycle control	
ARP1	VID22	YLR373C	2		SS	Vacuolar organization and biogenesis	
ARP1	GIM5	YML094W	1	SS		Cell structure	
ARP1	CIK1	YMR198W	2		SL	Mitosis	
ARP1	GIM3	YNL153C	3	SL		Cell structure	
ARP1	BNI1	YNL271C	0	SS		Cell polarity	
ARP1	BRE5	YNR051C	0		SS	Unknown	
ARP1	CIN1	YOR349W	0		SS	Cell structure	
ARP1	KAR9	YPL269W	3	SL		Mitosis	
ARP1	KAR3	YPR141C	1		SL	Mitosis	
JNM1	LTE1	YAL024C	1	SL		Cell cycle control	
JNM1	HCM1	YCR065W	3	SS	SS	Pol II transcription	
JNM1	PAT1	YCR077C	2	SL		Chromatin/chromosome structure	
JNM1	GIM4	YEL003W	1	SS		Cell structure	
JNM1	CIN8	YEL061C	1		SL	Mitosis	
JNM1	PAC2	YER007W	0		SS	Cell structure	
JNM1	BIM1	YER016W	3	SL		Mitosis	
JNM1	BOI2	YER114C	3	SS	SS	Cell polarity	
JNM1	KIP3	YGL216W	3	SL		Mitosis	
JNM1	YGL217C	YGL217C	3	SL		Unknown	
JNM1	PAC10	YGR078C	0	SL		Cell structure	
JNM1	SMI1	YGR229C	3		SS	Cell wall organization and biogenesis	
JNM1	VPS35	YJL154C	1	SL		Vesicular transport	
JNM1	CAP1	YKL007W	0	SS	SS	Cell structure	
JNM1	YKE2	YLR200W	0	SS		Cell structure	
JNM1	CLB4	YLR210W	3	SL		Cell cycle control	

JNM1	CPR6	YLR216C	2	SL		Protein folding
JNM1	YLR217W	YLR217W	0	SL		Unknown
JNM1	GIM5	YML094W	1		SL	Cell structure
JNM1	TUB3	YML124C	0		SS	Cell structure
JNM1	RPL16B	YNL069C	1	SL		Protein synthesis
JNM1	GIM3	YNL153C	3	SS		Cell structure
JNM1	BNI1	YNL271C	2	SL		Cell polarity
JNM1	CIN1	YOR349W	0	SS	SL	Cell structure
JNM1	CIN2	YPL241C	3	SS		Cell structure
JNM1	KAR9	YPL269W	3	SL		Mitosis
JNM1	KAR3	YPR141C	0		SL	Mitosis
NIP100	DEP1	YAL013W	3		SL	Lipid metabolism
NIP100	CRD1	YDL142C	0	SS	SS	Mitochondrion organization and biogenesis
NIP100	MRPL1	YDR116C	0	SL	SS	Mitochondrion organization and biogenesis
NIP100	EMI1	YDR512C	2		SS	Meiosis
NIP100	GIM4	YEL003W	1	SS		Cell structure
NIP100	CIN8	YEL061C	0		SL	Mitosis
NIP100	PAC2	YER007W	0	SS		Cell structure
NIP100	BIM1	YER016W	3	SL		Mitosis
NIP100	BOI2	YER114C	2	SS	SS	Cell polarity
NIP100	MON1	YGL124C	1	SL		Unknown
NIP100	KIP3	YGL216W	2	SL		Mitosis
NIP100	YGL217C	YGL217C	2	SL		Unknown
NIP100	PAC10	YGR078C	1		SL	Cell structure
NIP100	CAP2	YIL034C	1	SS		Cell structure
NIP100	CAP1	YKL007W	3		SS	Cell structure
NIP100	BRE2	YLR015W	1	SS	SS	Chromatin/chromosome structure
NIP100	YKE2	YLR200W	0	SL		Cell structure
NIP100	CLB4	YLR210W	2	SS	SS	Cell cycle control
NIP100	CPR6	YLR216C	2	SS	SS	Protein folding
NIP100	YLR217W	YLR217W	2	SS	SS	Unknown
NIP100	ATP10	YLR393W	3	SS	SS	Energy generation
NIP100	GIM5	YML094W	0		SL	Cell structure
NIP100	CIN4	YMR138W	0		SS	Cell structure
NIP100	SAP30	YMR263W	1	SS	SS	Chromatin/chromosome structure
NIP100	GAS1	YMR307W	0		SS	Cell wall organization and biogenesis
NIP100	GIM3	YNL153C	2	SL		Cell structure
NIP100	BNI1	YNL271C	2		SL	Cell polarity
NIP100	MCK1	YNL307C	2		SS	Meiosis
NIP100	CIN1	YOR349W	3		SL	Cell structure
NIP100	YPL205C	YPL205C	1		SS	Meiosis
NIP100	CIN2	YPL241C	3		SL	Cell structure
NIP100	KAR9	YPL269W	3		SL	Mitosis
NIP100	KAR3	YPR141C	3		SL	Mitosis
DYN1	LTE1	YAL024C	0	SS		Cell cycle control
DYN1	HCM1	YCR065W	0	SS		Pol II transcription
DYN1	GIM4	YEL003W	0	SS		Cell structure
DYN1	CIN8	YEL061C	0		SL	Mitosis
DYN1	BIM1	YER016W	2	SL		Mitosis
DYN1	BOI2	YER114C	0	SS		Cell polarity
DYN1	MON1	YGL124C	0	SL	SL	Unknown
DYN1	KIP3	YGL216W	3	SL		Mitosis
DYN1	YGL217C	YGL217C	3	SL		Unknown
DYN1	PAC10	YGR078C	0	SL	SS	Cell structure
DYN1	YKE2	YLR200W	0	SS		Cell structure
DYN1	GIM5	YML094W	0	SS	SS	Cell structure
DYN1	GIM3	YNL153C	2		SL	Cell structure
DYN1	BNI1	YNL271C	0	SL		Cell polarity
DYN1	CIN1	YOR349W	0		SS	Cell structure
DYN1	KAR9	YPL269W	2	SL		Mitosis
DYN1	KAR3	YPR141C	0		SL	Mitosis

DYN2	GIM4	YEL003W	0		SS	Cell structure
DYN2	CIN8	YEL061C	1		SL	Mitosis
DYN2	BIM1	YER016W	1	SL		Mitosis
DYN2	MON1	YGL124C	1		SS	Unknown
DYN2	KIP3	YGL216W	2	SL		Mitosis
DYN2	YGL217C	YGL217C	3	SS		Unknown
DYN2	PAC10	YGR078C	1	SL		Cell structure
DYN2	YKE2	YLR200W	0	SS		Cell structure
DYN2	GIM5	YML094W	0		SS	Cell structure
DYN2	GIM3	YNL153C	3		SL	Cell structure
DYN2	BNI1	YNL271C	0		SL	Cell polarity
DYN2	CIN1	YOR349W	0		SS	Cell structure
DYN2	KAR9	YPL269W	0		SS	Mitosis
PAC11	GIM4	YEL003W	1	SS		Cell structure
PAC11	CIN8	YEL061C	0		SL	Mitosis
PAC11	BIM1	YER016W	2	SL		Mitosis
PAC11	BOI2	YER114C	0		SS	Cell polarity
PAC11	KIP3	YGL216W	0	SL		Mitosis
PAC11	YGL217C	YGL217C	3	SL		Unknown
PAC11	PAC10	YGR078C	0		SL	Cell structure
PAC11	YKE2	YLR200W	0	SL		Cell structure
PAC11	CLB4	YLR210W	1		SS	Cell cycle control
PAC11	GIM5	YML094W	1		SS	Cell structure
PAC11	GIM3	YNL153C	2		SL	Cell structure
PAC11	BNI1	YNL271C	0	SL		Cell polarity
PAC11	CIN1	YOR349W	0		SL	Cell structure
PAC11	KAR9	YPL269W	2	SL		Mitosis
YMR299c	GIM4	YEL003W	1		SS	Cell structure
YMR299c	CIN8	YEL061C	1		SL	Mitosis
YMR299c	PAC2	YER007W	1		SS	Cell structure
YMR299c	BIM1	YER016W	1	SL		Mitosis
YMR299c	MON1	YGL124C	1		SS	Unknown
YMR299c	KIP3	YGL216W	1		SS	Mitosis
YMR299c	YGL217C	YGL217C	1	SS		Unknown
YMR299c	PAC10	YGR078C	1	SS		Cell structure
YMR299c	YKE2	YLR200W	1		SS	Cell structure
YMR299c	CLB4	YLR210W	1		SS	Cell cycle control
YMR299c	GIM5	YML094W	1		SL	Cell structure
YMR299c	GIM3	YNL153C	1		SL	Cell structure
YMR299c	BNI1	YNL271C	1	SS		Cell polarity
YMR299c	CIN1	YOR349W	1		SS	Cell structure
YMR299c	CIN2	YPL241C	1		SS	Cell structure
YMR299c	KAR9	YPL269W	1	SS		Mitosis
YMR299c	KAR3	YPR141C	1	SS		Mitosis
PAC1	GIM4	YEL003W	1		SL	Cell structure
PAC1	CIN8	YEL061C	1		SL	Mitosis
PAC1	BIM1	YER016W	3	SL		Mitosis
PAC1	BEM2	YER155C	3		SL	Cell polarity
PAC1	FAB1	YFR019W	3		SL	Lipid metabolism
PAC1	KIP3	YGL216W	3	SS		Mitosis
PAC1	YGL217C	YGL217C	3	SS		Unknown
PAC1	PAC10	YGR078C	1	SL		Cell structure
PAC1	YHR168W	YHR168W	1		SS	Unknown
PAC1	CAP1	YKL007W	3		SS	Cell structure
PAC1	YKE2	YLR200W	1	SS		Cell structure
PAC1	GIM5	YML094W	1	SL		Cell structure
PAC1	GIM3	YNL153C	3	SL		Cell structure
PAC1	BNI1	YNL271C	3	SL		Cell polarity
PAC1	YOR296W	YOR296W	2	SS		Unknown
PAC1	YOR300W	YOR300W	1	SS		Unknown
PAC1	KAR9	YPL269W	3	SL		Mitosis

PAC1	KAR3	YPR141C	2	SL		Mitosis
NUM1	LTE1	YAL024C	1		SL	Cell cycle control
NUM1	CCZ1	YBR131W	2	SL		Vesicular transport
NUM1	AOR1	YBR231C	0		SS	Unknown
NUM1	HCM1	YCR065W	3	SL		Pol II transcription
NUM1	PAT1	YCR077C	0	SL		Chromatin/chromosome structure
NUM1	GIM4	YEL003W	0	SS		Cell structure
NUM1	CIN8	YEL061C	0		SL	Mitosis
NUM1	BIM1	YER016W	3	SL		Mitosis
NUM1	FAB1	YFR019W	2	SL		Lipid metabolism
NUM1	MAD1	YGL086W	0	SS		Mitosis
NUM1	MON1	YGL124C	2	SL		Unknown
NUM1	KIP3	YGL216W	0	SL		Mitosis
NUM1	YGL217C	YGL217C	3	SL		Unknown
NUM1	PAC10	YGR078C	0	SL		Cell structure
NUM1	SMI1	YGR229C	3	SS		Cell wall organization and biogenesis
NUM1	CAP2	YIL034C	1		SS	Cell structure
NUM1	VPS35	YJL154C	2	SS	SS	Vesicular transport
NUM1	BFA1	YJR053W	0	SS		Mitosis
NUM1	CAP1	YKL007W	1		SS	Cell structure
NUM1	DNM1	YLL001W	2		SS	Cell structure
NUM1	YKE2	YLR200W	0	SL		Cell structure
NUM1	CLB4	YLR210W	2	SL		Cell cycle control
NUM1	CPR6	YLR216C	2	SL		Protein folding
NUM1	YLR217W	YLR217W	3		SS	Unknown
NUM1	BUD6	YLR319C	1		SS	Cell polarity
NUM1	YPT7	YML001W	2	SL		Vesicular transport
NUM1	GIM5	YML094W	3		SL	Cell structure
NUM1	BUB2	YMR055C	0	SS		Mitosis
NUM1	TPM1	YNL079C	3	SS		Cell structure
NUM1	GIM3	YNL153C	0	SL		Cell structure
NUM1	BNI1	YNL271C	0	SL		Cell polarity
NUM1	ASE1	YOR058C	0	SL		Mitosis
NUM1	YOR322C	YOR322C	1	SS	SS	Unknown
NUM1	CIN1	YOR349W	1	SS		Cell structure
NUM1	YPL205C	YPL205C	1	SL	SL	Meiosis
NUM1	KAR9	YPL269W	3	SL		Mitosis
NUM1	KAR3	YPR141C	1	SL		Mitosis
BFA1	BIK1	YCL029C	1	SL		Mitosis
BFA1	GIM4	YEL003W	1	SS		Cell structure
BFA1	BIM1	YER016W	2	SL		Mitosis
BFA1	PAC10	YGR078C	1	SS		Cell structure
BFA1	YKE2	YLR200W	0	SL		Cell structure
BFA1	GIM5	YML094W	1	SL		Cell structure
BFA1	GIM3	YNL153C	2	SL		Cell structure
BFA1	RAD50	YNL250W	1		SS	DNA repair
BFA1	BUB3	YOR026W	0		SL	Mitosis
BFA1	KAR9	YPL269W	3	SL		Mitosis
BFA1	CTF4	YPR135W	1		SS	Chromatin/chromosome structure
BFA1	KAR3	YPR141C	0		SL	Mitosis
BIK1	RPL19B	YBL027W	0	SL		Protein synthesis
BIK1	HCM1	YCR065W	0	SL		Pol II transcription
BIK1	PAT1	YCR077C	2	SL		Chromatin/chromosome structure
BIK1	RTT103	YDR289C	0	SL		Unknown
BIK1	YDR360W	YDR360W	2		SL	Unknown
BIK1	GIM4	YEL003W	0		SL	Cell structure
BIK1	CIN8	YEL061C	0		SL	Mitosis
BIK1	PAC2	YER007W	0		SL	Cell structure
BIK1	BIM1	YER016W	3	SL		Mitosis
BIK1	SHC1	YER096W	0	SL		Meiosis
BIK1	FAB1	YFR019W	0	SL		Lipid metabolism

BIK1	RPL24A	YGL031C	0	SL		Protein synthesis
BIK1	MAD1	YGL086W	0	SL		Mitosis
BIK1	KEM1	YGL173C	0	SL		RNA processing
BIK1	PAC10	YGR078C	2		SL	Cell structure
BIK1	DBF2	YGR092W	3	SS		Cell cycle control
BIK1	BUB1	YGR188C	0	SL		Mitosis
BIK1	MSL1	YIR009W	0	SS		RNA splicing
BIK1	MAD2	YJL030W	0		SS	Mitosis
BIK1	RPA34	YJL148W	0		SS	Protein synthesis
BIK1	RIC1	YLR039C	0		SS	Vesicular transport
BIK1	YKE2	YLR200W	0		SL	Cell structure
BIK1	GIM5	YML094W	2		SL	Cell structure
BIK1	YML095C-A	YML095C-A	0		SL	Unknown
BIK1	TUB3	YML124C	0		SL	Cell structure
BIK1	BUB2	YMR055C	2	SL		Mitosis
BIK1	CIN4	YMR138W	0		SS	Cell structure
BIK1	INP52	YNL106C	0	SL		Lipid metabolism
BIK1	GIM3	YNL153C	2		SL	Cell structure
BIK1	HTZ1	YOL012C	0		SL	Chromatin/chromosome structure
BIK1	BUB3	YOR026W	0		SL	Mitosis
BIK1	ASE1	YOR058C	2		SL	Mitosis
BIK1	RBL2	YOR265W	0		SS	Cell structure
BIK1	CIN1	YOR349W	0	SL		Cell structure
BIK1	CIN2	YPL241C	2	SL		Cell structure
BIK1	KAR9	YPL269W	3	SL		Mitosis
ARP6	DEP1	YAL013W	3	SL	SL	Lipid metabolism
ARP6	CSS2	YBR036C	0		SS	Small molecule transport
ARP6	AKL1	YBR059C	0	SS		Unknown
ARP6	CBP6	YBR120C	0	SS		Protein synthesis
ARP6	SWD3	YBR175W	2	SS		Chromatin/chromosome structure
ARP6	MRC1	YCL060C	3	SS		DNA repair
ARP6	HCM1	YCR065W	3		SS	Pol II transcription
ARP6	YDL033C	YDL033C	1		SS	Unknown
ARP6	BRE1	YDL074C	3	SL		Chromatin/chromosome stucture
ARP6	GSS1	YDR108W	2		SS	Vesicular transport
ARP6	RGP1	YDR137w	0		SS	Vesicular transport
ARP6	YDR360W	YDR360W	0	SS		Unknown
ARP6	GIM4	YEL003W	3	SL		Cell structure
ARP6	PAC2	YER007W	1	SL		Cell structure
ARP6	BIM1	YER016W	1	SL	SL	Mitosis
ARP6	GLO3	YER122C	1	SL		Vesicular transport
ARP6	DEG1	YFL001W	0	SL	SL	RNA processing
ARP6	MAD1	YGL086W	0	SS		Mitosis
ARP6	BUD13	YGL174W	1	SL	SL	Cell polarity
ARP6	RTF1	YGL244W	3	SL	SL	Pol II transcription
ARP6	YGR071C	YGR071C	0		SS	Unknown
ARP6	PAC10	YGR078C	0	SL		Cell structure
ARP6	BUB1	YGR188C	2	SL		Mitosis
ARP6	SET2	YJL168C	3	SS		Chromatin/chromosome structure
ARP6	MGM101	YJR144W	1	SS		Energy generation
ARP6	BRE2	YLR015W	1	SL		Chromatin/chromosome structure
ARP6	RIC1	YLR039C	3	SS		Vesicular transport
ARP6	SPT8	YLR055C	2		SL	Chromatin/chromosome structure
ARP6	PET309	YLR067C	1	SL		RNA metabolism
ARP6	HOG1	YLR113W	0	SS		Signal transduction
ARP6	YPT6	YLR262C	0		SS	Vesicular transport
ARP6	SEC22	YLR268W	3	SL		Vesicular transport
ARP6	EST2	YLR318W	3	SS		Chromatin/chromosome structure
ARP6	YLR374C	YLR374C	2	SS		Unknown
ARP6	YML090W	YML090W	3	SS		Unknown
ARP6	GIM5	YML094W	1		SL	Cell structure

ARP6	TUB3	YML124C	2	SL		Cell structure
ARP6	COG6	YNL041C	0		SS	Vesicular transport
ARP6	PHO23	YNL097C	2	SS		Phosphate metabolism
ARP6	GIM3	YNL153C	2	SL		Cell structure
ARP6	KRE25	YNL296W	0	SS		Unknown
ARP6	MET22	YOL064C	2	SL		Amino-acid metabolism
ARP6	WHI2	YOR043W	0	SS		Cell cycle control
ARP6	LEO1	YOR123C	1	SS		Chromatin/chromosome structure
ARP6	SER1	YOR184W	2	SS		Amino-acid metabolism
ARP6	RUD3	YOR216C	2	SS		Vesicular transport
ARP6	SNU66	YOR308C	0	SS		RNA splicing
ARP6	CIN1	YOR349W	3	SL		Cell structure
ARP6	LGE1	YPL055C	3	SL		Cell cycle control
ARP6	CTI6	YPL181W	3	SL		Chromatin/chromosome structure
ARP6	YPL182C	YPL182C	3	SL		Unknown
ARP6	THI6	YPL214C	0	SS		Other metabolism
ARP6	CIN2	YPL241C	2	SS		Cell structure
ASE1	BIK1	YCL029C	3	SL		Mitosis
ASE1	CSM1	YCR086W	3	SL		Meiosis
ASE1	FIN1	YDR130C	3	SL		Unknown
ASE1	YDR149C	YDR149C	3	SL		Unknown
ASE1	NUM1	YDR150W	2		SL	Mitosis
ASE1	DYN2	YDR424C	3	SL		Mitosis
ASE1	PAC11	YDR488C	1	SL		Mitosis
ASE1	GIM4	YEL003W	1	SS		Cell structure
ASE1	CIN8	YEL061C	1		SL	Mitosis
ASE1	BIM1	YER016W	2	SL		Mitosis
ASE1	BEM2	YER155C	0		SL	Cell polarity
ASE1	PAC10	YGR078C	0		SL	Cell structure
ASE1	ARP1	YHR129C	3	SL		Mitosis
ASE1	ELM1	YKL048C	2		SL	Cell polarity
ASE1	DYN1	YKR054C	2	SL		Mitosis
ASE1	YLL049W	YLL049W	3	SL		Unknown
ASE1	YLR254C	YLR254C	3		SL	Unknown
ASE1	VAC14	YLR386W	1		SL	Vacuolar organization and biogenesis
ASE1	GIM5	YML094W	0		SS	Cell structure
ASE1	JNM1	YMR294W	3	SL		Mitosis
ASE1	YMR299C	YMR299C	3	SL		Mitosis
ASE1	GIM3	YNL153C	3		SL	Cell structure
ASE1	BNI1	YNL271C	1	SS		Cell polarity
ASE1	PAC1	YOR269W	3	SL		Mitosis
ASE1	KIP2	YPL155C	0	SS		Mitosis
ASE1	NIP100	YPL174C	3	SL		Mitosis
ASE1	CLB2	YPR119W	1	SL		Cell cycle control
ASE1	KAR3	YPR141C	2		SL	Mitosis
KAR9	BIK1	YCL029C	2	SL		Mitosis
KAR9	YDR149C	YDR149C	3	SL		Unknown
KAR9	NUM1	YDR150W	2	SL		Mitosis
KAR9	DYN2	YDR424C	0		SS	Mitosis
KAR9	PAC11	YDR488C	3	SL		Mitosis
KAR9	GIM4	YEL003W	0	SL		Cell structure
KAR9	PAC10	YGR078C	1	SL		Cell structure
KAR9	ARP1	YHR129C	3	SL		Mitosis
KAR9	BFA1	YJR053W	2	SL		Mitosis
KAR9	IXR1	YKL032C	1	SS		DNA repair
KAR9	DYN1	YKR054C	3	SL		Mitosis
KAR9	YLL049W	YLL049W	3	SL		Unknown
KAR9	YKE2	YLR200W	0	SS		Cell structure
KAR9	GIM5	YML094W	0		SS	Cell structure
KAR9	BUB2	YMR055C	2	SL		Mitosis
KAR9	JNM1	YMR294W	3	SL		Mitosis

KAR9	YMR299C	YMR299C	0	SL		Mitosis
KAR9	GIM3	YNL153C	0	SL		Cell structure
KAR9	KIN4	YOR233W	0	SS	SS	Protein modification
KAR9	PAC1	YOR269W	3	SL		Mitosis
KAR9	KIP2	YPL155C	2	SL		Mitosis
KAR9	NIP100	YPL174C	2	SL		Mitosis
KAR9	MCM16	YPR046W	0	SS		Chromatin/chromosome structure
MYO2-14	SKT5	YBL061C	0		SS	Cell wall organization and biogenesis
MYO2-14	YBL062W	YBL062W	0		SS	Unknown
MYO2-14	CHS3	YBR023C	0		SS	Cell wall organization and biogenesis
MYO2-14	BEM1	YBR200W	3	SL		Cell polarity
MYO2-14	BIK1	YCL029C	0	SL		Mitosis
MYO2-14	PTC1	YDL006W	1	SL		Signal transduction
MYO2-14	SHS1	YDL225W	1	SL		Cytokinesis
MYO2-14	YDR149C	YDR149C	2	SL		Unknown
MYO2-14	NUM1	YDR150W	2	SL		Mitosis
MYO2-14	DYN2	YDR424C	0	SS		Mitosis
MYO2-14	PAC11	YDR488C	3	SL		Mitosis
MYO2-14	BEM2	YER155C	2	SL		Cell polarity
MYO2-14	FAB1	YFR019W	3	SL		Lipid metabolism
MYO2-14	CKB1	YGL019W	2	SL		Cell cycle control
MYO2-14	YGL211W	YGL211W	0	SS		Unknown
MYO2-14	ELP2	YGR200C	2	SL		Pol II transcription
MYO2-14	YGR228W	YGR228W	3	SS		Unknown
MYO2-14	SMI1	YGR229C	3	SL		Cell wall organization and biogenesis
MYO2-14	SLT2	YHR030C	1	SL		Cell wall organization and biogenesis
MYO2-14	UBA4	YHR111W	3	SS		Protein modification
MYO2-14	ARP1	YHR129C	3	SL		Mitosis
MYO2-14	CHS7	YHR142W	2		SS	Cell wall organization and biogenesis
MYO2-14	URM1	YIL008W	2	SL		Protein modification
MYO2-14	BCK1	YJL095W	2	SL		Cell wall organization and biogenesis
MYO2-14	BFA1	YJR053W	2	SL		Mitosis
MYO2-14	RPS4A	YJR145C	0	SS		Protein synthesis
MYO2-14	ELM1	YKL048C	1	SS		Cell polarity
MYO2-14	DYN1	YKR054C	0	SL		Mitosis
MYO2-14	YKR074W	YKR074W	2		SL	Unknown
MYO2-14	YLL049W	YLL049W	3	SL		Unknown
MYO2-14	CHS5	YLR330W	0		SS	Cell wall organization and biogenesis
MYO2-14	FLM1	YLR368W	2	SL		Mitochondrion organization and biogenesis
MYO2-14	VAC14	YLR386W	3	SS		Vacuolar organization and biogenesis
MYO2-14	BUB2	YMR055C	1	SS		Mitosis
MYO2-14	TPM1	YNL079C	3	SL		Cell structure
MYO2-14	YNL119W	YNL119W	2	SL	SL	Unknown
MYO2-14	YNL120C	YNL120C	2	SL		Unknown
MYO2-14	BNI4	YNL233W	2	SS		Cytokinesis
MYO2-14	CLA4	YNL298W	2	SL		Cell polarity
MYO2-14	CKB2	YOR039W	0	SL		Cell cycle control
MYO2-14	PAC1	YOR269W	3	SL		Mitosis
MYO2-14	ELP3	YPL086C	3	SL		Pol II transcription
MYO2-14	ELP4	YPL101W	2	SL		Pol II transcription
MYO2-14	KIP2	YPL155C	2	SL		Mitosis
MYO2-14	NIP100	YPL174C	0	SL		Mitosis
CLB4	NUM1	YDR150W	1	SS		Mitosis
CLB4	PAC11	YDR488C	1		SS	Mitosis
CLB4	PAC10	YGR078C	0		SS	Cell structure
CLB4	ARP1	YHR129C	2	SS		Mitosis
CLB4	YLL049W	YLL049W	2	SS		Unknown
CLB4	CTF18	YMR078C	0		SS	Chromatin/chromosome structure
CLB4	JNM1	YMR294W	3		SS	Mitosis
CLB4	YMR299C	YMR299C	0		SS	Mitosis
CLB4	NIP100	YPL174C	3	SS		Mitosis

CLB4	KAR3	YPR141C	2		SL	Mitosis
KIP2	DRS2	YAL026C	2		SL	Vesicular transport
KIP2	GIM4	YEL003W	1	SL		Cell structure
KIP2	CIN8	YEL061C	2		SL	Mitosis
KIP2	PAC2	YER007W	1	SS	SS	Cell structure
KIP2	BIM1	YER016W	3	SL		Mitosis
KIP2	PAC10	YGR078C	1		SL	Cell structure
KIP2	DBF2	YGR092W	0		SL	Cell cycle control
KIP2	YKE2	YLR200W	1		SL	Cell structure
KIP2	GIM5	YML094W	1		SL	Cell structure
KIP2	TUB3	YML124C	0		SL	Cell structure
KIP2	GIM3	YNL153C	2		SL	Cell structure
KIP2	ASE1	YOR058C	1	SS	SL	Mitosis
KIP2	CIN1	YOR349W	0	SS	SS	Cell structure
KIP2	CIN2	YPL241C	1	SS	SS	Cell structure
KIP2	KAR9	YPL269W	0	SL		Mitosis
KIP3	SHE1	YBL031W	2	SL		Unknown
KIP3	DCC1	YCL016C	1	SS		Chromatin/chromosome structure
KIP3	YDR149C	YDR149C	3	SL		Unknown
KIP3	NUM1	YDR150W	3	SL		Mitosis
KIP3	DYN2	YDR424C	3	SL		Mitosis
KIP3	PAC11	YDR488C	3		SL	Mitosis
KIP3	BIM1	YER016W	2	SL		Mitosis
KIP3	YGL152C	YGL152C	3	SS		Unknown
KIP3	KEM1	YGL173C	0		SS	RNA processing
KIP3	ARP1	YHR129C	3	SL		Mitosis
KIP3	CTF8	YHR191C	0		SS	Chromatin/chromosome structure
KIP3	DYN1	YKR054C	3	SL		Mitosis
KIP3	YLL049W	YLL049W	2	SL		Unknown
KIP3	CTF18	YMR078C	0	SL		Chromatin/chromosome structure
KIP3	JNM1	YMR294W	2	SL		Mitosis
KIP3	YMR299C	YMR299C	3	SL		Mitosis
KIP3	SLK19	YOR195W	1	SS		Chromatin/chromosome structure
KIP3	PAC1	YOR269W	3	SL		Mitosis
KIP3	NIP100	YPL174C	3	SL		Mitosis
KIP3	CTF4	YPR135W	1	SS		Chromatin/chromosome structure
KIP3	KAR3	YPR141C	0	SL		Mitosis
CIN8	KIP1	YBL063W	2		SL	Mitosis
CIN8	IML3	YBR107C	0		SS	Chromatin/chromosome structure
CIN8	MRPL36	YBR122C	3		SL	Protein synthesis
CIN8	DCC1	YCL016C	3	SS	SL	Chromatin/chromosome structure
CIN8	BIK1	YCL029C	2	SS	SL	Mitosis
CIN8	CSM1	YCR086W	2		SL	Meiosis
CIN8	YDR149C	YDR149C	0		SL	Unknown
CIN8	NUM1	YDR150W	0		SL	Mitosis
CIN8	CHL4	YDR254W	1		SS	Chromatin/chromosome structure
CIN8	MCM21	YDR318W	1	SS	SL	Chromatin/chromosome structure
CIN8	DYN2	YDR424C	3		SL	Mitosis
CIN8	PPM1	YDR435C	2	SS		Protein modification
CIN8	PAC11	YDR488C	2		SL	Mitosis
CIN8	GIM4	YEL003W	1	SS		Cell structure
CIN8	PAC2	YER007W	0	SS		Cell structure
CIN8	BIM1	YER016W	0		SS	Mitosis
CIN8	BEM2	YER155C	2		SL	Cell polarity
CIN8	BMH1	YER177W	1		SL	Differentiation
CIN8	MAD1	YGL086W	2	SL		Mitosis
CIN8	HUR1	YGL168W	0		SL	Unknown
CIN8	PAC10	YGR078C	0	SL		Cell structure
CIN8	BUB1	YGR188C	2	SS		Mitosis
CIN8	SMI1	YGR229C	2		SL	Cell wall organization and biogenesis
CIN8	ARP1	YHR129C	2		SL	Mitosis

CIN8	MAD3	YJL013C	3		SL	Mitosis
CIN8	MAD2	YJL030W	0		SL	Mitosis
CIN8	BFA1	YJR053W	3		SL	Mitosis
CIN8	MCM22	YJR135C	0		SS	Chromatin/chromosome structure
CIN8	ELM1	YKL048C	0		SL	Cell polarity
CIN8	DYN1	YKR054C	3		SL	Mitosis
CIN8	YLL049W	YLL049W	0		SL	Unknown
CIN8	YKE2	YLR200W	1	SS		Cell structure
CIN8	CLB4	YLR210W	1		SS	Cell cycle control
CIN8	CTF3	YLR381W	0		SS	Chromatin/chromosome structure
CIN8	GIM5	YML094W	1		SL	Cell structure
CIN8	TUB3	YML124C	1		SL	Cell structure
CIN8	CSM3	YMR048W	1		SL	Meiosis
CIN8	BUB2	YMR055C	2		SL	Mitosis
CIN8	CTF18	YMR078C	0		SL	Chromatin/chromosome structure
CIN8	CIN4	YMR138W	1		SL	Cell structure
CIN8	JNM1	YMR294W	3		SL	Mitosis
CIN8	YMR299C	YMR299C	3		SL	Mitosis
CIN8	GIM3	YNL153C	2		SL	Cell structure
CIN8	TOF1	YNL273W	0		SL	DNA repair
CIN8	CLA4	YNL298W	0		SL	Cell polarity
CIN8	RTS1	YOR014W	1		SL	Cell stress
CIN8	SLK19	YOR195W	2		SL	Chromatin/chromosome structure
CIN8	RBL2	YOR265W	0		SS	Cell structure
CIN8	PAC1	YOR269W	3		SL	Mitosis
CIN8	CIN1	YOR349W	2		SL	Cell structure
CIN8	CHL1	YPL008W	3		SL	Chromatin/chromosome structure
CIN8	CTF19	YPL018W	3		SL	Chromatin/chromosome structure
CIN8	RRD2	YPL152W	3		SL	Unknown
CIN8	KIP2	YPL155C	2		SL	Mitosis
CIN8	NIP100	YPL174C	0		SL	Mitosis
CIN8	CIN2	YPL241C	1		SL	Cell structure
CIN8	MCM16	YPR046W	1		SL	Chromatin/chromosome structure
CIN8	CLB2	YPR119W	3		SL	Cell cycle control
CIN8	CTF4	YPR135W	0		SS	Chromatin/chromosome structure
KAR3	LTE1	YAL024C	2		SL	Cell cycle control
KAR3	NUP60	YAR002W	2		SL	Nuclear-cytoplasmic transport
KAR3	BUD14	YAR014C	2		SL	Cell polarity
KAR3	MUM2	YBR057C	0		SL	Meiosis
KAR3	SIF2	YBR103W	2		SL	Chromatin/chromosome structure
KAR3	IML3	YBR107C	3		SL	Chromatin/chromosome structure
KAR3	MRC1	YCL061C	0		SL	DNA repair
KAR3	RAD61	YDR014W	3		SL	Unknown
KAR3	NUM1	YDR150W	2		SL	Mitosis
KAR3	CHL4	YDR254W	3		SL	Chromatin/chromosome structure
KAR3	SWM1	YDR260C	0		SL	Meiosis
KAR3	MCM21	YDR318W	2		SL	Chromatin/chromosome structure
KAR3	SEM1	YDR363W-A	3		SL	Vesicular transport
KAR3	XRS2	YDR369C	0		SL	DNA repair
KAR3	PAC11	YDR488C	0		SL	Mitosis
KAR3	GIM4	YEL003W	0		SL	Cell structure
KAR3	BEM2	YER155C	3		SL	Cell polarity
KAR3	BMH1	YER177W	2		SL	Differentiation
KAR3	UBP6	YFR010W	2		SL	Protein modification
KAR3	CDC26	YFR036W	0		SL	Cell cycle control
KAR3	MAD1	YGL086W	3		SL	Mitosis
KAR3	PMR1	YGL167C	3		SL	Small molecule transport
KAR3	HUR1	YGL168W	3		SL	Unknown
KAR3	KEM1	YGL173C	3		SL	RNA processing
KAR3	KIP3	YGL216W	3		SL	Mitosis
KAR3	PAC10	YGR078C	2		SL	Cell structure

KAR3	DBF2	YGR092W	2		SL	Cell cycle control
KAR3	PRE9	YGR135W	3		SL	Protein degradation
KAR3	BUB1	YGR188C	2		SL	Mitosis
KAR3	ARD1	YHR013C	0		SL	Chromatin/chromosome structure
KAR3	ARP1	YHR129C	2		SL	Mitosis
KAR3	CTF8	YHR191C	2		SL	Chromatin/chromosome structure
KAR3	YHR194W	YHR194W	2		SL	Mitochondrion organization and biogenesis
KAR3	RPN10	YHR200W	2		SL	Pol II transcription
KAR3	YIL090W	YIL090W	2		SL	Unknown
KAR3	MAD3	YJL013C	3		SL	Mitosis
KAR3	MAD2	YJL030W	3		SL	Mitosis
KAR3	ASF1	YJL115W	2		SL	Chromatin/chromosome structure
KAR3	SOD1	YJR104C	0		SL	Cell stress
KAR3	MCM22	YJR135C	3		SL	Chromatin/chromosome structure
KAR3	DYN1	YKR054C	2		SL	Mitosis
KAR3	RTT109	YLL002W	2		SL	DNA repair
KAR3	YLL049W	YLL049W	2		SL	Unknown
KAR3	ARP6	YLR085C	0		SS	Cell structure
KAR3	YKE2	YLR200W	3		SL	Cell structure
KAR3	CLB4	YLR210W	2		SL	Cell cycle control
KAR3	CPR6	YLR216C	3		SL	Protein folding
KAR3	YLR217W	YLR217W	3		SL	Unknown
KAR3	CTF3	YLR381W	3		SL	Chromatin/chromosome structure
KAR3	RAD52	YML032C	2		SL	DNA repair
KAR3	GIM5	YML094W	2		SL	Cell structure
KAR3	CSM3	YMR048W	3		SL	Meiosis
KAR3	BUB2	YMR055C	0		SL	Mitosis
KAR3	JNM1	YMR294W	3		SL	Mitosis
KAR3	GIM3	YNL153C	3		SL	Cell structure
KAR3	TOF1	YNL273W	3		SL	DNA repair
KAR3	MCK1	YNL307C	3		SL	Meiosis
KAR3	PSH1	YOL054W	2		SL	Cell stress
KAR3	BUB3	YOR026W	2		SL	Mitosis
KAR3	ASE1	YOR058C	2		SL	Mitosis
KAR3	SLK19	YOR195W	3		SL	Chromatin/chromosome structure
KAR3	PAC1	YOR269W	0		SL	Mitosis
KAR3	CHL1	YPL008W	3		SL	Chromatin/chromosome structure
KAR3	CTF19	YPL018W	3		SL	Chromatin/chromosome structure
KAR3	RRD2	YPL152W	3		SL	Unknown
KAR3	NIP100	YPL174C	0		SL	Mitosis
KAR3	MCM16	YPR046W	3		SL	Chromatin/chromosome structure
YDR332w	SHP1	YBL058W	0	SS		Carbohydrate metabolism
YDR332w	HHF1	YBR009C	3	SL		Chromatin/chromosome structure
YDR332w	RAD61	YDR014W	3	SL		Unknown
YDR332w	HTA1	YDR225W	0	SL		Chromatin/chromosome structure
YDR332w	PEX5	YDR244W	2	SS		Lipid metabolism
YDR332w	PEX10	YDR265W	2	SS		Peroxisome organization and biogenesis
YDR332w	BIM1	YER016W	3	SL		Mitosis
YDR332w	HOP2	YGL033W	0	SS		Meiosis
YDR332w	MAD1	YGL086W	3		SL	Mitosis
YDR332w	UBR1	YGR184C	2	SS		Protein degradation
YDR332w	BUB1	YGR188C	2	SL		Mitosis
YDR332w	CTF8	YHR191C	0		SL	Chromatin/chromosome structure
YDR332w	MAD3	YJL013C	0		SL	Mitosis
YDR332w	MAD2	YJL030W	3	SL		Mitosis
YDR332w	GIM5	YML094W	0	SL		Cell structure
YDR332w	YML095C-A	YML095C-A	0	SL		Unknown
YDR332w	CIK1	YMR198W	2	SL		Mitosis
YDR332w	INP52	YNL106C	3	SS		Lipid metabolism
YDR332w	GIM3	YNL153C	0	SL		Cell structure
YDR332w	HTZ1	YOL012C	0	SS		Chromatin/chromosome structure

YDR332w	BUB3	YOR026W	0	SS		Mitosis
YDR332w	CHL1	YPL008W	3	SL		Chromatin/chromosome structure
YDR332w	CTF4	YPR135W	2	SL		Chromatin/chromosome structure
YDR332w	KAR3	YPR141C	0	SL		Mitosis
TUB3	SWC1	YAL011W	2	SL		Unknown
TUB3	BIK1	YCL029C	0	SL		Mitosis
TUB3	GIM4	YEL003W	2	SL		Cell structure
TUB3	CIN8	YEL061C	1		SL	Mitosis
TUB3	PAC2	YER007W	2	SL		Cell structure
TUB3	MAD1	YGL086W	0		SL	Mitosis
TUB3	PAC10	YGR078C	2	SL		Cell structure
TUB3	ARP1	YHR129C	0		SS	Mitosis
TUB3	MAD3	YJL013C	0		SL	Mitosis
TUB3	YKE2	YLR200W	0		SL	Cell structure
TUB3	VPS71	YML041C	2		SL	Vesicular transport
TUB3	GIM5	YML094W	1	SS		Cell structure
TUB3	CIN4	YMR138W	0		SS	Cell structure
TUB3	GIM3	YNL153C	3	SL		Cell structure
TUB3	HTZ1	YOL012C	2	SL		Chromatin/chromosome structure
TUB3	DSE3	YOR264W	2	SL		Differentiation
TUB3	RBL2	YOR265W	3	SL		Cell structure
TUB3	PNT1	YOR266W	3	SL		Mitochondrion organization and biogenesis
TUB3	CIN1	YOR349W	3	SL		Cell structure
TUB3	NIP100	YPL174C	1		SS	Mitosis
TUB3	CIN2	YPL241C	3	SL		Cell structure
RBL2	GIM4	YEL003W	1	SL		Cell structure
RBL2	PAC2	YER007W	0		SL	Cell structure
RBL2	PAC10	YGR078C	1	SL		Cell structure
RBL2	YKE2	YLR200W	0	SL		Cell structure
RBL2	GIM5	YML094W	0	SS		Cell structure
RBL2	TUB3	YML124C	3	SS		Cell structure
RBL2	CIN4	YMR138W	0		SL	Cell structure
RBL2	GIM3	YNL153C	0	SL		Cell structure
RBL2	BUB3	YOR026W	0		SL	Mitosis
RBL2	CIN1	YOR349W	0	SS		Cell structure
RBL2	CIN2	YPL241C	0		SL	Cell structure
PAC2	BIK1	YCL029C	0		SL	Mitosis
PAC2	MAD1	YGL086W	0		SS	Mitosis
PAC2	PAC10	YGR078C	0	SL		Cell structure
PAC2	BUB1	YGR188C	0	SL		Mitosis
PAC2	MAD2	YJL030W	0		SS	Mitosis
PAC2	YKE2	YLR200W	0	SL		Cell structure
PAC2	GIM5	YML094W	1	SS		Cell structure
PAC2	TUB3	YML124C	2	SL		Cell structure
PAC2	CTF18	YMR078C	0	SL		Chromatin/chromosome structure
PAC2	GIM3	YNL153C	1	SL		Cell structure
PAC2	RBL2	YOR265W	0		SL	Cell structure
CIN2	BIK1	YCL029C	2	SL	SL	Mitosis
CIN2	GIM4	YEL003W	3	SL		Cell structure
CIN2	MAD1	YGL086W	0		SL	Mitosis
CIN2	PAC10	YGR078C	1	SL		Cell structure
CIN2	BUB1	YGR188C	0	SL	SL	Mitosis
CIN2	MAD3	YJL013C	0		SS	Mitosis
CIN2	MAD2	YJL030W	1	SL		Mitosis
CIN2	BFA1	YJR053W	0		SL	Mitosis
CIN2	YKE2	YLR200W	0	SS		Cell structure
CIN2	GIM5	YML094W	1	SS		Cell structure
CIN2	TUB3	YML124C	2	SL		Cell structure
CIN2	BUB2	YMR055C	0		SS	Mitosis
CIN2	CTF18	YMR078C	0	SL		Chromatin/chromosome structure
CIN2	JNM1	YMR294W	0	SS	SS	Mitosis

CIN2	GIM3	YNL153C	2	SL		Cell structure
CIN2	RBL2	YOR265W	0		SL	Cell structure
CIN2	CIN1	YOR349W	0		SS	Cell structure
CIN2	NIP100	YPL174C	2	SS	SS	Mitosis
CIN4	BIK1	YCL029C	0	SS		Mitosis
CIN4	GIM4	YEL003W	0		SS	Cell structure
CIN4	CIN8	YEL061C	1		SL	Mitosis
CIN4	PAC10	YGR078C	1	SS		Cell structure
CIN4	YKE2	YLR200W	0	SL		Cell structure
CIN4	GIM5	YML094W	0	SL		Cell structure
CIN4	TUB3	YML124C	0		SS	Cell structure
CIN4	GIM3	YNL153C	1	SS		Cell structure
CIN4	RBL2	YOR265W	0		SL	Cell structure
CIN4	CIN1	YOR349W	0	SS		Cell structure
CTF4	NUP60	YAR002W	0	SS		Nuclear-cytoplasmic transport
CTF4	SWD1	YAR003W	0		SS	Chromatin/chromosome structure
CTF4	SLA1	YBL007C	0	SL		Cell polarity
CTF4	MUM2	YBR057C	2	SL		Meiosis
CTF4	MMS4	YBR100W	1	SS		DNA repair
CTF4	IML3	YBR107C	1	SS		Chromatin/chromosome structure
CTF4	AOR1	YBR231C	1	SS		Unknown
CTF4	DCC1	YCL016C	3		SL	Chromatin/chromosome structure
CTF4	MRC1	YCL060C	3		SL	DNA repair
CTF4	MRC1	YCL061C	3		SL	DNA repair
CTF4	HEX3	YDL013W	1	SS		Meiosis
CTF4	RPN4	YDL020C	0	SL		Protein degradation
CTF4	CLB3	YDL155W	0	SS		Cell cycle control
CTF4	SHS1	YDL225W	0	SS		Cytokinesis
CTF4	RAD57	YDR004W	1		SS	DNA repair
CTF4	RAD61	YDR014W	0	SL		Unknown
CTF4	RAD55	YDR076W	1		SS	DNA repair
CTF4	HTA1	YDR225W	1		SS	Chromatin/chromosome structure
CTF4	CHL4	YDR254W	0	SL		Chromatin/chromosome structure
CTF4	PMP3	YDR276C	1	SS		Small molecule transport
CTF4	MCM21	YDR318W	2		SL	Chromatin/chromosome structure
CTF4	GIM4	YEL003W	0	SL		Cell structure
CTF4	RAD23	YEL037C	1		SS	DNA repair
CTF4	CIN8	YEL061C	0		SS	Mitosis
CTF4	BIM1	YER016W	3		SL	Mitosis
CTF4	ISC1	YER019W	0	SL		Lipid metabolism
CTF4	RMD7	YER083C	1	SS		Cell wall organization and biogenesis
CTF4	RAD51	YER095W	0	SL		DNA repair
CTF4	SLX8	YER116C	2		SL	DNA repair
CTF4	CHD1	YER164W	0	SS		Chromatin/chromosome structure
CTF4	RAD24	YER173W	1		SS	DNA repair
CTF4	UBP6	YFR010W	0	SL		Protein modification
CTF4	CDC26	YFR036W	2	SL		Cell cycle control
CTF4	SSF73	YGL066W	3	SL		Pol II transcription
CTF4	MAD1	YGL086W	3		SS	Mitosis
CTF4	MMS2	YGL087C	0	SS		DNA repair
CTF4	SOH1	YGL127C	1		SS	DNA repair
CTF4	RAD54	YGL163C	1		SS	DNA repair
CTF4	HUR1	YGL168W	0	SL	SL	Unknown
CTF4	KEM1	YGL173C	0	SL		RNA processing
CTF4	KIP3	YGL216W	0	SS		Mitosis
CTF4	RTF1	YGL244W	0	SS		Pol II transcription
CTF4	PAC10	YGR078C	0	SL		Cell structure
CTF4	UBR1	YGR184C	3	SL		Protein degradation
CTF4	BUB1	YGR188C	0	SS		Mitosis
CTF4	SMI1	YGR229C	2	SS		Cell wall organization and biogenesis
CTF4	ARD1	YHR013C	0	SS		Chromatin/chromosome structure

CTF4	RRM3	YHR031C	2	SL		DNA replication
CTF4	CTF8	YHR191C	0		SL	Chromatin/chromosome structure
CTF4	RPN10	YHR200W	0	SL		Pol II transcription
CTF4	MAD3	YJL013C	0	SS		Mitosis
CTF4	MAD2	YJL030W	0		SS	Mitosis
CTF4	HPR5	YJL092W	3	SL		DNA repair
CTF4	POL32	YJR043C	0		SS	DNA replication
CTF4	SOD1	YJR104C	0		SL	Cell stress
CTF4	MCM22	YJR135C	0	SL		Chromatin/chromosome structure
CTF4	RPS4A	YJR145C	0	SS		Protein synthesis
CTF4	HSL1	YKL101W	2		SS	Cell cycle control
CTF4	RAD27	YKL113C	2		SL	DNA repair
CTF4	RAD5	YLR032W	0	SL		DNA repair
CTF4	ARP6	YLR085C	0	SS		Cell structure
CTF4	STM1	YLR150W	1	SS		Nucleotide metabolism
CTF4	TOP3	YLR234W	0	SS		Chromatin/chromosome structure
CTF4	YLR235C	YLR235C	0		SL	Unknown
CTF4	SEC22	YLR268W	0	SS		Vesicular transport
CTF4	CTF3	YLR381W	2	SS		Chromatin/chromosome structure
CTF4	TSA1	YML028W	2	SL		Cell stress
CTF4	RAD52	YML032C	1		SL	DNA repair
CTF4	GIM5	YML094W	2	SL		Cell structure
CTF4	LYS7	YMR038C	0	SS		Amino-acid metabolism
CTF4	CSM3	YMR048W	3		SL	Meiosis
CTF4	BUB2	YMR055C	0		SS	Mitosis
CTF4	CTF18	YMR078C	0	SS		Chromatin/chromosome structure
CTF4	SGS1	YMR190C	0	SS		DNA repair
CTF4	MRE11	YMR224C	0		SL	DNA repair
CTF4	GIM3	YNL153C	0	SL		Cell structure
CTF4	RAD50	YNL250W	0	SL		DNA repair
CTF4	TOF1	YNL273W	3		SL	DNA repair
CTF4	MID1	YNL291C	1	SS		Small molecule transport
CTF4	CLA4	YNL298W	2		SL	Cell polarity
CTF4	MCK1	YNL307C	0	SS		Meiosis
CTF4	BRE5	YNR051C	0	SL		Unknown
CTF4	HTZ1	YOL012C	0	SS		Chromatin/chromosome structure
CTF4	RTS1	YOR014W	1	SL		Cell stress
CTF4	BUB3	YOR026W	0		SL	Mitosis
CTF4	ELG1	YOR144C	2		SL	DNA repair
CTF4	SLK19	YOR195W	0	SS		Chromatin/chromosome structure
CTF4	YPL017C	YPL017C	0	SL		Unknown
CTF4	CTF19	YPL018W	2		SL	Chromatin/chromosome structure
CTF4	NCE4	YPL024W	0	SL		Cell wall organization and biogenesis
CTF4	LGE1	YPL055C	2	SS		Cell cycle control
CTF4	SUR1	YPL057C	3	SS		Lipid metabolism
CTF4	YPL144W	YPL144W	3	SS	SS	Meiosis
CTF4	DDC1	YPL194W	1		SS	DNA repair
CTF4	VIK1	YPL253C	1		SS	Mitosis
CTF4	YPR015C	YPR015C	0	SS		Pol II Transcription
CTF4	RLF2	YPR018W	0	SL		Chromatin/chromosome structure
CTF4	MCM16	YPR046W	0	SS		Chromatin/chromosome structure
CTF4	CLB2	YPR119W	3	SL		Cell cycle control
CTF4	CLB5	YPR120C	0	SS		Cell cycle control
CTF8	MRC1	YCL060C	0		SL	DNA repair
CTF8	MRC1	YCL061C	1		SL	DNA repair
CTF8	RAD57	YDR004W	0		SS	DNA repair
CTF8	RAD55	YDR076W	0		SS	DNA repair
CTF8	RAD9	YDR217C	0		SS	DNA repair
CTF8	HTA1	YDR225W	3		SS	Chromatin/chromosome structure
CTF8	MSN5	YDR335W	1		SS	Nuclear-cytoplasmic transport
CTF8	GIM4	YEL003W	2		SS	Cell structure

CTF8	CIN8	YEL061C	0		SL	Mitosis
CTF8	BIM1	YER016W	2		SL	Mitosis
CTF8	SLX8	YER116C	0		SL	DNA repair
CTF8	CDC26	YFR036W	1		SL	Cell cycle control
CTF8	SSF73	YGL066W	3		SS	Pol II transcription
CTF8	MAD1	YGL086W	2		SS	Mitosis
CTF8	SOH1	YGL127C	0		SS	DNA repair
CTF8	RAD54	YGL163C	0		SS	DNA repair
CTF8	PMR1	YGL167C	2		SS	Small molecule transport
CTF8	HUR1	YGL168W	2		SS	Unknown
CTF8	KEM1	YGL173C	3		SS	RNA processing
CTF8	KIP3	YGL216W	0		SS	Mitosis
CTF8	RTF1	YGL244W	2		SS	Pol II transcription
CTF8	PAC10	YGR078C	3		SS	Cell structure
CTF8	UBR1	YGR184C	0		SS	Protein degradation
CTF8	SMI1	YGR229C	2		SS	Cell wall organization and biogenesis
CTF8	RRM3	YHR031C	0		SS	DNA replication
CTF8	MAD2	YJL030W	3		SS	Mitosis
CTF8	HPR5	YJL092W	0		SS	DNA repair
CTF8	RAD5	YLR032W	1		SS	DNA repair
CTF8	ARP6	YLR085C	1		SS	Cell structure
CTF8	TOP3	YLR234W	0		SS	Chromatin/chromosome structure
CTF8	YLR235C	YLR235C	0		SS	Unknown
CTF8	RAD52	YML032C	0		SS	DNA repair
CTF8	GIM5	YML094W	0		SS	Cell structure
CTF8	LYS7	YMR038C	0		SS	Amino-acid metabolism
CTF8	CSM3	YMR048W	2		SL	Meiosis
CTF8	BUB2	YMR055C	0		SS	Mitosis
CTF8	GIM3	YNL153C	2		SS	Cell structure
CTF8	RAD50	YNL250W	0		SS	DNA repair
CTF8	TOF1	YNL273W	2		SL	DNA repair
CTF8	CLA4	YNL298W	3		SS	Cell polarity
CTF8	HTZ1	YOL012C	0		SS	Chromatin/chromosome structure
CTF8	ASE1	YOR058C	0		SS	Mitosis
CTF8	SLK19	YOR195W	2		SS	Chromatin/chromosome structure
CTF8	RAD17	YOR368W	1		SS	DNA repair
CTF8	CHL1	YPL008W	3		SL	Chromatin/chromosome structure
CTF8	LGE1	YPL055C	0		SS	Cell cycle control
CTF8	DDC1	YPL194W	0		SS	DNA repair
CTF8	VIK1	YPL253C	2		SS	Mitosis
CTF8	YPR045C	YPR045C	0		SL	Unknown
CTF8	CLB2	YPR119W	2		SS	Cell cycle control
CTF8	CTF4	YPR135W	2		SL	Chromatin/chromosome structure
CTF8	KAR3	YPR141C	3		SL	Mitosis
CTF18	LTE1	YAL024C	0	SL		Cell cycle control
CTF18	NUP60	YAR002W	0	SL		Nuclear-cytoplasmic transport
CTF18	MUM2	YBR057C	0	SL		Meiosis
CTF18	UBC4	YBR082C	1		SL	Protein degradation
CTF18	MRPL36	YBR122C	0	SL		Protein synthesis
CTF18	MRC1	YCL060C	3	SL		DNA repair
CTF18	MRC1	YCL061C	1	SL		DNA repair
CTF18	RAD57	YDR004W	0	SS		DNA repair
CTF18	RAD55	YDR076W	1		SS	DNA repair
CTF18	RAD9	YDR217C	0	SL		DNA repair
CTF18	GIM4	YEL003W	0	SL		Cell structure
CTF18	RAD23	YEL037C	1		SS	DNA repair
CTF18	CIN8	YEL061C	0		SL	Mitosis
CTF18	PAC2	YER007W	0	SL		Cell structure
CTF18	BIM1	YER016W	2	SL		Mitosis
CTF18	RAD51	YER095W	1		SS	DNA repair
CTF18	SLX8	YER116C	1		SL	DNA repair

CTF18	RAD24	YER173W	0	SL		DNA repair
CTF18	CDC26	YFR036W	2	SL		Cell cycle control
CTF18	MAD1	YGL086W	2	SL		Mitosis
CTF18	SOH1	YGL127C	1		SS	DNA repair
CTF18	RAD54	YGL163C	0	SS		DNA repair
CTF18	KIP3	YGL216W	0	SL		Mitosis
CTF18	YGL217C	YGL217C	1		SS	Unknown
CTF18	PAC10	YGR078C	0	SL		Cell structure
CTF18	BUB1	YGR188C	0	SL		Mitosis
CTF18	MAD3	YJL013C	0		SL	Mitosis
CTF18	MAD2	YJL030W	0	SS		Mitosis
CTF18	HPR5	YJL092W	2		SL	DNA repair
CTF18	POL32	YJR043C	0	SL		DNA replication
CTF18	RPS4A	YJR145C	3	SL		Protein synthesis
CTF18	ELM1	YKL048C	0	SL		Cell polarity
CTF18	HSL1	YKL101W	0	SL		Cell cycle control
CTF18	RAD27	YKL113C	1		SS	DNA repair
CTF18	RAD5	YLR032W	0	SS		DNA repair
CTF18	ARP6	YLR085C	1		SS	Cell structure
CTF18	CLB4	YLR210W	1		SS	Cell cycle control
CTF18	TOP3	YLR234W	1		SL	Chromatin/chromosome structure
CTF18	VPS63	YLR261C	1		SS	Vacuolar organization and biogenesis
CTF18	RAD52	YML032C	1		SS	DNA repair
CTF18	GIM5	YML094W	0		SL	Cell structure
CTF18	LYS7	YMR038C	0	SL		Amino-acid metabolism
CTF18	CSM3	YMR048W	0		SL	Meiosis
CTF18	SGS1	YMR190C	1		SL	DNA repair
CTF18	CIK1	YMR198W	0	SL		Mitosis
CTF18	MRE11	YMR224C	0	SL		DNA repair
CTF18	GIM3	YNL153C	0		SL	Cell structure
CTF18	RAD50	YNL250W	0	SL		DNA repair
CTF18	TOF1	YNL273W	0	SL		DNA repair
CTF18	CLA4	YNL298W	0	SL		Cell polarity
CTF18	MCK1	YNL307C	0	SL		Meiosis
CTF18	HTZ1	YOL012C	0	SL		Chromatin/chromosome structure
CTF18	BUB3	YOR026W	0	SL		Mitosis
CTF18	SLK19	YOR195W	0	SL		Chromatin/chromosome structure
CTF18	CIN1	YOR349W	0	SL		Cell structure
CTF18	CHL1	YPL008W	2	SL		Chromatin/chromosome structure
CTF18	DDC1	YPL194W	0	SL		DNA repair
CTF18	YPL205C	YPL205C	0	SL		Meiosis
CTF18	CIN2	YPL241C	0	SL		Cell structure
CTF18	VIK1	YPL253C	3	SL		Mitosis
CTF18	CLB2	YPR119W	3	SL		Cell cycle control
CTF18	CTF4	YPR135W	0	SL		Chromatin/chromosome structure
DCC1	LTE1	YAL024C	0		SL	Cell cycle control
DCC1	NUP60	YAR002W	0	SS		Nuclear-cytoplasmic transport
DCC1	AOR1	YBR231C	1	SS		Unknown
DCC1	MRC1	YCL060C	0		SL	DNA repair
DCC1	MRC1	YCL061C	2		SL	DNA repair
DCC1	HEX3	YDL013W	1	SS		Meiosis
DCC1	RPN4	YDL020C	0	SL		Protein degradation
DCC1	RAD57	YDR004W	1		SS	DNA repair
DCC1	UME6	YDR207C	1	SL		Meiosis
DCC1	RAD9	YDR217C	2		SL	DNA repair
DCC1	RAD23	YEL037C	0		SL	DNA repair
DCC1	PAC2	YER007W	1	SL		Cell structure
DCC1	BIM1	YER016W	2	SS		Mitosis
DCC1	ISC1	YER019W	1		SL	Lipid metabolism
DCC1	RAD51	YER095W	1		SS	DNA repair
DCC1	CHD1	YER164W	1	SS		Chromatin/chromosome structure

DCC1	SSF73	YGL066W	2	SS	SL	Pol II transcription
DCC1	MAD1	YGL086W	2		SL	Mitosis
DCC1	RAD54	YGL163C	1		SS	DNA repair
DCC1	KEM1	YGL173C	0	SL		RNA processing
DCC1	RTF1	YGL244W	0	SL		Pol II transcription
DCC1	UBR1	YGR184C	1	SS		Protein degradation
DCC1	BUB1	YGR188C	1	SL		Mitosis
DCC1	RRM3	YHR031C	1	SL		DNA replication
DCC1	RPN10	YHR200W	0	SL		Pol II transcription
DCC1	MAD3	YJL013C	1		SS	Mitosis
DCC1	MAD2	YJL030W	0		SL	Mitosis
DCC1	HPR5	YJL092W	1	SL		DNA repair
DCC1	POL32	YJR043C	1	SS		DNA replication
DCC1	RPS4A	YJR145C	0	SS		Protein synthesis
DCC1	HSL1	YKL101W	1	SL		Cell cycle control
DCC1	RAD27	YKL113C	1		SS	DNA repair
DCC1	YLR235C	YLR235C	1	SS		Unknown
DCC1	TSA1	YML028W	1	SL		Cell stress
DCC1	RAD52	YML032C	0		SS	DNA repair
DCC1	GIM5	YML094W	2	SL		Cell structure
DCC1	LYS7	YMR038C	0	SS		Amino-acid metabolism
DCC1	CSM3	YMR048W	3	SL		Meiosis
DCC1	SPT21	YMR179W	1	SL		Pol II transcription
DCC1	SGS1	YMR190C	1		SS	DNA repair
DCC1	CIK1	YMR198W	3	SL		Mitosis
DCC1	MRE11	YMR224C	0	SL		DNA repair
DCC1	GIM3	YNL153C	3		SL	Cell structure
DCC1	RTT106	YNL206C	1	SS		Unknown
DCC1	RAD50	YNL250W	1	SL		DNA repair
DCC1	TOF1	YNL273W	2	SS		DNA repair
DCC1	CLA4	YNL298W	3		SL	Cell polarity
DCC1	HTZ1	YOL012C	3		SS	Chromatin/chromosome structure
DCC1	SLK19	YOR195W	1	SL		Chromatin/chromosome structure
DCC1	CIN1	YOR349W	2	SS		Cell structure
DCC1	CHL1	YPL008W	3	SS		Chromatin/chromosome structure
DCC1	DDC1	YPL194W	1		SS	DNA repair
DCC1	CIN2	YPL241C	1	SL		Cell structure
DCC1	VMA13	YPR036W	1	SL		Vacuolar organization and biogenesis
DCC1	CLB2	YPR119W	3	SS		Cell cycle control
DCC1	CLB5	YPR120C	0	SL		Cell cycle control
DCC1	CTF4	YPR135W	0	SL		Chromatin/chromosome structure
DCC1	KAR3	YPR141C	0	SL		Mitosis
SCC1-73	DCC1	YCL016C	2	SL		Chromatin/chromosome structure
SCC1-73	MRC1	YCL060C	3	SL		DNA repair
SCC1-73	CHL4	YDR254W	1	SS		Chromatin/chromosome structure
SCC1-73	MCM21	YDR318W	3	SL		Chromatin/chromosome structure
SCC1-73	CIN8	YEL061C	1		SL	Mitosis
SCC1-73	BIM1	YER016W	1	SS		Mitosis
SCC1-73	YGL250W	YGL250W	1		SS	Unknown
SCC1-73	BUB1	YGR188C	1		SL	Mitosis
SCC1-73	CTF8	YHR191C	3	SL		Chromatin/chromosome structure
SCC1-73	MCM22	YJR135C	3	SS		Chromatin/chromosome structure
SCC1-73	CTF3	YLR381W	3	SS		Chromatin/chromosome structure
SCC1-73	GIM5	YML094W	2		SS	Cell structure
SCC1-73	CSM3	YMR048W	3	SL		Meiosis
SCC1-73	CTF18	YMR078C	1	SL		Chromatin/chromosome structure
SCC1-73	GIM3	YNL153C	2		SS	Cell structure
SCC1-73	TOF1	YNL273W	3	SL		DNA repair
SCC1-73	BUB3	YOR026W	0	SS		Mitosis
SCC1-73	CHL1	YPL008W	3	SL		Chromatin/chromosome structure
SCC1-73	YPL017C	YPL017C	3	SL		Unknown

SCC1-73	CTF19	YPL018W	2	SL		Chromatin/chromosome structure
SCC1-73	MCM16	YPR046W	1	SS		Chromatin/chromosome structure
SCC1-73	CTF4	YPR135W	1	SL		Chromatin/chromosome structure
SCC1-73	KAR3	YPR141C	1		SL	Mitosis
CHL1	DCC1	YCL016C	2	SL	SL	Chromatin/chromosome structure
CHL1	MRC1	YCL060C	3	SL		DNA repair
CHL1	RAD61	YDR014W	2	SS		Unknown
CHL1	CHL4	YDR254W	2		SS	Chromatin/chromosome structure
CHL1	MCM21	YDR318W	1	SL		Chromatin/chromosome structure
CHL1	CIN8	YEL061C	0		SL	Mitosis
CHL1	BIM1	YER016W	3	SL		Mitosis
CHL1	MAD1	YGL086W	3	SL		Mitosis
CHL1	BUB1	YGR188C	0	SL		Mitosis
CHL1	CTF8	YHR191C	2	SL	SL	Chromatin/chromosome structure
CHL1	MAD3	YJL013C	0		SS	Mitosis
CHL1	MAD2	YJL030W	3	SS		Mitosis
CHL1	HPR5	YJL092W	1	SS		DNA repair
CHL1	MCM22	YJR135C	0	SS		Chromatin/chromosome structure
CHL1	RAD27	YKL113C	1		SS	DNA repair
CHL1	YKE2	YLR200W	1	SS		Cell structure
CHL1	NKP2	YLR315W	0		SS	Chromatin/chromosome structure
CHL1	CTF3	YLR381W	2	SS		Chromatin/chromosome structure
CHL1	GIM5	YML094W	1		SL	Cell structure
CHL1	CTF18	YMR078C	0		SL	Chromatin/chromosome structure
CHL1	GIM3	YNL153C	2	SL		Cell structure
CHL1	RTS1	YOR014W	0	SL		Cell stress
CHL1	ELG1	YOR144C	3	SL	SL	DNA repair
CHL1	CTF19	YPL018W	0	SL		Chromatin/chromosome structure
CHL1	MCM16	YPR046W	0	SS		Chromatin/chromosome structure
CHL1	CLB2	YPR119W	1		SS	Cell cycle control
MAD2	IML3	YBR107C	0	SS		Chromatin/chromosome structure
MAD2	SOY	YBR194W	0	SS		Unknown
MAD2	BIK1	YCL029C	0		SS	Mitosis
MAD2	HCM1	YCR065W	3	SL		Pol II transcription
MAD2	CHL4	YDR254W	1	SS		Chromatin/chromosome structure
MAD2	MCM21	YDR318W	0	SL		Chromatin/chromosome structure
MAD2	VID21	YDR359C	1	SL		Unknown
MAD2	GIM4	YEL003W	2	SS		Cell structure
MAD2	CIN8	YEL061C	1		SL	Mitosis
MAD2	PAC2	YER007W	0	SS		Cell structure
MAD2	BIM1	YER016W	3	SL		Mitosis
MAD2	YGL060W	YGL060W	2	SL		Unknown
MAD2	PAC10	YGR078C	0	SS		Cell structure
MAD2	CTF8	YHR191C	1	SS		Chromatin/chromosome structure
MAD2	YJL064W	YJL064W	0	SS		Unknown
MAD2	MCM22	YJR135C	0		SS	Chromatin/chromosome structure
MAD2	YKE2	YLR200W	0		SL	Cell structure
MAD2	CTF3	YLR381W	1	SS		Chromatin/chromosome structure
MAD2	GIM5	YML094W	0	SS		Cell structure
MAD2	YML095C-A	YML095C-A	1	SS		Unknown
MAD2	RAS2	YNL098C	1	SS		Signal transduction
MAD2	GIM3	YNL153C	2	SL		Cell structure
MAD2	HTZ1	YOL012C	1	SS		Chromatin/chromosome structure
MAD2	SLK19	YOR195W	1	SS		Chromatin/chromosome structure
MAD2	CIN1	YOR349W	2	SL		Cell structure
MAD2	CHL1	YPL008W	0	SS		Chromatin/chromosome structure
MAD2	YPL017C	YPL017C	0	SL		Unknown
MAD2	CTF19	YPL018W	2	SL		Chromatin/chromosome structure
MAD2	CIN2	YPL241C	1	SL		Cell structure
MAD2	MCM16	YPR046W	1	SS		Chromatin/chromosome structure
MAD2	CTF4	YPR135W	0	SS		Chromatin/chromosome structure

MAD2	KAR3	YPR141C	0	SL		Mitosis
YKE2	VPS8	YAL002W	1		SS	Vesicular transport
YKE2	SSA1	YAL005C	2	SS		Protein folding
YKE2	SWC1	YAL011W	3	SL		Unknown
YKE2	YAL042C-a	YAL043C-a	1	SS		Unknown
YKE2	SLA1	YBL007C	2	SL		Cell polarity
YKE2	HAP3	YBL021C	1	SS		Pol II transcription
YKE2	NCL1	YBL024W	1	SL		RNA processing
YKE2	PIN4	YBL051C	2	SL		RNA processing
YKE2	SIF2	YBR103W	0	SL		Chromatin/chromosome structure
YKE2	IML3	YBR107C	0	SL		Chromatin/chromosome structure
YKE2	RAD16	YBR114W	1	SS		DNA repair
YKE2	CBP6	YBR120C	2	SS		Protein synthesis
YKE2	SEC66	YBR171W	2	SL		Vesicular transport
YKE2	PCH2	YBR186W	1	SS		Meiosis
YKE2	BEM1	YBR200W	1	SL		Cell polarity
YKE2	AOR1	YBR231C	3	SL		Unknown
YKE2	YBR255W	YBR255W	1	SS		Unknown
YKE2	DCC1	YCL016C	3	SL		Chromatin/chromosome structure
YKE2	BIK1	YCL029C	3	SL		Mitosis
YKE2	SNT1	YCR033W	0	SS		Chromatin/chromosome structure
YKE2	CSM1	YCR086W	1	SS		Meiosis
YKE2	RPN4	YDL020C	1		SL	Protein degradation
YKE2	YDL033C	YDL033C	2	SS	SS	Unknown
YKE2	CLB3	YDL155W	1	SS		Cell cycle control
YKE2	MKC7	YDR144C	1	SS		Unknown
YKE2	YDR149C	YDR149C	2	SL		Unknown
YKE2	NUM1	YDR150W	2	SL		Mitosis
YKE2	CPR1	YDR155C	1	SS		Protein folding
YKE2	PLP1	YDR183W	1	SS		Mating response
YKE2	CHL4	YDR254W	2	SL		Chromatin/chromosome structure
YKE2	PMP3	YDR276C	1	SL		Small molecule transport
YKE2	RTT103	YDR289C	1	SS		Unknown
YKE2	SSD1	YDR293C	2	SS		Cell cycle control
YKE2	SUM1	YDR310C	3	SL		Chromatin/chromosome structure
YKE2	MCM21	YDR318W	0	SS		Chromatin/chromosome structure
YKE2	SWR1	YDR334W	2	SL		Unknown
YKE2	YDR360W	YDR360W	1	SS		Unknown
YKE2	DYN2	YDR424C	0	SS		Mitosis
YKE2	VPS72	YDR485C	1	SL		Vesicular transport
YKE2	PAC11	YDR488C	1	SL		Mitosis
YKE2	SPF1	YEL031W	1	SS		Small molecule transport
YKE2	YEL041W	YEL041W	1	SS		Unknown
YKE2	MAK10	YEL053C	1	SS		Protein modification
YKE2	HAT2	YEL056W	1	SS		Chromatin/chromosome structure
YKE2	CIN8	YEL061C	1	SS		Mitosis
YKE2	PAC2	YER007W	2	SL		Cell structure
YKE2	BIM1	YER016W	3	SL		Mitosis
YKE2	ISC1	YER019W	1	SS		Lipid metabolism
YKE2	BEM2	YER155C	0	SS		Cell polarity
YKE2	FAB1	YFR019W	0	SL		Lipid metabolism
YKE2	MAD1	YGL086W	3	SL		Mitosis
YKE2	MMS2	YGL087C	0	SS		DNA repair
YKE2	KEM1	YGL173C	1	SS		RNA processing
YKE2	HOS2	YGL194C	1	SS		Chromatin/chromosome structure
YKE2	HAP2	YGL237C	2	SS		Pol II transcription
YKE2	YGL242C	YGL242C	1	SS		Unknown
YKE2	HXK2	YGL253W	1	SS		Carbohydrate metabolism
YKE2	UGA1	YGR019W	1	SS		Amino-acid metabolism
YKE2	SHY1	YGR112W	2	SS		Energy generation
YKE2	BUB1	YGR188C	0	SL		Mitosis

YKE2	YTA7	YGR270W	1	SS		Vacuolar organization and biogenesis
YKE2	VPS29	YHR012W	1	SS		Vesicular transport
YKE2	SLT2	YHR030C	0	SS		Cell wall organization and biogenesis
YKE2	UBA4	YHR111W	0	SS		Protein modification
YKE2	ARP1	YHR129C	2	SS		Mitosis
YKE2	WSS1	YHR134W	1	SS		DNA repair
YKE2	STB5	YHR178W	0	SS		Pol II transcription
YKE2	CTF8	YHR191C	2	SS		Chromatin/chromosome structure
YKE2	URM1	YIL008W	1	SS		Protein modification
YKE2	CAP2	YIL034C	2	SS		Cell structure
YKE2	SDS3	YIL084C	1	SS		Chromatin/chromosome structure
YKE2	PRK1	YIL095W	1	SS		Cell polarity
YKE2	MAD3	YJL013C	0	SS		Mitosis
YKE2	BBC1	YJL020C	1		SL	Cell polarity
YKE2	MAD2	YJL030W	3		SL	Mitosis
YKE2	BCK1	YJL095W	1	SS		Cell wall organization and biogenesis
YKE2	MNN11	YJL183W	2	SS		Protein modification
YKE2	RPS22A	YJL190C	1	SS		Protein synthesis
YKE2	CPR7	YJR032W	1	SS		Protein folding
YKE2	BFA1	YJR053W	1	SL		Mitosis
YKE2	HOC1	YJR075W	0	SS		Cell wall organization and biogenesis
YKE2	STE24	YJR117W	3	SL		Protein modification
YKE2	MCM22	YJR135C	0	SS		Chromatin/chromosome structure
YKE2	PAN3	YKL025C	2	SS		DNA repair
YKE2	ELM1	YKL048C	2	SS		Cell polarity
YKE2	YKL118W	YKL118W	1	SS		Unknown
YKE2	DYN1	YKR054C	0	SS		Mitosis
YKE2	YLL049W	YLL049W	1	SS		Unknown
YKE2	ARP6	YLR085C	2	SS		Cell structure
YKE2	YLR089C	YLR089C	1	SS		Mitochondrion organization and biogenesis
YKE2	EST1	YLR233C	0	SS		Chromatin/chromosome structure
YKE2	TOP3	YLR234W	1	SS		Chromatin/chromosome structure
YKE2	SEC72	YLR292C	1	SS		Protein translocation
YKE2	VRP1	YLR337C	1	SS		Cell polarity
YKE2	CTF3	YLR381W	1	SS		Chromatin/chromosome structure
YKE2	VAC14	YLR386W	2	SS		Vacuolar organization and biogenesis
YKE2	PPZ1	YML016C	1	SS		Signal transduction
YKE2	RAD52	YML032C	1	SS		DNA repair
YKE2	VPS71	YML041C	2	SS		Vesicular transport
YKE2	TUB3	YML124C	3		SL	Cell structure
YKE2	MAC1	YMR021C	0	SS		Pol II transcription
YKE2	BUB2	YMR055C	2	SL		Mitosis
YKE2	CTF18	YMR078C	1	SS		Chromatin/chromosome structure
YKE2	MYO5	YMR109W	1	SS		Cell polarity
YKE2	CIN4	YMR138W	3	SL		Cell structure
YKE2	RIM13	YMR154C	1	SS		Meiosis
YKE2	RSN1	YMR266W	1	SS		Unknown
YKE2	JNM1	YMR294W	3	SS		Mitosis
YKE2	YMR299C	YMR299C	2	SS		Mitosis
YKE2	ELP6	YMR312W	1		SL	Pol II transcription
YKE2	PET8	YNL003C	2	SS		Small molecule transport
YKE2	YNL140C	YNL140C	1	SS		Unknown
YKE2	CAF40	YNL288W	1	SS		Pol II transcription
YKE2	RIM21	YNL294C	1	SS		Unknown
YKE2	CLA4	YNL298W	2	SS		Cell polarity
YKE2	HTZ1	YOL012C	2	SL		Chromatin/chromosome structure
YKE2	AHC1	YOR023C	1		SL	Protein modification
YKE2	BUB3	YOR026W	0	SL		Mitosis
YKE2	ASE1	YOR058C	0	SS		Mitosis
YKE2	RGA1	YOR127W	1	SS		Cell polarity
YKE2	RUD3	YOR216C	1	SS		Vesicular transport

YKE2	DSE3	YOR264W	2	SL		Differentiation
YKE2	RBL2	YOR265W	3	SL		Cell structure
YKE2	PNT1	YOR266W	3	SL		Mitochondrion organization and biogenesis
YKE2	PAC1	YOR269W	2	SS		Mitosis
YKE2	YOR296W	YOR296W	1	SS		Unknown
YKE2	CIN1	YOR349W	3	SL		Cell structure
YKE2	MNE1	YOR350C	2	SS		Unknown
YKE2	HAP5	YOR358W	3	SS		Pol II transcription
YKE2	CHL1	YPL008W	2	SL		Chromatin/chromosome structure
YKE2	YPL017C	YPL017C	1	SS		Unknown
YKE2	CTF19	YPL018W	3	SL		Chromatin/chromosome structure
YKE2	KIP2	YPL155C	3	SL		Mitosis
YKE2	SET6	YPL165C	0	SS		Unknown
YKE2	NIP100	YPL174C	2	SL		Mitosis
YKE2	CBP3	YPL215W	2	SS		Energy generation
YKE2	CIN2	YPL241C	3	SL		Cell structure
YKE2	VIK1	YPL253C	0	SS		Mitosis
YKE2	KAR9	YPL269W	2	SS		Mitosis
YKE2	EAF3	YPR023C	1	SS		Pol II Transcription
YKE2	MCM16	YPR046W	1	SL		Chromatin/chromosome structure
YKE2	MED1	YPR070W	0	SS		Chromatin/chromosome structure
YKE2	CTF4	YPR135W	2		SS	Chromatin/chromosome structure
YKE2	KAR3	YPR141C	3	SL		Mitosis
PAC10	VPS8	YAL002W	1	SS		Vesicular transport
PAC10	SWC1	YAL011W	3	SL		Unknown
PAC10	DRS2	YAL026C	1	SS		Vesicular transport
PAC10	BUD14	YAR014C	1	SS		Cell polarity
PAC10	SLA1	YBL007C	1	SL		Cell polarity
PAC10	NCL1	YBL024W	3	SL		RNA processing
PAC10	PIN4	YBL051C	1		SS	RNA processing
PAC10	SIF2	YBR103W	1	SS		Chromatin/chromosome structure
PAC10	IML3	YBR107C	2	SL		Chromatin/chromosome structure
PAC10	YBR108W	YBR108W	1	SS		Unknown
PAC10	RAD16	YBR114W	0	SL		DNA repair
PAC10	SEC66	YBR171W	0	SL		Vesicular transport
PAC10	AOR1	YBR231C	2	SL		Unknown
PAC10	YBR255W	YBR255W	1	SS		Unknown
PAC10	DCC1	YCL016C	0	SL		Chromatin/chromosome structure
PAC10	BIK1	YCL029C	3	SL		Mitosis
PAC10	SNT1	YCR033W	0	SL		Chromatin/chromosome structure
PAC10	PER1	YCR044C	0	SL		Other metabolism
PAC10	YCR082W	YCR082W	1	SS		Unknown
PAC10	CSM1	YCR086W	0	SL		Meiosis
PAC10	RPN4	YDL020C	1	SL		Protein degradation
PAC10	CLB3	YDL155W	0	SL		Cell cycle control
PAC10	UGA3	YDL170W	2	SS		Pol II transcription
PAC10	MKC7	YDR144C	1		SL	Unknown
PAC10	YDR149C	YDR149C	0	SL		Unknown
PAC10	NUM1	YDR150W	0	SL		Mitosis
PAC10	PLP1	YDR183W	1	SS		Mating response
PAC10	CHL4	YDR254W	3	SL		Chromatin/chromosome structure
PAC10	PMP3	YDR276C	1	SL		Small molecule transport
PAC10	RTT103	YDR289C	1	SS		Unknown
PAC10	SSD1	YDR293C	3	SS		Cell cycle control
PAC10	SUM1	YDR310C	3	SL		Chromatin/chromosome structure
PAC10	MCM21	YDR318W	0	SL		Chromatin/chromosome structure
PAC10	SWR1	YDR334W	1	SL		Unknown
PAC10	YDR360W	YDR360W	1	SS		Unknown
PAC10	DYN2	YDR424C	0	SL		Mitosis
PAC10	VPS72	YDR485C	1	SS		Vesicular transport
PAC10	PAC11	YDR488C	0		SL	Mitosis

PAC10	SPF1	YEL031W	2	SS		Small molecule transport
PAC10	UTR4	YEL038W	1	SS		Unknown
PAC10	CYC7	YEL039C	1		SL	Energy generation
PAC10	YEL041W	YEL041W	1		SS	Unknown
PAC10	AFG1	YEL052W	1		SS	Protein folding
PAC10	MAK10	YEL053C	2	SL		Protein modification
PAC10	HAT2	YEL056W	1	SS		Chromatin/chromosome structure
PAC10	CIN8	YEL061C	0	SL		Mitosis
PAC10	PAC2	YER007W	3	SL		Cell structure
PAC10	BIM1	YER016W	3	SL		Mitosis
PAC10	PEA2	YER149C	1	SL		Cell polarity
PAC10	BEM2	YER155C	1		SS	Cell polarity
PAC10	BMH1	YER177W	0		SL	Differentiation
PAC10	FAB1	YFR019W	0		SL	Lipid metabolism
PAC10	MAD1	YGL086W	3	SL		Mitosis
PAC10	MMS2	YGL087C	2	SS		DNA repair
PAC10	KEM1	YGL173C	2	SS		RNA processing
PAC10	HOS2	YGL194C	1	SS		Chromatin/chromosome structure
PAC10	YGL242C	YGL242C	1	SS		Unknown
PAC10	HXK2	YGL253W	2	SS		Carbohydrate metabolism
PAC10	YGR054W	YGR054W	2	SS		Unknown
PAC10	CLB1	YGR108W	2	SS		Cell cycle control
PAC10	SHY1	YGR112W	2	SS		Energy generation
PAC10	SMI1	YGR229C	1	SL		Cell wall organization and biogenesis
PAC10	HSE1	YHL002W	0		SS	Transport
PAC10	YHL029C	YHL029C	2	SS		Unknown
PAC10	VPS29	YHR012W	2	SS		Vesicular transport
PAC10	UBA4	YHR111W	2	SS		Protein modification
PAC10	BZZ1	YHR114W	0	SS		Cell polarity
PAC10	ARP1	YHR129C	0	SS		Mitosis
PAC10	WSS1	YHR134W	1	SS		DNA repair
PAC10	STB5	YHR178W	2		SS	Pol II transcription
PAC10	CTF8	YHR191C	0	SS		Chromatin/chromosome structure
PAC10	URM1	YIL008W	1	SS		Protein modification
PAC10	CAP2	YIL034C	1		SS	Cell structure
PAC10	SDS3	YIL084C	1		SS	Chromatin/chromosome structure
PAC10	PRK1	YIL095W	1	SS		Cell polarity
PAC10	MAD3	YJL013C	0	SL		Mitosis
PAC10	BBC1	YJL020C	1	SS		Cell polarity
PAC10	MAD2	YJL030W	0	SL		Mitosis
PAC10	RPS22A	YJL190C	1	SS		Protein synthesis
PAC10	CPR7	YJR032W	0		SL	Protein folding
PAC10	BFA1	YJR053W	3	SL		Mitosis
PAC10	HOC1	YJR075W	3	SS		Cell wall organization and biogenesis
PAC10	STE24	YJR117W	2	SL		Protein modification
PAC10	YJR129C	YJR129C	2	SL		Unknown
PAC10	MCM22	YJR135C	2	SL		Chromatin/chromosome structure
PAC10	ELM1	YKL048C	1	SS		Cell polarity
PAC10	DYN1	YKR054C	0		SS	Mitosis
PAC10	DNM1	YLL001W	1	SS		Cell structure
PAC10	MMM1	YLL006W	1	SS		Cell structure
PAC10	YLL007C	YLL007C	1	SS		Unknown
PAC10	YLL049W	YLL049W	2	SL		Unknown
PAC10	ARP6	YLR085C	1	SL		Cell structure
PAC10	YLR089C	YLR089C	2	SL		Mitochondrion organization and biogenesis
PAC10	CLB4	YLR210W	0	SS		Cell cycle control
PAC10	TOP3	YLR234W	1	SS		Chromatin/chromosome structure
PAC10	SEC72	YLR292C	3	SL		Protein translocation
PAC10	VRP1	YLR337C	1		SL	Cell polarity
PAC10	CTF3	YLR381W	2	SL		Chromatin/chromosome structure
PAC10	RAD52	YML032C	1	SS		DNA repair

PAC10	TUB3	YML124C	3	SL		Cell structure
PAC10	BUB2	YMR055C	0	SS		Mitosis
PAC10	CTF18	YMR078C	0	SL		Chromatin/chromosome structure
PAC10	MYO5	YMR109W	1	SS		Cell polarity
PAC10	CIN4	YMR138W	2	SS		Cell structure
PAC10	RIM13	YMR154C	1	SS		Meiosis
PAC10	HOT1	YMR172W	1	SS		Cell stress
PAC10	JNM1	YMR294W	3	SL		Mitosis
PAC10	YMR299C	YMR299C	1	SS		Mitosis
PAC10	ELP6	YMR312W	2		SS	Pol II transcription
PAC10	YNL140C	YNL140C	1	SS		Unknown
PAC10	BNI5	YNL166C	1	SL		Cytokinesis
PAC10	CAF40	YNL288W	1	SL		Pol II transcription
PAC10	RIM21	YNL294C	1	SL		Unknown
PAC10	CLA4	YNL298W	0	SS		Cell polarity
PAC10	HTZ1	YOL012C	0	SL		Chromatin/chromosome structure
PAC10	RTG1	YOL067C	1	SS		Carbohydrate metabolism
PAC10	AHC1	YOR023C	0	SL		Protein modification
PAC10	BUB3	YOR026W	1	SS		Mitosis
PAC10	ASE1	YOR058C	2	SS		Mitosis
PAC10	RGA1	YOR127W	0	SL		Cell polarity
PAC10	VPS17	YOR132W	2	SL		Vesicular transport
PAC10	RUD3	YOR216C	2	SL		Vesicular transport
PAC10	DSE3	YOR264W	3	SL		Differentiation
PAC10	RBL2	YOR265W	3	SL		Cell structure
PAC10	PNT1	YOR266W	3	SL		Mitochondrion organization and biogenesis
PAC10	PAC1	YOR269W	3	SL		Mitosis
PAC10	SPS4	YOR313C	0	SS		Meiosis
PAC10	CIN1	YOR349W	3	SL		Cell structure
PAC10	CHL1	YPL008W	0	SL		Chromatin/chromosome structure
PAC10	YPL017C	YPL017C	1	SS		Unknown
PAC10	CTF19	YPL018W	0	SL		Chromatin/chromosome structure
PAC10	BEM3	YPL115C	1	SL		Cell polarity
PAC10	KIP2	YPL155C	3	SS		Mitosis
PAC10	BEM4	YPL161C	1	SS		Cell polarity
PAC10	SET6	YPL165C	2	SS		Unknown
PAC10	NIP100	YPL174C	3	SL		Mitosis
PAC10	CIN2	YPL241C	3	SL		Cell structure
PAC10	VIK1	YPL253C	3	SL		Mitosis
PAC10	KAR9	YPL269W	0	SL		Mitosis
PAC10	EAF3	YPR023C	1	SS		Pol II Transcription
PAC10	MCM16	YPR046W	1	SS		Chromatin/chromosome structure
PAC10	YPR050C	YPR050C	2	SL		Unknown
PAC10	MAK3	YPR051W	1	SS		Protein modification
PAC10	MED1	YPR070W	1	SS		Chromatin/chromosome structure
PAC10	CTF4	YPR135W	1	SL		Chromatin/chromosome structure
PAC10	KAR3	YPR141C	1	SS		Mitosis
GIM3	SWC1	YAL011W	2	SL		Unknown
GIM3	SLA1	YBL007C	3	SL		Cell polarity
GIM3	NCL1	YBL024W	0	SL		RNA processing
GIM3	SIF2	YBR103W	1	SS		Chromatin/chromosome structure
GIM3	IML3	YBR107C	1	SS		Chromatin/chromosome structure
GIM3	YBR108W	YBR108W	1	SS		Unknown
GIM3	SEC66	YBR171W	2	SL		Vesicular transport
GIM3	BEM1	YBR200W	0	SL		Cell polarity
GIM3	AOR1	YBR231C	0	SL		Unknown
GIM3	BSD2	YBR290W	1		SS	Transport
GIM3	DCC1	YCL016C	3	SL		Chromatin/chromosome structure
GIM3	BIK1	YCL029C	3	SL		Mitosis
GIM3	PER1	YCR044C	1	SS		Other metabolism
GIM3	CSM1	YCR086W	1	SS		Meiosis

GIM3	CLB3	YDL155W	1	SS		Cell cycle control
GIM3	UGA3	YDL170W	1	SS		Pol II transcription
GIM3	YDR149C	YDR149C	3	SS		Unknown
GIM3	NUM1	YDR150W	3	SS		Mitosis
GIM3	PLP1	YDR183W	2	SS		Mating response
GIM3	CHL4	YDR254W	0	SL		Chromatin/chromosome structure
GIM3	PMP3	YDR276C	1	SS		Small molecule transport
GIM3	RTT103	YDR289C	0	SS		Unknown
GIM3	SSD1	YDR293C	0	SS		Cell cycle control
GIM3	SUM1	YDR310C	3	SL		Chromatin/chromosome structure
GIM3	MCM21	YDR318W	2	SL		Chromatin/chromosome structure
GIM3	SWR1	YDR334W	2	SL		Unknown
GIM3	YDR360W	YDR360W	1	SS		Unknown
GIM3	DYN2	YDR424C	2	SS		Mitosis
GIM3	VPS72	YDR485C	2	SL		Vesicular transport
GIM3	PAC11	YDR488C	1	SS		Mitosis
GIM3	CIN8	YEL061C	0		SL	Mitosis
GIM3	PAC2	YER007W	3	SL		Cell structure
GIM3	BIM1	YER016W	3	SL		Mitosis
GIM3	BEM2	YER155C	2	SL		Cell polarity
GIM3	BMH1	YER177W	1	SS		Differentiation
GIM3	FAB1	YFR019W	2	SL		Lipid metabolism
GIM3	MAD1	YGL086W	3	SL		Mitosis
GIM3	HXK2	YGL253W	1		SL	Carbohydrate metabolism
GIM3	YGR054W	YGR054W	1	SS		Unknown
GIM3	BUB1	YGR188C	0		SL	Mitosis
GIM3	SMI1	YGR229C	1	SS		Cell wall organization and biogenesis
GIM3	YTA7	YGR270W	1	SS		Vacuolar organization and biogenesis
GIM3	VPS29	YHR012W	2	SS		Vesicular transport
GIM3	SLT2	YHR030C	1	SS		Cell wall organization and biogenesis
GIM3	UBA4	YHR111W	0	SS		Protein modification
GIM3	ARP1	YHR129C	3	SL		Mitosis
GIM3	STB5	YHR178W	1	SL		Pol II transcription
GIM3	CTF8	YHR191C	0	SL		Chromatin/chromosome structure
GIM3	PRK1	YIL095W	1	SS		Cell polarity
GIM3	MAD3	YJL013C	1		SL	Mitosis
GIM3	BBC1	YJL020C	1	SS		Cell polarity
GIM3	MAD2	YJL030W	2	SL		Mitosis
GIM3	BCK1	YJL095W	0	SL		Cell wall organization and biogenesis
GIM3	MNN11	YJL183W	1	SS		Protein modification
GIM3	RPS22A	YJL190C	1		SL	Protein synthesis
GIM3	CPR7	YJR032W	2	SS		Protein folding
GIM3	BFA1	YJR053W	3	SL		Mitosis
GIM3	HOC1	YJR075W	3	SL		Cell wall organization and biogenesis
GIM3	STE24	YJR117W	3	SL		Protein modification
GIM3	MCM22	YJR135C	2	SL		Chromatin/chromosome structure
GIM3	PAN3	YKL025C	3	SS		DNA repair
GIM3	ELM1	YKL048C	2	SL		Cell polarity
GIM3	YKL118W	YKL118W	1	SS		Unknown
GIM3	DYN1	YKR054C	2	SL		Mitosis
GIM3	MMM1	YLL006W	2	SS		Cell structure
GIM3	YLL049W	YLL049W	1	SS		Unknown
GIM3	ARP6	YLR085C	3	SL		Cell structure
GIM3	YLR089C	YLR089C	2		SL	Mitochondrion organization and biogenesis
GIM3	VRP1	YLR337C	0		SL	Cell polarity
GIM3	CTF3	YLR381W	2	SL		Chromatin/chromosome structure
GIM3	VAC14	YLR386W	3	SS		Vacuolar organization and biogenesis
GIM3	VMA6	YLR447C	1	SS		Vacuolar organization and biogenesis
GIM3	RAD52	YML032C	2		SS	DNA repair
GIM3	VPS71	YML041C	3	SL		Vesicular transport
GIM3	TUB3	YML124C	3	SL		Cell structure

GIM3	BUB2	YMR055C	3	SL		Mitosis
GIM3	CTF18	YMR078C	0	SS	SL	Chromatin/chromosome structure
GIM3	MYO5	YMR109W	0	SL		Cell polarity
GIM3	CIN4	YMR138W	3	SL		Cell structure
GIM3	RIM13	YMR154C	1	SS		Meiosis
GIM3	JNM1	YMR294W	3	SL		Mitosis
GIM3	YMR299C	YMR299C	2	SL		Mitosis
GIM3	ELP6	YMR312W	1	SS		Pol II transcription
GIM3	BNI5	YNL166C	1	SL		Cytokinesis
GIM3	RIM21	YNL294C	1	SS		Unknown
GIM3	CLA4	YNL298W	0	SL		Cell polarity
GIM3	HTZ1	YOL012C	0	SL		Chromatin/chromosome structure
GIM3	AHC1	YOR023C	1		SL	Protein modification
GIM3	BUB3	YOR026W	0		SL	Mitosis
GIM3	ASE1	YOR058C	2	SL		Mitosis
GIM3	RUD3	YOR216C	3	SL		Vesicular transport
GIM3	DSE3	YOR264W	2	SL		Differentiation
GIM3	RBL2	YOR265W	3	SL		Cell structure
GIM3	PNT1	YOR266W	3	SL		Mitochondrion organization and biogenesis
GIM3	PAC1	YOR269W	2	SL		Mitosis
GIM3	CIN1	YOR349W	3	SL		Cell structure
GIM3	HAP5	YOR358W	1	SS		Pol II transcription
GIM3	CHL1	YPL008W	0	SL		Chromatin/chromosome structure
GIM3	YPL017C	YPL017C	1	SS		Unknown
GIM3	CTF19	YPL018W	2	SL		Chromatin/chromosome structure
GIM3	BEM3	YPL115C	1	SS		Cell polarity
GIM3	KIP2	YPL155C	2	SL		Mitosis
GIM3	SET6	YPL165C	1	SS		Unknown
GIM3	NIP100	YPL174C	3	SL		Mitosis
GIM3	CIN2	YPL241C	3	SL		Cell structure
GIM3	VIK1	YPL253C	0	SL		Mitosis
GIM3	KAR9	YPL269W	2	SL		Mitosis
GIM3	EAF3	YPR023C	1	SS		Pol II Transcription
GIM3	MCM16	YPR046W	1	SS		Chromatin/chromosome structure
GIM3	MED1	YPR070W	1	SS		Chromatin/chromosome structure
GIM3	CTF4	YPR135W	1	SL		Chromatin/chromosome structure
GIM3	KAR3	YPR141C	0	SL		Mitosis
GIM4	SWC1	YAL011W	3	SL		Unknown
GIM4	SLA1	YBL007C	1	SS		Cell polarity
GIM4	NCL1	YBL024W	3	SS		RNA processing
GIM4	PIN4	YBL051C	1	SS		RNA processing
GIM4	SIF2	YBR103W	2	SS		Chromatin/chromosome structure
GIM4	IML3	YBR107C	1	SS		Chromatin/chromosome structure
GIM4	SEC66	YBR171W	0	SS		Vesicular transport
GIM4	AOR1	YBR231C	2	SS		Unknown
GIM4	DCC1	YCL016C	3		SL	Chromatin/chromosome structure
GIM4	BIK1	YCL029C	2	SL		Mitosis
GIM4	PER1	YCR044C	1	SS		Other metabolism
GIM4	YCR082W	YCR082W	2	SS	SL	Unknown
GIM4	CSM1	YCR086W	2	SL		Meiosis
GIM4	CBS1	YDL069C	1	SS		Protein synthesis
GIM4	CLB3	YDL155W	2		SS	Cell cycle control
GIM4	YDR149C	YDR149C	2	SS		Unknown
GIM4	NUM1	YDR150W	0	SS		Mitosis
GIM4	CPR1	YDR155C	0	SS		Protein folding
GIM4	CHL4	YDR254W	0	SS		Chromatin/chromosome structure
GIM4	PMP3	YDR276C	2		SS	Small molecule transport
GIM4	RTT103	YDR289C	0	SS		Unknown
GIM4	MCM21	YDR318W	2	SS		Chromatin/chromosome structure
GIM4	SWR1	YDR334W	2	SL		Unknown
GIM4	DYN2	YDR424C	0	SL		Mitosis

GIM4	VPS72	YDR485C	0	SL		Vesicular transport
GIM4	PAC11	YDR488C	1	SS		Mitosis
GIM4	CIN8	YEL061C	2		SL	Mitosis
GIM4	PAC2	YER007W	1	SL		Cell structure
GIM4	BIM1	YER016W	3	SL		Mitosis
GIM4	ISC1	YER019W	1	SS		Lipid metabolism
GIM4	PEA2	YER149C	1	SS		Cell polarity
GIM4	BEM2	YER155C	1	SS		Cell polarity
GIM4	BMH1	YER177W	1	SS		Differentiation
GIM4	FAB1	YFR019W	0	SL		Lipid metabolism
GIM4	MAD1	YGL086W	3	SL		Mitosis
GIM4	MMS2	YGL087C	0	SS		DNA repair
GIM4	HXK2	YGL253W	0	SS		Carbohydrate metabolism
GIM4	BUB1	YGR188C	0		SL	Mitosis
GIM4	YTA7	YGR270W	0	SL		Vacuolar organization and biogenesis
GIM4	HSE1	YHL002W	1	SS		Transport
GIM4	VPS29	YHR012W	1	SL		Vesicular transport
GIM4	UBA4	YHR111W	1	SS		Protein modification
GIM4	ARP1	YHR129C	3	SS		Mitosis
GIM4	CTF8	YHR191C	0	SL		Chromatin/chromosome structure
GIM4	CAP2	YIL034C	0		SS	Cell structure
GIM4	SDS3	YIL084C	0	SS		Chromatin/chromosome structure
GIM4	PRK1	YIL095W	0	SL		Cell polarity
GIM4	MAD3	YJL013C	2	SS		Mitosis
GIM4	BBC1	YJL020C	0		SL	Cell polarity
GIM4	MAD2	YJL030W	3	SL		Mitosis
GIM4	MNN11	YJL183W	2	SL		Protein modification
GIM4	RPS22A	YJL190C	0	SS		Protein synthesis
GIM4	CPR7	YJR032W	1	SS		Protein folding
GIM4	BFA1	YJR053W	2	SL		Mitosis
GIM4	HOC1	YJR075W	0	SS		Cell wall organization and biogenesis
GIM4	STE24	YJR117W	3	SL		Protein modification
GIM4	YJR129C	YJR129C	0	SS		Unknown
GIM4	MCM22	YJR135C	0	SS		Chromatin/chromosome structure
GIM4	PAN3	YKL025C	2	SL		DNA repair
GIM4	ELM1	YKL048C	3	SL		Cell polarity
GIM4	YKL118W	YKL118W	3		SL	Unknown
GIM4	DYN1	YKR054C	0	SS		Mitosis
GIM4	DNM1	YLL001W	1	SS		Cell structure
GIM4	MMM1	YLL006W	0	SL		Cell structure
GIM4	YLL007C	YLL007C	1	SS		Unknown
GIM4	YLL049W	YLL049W	2	SS		Unknown
GIM4	ARP6	YLR085C	3	SL		Cell structure
GIM4	YLR089C	YLR089C	1	SL		Mitochondrion organization and biogenesis
GIM4	SEC72	YLR292C	1	SS		Protein translocation
GIM4	VRP1	YLR337C	0		SL	Cell polarity
GIM4	CTF3	YLR381W	0		SS	Chromatin/chromosome structure
GIM4	VAC14	YLR386W	1	SS		Vacuolar organization and biogenesis
GIM4	VMA6	YLR447C	0		SL	Vacuolar organization and biogenesis
GIM4	RAD52	YML032C	1	SS		DNA repair
GIM4	VPS71	YML041C	3	SL		Vesicular transport
GIM4	RAD10	YML095C	0	SS		DNA repair
GIM4	TUB3	YML124C	3	SL		Cell structure
GIM4	MSC1	YML128C	0		SL	Unknown
GIM4	BUB2	YMR055C	0	SS		Mitosis
GIM4	CTF18	YMR078C	0	SL		Chromatin/chromosome structure
GIM4	MYO5	YMR109W	0	SL		Cell polarity
GIM4	CIN4	YMR138W	3	SL		Cell structure
GIM4	RIM13	YMR154C	1	SS		Meiosis
GIM4	JNM1	YMR294W	2	SS		Mitosis
GIM4	YMR299C	YMR299C	1	SS		Mitosis

GIM4	ELP6	YMR312W	1	SS		Pol II transcription
GIM4	YNL140C	YNL140C	1	SS		Unknown
GIM4	RIM21	YNL294C	1	SS		Unknown
GIM4	CLA4	YNL298W	0	SS		Cell polarity
GIM4	HTZ1	YOL012C	3	SL		Chromatin/chromosome structure
GIM4	MSN1	YOL116W	0	SS		Cell stress
GIM4	AHC1	YOR023C	1	SS		Protein modification
GIM4	BUB3	YOR026W	1	SS		Mitosis
GIM4	ASE1	YOR058C	0	SS		Mitosis
GIM4	RGA1	YOR127W	1	SS		Cell polarity
GIM4	RUD3	YOR216C	1	SS		Vesicular transport
GIM4	DSE3	YOR264W	3	SL		Differentiation
GIM4	RBL2	YOR265W	3	SL		Cell structure
GIM4	PNT1	YOR266W	3	SL		Mitochondrion organization and biogenesis
GIM4	PAC1	YOR269W	0		SL	Mitosis
GIM4	CIN1	YOR349W	3	SL		Cell structure
GIM4	HAP5	YOR358W	1	SS		Pol II transcription
GIM4	CHL1	YPL008W	0	SL		Chromatin/chromosome structure
GIM4	YPL017C	YPL017C	1	SS		Unknown
GIM4	CTF19	YPL018W	2	SL		Chromatin/chromosome structure
GIM4	KIP2	YPL155C	0	SL		Mitosis
GIM4	BEM4	YPL161C	0	SS		Cell polarity
GIM4	NIP100	YPL174C	0	SS		Mitosis
GIM4	MMT2	YPL224C	1	SS		Small molecule transport
GIM4	CIN2	YPL241C	3	SL		Cell structure
GIM4	VIK1	YPL253C	0	SS		Mitosis
GIM4	KAR9	YPL269W	0	SL		Mitosis
GIM4	EAF3	YPR023C	0	SS		Pol II Transcription
GIM4	MCM16	YPR046W	0	SS	SS	Chromatin/chromosome structure
GIM4	YPR050C	YPR050C	1		SS	Unknown
GIM4	MED1	YPR070W	1		SL	Chromatin/chromosome structure
GIM4	CTF4	YPR135W	1		SL	Chromatin/chromosome structure
GIM4	KAR3	YPR141C	0	SL		Mitosis
GIM5	VPS8	YAL002W	0	SS	SS	Vesicular transport
GIM5	SWC1	YAL011W	1	SS		Unknown
GIM5	DRS2	YAL026C	1		SL	Vesicular transport
GIM5	SLA1	YBL007C	0	SS	SL	Cell polarity
GIM5	NCL1	YBL024W	0	SS		RNA processing
GIM5	PIN4	YBL051C	1	SS		RNA processing
GIM5	SIF2	YBR103W	1	SS		Chromatin/chromosome structure
GIM5	IML3	YBR107C	1	SS		Chromatin/chromosome structure
GIM5	YBR108W	YBR108W	1	SS		Unknown
GIM5	SEC66	YBR171W	2	SL		Vesicular transport
GIM5	AOR1	YBR231C	1	SS		Unknown
GIM5	YBR255W	YBR255W	1	SS		Unknown
GIM5	BSD2	YBR290W	1	SS		Transport
GIM5	DCC1	YCL016C	2	SL		Chromatin/chromosome structure
GIM5	BIK1	YCL029C	3	SL		Mitosis
GIM5	CSM1	YCR086W	1	SS		Meiosis
GIM5	RPN4	YDL020C	1	SS		Protein degradation
GIM5	CLB3	YDL155W	2	SS		Cell cycle control
GIM5	MKC7	YDR144C	1	SS		Unknown
GIM5	YDR149C	YDR149C	1	SS		Unknown
GIM5	NUM1	YDR150W	1	SL		Mitosis
GIM5	PLP1	YDR183W	1	SS		Mating response
GIM5	CHL4	YDR254W	1	SS		Chromatin/chromosome structure
GIM5	PMP3	YDR276C	1		SL	Small molecule transport
GIM5	SSD1	YDR293C	2	SS		Cell cycle control
GIM5	SUM1	YDR310C	1	SL		Chromatin/chromosome structure
GIM5	MCM21	YDR318W	2	SS		Chromatin/chromosome structure
GIM5	SWR1	YDR334W	0	SL		Unknown

GIM5	YDR360W	YDR360W	1	SS		Unknown
GIM5	DYN2	YDR424C	2	SS		Mitosis
GIM5	VPS72	YDR485C	0	SL		Vesicular transport
GIM5	PAC11	YDR488C	1	SS		Mitosis
GIM5	SPF1	YEL031W	0	SS		Small molecule transport
GIM5	MAK10	YEL053C	3	SS		Protein modification
GIM5	CIN8	YEL061C	1		SL	Mitosis
GIM5	PAC2	YER007W	3	SL		Cell structure
GIM5	BIM1	YER016W	0	SL		Mitosis
GIM5	KAP123	YER110C	1	SS		Nuclear-cytoplasmic transport
GIM5	BEM2	YER155C	1	SS		Cell polarity
GIM5	BMH1	YER177W	1	SS		Differentiation
GIM5	FAB1	YFR019W	2	SS		Lipid metabolism
GIM5	MAD1	YGL086W	3	SS		Mitosis
GIM5	MMS2	YGL087C	3	SS		DNA repair
GIM5	MON1	YGL124C	1	SS		Unknown
GIM5	NUT1	YGL151W	1	SS		Pol II transcription
GIM5	KEM1	YGL173C	1		SL	RNA processing
GIM5	HOS2	YGL194C	1	SS		Chromatin/chromosome structure
GIM5	HXK2	YGL253W	1	SS		Carbohydrate metabolism
GIM5	UGA1	YGR019W	1	SS		Amino-acid metabolism
GIM5	YGR054W	YGR054W	1	SS		Unknown
GIM5	BUB1	YGR188C	1	SL		Mitosis
GIM5	SMI1	YGR229C	1	SS		Cell wall organization and biogenesis
GIM5	YTA7	YGR270W	1	SS		Vacuolar organization and biogenesis
GIM5	YHL029C	YHL029C	1	SS		Unknown
GIM5	VPS29	YHR012W	1	SS		Vesicular transport
GIM5	SLT2	YHR030C	1	SS		Cell wall organization and biogenesis
GIM5	UBA4	YHR111W	1	SS		Protein modification
GIM5	BZZ1	YHR114W	1	SS		Cell polarity
GIM5	ARP1	YHR129C	1	SS		Mitosis
GIM5	WSS1	YHR134W	1	SS		DNA repair
GIM5	STB5	YHR178W	1	SS		Pol II transcription
GIM5	CTF8	YHR191C	0	SS		Chromatin/chromosome structure
GIM5	URM1	YIL008W	1	SS		Protein modification
GIM5	CAP2	YIL034C	1	SS		Cell structure
GIM5	PRK1	YIL095W	0	SS		Cell polarity
GIM5	MAD3	YJL013C	1	SS		Mitosis
GIM5	BBC1	YJL020C	1	SS		Cell polarity
GIM5	MAD2	YJL030W	3	SS		Mitosis
GIM5	BCK1	YJL095W	0	SS		Cell wall organization and biogenesis
GIM5	VPS35	YJL154C	1	SS		Vesicular transport
GIM5	RPS22A	YJL190C	1	SS		Protein synthesis
GIM5	CPR7	YJR032W	1	SS		Protein folding
GIM5	BFA1	YJR053W	2	SS		Mitosis
GIM5	HOC1	YJR075W	3	SS		Cell wall organization and biogenesis
GIM5	STE24	YJR117W	2	SS		Protein modification
GIM5	MCM22	YJR135C	0	SL		Chromatin/chromosome structure
GIM5	PAN3	YKL025C	3	SS		DNA repair
GIM5	ELM1	YKL048C	1	SS		Cell polarity
GIM5	YKL118W	YKL118W	1	SS		Unknown
GIM5	DYN1	YKR054C	0		SS	Mitosis
GIM5	DNM1	YLL001W	1	SS		Cell structure
GIM5	MMM1	YLL006W	1	SS		Cell structure
GIM5	YLL007C	YLL007C	1	SS		Unknown
GIM5	YLL049W	YLL049W	1		SL	Unknown
GIM5	ARP6	YLR085C	1	SL		Cell structure
GIM5	YLR089C	YLR089C	1	SL		Mitochondrion organization and biogenesis
GIM5	SEC72	YLR292C	1	SS		Protein translocation
GIM5	VRP1	YLR337C	1	SL		Cell polarity
GIM5	VPS38	YLR360W	1	SS	SL	Vesicular transport

GIM5	CTF3	YLR381W	1	SS		Chromatin/chromosome structure
GIM5	VAC14	YLR386W	3	SL		Vacuolar organization and biogenesis
GIM5	VMA6	YLR447C	1	SS		Vacuolar organization and biogenesis
GIM5	RAD52	YML032C	1	SS		DNA repair
GIM5	VPS71	YML041C	2	SS		Vesicular transport
GIM5	GSF2	YML048W	1	SS		Carbohydrate metabolism
GIM5	TUB3	YML124C	2	SS		Cell structure
GIM5	MSC1	YML128C	1	SS		Unknown
GIM5	MAC1	YMR021C	1		SS	Pol II transcription
GIM5	BUB2	YMR055C	0	SS		Mitosis
GIM5	CTF18	YMR078C	0		SL	Chromatin/chromosome structure
GIM5	MYO5	YMR109W	1		SL	Cell polarity
GIM5	SAS2	YMR127C	0	SS		Chromatin/chromosome structure
GIM5	CIN4	YMR138W	2	SS		Cell structure
GIM5	RIM13	YMR154C	1	SS		Meiosis
GIM5	HOT1	YMR172W	1		SL	Cell stress
GIM5	RSN1	YMR266W	1	SS		Unknown
GIM5	JNM1	YMR294W	0	SS		Mitosis
GIM5	YMR299C	YMR299C	1	SS		Mitosis
GIM5	ELP6	YMR312W	1	SS		Pol II transcription
GIM5	YNL140C	YNL140C	1	SS		Unknown
GIM5	BNI5	YNL166C	0	SS	SS	Cytokinesis
GIM5	CAF40	YNL288W	1	SS		Pol II transcription
GIM5	RIM21	YNL294C	1	SL		Unknown
GIM5	CLA4	YNL298W	1	SS		Cell polarity
GIM5	HTZ1	YOL012C	1	SL		Chromatin/chromosome structure
GIM5	RTG1	YOL067C	1	SS		Carbohydrate metabolism
GIM5	MSN1	YOL116W	1		SS	Cell stress
GIM5	AHC1	YOR023C	0	SS		Protein modification
GIM5	BUB3	YOR026W	1		SL	Mitosis
GIM5	ASE1	YOR058C	2		SS	Mitosis
GIM5	VPS17	YOR132W	3	SS		Vesicular transport
GIM5	RUD3	YOR216C	3	SS		Vesicular transport
GIM5	DSE3	YOR264W	2	SS		Differentiation
GIM5	RBL2	YOR265W	3	SS		Cell structure
GIM5	PNT1	YOR266W	3	SS		Mitochondrion organization and biogenesis
GIM5	PAC1	YOR269W	0	SS		Mitosis
GIM5	CIN1	YOR349W	3	SS		Cell structure
GIM5	CHL1	YPL008W	1	SS		Chromatin/chromosome structure
GIM5	YPL017C	YPL017C	0	SL		Unknown
GIM5	CTF19	YPL018W	1	SS		Chromatin/chromosome structure
GIM5	BEM3	YPL115C	1		SS	Cell polarity
GIM5	KIP2	YPL155C	2	SS		Mitosis
GIM5	NIP100	YPL174C	0	SS		Mitosis
GIM5	YPL176C	YPL176C	1	SS		Cell growth and/or maintenance
GIM5	CIN2	YPL241C	3	SL		Cell structure
GIM5	VIK1	YPL253C	2	SS		Mitosis
GIM5	KAR9	YPL269W	0	SS		Mitosis
GIM5	EAF3	YPR023C	1	SS		Pol II Transcription
GIM5	MCM16	YPR046W	0	SS		Chromatin/chromosome structure
GIM5	YPR050C	YPR050C	0	SS		Unknown
GIM5	MAK3	YPR051W	0	SS		Protein modification
GIM5	MED1	YPR070W	1	SS		Chromatin/chromosome structure
GIM5	CTF4	YPR135W	1	SS		Chromatin/chromosome structure
GIM5	KAR3	YPR141C	0	SL	SL	Mitosis
CSM3	DCC1	YCL016C	2	SL	SL	Chromatin/chromosome structure
CSM3	MRC1	YCL060C	3	SS		DNA repair
CSM3	RAD57	YDR004W	0	SS		DNA repair
CSM3	RAD9	YDR217C	1		SS	DNA repair
CSM3	GIM4	YEL003W	0	SS		Cell structure
CSM3	BIM1	YER016W	3	SL		Mitosis

CSM3	ISC1	YER019W	1	SS		Lipid metabolism
CSM3	SLX8	YER116C	2	SS	SS	DNA repair
CSM3	RAD4	YER162C	1	SS		DNA repair
CSM3	RAD24	YER173W	0	SS	SS	DNA repair
CSM3	CDH1	YGL003C	2	SS		Protein degradation
CSM3	MAD1	YGL086W	0	SS		Mitosis
CSM3	PAC10	YGR078C	0	SS		Cell structure
CSM3	BUB1	YGR188C	0	SL		Mitosis
CSM3	CTF8	YHR191C	0	SL	SL	Chromatin/chromosome structure
CSM3	APQ12	YIL040W	0	SS		Unknown
CSM3	HPR5	YJL092W	2	SL		DNA repair
CSM3	POL32	YJR043C	3	SL	SL	DNA replication
CSM3	CSN12	YJR084W	0	SL		Unknown
CSM3	RAD27	YKL113C	0	SS	SS	DNA repair
CSM3	RAD5	YLR032W	1		SS	DNA repair
CSM3	YKE2	YLR200W	0	SL		Cell structure
CSM3	TOP3	YLR234W	0	SS		Chromatin/chromosome structure
CSM3	MEC3	YLR288C	0	SS		DNA repair
CSM3	SEL1	YML013W	0	SS		Unknown
CSM3	GIM5	YML094W	0	SS		Cell structure
CSM3	YMR010W	YMR010W	0	SS		Meiosis
CSM3	BUB2	YMR055C	0	SL		Mitosis
CSM3	CTF18	YMR078C	0	SS	SL	Chromatin/chromosome structure
CSM3	SGS1	YMR190C	1	SS	SS	DNA repair
CSM3	GIM3	YNL153C	0	SS		Cell structure
CSM3	MON2	YNL297C	0	SS		Vacuolar organization and biogenesis
CSM3	BRE5	YNR051C	0	SS		Unknown
CSM3	ELG1	YOR144C	1	SS	SS	DNA repair
CSM3	RAD17	YOR368W	3	SS	SS	DNA repair
CSM3	YPL077C	YPL077C	0	SS		Unknown
CSM3	GUP2	YPL189W	2	SS		Lipid metabolism
CSM3	DDC1	YPL194W	0	SS		DNA repair
CSM3	CTF4	YPR135W	0	SL	SL	Chromatin/chromosome structure
CSM3	KAR3	YPR141C	0	SL		Mitosis
MRC1	NUP60	YAR002W	3	SS	SS	Nuclear-cytoplasmic transport
MRC1	PHO5	YBR093C	2	SS	SS	Phosphate metabolism
MRC1	DCC1	YCL016C	1		SL	Chromatin/chromosome structure
MRC1	RAD9	YDR217C	3	SL	SL	DNA repair
MRC1	XRS2	YDR369C	0	SS	SS	DNA repair
MRC1	RAD51	YER095W	1		SS	DNA repair
MRC1	RAD24	YER173W	2	SL	SS	DNA repair
MRC1	SOH1	YGL127C	1		SS	DNA repair
MRC1	RRM3	YHR031C	3	SL	SL	DNA replication
MRC1	CTF8	YHR191C	2	SL	SL	Chromatin/chromosome structure
MRC1	HPR5	YJL092W	0	SL	SS	DNA repair
MRC1	POL32	YJR043C	3	SL	SL	DNA replication
MRC1	RAD27	YKL113C	0	SS	SS	DNA repair
MRC1	RAD52	YML032C	1		SS	DNA repair
MRC1	CSM3	YMR048W	0	SS	SS	Meiosis
MRC1	CTF18	YMR078C	0	SL		Chromatin/chromosome structure
MRC1	SGS1	YMR190C	3	SS	SS	DNA repair
MRC1	CIK1	YMR198W	0	SL	SL	Mitosis
MRC1	RAD50	YNL250W	1		SS	DNA repair
MRC1	TOF1	YNL273W	3	SS	SS	DNA repair
MRC1	HTZ1	YOL012C	1		SS	Chromatin/chromosome structure
MRC1	YOR024W	YOR024W	2	SS	SS	Unknown
MRC1	HST3	YOR025W	3	SL	SS	Chromatin/chromosome structure
MRC1	ELG1	YOR144C	1		SS	DNA repair
MRC1	RAD17	YOR368W	3	SL	SS	DNA repair
MRC1	DDC1	YPL194W	2	SL	SS	DNA repair
MRC1	CTF4	YPR135W	3	SL	SL	Chromatin/chromosome structure

MRC1	KAR3	YPR141C	0	SL	SL	Mitosis	
TOF1	NUP60	YAR002w	0	SL		Nuclear-cytoplasmic transport	
TOF1	UMP1	YBR173C	2	SL		Protein degradation	
TOF1	DCC1	YCL016C	3	SL	SL	Chromatin/chromosome structure	
TOF1	MRC1	YCL061C	3	SS		DNA repair	
TOF1	RAD55	YDR076W	1		SS	DNA repair	
TOF1	RAD9	YDR217C	2	SS	SS	DNA repair	
TOF1	IPK1	YDR315C	2	SL		Lipid metabolism	
TOF1	RAD23	YEL037C	1		SS	DNA repair	
TOF1	BIM1	YER016W	3	SL		Mitosis	
TOF1	RAD24	YER173W	3	SL	SS	DNA repair	
TOF1	RAD54	YGL163C	1		SS	DNA repair	
TOF1	CTF8	YHR191C	2	SL	SL	Chromatin/chromosome structure	
TOF1	POL32	YJR043C	2	SL	SL	DNA replication	
TOF1	RAD27	YKL113C	2		SL	DNA repair	
TOF1	RAD5	YLR032W	1		SS	DNA repair	
TOF1	TOP3	YLR234W	3		SL	Chromatin/chromosome structure	
TOF1	MEC3	YLR288C	3	SL		DNA repair	
TOF1	RAD52	YML032C	0		SS	DNA repair	
TOF1	CTF18	YMR078C	0	SL	SL	Chromatin/chromosome structure	
TOF1	CIK1	YMR198W	2	SL		Mitosis	
TOF1	HTZ1	YOL012C	1		SS	Chromatin/chromosome structure	
TOF1	ELG1	YOR144C	1		SS	DNA repair	
TOF1	RAD17	YOR368W	2	SS	SS	DNA repair	
TOF1	DDC1	YPL194W	3	SL		DNA repair	
TOF1	CTF4	YPR135W	3	SL	SL	Chromatin/chromosome structure	
TOF1	KAR3	YPR141C	3	SL		Mitosis	
ELG1	YBR094W	YBR094W	3		SS	Unknown	Bellaoui, 2003
ELG1	MMS4	YBR098W	3		SS	DNA repair	Bellaoui, 2003
ELG1	YBR099C	YBR099C	3		SL	Unknown	Bellaoui, 2003
ELG1	MMS4	YBR100W	2		SS	DNA repair	Bellaoui, 2003
ELG1	MRC1	YCL061C	3		SS	DNA repair	Bellaoui, 2003
ELG1	HEX3	YDL013W	0		SS	Meiosis	Bellaoui, 2003
ELG1	BRE1	YDL074C	2		SS	Chromatin/chromosome stucture	Bellaoui, 2003
ELG1	RAD57	YDR004W	3		SS	DNA repair	Bellaoui, 2003
ELG1	RAD55	YDR076W	3		SS	DNA repair	Bellaoui, 2003
ELG1	SWR1	YDR334W	3		SS	Unknown	Bellaoui, 2003
ELG1	XRS2	YDR369C	2		SL	DNA repair	Bellaoui, 2003
ELG1	MUS81	YDR386W	3		SL	DNA repair	Bellaoui, 2003
ELG1	BIM1	YER016W	2		SS	Mitosis	Bellaoui, 2003
ELG1	RAD51	YER095W	3		SS	DNA repair	Bellaoui, 2003
ELG1	SLX8	YER116C	3		SS	DNA repair	Bellaoui, 2003
ELG1	RAD24	YER173W	0		SS	DNA repair	Bellaoui, 2003
ELG1	RAD54	YGL163C	3		SS	DNA repair	Bellaoui, 2003
ELG1	YOR1	YGR281W	2		SS	Small molecule transport	Bellaoui, 2003
ELG1	HPR5	YJL092W	2		SS	DNA repair	Bellaoui, 2003
ELG1	POL32	YJR043C	3		SL	DNA replication	Bellaoui, 2003
ELG1	RAD27	YKL113C	2		SS	DNA repair	Bellaoui, 2003
ELG1	RTT109	YLL002W	3		SS	DNA repair	Bellaoui, 2003
ELG1	TOP3	YLR234W	3		SS	Chromatin/chromosome structure	Bellaoui, 2003
ELG1	YLR235C	YLR235C	3		SS	Unknown	Bellaoui, 2003
ELG1	RAD52	YML032C	3		SS	DNA repair	Bellaoui, 2003
ELG1	SGS1	YMR190C	0		SS	DNA repair	Bellaoui, 2003
ELG1	MRE11	YMR224C	0		SL	DNA repair	Bellaoui, 2003
ELG1	RAD50	YNL250W	2		SL	DNA repair	Bellaoui, 2003
ELG1	TOF1	YNL273W	2		SS	DNA repair	Bellaoui, 2003
ELG1	MID1	YNL291C	3		SS	Small molecule transport	Bellaoui, 2003
ELG1	BRE5	YNR051C	2		SS	Unknown	Bellaoui, 2003
ELG1	CHL1	YPL008W	0		SS	Chromatin/chromosome structure	Bellaoui, 2003
ELG1	CTF4	YPR135W	3		SL	Chromatin/chromosome structure	Bellaoui, 2003
ELG1	KAR3	YPR141C	3		SS	Mitosis	Bellaoui, 2003

POL32	LTE1	YAL024C	2		SL	Cell cycle control
POL32	MSI1	YBR195C	0		SS	Chromatin/chromosome structure
POL32	DCC1	YCL016C	0		SS	Chromatin/chromosome structure
POL32	MRC1	YCL060C	3		SL	DNA repair
POL32	RAD55	YDR076W	2		SS	DNA repair
POL32	RAD9	YDR217C	3		SL	DNA repair
POL32	MNN10	YDR245W	2		SL	Protein modification
POL32	VID21	YDR359C	2		SL	Unknown
POL32	XRS2	YDR369C	2		SL	DNA repair
POL32	RAD51	YER095W	2		SS	DNA repair
POL32	UBP3	YER151C	2		SS	Protein modification
POL32	RAD24	YER173W	2		SS	DNA repair
POL32	RAD54	YGL163C	3		SS	DNA repair
POL32	RAD27	YKL113C	3		SL	DNA repair
POL32	TOP3	YLR234W	2		SL	Chromatin/chromosome structure
POL32	YLR235C	YLR235C	3		SL	Unknown
POL32	ARC18	YLR370C	3		SS	Cell polarity
POL32	RAD52	YML032C	3		SL	DNA repair
POL32	CSM3	YMR048W	3		SL	Meiosis
POL32	CTF18	YMR078C	0	SL		Chromatin/chromosome structure
POL32	YDJ1	YNL064C	3		SL	Mitochondrion organization and biogenesis
POL32	RAD50	YNL250W	2	SL	SL	DNA repair
POL32	TOF1	YNL273W	2	SL	SL	DNA repair
POL32	RAD17	YOR368W	2		SS	DNA repair
POL32	NCE4	YPL024W	2		SL	Cell wall organization and biogenesis
POL32	DDC1	YPL194W	3		SS	DNA repair
POL32	CTF4	YPR135W	2		SS	Chromatin/chromosome structure
TOP1	MMS4	YBR098W	1	SS		DNA repair
TOP1	PAT1	YCR077C	2	SL		Chromatin/chromosome structure
TOP1	YDR249C	YDR249C	2	SS		Unknown
TOP1	ASF1	YJL115W	1		SS	Chromatin/chromosome structure
TOP1	MRP17	YKL003C	2	SL		Protein synthesis
TOP1	TOP3	YLR234W	1		SL	Chromatin/chromosome structure
TOP1	YLR235C	YLR235C	0	SL		Unknown
TOP1	RAD52	YML032C	0	SS		DNA repair
TOP1	MFT1	YML062C	2	SL		Mitochondrion organization and biogenesis
TOP1	SGS1	YMR190C	0	SL		DNA repair
TOP1	MRE11	YMR224C	1		SL	DNA repair
TOP1	RAD50	YNL250W	1	SL		DNA repair
TOP1	BRE5	YNR051C	0	SL		Unknown
TOP1	HMS1	YOR032C	1	SL		Pol II transcription
TOP1	EXO1	YOR033C	3	SL		DNA repair
TOP1	YOR044W	YOR044W	2	SS		Unknown
TOP1	TOM6	YOR045W	2	SS		Mitochondrion organization and biogenesis
TOP1	NCE4	YPL024W	2	SL		Cell wall organization and biogenesis
TOP1	MCM16	YPR046W	1		SS	Chromatin/chromosome structure
CDC2-1	YBR094W	YBR094W	2	SL		Unknown
CDC2-1	MMS4	YBR098W	1	SL		DNA repair
CDC2-1	MRC1	YCL060C	0	SL		DNA repair
CDC2-1	RAD57	YDR004W	1	SL		DNA repair
CDC2-1	RAD24	YER173W	3	SL		DNA repair
CDC2-1	UBP6	YFR010W	1	SL		Protein modification
CDC2-1	POL32	YJR043C	3	SL		DNA replication
CDC2-1	CSM3	YMR048W	1	SL		Meiosis
CDC2-1	YMR075C-A	YMR075C-A	1		SS	Unknown
CDC2-1	GAS1	YMR307W	2	SL		Cell wall organization and biogenesis
CDC2-1	TOF1	YNL273W	0	SL		DNA repair
CDC2-1	MID1	YNL291C	0	SL		Small molecule transport
CDC2-1	MCK1	YNL307C	3	SL		Meiosis
CDC2-1	TRM10	YOL093W	0		SL	tRNA methylation
CDC2-1	RAD17	YOR368W	2	SL		DNA repair

CDC2-1	DDC1	YPL194W	2	SL		DNA repair
CDC45-1	LTE1	YAL024C	0		SL	Cell cycle control
CDC45-1	HIR1	YBL008W	2		SS	Chromatin/chromosome structure
CDC45-1	CSS2	YBR036C	2		SS	Small molecule transport
CDC45-1	MMS4	YBR098W	0		SS	DNA repair
CDC45-1	MSI1	YBR195C	0		SS	Chromatin/chromosome structure
CDC45-1	HPC2	YBR215W	2	SL		Pol II transcription
CDC45-1	AOR1	YBR231C	2	SL	SL	Unknown
CDC45-1	CHK1	YBR274W	0	SL	SL	DNA repair
CDC45-1	YBR277C	YBR277C	2	SL	SL	Unknown
CDC45-1	DPB3	YBR278W	2	SL	SL	DNA replication
CDC45-1	DCC1	YCL016C	2	SL	SL	Chromatin/chromosome structure
CDC45-1	MRC1	YCL060C	2	SL	SL	DNA repair
CDC45-1	PAT1	YCR077C	0	SL	SL	Chromatin/chromosome structure
CDC45-1	CSM1	YCR086W	2	SL	SL	Meiosis
CDC45-1	NHP10	YDL002C	0	SL	SL	Unknown
CDC45-1	FYV3	YDL151C	2		SS	Unknown
CDC45-1	RAD57	YDR004W	2		SS	DNA repair
CDC45-1	DPB4	YDR121W	0	SL		DNA replication
CDC45-1	SWI5	YDR146C	2	SL		Pol II transcription
CDC45-1	RAD9	YDR217C	0	SL		DNA repair
CDC45-1	RTT103	YDR289C	2	SL		Unknown
CDC45-1	XRS2	YDR369C	0	SL		DNA repair
CDC45-1	VPS72	YDR485C	2	SL		Vesicular transport
CDC45-1	GIM4	YEL003W	0	SL		Cell structure
CDC45-1	HAT2	YEL056W	0	SL		Chromatin/chromosome structure
CDC45-1	NPR2	YEL062W	2	SL		Small molecule transport
CDC45-1	SWI4	YER111C	0	SL		Cell cycle control
CDC45-1	SPT2	YER161C	2	SL		Chromatin/chromosome stucture
CDC45-1	RAD24	YER173W	0	SL		DNA repair
CDC45-1	FAB1	YFR019W	2	SL		Lipid metabolism
CDC45-1	MAD1	YGL086W	2	SL		Mitosis
CDC45-1	SOH1	YGL127C	2	SL		DNA repair
CDC45-1	ARO2	YGL148W	2	SL		Amino-acid metabolism
CDC45-1	NUT1	YGL151W	2	SL		Pol II transcription
CDC45-1	RAD54	YGL163C	0	SL		DNA repair
CDC45-1	KEM1	YGL173C	2	SL		RNA processing
CDC45-1	RTF1	YGL244W	3	SL		Pol II transcription
CDC45-1	RMD11	YHL023C	2	SL		Meiosis
CDC45-1	RRM3	YHR031C	2	SL		DNA replication
CDC45-1	VMA10	YHR039C-B	2	SL		Small molecule transport
CDC45-1	STB5	YHR178W	2	SL		Pol II transcription
CDC45-1	CTF8	YHR191C	2	SL		Chromatin/chromosome structure
CDC45-1	APQ12	YIL040W	2	SL		Unknown
CDC45-1	IMP2'	YIL154C	2	SL		Carbohydrate metabolism
CDC45-1	MAD2	YJL030W	2	SL		Mitosis
CDC45-1	HPR5	YJL092W	0	SL		DNA repair
CDC45-1	ASF1	YJL115W	2	SL		Chromatin/chromosome structure
CDC45-1	LSM1	YJL124C	0	SL		RNA turnover
CDC45-1	POL32	YJR043C	0	SL		DNA replication
CDC45-1	BFA1	YJR053W	3	SL		Mitosis
CDC45-1	YJR070C	YJR070C	2	SL		Unknown
CDC45-1	SOD1	YJR104C	0	SL		Cell stress
CDC45-1	HIR3	YJR140C	0	SL		Pol II transcription
CDC45-1	SIS2	YKR072C	2	SL		Cell stress
CDC45-1	RTT109	YLL002W	2	SL		DNA repair
CDC45-1	SPT8	YLR055C	3	SL		Chromatin/chromosome structure
CDC45-1	TOP3	YLR234W	2	SL		Chromatin/chromosome structure
CDC45-1	YLR235C	YLR235C	2	SL		Unknown
CDC45-1	SEC22	YLR268W	3	SL		Vesicular transport
CDC45-1	MEC3	YLR288C	0	SL		DNA repair

CDC45-1	RAD52	YML032C	0	SL		DNA repair
CDC45-1	GIM5	YML094W	2	SS	SS	Cell structure
CDC45-1	SUB1	YMR039C	0	SS		Pol II transcription
CDC45-1	CSM3	YMR048W	2	SS		Meiosis
CDC45-1	BUB2	YMR055C	0	SS		Mitosis
CDC45-1	CTF18	YMR078C	0		SL	Chromatin/chromosome structure
CDC45-1	YMR166C	YMR166C	2	SS		Transport
CDC45-1	SCS7	YMR272C	2	SS		Lipid metabolism
CDC45-1	IES2	YNL215W	2	SS		Unknown
CDC45-1	TOF1	YNL273W	2	SS		DNA repair
CDC45-1	RIM21	YNL294C	2	SS		Unknown
CDC45-1	TRF5	YNL299W	0	SS		Chromatin/chromosome structure
CDC45-1	TOP1	YOL006C	2	SS		Chromatin/chromosome structure
CDC45-1	HTZ1	YOL012C	3	SS		Chromatin/chromosome structure
CDC45-1	MET22	YOL064C	2	SS		Amino-acid metabolism
CDC45-1	YOR024W	YOR024W	2	SS		Unknown
CDC45-1	HST3	YOR025W	0	SS		Chromatin/chromosome structure
CDC45-1	DFG16	YOR030W	2	SS		Differentiation
CDC45-1	HIR2	YOR038C	2	SS		Pol II transcription
CDC45-1	WHI2	YOR043W	2	SS		Cell cycle control
CDC45-1	LEO1	YOR123C	2	SS		Chromatin/chromosome structure
CDC45-1	RAD17	YOR368W	2	SS		DNA repair
CDC45-1	HAT1	YPL001W	0	SS		Chromatin/chromosome structure
CDC45-1	NCE4	YPL024W	2	SS		Cell wall organization and biogenesis
CDC45-1	LGE1	YPL055C	2	SS		Cell cycle control
CDC45-1	GON5	YPL183W-A	2		SS	Protein synthesis
CDC45-1	DDC1	YPL194W	0		SS	DNA repair
CDC45-1	BRR1	YPR057W	3		SS	RNA processing
CDC45-1	MED1	YPR070W	2		SS	Chromatin/chromosome structure
CDC45-1	CLB5	YPR120C	0		SL	Cell cycle control
CDC45-1	CTF4	YPR135W	2		SL	Chromatin/chromosome structure
CDC45-1	KAR3	YPR141C	2		SS	Mitosis
CDC7-1	HIR1	YBL008W	2		SS	Chromatin/chromosome structure
CDC7-1	CHK1	YBR274W	3		SS	DNA repair
CDC7-1	DCC1	YCL016C	2		SS	Chromatin/chromosome structure
CDC7-1	RPS14A	YCR031C	3		SS	Protein synthesis
CDC7-1	FEN1	YCR034W	2		SS	Lipid metabolism
CDC7-1	FYV3	YDL151C	2		SS	Unknown
CDC7-1	RAD9	YDR217C	3		SS	DNA repair
CDC7-1	ESC2	YDR363W	3		SS	Chromatin/chromosome structure
CDC7-1	RAD24	YER173W	3		SS	DNA repair
CDC7-1	CKB1	YGL019W	3		SS	Cell cycle control
CDC7-1	MAD1	YGL086W	3		SS	Mitosis
CDC7-1	YGL250W	YGL250W	2		SS	Unknown
CDC7-1	RTT107	YHR154W	2		SS	Chromatin/chromosome structure
CDC7-1	CTF8	YHR191C	3		SS	Chromatin/chromosome structure
CDC7-1	CKA1	YIL035C	3		SS	Cell cycle control
CDC7-1	MAD2	YJL030W	3		SS	Mitosis
CDC7-1	LAS21	YJL062W	2		SS	Lipid metabolism
CDC7-1	TIF2	YJL138C	2		SS	Protein synthesis
CDC7-1	CPR7	YJR032W	2		SS	Protein folding
CDC7-1	BFA1	YJR053W	2		SS	Mitosis
CDC7-1	YJR070C	YJR070C	2		SS	Unknown
CDC7-1	HIR3	YJR140C	2		SS	Pol II transcription
CDC7-1	YKL056C	YKL056C	2		SS	Unknown
CDC7-1	HSL1	YKL101W	3		SS	Cell cycle control
CDC7-1	TIF1	YKR059W	2		SS	Protein synthesis
CDC7-1	SPT8	YLR055C	2		SS	Chromatin/chromosome structure
CDC7-1	TOP3	YLR234W	3		SS	Chromatin/chromosome structure
CDC7-1	YLR235C	YLR235C	2		SS	Unknown
CDC7-1	MEC3	YLR288C	0		SS	DNA repair

CDC7-1	ORM2	YLR350W	2		SS	Cell wall organization and biogenesis
CDC7-1	TSR2	YLR435W	2		SS	Unknown
CDC7-1	PPZ1	YML016C	2		SS	Signal transduction
CDC7-1	RAD52	YML032C	2		SS	DNA repair
CDC7-1	BUB2	YMR055C	2		SS	Mitosis
CDC7-1	CTF18	YMR078C	0		SS	Chromatin/chromosome structure
CDC7-1	MUB1	YMR100W	3		SS	Cell polarity
CDC7-1	MLH1	YMR167W	2		SS	DNA repair
CDC7-1	SGS1	YMR190C	3		SS	DNA repair
CDC7-1	IRA2	YOL081W	2		SS	Signal transduction
CDC7-1	STI1	YOR027W	2		SS	Protein folding
CDC7-1	CKB2	YOR039W	2		SS	Cell cycle control
CDC7-1	PDE2	YOR360C	2		SS	Signal transduction
CDC7-1	RAD17	YOR368W	3		SS	DNA repair
CDC7-1	DDC1	YPL194W	2		SS	DNA repair
CDC7-1	CLB2	YPR119W	2		SS	Cell cycle control
DBF4	HIR1	YBL008W	0		SS	Chromatin/chromosome structure
DBF4	HPC2	YBR215W	2		SS	Pol II transcription
DBF4	CHK1	YBR274W	0		SS	DNA repair
DBF4	DCC1	YCL016C	2		SS	Chromatin/chromosome structure
DBF4	RPS14A	YCR031C	3		SS	Protein synthesis
DBF4	YDL062W	YDL062W	2		SS	Unknown
DBF4	RAD9	YDR217C	2		SS	DNA repair
DBF4	ESC2	YDR363W	0		SS	Chromatin/chromosome structure
DBF4	RAD24	YER173W	3		SS	DNA repair
DBF4	BMH1	YER177W	3		SS	Differentiation
DBF4	RSM23	YGL129C	2		SS	Protein synthesis
DBF4	KEM1	YGL173C	2		SS	RNA processing
DBF4	PAC10	YGR078C	3		SS	Cell structure
DBF4	BUB1	YGR188C	0		SL	Mitosis
DBF4	RTT107	YHR154W	3		SS	Chromatin/chromosome structure
DBF4	STB5	YHR178W	2		SS	Pol II transcription
DBF4	CTF8	YHR191C	3		SS	Chromatin/chromosome structure
DBF4	MET18	YIL128W	2		SS	Pol II Transcription
DBF4	HIR3	YJR140C	3		SS	Pol II transcription
DBF4	TIF1	YKR059W	2		SS	Protein synthesis
DBF4	TOP3	YLR234W	0		SS	Chromatin/chromosome structure
DBF4	YLR235C	YLR235C	0		SS	Unknown
DBF4	MEC3	YLR288C	3		SS	DNA repair
DBF4	MMS22	YLR320W	2		SS	Unknown
DBF4	GIM5	YML094W	2		SS	Cell structure
DBF4	VAN1	YML115C	2		SS	Protein modification
DBF4	GIM3	YNL153C	3		SS	Cell structure
DBF4	IRA2	YOL081W	0		SS	Signal transduction
DBF4	STI1	YOR027W	2		SS	Protein folding
DBF4	RAD17	YOR368W	3		SS	DNA repair
DBF4	NCE4	YPL024W	2		SS	Cell wall organization and biogenesis
DBF4	CTF4	YPR135W	0		SS	Chromatin/chromosome structure
DDC1	DCC1	YCL016C	0		SS	Chromatin/chromosome structure
DDC1	MRC1	YCL061C	3		SL	DNA repair
DDC1	YDL033C	YDL033C	2		SS	Unknown
DDC1	HTA1	YDR225W	0		SS	Chromatin/chromosome structure
DDC1	POL32	YJR043C	3		SL	DNA replication
DDC1	RAD27	YKL113C	0		SL	DNA repair
DDC1	LYS7	YMR038C	2		SL	Amino-acid metabolism
DDC1	CSM3	YMR048W	2		SS	Meiosis
DDC1	CTF18	YMR078C	0	SL		Chromatin/chromosome structure
DDC1	TOF1	YNL273W	3		SS	DNA repair
DDC1	CLA4	YNL298W	0		SS	Cell polarity
DDC1	HXT17	YNR072W	3	SL		Small molecule transport
DDC1	YME1	YPR024W	3		SL	Mitochondrion organization and biogenesis

DDC1	KAR3	YPR141C	0		SS	Mitosis
RAD9	DCC1	YCL016C	0	SS		Chromatin/chromosome structure
RAD9	MRC1	YCL060C	3	SL		DNA repair
RAD9	YDL162C	YDL162C	3	SS		Unknown
RAD9	YHL029C	YHL029C	0	SS		Unknown
RAD9	CTF8	YHR191C	0	SL		Chromatin/chromosome structure
RAD9	POL32	YJR043C	3	SL		DNA replication
RAD9	RAD27	YKL113C	0	SS		DNA repair
RAD9	SEC22	YLR268W	2	SS		Vesicular transport
RAD9	CSM3	YMR048W	2	SS		Meiosis
RAD9	CTF18	YMR078C	0	SL		Chromatin/chromosome structure
RAD9	GIM3	YNL153C	2	SS		Cell structure
RAD9	TOF1	YNL273W	3	SL		DNA repair
RAD24	MRC1	YCL060C	3		SS	DNA repair
RAD24	SOD1	YJR104C	1		SS	Cell stress
RAD24	DOA1	YKL213C	1		SS	Protein degradation
RAD24	CTF18	YMR078C	0		SL	Chromatin/chromosome structure
RAD24	TOF1	YNL273W	3		SS	DNA repair
RAD50	DEP1	YAL013w	0		SL	Lipid metabolism
RAD50	NUP60	YAR002w	0		SL	Nuclear-cytoplasmic transport
RAD50	SWD1	YAR003W	2	SS		Chromatin/chromosome structure
RAD50	SWD3	YBR175W	0		SL	Chromatin/chromosome structure
RAD50	DCC1	YCL016c	0	SL		Chromatin/chromosome structure
RAD50	MRC1	YCL060C	2		SL	DNA repair
RAD50	CSM1	YCR086W	0	SL		Meiosis
RAD50	BRE1	YDL074c	0		SS	Chromatin/chromosome stucture
RAD50	YDL162C	YDL162C	3	SL		Unknown
RAD50	SWM1	YDR260C	2	SS		Meiosis
RAD50	RNH202	YDR279W	2	SS		Unknown
RAD50	ESC2	YDR363W	0	SS		Chromatin/chromosome structure
RAD50	NPR2	YEL062W	3	SL		Small molecule transport
RAD50	BIM1	YER016W	2	SS		Mitosis
RAD50	UBP6	YFR010W	3	SL		Protein modification
RAD50	SLT2	YHR030c	0		SL	Cell wall organization and biogenesis
RAD50	RRM3	YHR031C	0	SL		DNA replication
RAD50	RTT107	YHR154W	0	SL		Chromatin/chromosome structure
RAD50	CTF8	YHR191C	0	SL		Chromatin/chromosome structure
RAD50	RTT101	YJL047c	0		SS	Protein modification
RAD50	BCK1	YJL095W	0	SS		Cell wall organization and biogenesis
RAD50	ASF1	YJL115W	0	SL		Chromatin/chromosome structure
RAD50	POL32	YJR043C	2	SL		DNA replication
RAD50	HSL1	YKL101W	0		SS	Cell cycle control
RAD50	RAD27	YKL113C	2	SL		DNA repair
RAD50	BRE2	YLR015W	2	SL		Chromatin/chromosome structure
RAD50	RAD5	YLR032W	0		SS	DNA repair
RAD50	VID22	YLR373c	0		SL	Vacuolar organization and biogenesis
RAD50	TSA1	YML028W	3	SL		Cell stress
RAD50	YML095C-A	YML095C-A	0		SS	Unknown
RAD50	VAN1	YML115C	2	SL		Protein modification
RAD50	LYS7	YMR038C	0	SL		Amino-acid metabolism
RAD50	CTF18	YMR078C	0	SL		Chromatin/chromosome structure
RAD50	MLS1	YNL117w	0		SL	Lipid metabolism
RAD50	MID1	YNL291C	2	SL		Small molecule transport
RAD50	CLA4	YNL298W	3		SL	Cell polarity
RAD50	TOP1	YOL006C	0	SS		Chromatin/chromosome structure
RAD50	ELG1	YOR144C	2	SL		DNA repair
RAD50	RLF2	YPR018W	0	SL		Chromatin/chromosome structure
RAD50	CLB2	YPR119W	2		SL	Cell cycle control
RAD50	CTF4	YPR135w	0		SL	Chromatin/chromosome structure
RAD52	UMP1	YBR173C	3	SL		Protein degradation
RAD52	DCC1	YCL016C	0		SS	Chromatin/chromosome structure

RAD52	SIT4	YDL047W	3	SL		Cell wall organization and biogenesis
RAD52	YDL162C	YDL162C	3	SL		Unknown
RAD52	PMR1	YGL167C	3	SL		Small molecule transport
RAD52	HUR1	YGL168W	2	SL		Unknown
RAD52	KEM1	YGL173C	3	SL		RNA processing
RAD52	POL32	YJR043C	2		SL	DNA replication
RAD52	RAD27	YKL113C	3		SL	DNA repair
RAD52	LYS7	YMR038C	2	SL		Amino-acid metabolism
RAD52	CTF18	YMR078C	0		SS	Chromatin/chromosome structure
RAD52	ELG1	YOR144C	3	SL		DNA repair
CDC8	MMS4	YBR098w	0		SS	DNA repair
CDC8	MRC1	YCL060C	3		SS	DNA repair
CDC8	CSM1	YCR086W	2	SS		Meiosis
CDC8	YDR438W	YDR438W	2	SS		Unknown
CDC8	ECM11	YDR446W	2	SS		Cell wall organization and biogenesis
CDC8	PPN1	YDR452W	2	SL		Phosphate metabolism
CDC8	TSA2	YDR453C	2	SL		Cell stress
CDC8	YDR458C	YDR458C	2	SL		Unknown
CDC8	PKH1	YDR490C	2	SS		Endocytosis
CDC8	BCK2	YER167W	2	SS		Cell cycle control
CDC8	RAD24	YER173W	2		SS	DNA repair
CDC8	SWF3	YGL020C	3	SS		Unknown
CDC8	KEM1	YGL173C	2		SL	RNA processing
CDC8	STB5	YHR178w	0		SL	Pol II transcription
CDC8	PET191	YJR034W	3	SL		Energy generation
CDC8	IXR1	YKL032c	0		SS	DNA repair
CDC8	YKL098W	YKL098W	3		SS	Unknown
CDC8	RAD27	YKL113C	3		SS	DNA repair
CDC8	APN1	YKL114C	3		SL	DNA repair
CDC8	TOP3	YLR234W	2		SL	Chromatin/chromosome structure
CDC8	YLR235C	YLR235C	2	SL		Unknown
CDC8	SEC22	YLR268W	3	SL		Vesicular transport
CDC8	SGS1	YMR190C	2		SS	DNA repair
CDC8	CIK1	YMR198W	0	SS		Mitosis
CDC8	MGS1	YNL218W	2		SS	DNA replication
CDC8	URE2	YNL229c	0		SL	Amino-acid metabolism
CDC8	ZWF1	YNL241C	2	SL		Carbohydrate metabolism
CDC8	TRF5	YNL299W	2		SL	Chromatin/chromosome structure
CDC8	ISW2	YOR304W	3	SS		Chromatin/chromosome strucutre
CDC8	DDC1	YPL194W	2		SS	DNA repair
MMS4	ESC2	YDR363W	2		SS	Chromatin/chromosome structure
MMS4	XRS2	YDR369C	1		SS	DNA repair
MMS4	RAD27	YKL113c	0		SL	DNA repair
MMS4	TOP3	YLR234W	3		SL	Chromatin/chromosome structure
MMS4	YLR235C	YLR235C	3		SL	Unknown
MMS4	VID22	YLR373C	2		SS	Vacuolar organization and biogenesis
MMS4	SGS1	YMR190C	3		SL	DNA repair
MMS4	NCE4	YPL024W	3		SL	Cell wall organization and biogenesis
MUS81	RAD27	YKL113c	0		SL	DNA repair
MUS81	TOP3	YLR234W	2		SL	Chromatin/chromosome structure
MUS81	YLR235C	YLR235C	2		SL	Unknown
MUS81	VID22	YLR373C	2		SS	Vacuolar organization and biogenesis
MUS81	SGS1	YMR190C	3		SL	DNA repair
MUS81	ELG1	YOR144C	2		SS	DNA repair
MUS81	NCE4	YPL024W	3		SL	Cell wall organization and biogenesis
YBR094w	SOY	YBR194W	2		SL	Unknown
YBR094w	CSM1	YCR086W	0	SS		Meiosis
YBR094w	YDL162C	YDL162C	2	SS		Unknown
YBR094w	ESC2	YDR363W	3	SL		Chromatin/chromosome structure
YBR094w	ISC1	YER019W	1	SS		Lipid metabolism
YBR094w	YEN1	YER041W	3	SS		DNA repair

YBR094w	SOH1	YGL127C	1	SS		DNA repair
YBR094w	ASF1	YJL115W	0	SS		Chromatin/chromosome structure
YBR094w	POL32	YJR043C	2	SS		DNA replication
YBR094w	TOP3	YLR234W	2	SL		Chromatin/chromosome structure
YBR094w	VID22	YLR373C	2	SS		Vacuolar organization and biogenesis
YBR094w	TSA1	YML028W	3	SL		Cell stress
YBR094w	LYS7	YMR038C	0	SS		Amino-acid metabolism
YBR094w	SGS1	YMR190C	2	SL		DNA repair
YBR094w	GIM3	YNL153C	1	SS		Cell structure
YBR094w	MON2	YNL297C	2	SL		Vacuolar organization and biogenesis
YBR094w	RRP6	YOR001W	1	SS		RNA processing
YBR094w	ELG1	YOR144C	3	SL		DNA repair
YBR094w	NCE4	YPL024W	3	SL		Cell wall organization and biogenesis
HST1	ESC2	YDR363W	1	SS		Chromatin/chromosome structure
HST1	WHI2	YOR043W	2		SS	Cell cycle control
HST3	MRC1	YCL060C	2	SL		DNA repair
HST3	HST4	YDR191W	2	SL		Chromatin/chromosome structure
HST3	POL32	YJR043C	0	SS		DNA replication
HST3	RAD27	YKL113C	2	SL		DNA repair
HST3	YLR235C	YLR235C	0	SL		Unknown
HST3	YML095C-A	YML095C-A	0	SS		Unknown
HST3	SGS1	YMR190C	1		SS	DNA repair
HST3	CIK1	YMR198W	2		SL	Mitosis
HST3	YOR082C	YOR082C	1	SS		Unknown
ESC2	NUP60	YAR002W	2	SL		Nuclear-cytoplasmic transport
ESC2	SWD1	YAR003W	1	SL		Chromatin/chromosome structure
ESC2	YBR094W	YBR094W	3	SL		Unknown
ESC2	MMS4	YBR098W	3	SL		DNA repair
ESC2	YBR099C	YBR099C	0	SL		Unknown
ESC2	YBR174C	YBR174C	0	SL		Unknown
ESC2	SLX1	YBR228W	3	SL		DNA repair
ESC2	SRO9	YCL037C	0		SL	Protein synthesis
ESC2	RPN4	YDL020C	1		SL	Protein degradation
ESC2	RNH202	YDR279W	1	SL	SS	Unknown
ESC2	MUS81	YDR386W	3		SL	DNA repair
ESC2	UBP6	YFR010W	0		SS	Protein modification
ESC2	YGR071C	YGR071C	0	SL	SS	Unknown
ESC2	UPF3	YGR072W	3	SL		RNA turnover
ESC2	RRM3	YHR031C	1	SL		DNA replication
ESC2	NMD2	YHR077C	3	SL		RNA turnover
ESC2	WSS1	YHR134W	1		SS	DNA repair
ESC2	THP2	YHR167W	0		SS	Recombination
ESC2	RPL34B	YIL052C	0		SS	Protein synthesis
ESC2	HPR5	YJL092W	0	SS		DNA repair
ESC2	SWI3	YJL176C	2	SL		Chromatin/chromosome structure
ESC2	POL32	YJR043C	2	SS		DNA replication
ESC2	HIR3	YJR140C	0	SS	SS	Pol II transcription
ESC2	SLX4	YLR135W	3	SL		DNA repair
ESC2	RNH203	YLR154C	1	SS	SS	Unknown
ESC2	YLR235C	YLR235C	0		SL	Unknown
ESC2	VID22	YLR373C	3	SL		Vacuolar organization and biogenesis
ESC2	YLR374C	YLR374C	3	SS	SS	Unknown
ESC2	MSC1	YML128C	1		SS	Unknown
ESC2	NAM7	YMR080C	2	SL		RNA turnover
ESC2	SGS1	YMR190C	1	SS		DNA repair
ESC2	RNH35	YNL072W	0	SS		DNA replication
ESC2	INP52	YNL106C	2	SL		Lipid metabolism
ESC2	MGS1	YNL218W	0	SS		DNA replication
ESC2	TOP1	YOL006C	0	SS		Chromatin/chromosome structure
ESC2	SKI7	YOR076C	0	SL		RNA turnover
ESC2	LEO1	YOR123C	0		SS	Chromatin/chromosome structure

ESC2	RIS1	YOR191W	0	SL		Chromatin/chromosome structure
ESC2	PUS7	YOR243C	0		SS	RNA processing
ESC2	NCE4	YPL024W	0	SL		Cell wall organization and biogenesis
ESC2	SUR1	YPL057C	0		SS	Lipid metabolism
ESC2	RPL21B	YPL079W	0		SS	Protein synthesis
RTT107	RMD7	YER083C	2		SS	Cell wall organization and biogenesis
RTT107	PMR1	YGL167C	1		SS	Small molecule transport
RTT107	HUR1	YGL168W	1		SS	Unknown
RTT107	RRM3	YHR031C	2		SS	DNA replication
RTT107	ZAP1	YJL056C	2		SS	Pol II transcription
RTT107	SOD1	YJR104C	0		SS	Cell stress
RTT107	TOP3	YLR234W	2		SS	Chromatin/chromosome structure
RTT107	YLR235C	YLR235C	3		SS	Unknown
RTT107	VID22	YLR373C	0		SS	Vacuolar organization and biogenesis
RTT107	IMP2	YMR035W	0		SS	Mitochondrion organization and biogenesis
RTT107	SGS1	YMR190C	0		SS	DNA repair
RTT107	GAL11	YOL051W	3		SS	Carbohydrate metabolism
RTT107	NCE4	YPL024W	3		SS	Cell wall organization and biogenesis
RAS2	PDR17	YNL264C	1	SL		Vesicular transport
RAS2	RAS1	YOR101W	3	SL		Signal transduction
RAS2	YNL063W	YNL063W	0	SS		Unknown
RAS2	COX16	YJL003W	0	SS		Energy generation
ALG6	PMT2	YAL023C	3	SL	SS	Protein modification
ALG6	PMT1	YDL095W	2	SS	SS	Protein modification
ALG6	YDL096C	YDL096C	2	SS	SS	Unknown
ALG6	RPO41	YFL036W	3	SL	SL	Mitochondrion organization and biogenesis
ALG6	OST5	YGL226C-A	3	SL	SL	Protein modification
ALG6	OST3	YOR085W	3	SL	SL	Protein modification
CHS1	DEP1	YAL013W	3	SS		Lipid metabolism
CHS1	PEX22	YAL055W	2	SS		Unknown
CHS1	ECM21	YBL101C	3	SS		Cell wall organization and biogenesis
CHS1	PHO5	YBR093C	3	SL		Phosphate metabolism
CHS1	GRS1	YBR121C	2	SL		Protein synthesis
CHS1	TYR1	YBR166C	3	SS		Amino-acid metabolism
CHS1	YBR209W	YBR209W	2	SL		Unknown
CHS1	FIG2	YCR089W	2	SS		Mating response
CHS1	YDL206W	YDL206W	3	SL		Unknown
CHS1	HBT1	YDL223C	3	SL		Cell polarity
CHS1	YDR248C	YDR248C	2	SS		Unknown
CHS1	PMP3	YDR276C	2	SL		Small molecule transport
CHS1	YDR314C	YDR314C	2	SL		DNA repair
CHS1	IPK1	YDR315C	3	SS		Lipid metabolism
CHS1	SPF1	YEL031W	2	SS		Small molecule transport
CHS1	YEL033W	YEL033W	3	SS		Differentiation
CHS1	PEA2	YER149C	2	SL		Cell polarity
CHS1	PDA1	YER178W	3	SS		Mitochondrion organization and biogenesis
CHS1	YFR045W	YFR045W	3	SL		Transport
CHS1	YGL081W	YGL081W	3	SL		Unknown
CHS1	CUE3	YGL110C	2	SL		Unknown
CHS1	EMP24	YGL200C	3	SS		Vesicular transport
CHS1	HAP2	YGL237C	2	SS		Pol II transcription
CHS1	VPS29	YHR012W	3	SS		Vesicular transport
CHS1	YIL110W	YIL110W	2	SS		Unknown
CHS1	BCK1	YJL095W	3	SL		Cell wall organization and biogenesis
CHS1	RPE1	YJL121C	2	SL		Carbohydrate metabolism
CHS1	RPA34	YJL148W	3	SS		Protein synthesis
CHS1	VPS35	YJL154C	2	SS		Vesicular transport
CHS1	ELO1	YJL196C	2	SS		Lipid metabolism
CHS1	NUC1	YJL208C	3	SS		Recombination
CHS1	HXT8	YJL214W	3	SL		Carbohydrate metabolism
CHS1	HIT1	YJR055W	2	SL		Unknown

CHS1	CNB1	YKL190W	3	SS		Cell wall organization and biogenesis
CHS1	UTH1	YKR042W	2	SS		Aging
CHS1	FPS1	YLL043W	2	SS		Transport
CHS1	PDC1	YLR044C	2	SL		Carbohydrate metabolism
CHS1	BUD20	YLR074C	2	SL		Cell polarity
CHS1	ARC18	YLR370C	2	SS		Cell polarity
CHS1	SKI2	YLR398C	2	SS		RNA turnover
CHS1	YMR003W	YMR003W	2	SL		Unknown
CHS1	PKR1	YMR123W	2	SS		Unknown
CHS1	PFK2	YMR205C	3	SS		Carbohydrate metabolism
CHS1	MRE11	YMR224C	2	SS		DNA repair
CHS1	YNL087W	YNL087W	2	SL		Unknown
CHS1	YNL171C	YNL171C	2	SS		Unknown
CHS1	YNL179C	YNL179C	2	SL		Unknown
CHS1	YNL200C	YNL200C	2	SL		Unknown
CHS1	PSY2	YNL201C	2	SL		Carbohydrate metabolism
CHS1	SPS19	YNL202W	2	SL		Lipid metabolism
CHS1	YNL203C	YNL203C	2	SL		Unknown
CHS1	SPS18	YNL204C	2	SL		Meiosis
CHS1	YNL228W	YNL228W	2	SS		Unknown
CHS1	PDR16	YNL231C	3	SS		Lipid metabolism
CHS1	YNL235C	YNL235C	3	SS		Unknown
CHS1	PEX6	YNL329C	3	SL		Lipid metabolism
CHS1	MDM38	YOL027C	2	SS		Mitochondrion organization and biogenesis
CHS1	WHI2	YOR043W	3	SL		Cell cycle control
CHS1	VPS5	YOR069W	2	SS		Vesicular transport
CHS1	VPS17	YOR132W	3	SL		Vesicular transport
CHS1	YOR322C	YOR322C	2	SL		Unknown
CHS1	LGE1	YPL055C	3	SS		Cell cycle control
CHS1	BEM4	YPL161C	3	SS		Cell polarity
CHS1	PRM3	YPL192C	2	SL		Mating response
CHS1	LEA1	YPL213W	2	SS		RNA splicing
CHS1	CLN2	YPL256C	3	SL		Cell cycle control
CHS1	YPL261C	YPL261C	2	SL		Unknown
CHS1	YME1	YPR024W	2	SS		Mitochondrion organization and biogenesis
CHS1	YPR053C	YPR053C	2	SS		Unknown
CHS3	SLA1	YBL007C	3	SS		Cell polarity
CHS3	EDE1	YBL047C	2	SS		Vesicular transport
CHS3	RPS8A	YBL072C	3	SS		Protein synthesis
CHS3	MNN2	YBR015C	3	SS		Protein modification
CHS3	MUM2	YBR057C	3	SS		Meiosis
CHS3	YBR077C	YBR077C	3	SS		Unknown
CHS3	YDL032W	YDL032W	2	SS		Unknown
CHS3	YDL033C	YDL033C	2	SS		Unknown
CHS3	HBT1	YDL223C	3	SS		Cell polarity
CHS3	SAC6	YDR129C	3	SL	SS	Cell structure
CHS3	MNN10	YDR245W	0	SL		Protein modification
CHS3	RVS167	YDR388W	0	SS		Cell polarity
CHS3	IES6	YEL044W	3	SS		Vesicular transport
CHS3	SWI4	YER111C	2	SS		Cell cycle control
CHS3	FAB1	YFR019W	2	SS		Lipid metabolism
CHS3	CDC26	YFR036W	2	SL		Cell cycle control
CHS3	GUP1	YGL084C	2	SS		Lipid metabolism
CHS3	EMP24	YGL200C	3	SS		Vesicular transport
CHS3	VAM7	YGL212W	2	SS		Vacuolar organization and biogenesis
CHS3	DOC1	YGL240W	3	SS		Cell cycle control
CHS3	PRE9	YGR135W	3	SS		Protein degradation
CHS3	SMI1	YGR229C	3	SL		Cell wall organization and biogenesis
CHS3	SLT2	YHR030C	3	SS		Cell wall organization and biogenesis
CHS3	BCK1	YJL095W	0	SL		Cell wall organization and biogenesis
CHS3	RPA34	YJL148W	2	SS		Protein synthesis

CHS3	OPI3	YJR073C	2	SS		Lipid metabolism
CHS3	ILM1	YJR118C	3	SL		Energy generation
CHS3	VPS24	YKL041W	0	SS		Vesicular transport
CHS3	SMY1	YKL079W	2	SS		Cell polarity
CHS3	MST1	YKL194C	3	SS		Protein synthesis
CHS3	VPS67	YKR020W	3	SS		Vacuolar organization and biogenesis
CHS3	UBI4	YLL039C	3	SS		Protein degradation
CHS3	CSF1	YLR087C	3	SS		Cell stress
CHS3	CCW12	YLR110C	3	SS		Cell wall organization and biogenesis
CHS3	YLR111W	YLR111W	3	SS		Unknown
CHS3	VRP1	YLR337C	0	SL		Cell polarity
CHS3	KRE21	YLR338W	3	SL		Unknown
CHS3	FKS1	YLR342W	0	SS		Cell wall organization and biogenesis
CHS3	ARC18	YLR370C	2	SS		Cell polarity
CHS3	VAN1	YML115C	3	SS		Protein modification
CHS3	TOM37	YMR060C	3	SS		Mitochondrion organization and biogenesis
CHS3	YTA12	YMR089C	3	SS		Energy generation
CHS3	ASC1	YMR116C	3	SS		Protein synthesis
CHS3	GAS1	YMR307W	2	SS		Cell wall organization and biogenesis
CHS3	TPM1	YNL079C	0	SS		Cell structure
CHS3	YNL171C	YNL171C	3	SS		Unknown
CHS3	BNI1	YNL271C	2	SS		Cell polarity
CHS3	CLA4	YNL298W	3	SS		Cell polarity
CHS3	BRE5	YNR051C	3	SS		Unknown
CHS3	SHE4	YOR035C	0	SS		Differentiation
CHS3	RPL20B	YOR312C	3	SS		Protein synthesis
CHS3	LGE1	YPL055C	3	SS		Cell cycle control
CHS3	BTS1	YPL069C	2	SS		Protein modification
CHS5	SLA1	YBL007C	0	SL		Cell polarity
CHS5	EDE1	YBL047C	0	SS		Vesicular transport
CHS5	RPS8A	YBL072C	0	SS		Protein synthesis
CHS5	ECM21	YBL101C	2	SS		Cell wall organization and biogenesis
CHS5	GRS1	YBR121C	3	SS		Protein synthesis
CHS5	AOR1	YBR231C	2	SS		Unknown
CHS5	DAN3	YBR301W	2	SS		Cell wall organization and biogenesis
CHS5	RVS161	YCR009C	0	SS		Cell polarity
CHS5	PAT1	YCR077C	2	SL		Chromatin/chromosome structure
CHS5	YDL033C	YDL033C	0	SS		Unknown
CHS5	BRE1	YDL074C	2	SS		Chromatin/chromosome stucture
CHS5	CLB3	YDL155W	3	SS		Cell cycle control
CHS5	YDL206W	YDL206W	3	SS		Unknown
CHS5	SAC6	YDR129C	0	SL		Cell structure
CHS5	MNN10	YDR245W	2	SL		Protein modification
CHS5	LSM6	YDR378C	0	SL		RNA splicing
CHS5	SHE9	YDR393W	2	SS		Mitochondrion organization and biogenesis
CHS5	DOT1	YDR440W	2	SS		Chromatin/chromosome stucture
CHS5	SWI4	YER111C	2	SS		Cell cycle control
CHS5	PEA2	YER149C	3	SS		Cell polarity
CHS5	FAB1	YFR019W	2	SS		Lipid metabolism
CHS5	YFR045W	YFR045W	3	SS		Transport
CHS5	YGL081W	YGL081W	3	SS		Unknown
CHS5	GUP1	YGL084C	0	SS		Lipid metabolism
CHS5	YGL152C	YGL152C	3	SL		Unknown
CHS5	PEX14	YGL153W	3	SL		Peroxisome organization and biogenesis
CHS5	EMP24	YGL200C	3	SS		Vesicular transport
CHS5	PRE9	YGR135W	2	SS		Protein degradation
CHS5	SMI1	YGR229C	0		SL	Cell wall organization and biogenesis
CHS5	HSE1	YHL002W	2	SS		Transport
CHS5	SLT2	YHR030C	2	SL		Cell wall organization and biogenesis
CHS5	CTK2	YJL006C	2	SS		Pol II transcription
CHS5	BCK1	YJL095W	2	SL		Cell wall organization and biogenesis

CHS5	RPA34	YJL148W	0	SS		Protein synthesis
CHS5	SWI3	YJL176C	2	SL		Chromatin/chromosome structure
CHS5	MNN11	YJL183W	2	SL		Protein modification
CHS5	RPL14A	YKL006W	2	SS		Protein synthesis
CHS5	UFD4	YKL010C	0	SS		Protein modification
CHS5	IXR1	YKL032C	0	SS		DNA repair
CHS5	VPS24	YKL041W	3	SS		Vesicular transport
CHS5	SMY1	YKL079W	2	SS		Cell polarity
CHS5	VPS67	YKR020W	0	SS		Vacuolar organization and biogenesis
CHS5	NUP133	YKR082W	0	SS		Nuclear-cytoplasmic transport
CHS5	UBI4	YLL039C	3	SS		Protein degradation
CHS5	FPS1	YLL043W	3	SS		Transport
CHS5	CSF1	YLR087C	0	SS		Cell stress
CHS5	CCW12	YLR110C	2	SS		Cell wall organization and biogenesis
CHS5	YLR111W	YLR111W	0	SS		Unknown
CHS5	SEC22	YLR268W	0	SL		Vesicular transport
CHS5	FKS1	YLR342W	0	SS		Cell wall organization and biogenesis
CHS5	ARC18	YLR370C	2	SS		Cell polarity
CHS5	TUS1	YLR425W	0	SS		Unknown
CHS5	VAN1	YML115C	2	SL		Protein modification
CHS5	ASC1	YMR116C	0	SS		Protein synthesis
CHS5	MRE11	YMR224C	3	SS		DNA repair
CHS5	GAS1	YMR307W	3	SS		Cell wall organization and biogenesis
CHS5	PET8	YNL003C	2	SS		Small molecule transport
CHS5	LAT1	YNL071W	3	SS		Energy generation
CHS5	TPM1	YNL079C	3	SS		Cell structure
CHS5	YNL171C	YNL171C	0	SS		Unknown
CHS5	CLA4	YNL298W	2		SS	Cell polarity
CHS5	COQ2	YNR041C	2	SS		Energy generation
CHS5	MDM12	YOL009C	2	SL		Mitochondrion organization and biogenesis
CHS5	IRA2	YOL081W	2	SS		Signal transduction
CHS5	VPS21	YOR089C	0	SS		Vesicular transport
CHS5	PDE2	YOR360C	2	SS		Signal transduction
CHS5	LGE1	YPL055C	0	SS		Cell cycle control
CHS5	COX11	YPL132W	2	SS		Energy generation
CHS5	BEM4	YPL161C	3	SS		Cell polarity
CHS5	LEA1	YPL213W	2	SS		RNA splicing
CHS6	MUM2	YBR057C	2	SS		Meiosis
CHS6	UME6	YDR207C	2	SS		Meiosis
CHS6	MSN5	YDR335W	2	SS		Nuclear-cytoplasmic transport
CHS6	RVS167	YDR388W	2	SS		Cell polarity
CHS6	RPO41	YFL036W	2	SS		Mitochondrion organization and biogenesis
CHS6	GUP1	YGL084C	0	SS		Lipid metabolism
CHS6	SMI1	YGR229C	0	SL		Cell wall organization and biogenesis
CHS6	SLT2	YHR030C	0	SS		Cell wall organization and biogenesis
CHS6	IST3	YIR005W	2	SS		RNA splicing
CHS6	LAS21	YJL062W	0	SS		Lipid metabolism
CHS6	BCK1	YJL095W	0	SS		Cell wall organization and biogenesis
CHS6	MNN11	YJL183W	2	SL		Protein modification
CHS6	ILM1	YJR118C	2	SL		Energy generation
CHS6	NUP133	YKR082W	0	SS		Nuclear-cytoplasmic transport
CHS6	UBI4	YLL039C	3	SL		Protein degradation
CHS6	VRP1	YLR337C	2	SL		Cell polarity
CHS6	KRE21	YLR338W	3	SL		Unknown
CHS6	FKS1	YLR342W	0	SL		Cell wall organization and biogenesis
CHS6	ARC18	YLR370C	0	SS		Cell polarity
CHS6	VAN1	YML115C	2	SL		Protein modification
CHS6	YNL235C	YNL235C	3	SS		Unknown
CHS6	CLA4	YNL298W	2	SS		Cell polarity
CHS6	IRA2	YOL081W	3	SS		Signal transduction
CHS7	SLA1	YBL007C	3	SL		Cell polarity

CHS7	EDE1	YBL047C	0	SS		Vesicular transport
CHS7	CYK3	YDL117W	0	SS		Cytokinesis
CHS7	SAC6	YDR129C	3	SL		Cell structure
CHS7	MNN10	YDR245W	3	SL		Protein modification
CHS7	RVS167	YDR388W	0	SS		Cell polarity
CHS7	RPO41	YFL036W	0	SS		Mitochondrion organization and biogenesis
CHS7	PRE9	YGR135W	3	SS		Protein degradation
CHS7	SMI1	YGR229C	3	SL		Cell wall organization and biogenesis
CHS7	SLT2	YHR030C	3	SL		Cell wall organization and biogenesis
CHS7	QDR2	YIL121W	3	SS		Transport
CHS7	BCK1	YJL095W	3	SL		Cell wall organization and biogenesis
CHS7	RPA34	YJL148W	0	SS		Protein synthesis
CHS7	OPI3	YJR073C	0	SS		Lipid metabolism
CHS7	SMY1	YKL079W	0		SS	Cell polarity
CHS7	NUP133	YKR082W	3	SS		Nuclear-cytoplasmic transport
CHS7	CCW12	YLR110C	0	SS		Cell wall organization and biogenesis
CHS7	YLR111W	YLR111W	0	SS		Unknown
CHS7	VRP1	YLR337C	3	SL		Cell polarity
CHS7	FKS1	YLR342W	3	SL		Cell wall organization and biogenesis
CHS7	TUS1	YLR425W	0	SS		Unknown
CHS7	VAN1	YML115C	3	SL		Protein modification
CHS7	TPM1	YNL079C	3	SL		Cell structure
CHS7	BNI1	YNL271C	3	SS		Cell polarity
CHS7	CLA4	YNL298W	3	SS		Cell polarity
CHS7	PEX6	YNL329C	3	SS		Lipid metabolism
CHS7	SHE4	YOR035C	3	SL		Differentiation
CNE1	GUP1	YGL084C	0	SS	SS	Lipid metabolism
CNE1	MST1	YKL194C	3	SS	SS	Protein synthesis
CNE1	PEX1	YKL197C	2	SS	SS	Lipid metabolism
CNE1	YDJ1	YNL064C	3	SS		Mitochondrion organization and biogenesis
CNE1	YNL171C	YNL171C	3	SS		Unknown
CNE1	YNR036C	YNR036C	2	SL	SS	Unknown
CTS1	PEX6	YNL329C	2	SS		Lipid metabolism
DIE2	RPO41	YFL036W	2	SL		Mitochondrion organization and biogenesis
DIE2	OST5	YGL226C-A	2	SL		Protein modification
DIE2	YGR064W	YGR064W	3	SS		Unknown
DIE2	MDM12	YOL009C	3	SS		Mitochondrion organization and biogenesis
DIE2	OST3	YOR085W	3	SL		Protein modification
ECM15	TOM37	YMR060C	3	SS		Mitochondrion organization and biogenesis
ERV29	TOM37	YMR060C	3	SL		Mitochondrion organization and biogenesis
FKS1	SLA1	YBL007C	0	SL		Cell polarity
FKS1	EDE1	YBL047C	2	SL		Vesicular transport
FKS1	SKT5	YBL061C	2	SL		Cell wall organization and biogenesis
FKS1	YBL062W	YBL062W	2	SL		Unknown
FKS1	CHS3	YBR023C	2	SL		Cell wall organization and biogenesis
FKS1	UBC4	YBR082C	2	SS		Protein degradation
FKS1	GRS1	YBR121C	2	SS		Protein synthesis
FKS1	FEN1	YCR034W	0		SS	Lipid metabolism
FKS1	PTC1	YDL006W	0	SL		Signal transduction
FKS1	HBT1	YDL223C	2	SS		Cell polarity
FKS1	RGP1	YDR137W	0	SS		Vesicular transport
FKS1	LSM6	YDR378C	2	SS		RNA splicing
FKS1	RVS167	YDR388W	0	SL		Cell polarity
FKS1	SNF1	YDR477W	2	SS	SL	Carbohydrate metabolism
FKS1	GNP1	YDR508C	0	SS		Amino-acid metabolism
FKS1	SWI4	YER111C	2	SL		Cell cycle control
FKS1	UBP3	YER151C	0	SS		Protein modification
FKS1	BEM2	YER155C	0	SL		Cell polarity
FKS1	RIM8	YGL046W	0	SS		Unknown
FKS1	YGL081W	YGL081W	2	SS		Unknown
FKS1	CUE3	YGL110C	0	SS		Unknown

FKS1	YGL196W	YGL196W	2	SS		Unknown
FKS1	DOC1	YGL240W	2	SS		Cell cycle control
FKS1	GSC2	YGR032W	0	SL		Cell wall organization and biogenesis
FKS1	PEX4	YGR133W	2	SS		Peroxisome organization and biogenesis
FKS1	PRE9	YGR135W	0	SS		Protein degradation
FKS1	CCH1	YGR217W	3	SL		Transport
FKS1	SLT2	YHR030C	2	SL		Cell wall organization and biogenesis
FKS1	CHS7	YHR142W	0	SL		Cell wall organization and biogenesis
FKS1	RPN10	YHR200W	2	SS		Pol II transcription
FKS1	IMP2'	YIL154C	2	SL		Carbohydrate metabolism
FKS1	YJL046W	YJL046W	2	SS		Protein modification
FKS1	CHS6	YJL099W	3	SL		Cell wall organization and biogenesis
FKS1	LSM1	YJL124C	2	SS		RNA turnover
FKS1	RPS21B	YJL136C	2	SS		Protein synthesis
FKS1	MNN11	YJL183W	2	SL		Protein modification
FKS1	NUC1	YJL208C	2	SS		Recombination
FKS1	HIT1	YJR055W	2	SS		Unknown
FKS1	ILM1	YJR118C	2	SS		Energy generation
FKS1	IXR1	YKL032C	2	SS		DNA repair
FKS1	ELM1	YKL048C	2	SS		Cell polarity
FKS1	CNB1	YKL190W	2	SL		Cell wall organization and biogenesis
FKS1	VPS67	YKR020W	0	SS		Vacuolar organization and biogenesis
FKS1	DBP7	YKR024C	2	SS		RNA processing
FKS1	SPA2	YLL021W	0	SS		Cell polarity
FKS1	FPS1	YLL043W	2	SS		Transport
FKS1	YLR021W	YLR021W	2	SS		Unknown
FKS1	QRI5	YLR204W	2	SS		Unknown
FKS1	MMS22	YLR320W	0	SL		Unknown
FKS1	CHS5	YLR330W	3	SL		Cell wall organization and biogenesis
FKS1	MID2	YLR332W	0	SL		Cell wall organization and biogenesis
FKS1	KRE21	YLR338W	0	SL		Unknown
FKS1	ROM2	YLR371W	0	SL		Cell wall organization and biogenesis
FKS1	PSP2	YML017W	2	SS		Unknown
FKS1	YMR073C	YMR073C	2	SS		Unknown
FKS1	CRZ1	YNL027W	2	SL		Pol II transcription
FKS1	YDJ1	YNL064C	0	SS		Mitochondrion organization and biogenesis
FKS1	RPL16B	YNL069C	2	SS		Protein synthesis
FKS1	YNL171C	YNL171C	0	SL		Unknown
FKS1	BNI4	YNL233W	0	SL		Cytokinesis
FKS1	BNI1	YNL271C	0	SS	SL	Cell polarity
FKS1	RIM21	YNL294C	2	SS		Unknown
FKS1	BRE5	YNR051C	2	SL		Unknown
FKS1	YOL003C	YOL003C	0	SS		Unknown
FKS1	TOP1	YOL006C	2	SS		Chromatin/chromosome structure
FKS1	DFG16	YOR030W	0	SS		Differentiation
FKS1	SHE4	YOR035C	0	SS		Differentiation
FKS1	RIM20	YOR275C	0	SS		Cell stress
FKS1	RPL20B	YOR312C	2	SS		Protein synthesis
FKS1	PHO85	YPL031C	2	SL		Cell cycle control
FKS1	YPL041C	YPL041C	0	SS		Unknown
FKS1	RLM1	YPL089C	3	SL		Pol II transcription
FKS1	YPL144W	YPL144W	2	SS		Meiosis
FKS1	BEM4	YPL161C	3	SS		Cell polarity
FKS1	YPL261C	YPL261C	2	SS		Unknown
FKS1	CSR2	YPR030W	2	SS		Cell wall organization and biogenesis
GAS1	YAL053W	YAL053W	3	SL		Unknown
GAS1	CHS3	YBR023C	0	SS		Cell wall organization and biogenesis
GAS1	ROT2	YBR229C	2	SL		Cell wall organization and biogenesis
GAS1	IMG1	YCR046C	2	SS		Energy generation
GAS1	PTC1	YDL006W	2	SS		Signal transduction
GAS1	AAD4	YDL243C	2	SS		Carbohydrate metabolism

GAS1	VPS61	YDR136C	3	SS		Vesicular transport
GAS1	RGP1	YDR137W	3	SS		Vesicular transport
GAS1	NBP2	YDR162C	2	SL		Cell polarity
GAS1	SSD1	YDR293C	2	SS		Cell cycle control
GAS1	DOT1	YDR440W	2	SS		Chromatin/chromosome stucture
GAS1	GNP1	YDR508C	2	SS		Amino-acid metabolism
GAS1	SWI4	YER111C	0	SS		Cell cycle control
GAS1	BEM2	YER155C	0	SS		Cell polarity
GAS1	CWH41	YGL027C	0	SL		Cell wall organization and biogenesis
GAS1	CUE3	YGL110C	3	SS		Unknown
GAS1	EMP24	YGL200C	2	SL		Vesicular transport
GAS1	KRE11	YGR166W	0	SL		Cell wall organization and biogenesis
GAS1	SMI1	YGR229C	2	SL		Cell wall organization and biogenesis
GAS1	NEM1	YHR004C	2	SS		Unknown
GAS1	SLT2	YHR030C	3	SL		Cell wall organization and biogenesis
GAS1	QDR2	YIL121W	3	SS		Transport
GAS1	BCK1	YJL095W	3	SS		Cell wall organization and biogenesis
GAS1	BUD19	YJL188C	2	SS		Cell polarity
GAS1	OPI3	YJR073C	3	SS		Lipid metabolism
GAS1	CNB1	YKL190W	3	SS		Cell wall organization and biogenesis
GAS1	SIS2	YKR072C	3	SS		Cell stress
GAS1	RIC1	YLR039C	2	SL		Vesicular transport
GAS1	VPS63	YLR261C	3	SL		Vacuolar organization and biogenesis
GAS1	YPT6	YLR262C	3	SL		Vesicular transport
GAS1	CHS5	YLR330W	3		SS	Cell wall organization and biogenesis
GAS1	RSC2	YLR357W	3	SS		Chromatin/chromosome structure
GAS1	ROM2	YLR371W	0	SL		Cell wall organization and biogenesis
GAS1	ECM7	YLR443W	2	SS		Cell wall organization and biogenesis
GAS1	NAB6	YML117W	3	SL		Unknown
GAS1	TGL3	YMR313C	0	SL		Lipid metabolism
GAS1	YMR316C-A	YMR316C-A	2	SS		Unknown
GAS1	YMR317W	YMR317W	0	SL		Unknown
GAS1	ADH6	YMR318C	0	SL		Carbohydrate metabolism
GAS1	YMR326C	YMR326C	0	SL		Unknown
GAS1	RIM21	YNL294C	2	SS		Unknown
GAS1	KRE1	YNL322C	0	SS		Cell wall organization and biogenesis
GAS1	SLG1	YOR008C	2	SL		Cell wall organization and biogenesis
GAS1	HAP5	YOR358W	2	SS		Pol II transcription
GAS1	PHO85	YPL031C	3		SS	Cell cycle control
GAS1	YPL041C	YPL041C	3	SS		Unknown
GAS1	RLM1	YPL089C	3	SS		Pol II transcription
GAS1	BEM4	YPL161C	3	SS	SS	Cell polarity
GSC2	FKS1	YLR342W	2	SL	SL	Cell wall organization and biogenesis
HKR1	MNN10	YDR245W	2	SS	SS	Protein modification
HKR1	DOT1	YDR440W	2	SL		Chromatin/chromosome stucture
HKR1	CDC26	YFR036W	2	SL		Cell cycle control
HKR1	EMP24	YGL200C	3	SL		Vesicular transport
HKR1	NSR1	YGR159C	3	SS		Ribosomal large subunit nucleus export
HKR1	BCK1	YJL095W	3	SS		Cell wall organization and biogenesis
HKR1	VPS24	YKL041W	3	SL		Vesicular transport
HKR1	TOM37	YMR060C	3	SL		Mitochondrion organization and biogenesis
HKR1	YTA12	YMR089C	2	SL		Energy generation
HKR1	PKR1	YMR123W	3	SS	SS	Unknown
HKR1	YDJ1	YNL064C	3	SL		Mitochondrion organization and biogenesis
HKR1	YNL171C	YNL171C	3	SS		Unknown
HKR1	IFM1	YOL023W	3	SL		Energy generation
HKR1	ARP8	YOR141C	3	SL		Cell structure
HKR1	GDH1	YOR375C	3	SS		Amino-acid metabolism
HKR1	BEM4	YPL161C	3	SS		Cell polarity
HOC1	VPS8	YAL002W	3	SS		Vesicular transport
HOC1	SLA1	YBL007C	3	SL		Cell polarity

HOC1	EDE1	YBL047C	3	SS		Vesicular transport
HOC1	UBC4	YBR082C	3	SS		Protein degradation
HOC1	RPS6B	YBR181C	2	SS		Protein synthesis
HOC1	SAC6	YDR129C	3	SS		Cell structure
HOC1	RVS167	YDR388W	3	SL		Cell polarity
HOC1	SPF1	YEL031W	3	SL		Small molecule transport
HOC1	RPL1B	YGL135W	3	SS	SS	Protein synthesis
HOC1	PAC10	YGR078C	3	SS		Cell structure
HOC1	PEX4	YGR133W	3	SL		Peroxisome organization and biogenesis
HOC1	ARD1	YHR013C	3	SS		Chromatin/chromosome structure
HOC1	BCK1	YJL095W	3	SL		Cell wall organization and biogenesis
HOC1	RPA34	YJL148W	3	SS		Protein synthesis
HOC1	SWI3	YJL176C	2	SS		Chromatin/chromosome structure
HOC1	POL32	YJR043C	0	SS		DNA replication
HOC1	CSN12	YJR084W	2	SL		Unknown
HOC1	RPS4A	YJR145C	3	SS		Protein synthesis
HOC1	YPT52	YKR014C	3	SS		Vesicular transport
HOC1	VPS67	YKR020W	3	SS		Vacuolar organization and biogenesis
HOC1	NUP133	YKR082W	3	SS		Nuclear-cytoplasmic transport
HOC1	RPL22A	YLR061W	3	SS		Protein synthesis
HOC1	CSF1	YLR087C	2	SS		Cell stress
HOC1	HCR1	YLR192C	3	SL		Protein synthesis
HOC1	ATP14	YLR295C	2	SS		Energy generation
HOC1	VRP1	YLR337C	3	SL		Cell polarity
HOC1	KRE21	YLR338W	3	SS		Unknown
HOC1	VPS38	YLR360W	3	SL		Vesicular transport
HOC1	COG8	YML071C	2	SS		Vesicular transport
HOC1	GIM5	YML094W	3	SS		Cell structure
HOC1	VPS9	YML097C	3	SS		Vesicular transport
HOC1	VAN1	YML115C	3	SS	SS	Protein modification
HOC1	TOM37	YMR060C	3	SL		Mitochondrion organization and biogenesis
HOC1	CIK1	YMR198W	3	SS		Mitosis
HOC1	GIM3	YNL153C	3	SS		Cell structure
HOC1	KRE1	YNL322C	3		SS	Cell wall organization and biogenesis
HOC1	YNR005C	YNR005C	3	SL	SS	Unknown
HOC1	BRE5	YNR051C	3	SL		Unknown
HOC1	SHE4	YOR035C	3	SL		Differentiation
HOC1	VPS21	YOR089C	3	SS	SS	Vesicular transport
HOC1	PHO85	YPL031C	0	SL		Cell cycle control
HOC1	COX10	YPL172C	3	SS		Energy generation
HOG1	YBL083C	YBL083C	2	SS		Unknown
HOG1	SOY	YBR194W	3	SS		Unknown
HOG1	SEM1	YDR363W-A	2	SS		Vesicular transport
HOG1	ERD1	YDR414C	2	SS		Protein modification
HOG1	ITR1	YDR497C	3	SS		Transport
HOG1	EMP24	YGL200C	2	SS		Vesicular transport
HOG1	DBF2	YGR092W	3	SS		Cell cycle control
HOG1	MNN11	YJL183W	2	SS		Protein modification
HOG1	VPS24	YKL041W	3	SL		Vesicular transport
HOG1	MST1	YKL194C	2	SS		Protein synthesis
HOG1	YLR358C	YLR358C	2	SS		Unknown
HOG1	SKI2	YLR398C	2	SS		RNA turnover
HOG1	VPS9	YML097C	2	SL		Vesicular transport
HOG1	YTA12	YMR089C	2	SS		Energy generation
HOG1	CIK1	YMR198W	2	SS		Mitosis
HOG1	SCS7	YMR272C	3	SL		Lipid metabolism
HOG1	YNL171C	YNL171C	3	SS		Unknown
HOG1	IES2	YNL215W	3	SS	SS	Unknown
HOG1	PDR17	YNL264C	2	SS		Vesicular transport
HOG1	KRE25	YNL296W	3	SS		Unknown
HOG1	LEO1	YOR123C	3	SS	SS	Chromatin/chromosome structure

HOG1	BIT89	YPL180W	3	SS		Lipid metabolism
HOG1	YPR045C	YPR045C	2	SS		Unknown
KNH1	VPS8	YAL002W	2	SS		Vesicular transport
KNH1	EDS1	YBR033W	2	SS		Pol II transcription
KNH1	RPN4	YDL020C	3	SS		Protein degradation
KNH1	YDL033C	YDL033C	2	SS		Unknown
KNH1	PEX19	YDL065C	2	SL		Peroxisome organization and biogenesis
KNH1	PEX5	YDR244W	3	SS		Lipid metabolism
KNH1	YDR249C	YDR249C	2	SS		Unknown
KNH1	PEX3	YDR329C	3	SS		Peroxisome organization and biogenesis
KNH1	PTP3	YER075C	3	SS		Signal transduction
KNH1	DST1	YGL043W	2	SS		Pol II transcription
KNH1	YGR064W	YGR064W	3	SS		Unknown
KNH1	PEX4	YGR133W	2	SS		Peroxisome organization and biogenesis
KNH1	PRE9	YGR135W	3	SS		Protein degradation
KNH1	NSR1	YGR159C	3	SS		Ribosomal large subunit nucleus export
KNH1	PSD2	YGR170W	3	SS		Lipid metabolism
KNH1	YGR206W	YGR206W	2	SS		Unknown
KNH1	RPS0A	YGR214W	3	SS		Protein synthesis
KNH1	YHL005C	YHL005C	2	SS		Unknown
KNH1	ARD1	YHR013C	3	SL		Chromatin/chromosome structure
KNH1	YHR034C	YHR034C	2	SS		Protein synthesis
KNH1	RPS4B	YHR203C	2	SS		Protein synthesis
KNH1	QDR2	YIL121W	2	SL		Transport
KNH1	RPA34	YJL148W	3	SS		Protein synthesis
KNH1	VPS35	YJL154C	2	SS		Vesicular transport
KNH1	KRE9	YJL174W	0		SL	Protein modification
KNH1	IXR1	YKL032C	3	SS		DNA repair
KNH1	YPK1	YKL126W	2	SL		Endocytosis
KNH1	PEX13	YLR191W	2	SS		Peroxisome organization and biogenesis
KNH1	YLR282C	YLR282C	2	SS		Unknown
KNH1	CHS5	YLR330W	2	SS		Cell wall organization and biogenesis
KNH1	ORM2	YLR350W	3	SS		Cell wall organization and biogenesis
KNH1	VPS38	YLR360W	2	SS		Vesicular transport
KNH1	COG8	YML071C	2	SS		Vesicular transport
KNH1	IMP2	YMR035W	3	SS		Mitochondrion organization and biogenesis
KNH1	TOM37	YMR060C	3	SS	SS	Mitochondrion organization and biogenesis
KNH1	RPS10B	YMR230W	2	SS		Protein synthesis
KNH1	YNL171C	YNL171C	2	SS		Unknown
KNH1	PEX6	YNL329C	3	SL		Lipid metabolism
KNH1	VPS5	YOR069W	3	SS		Vesicular transport
KNH1	GYP1	YOR070C	3	SS		Vesicular transport
KNH1	YPR197C	YPR197C	2	SS		Unknown
KRE11	RRN10	YBL025W	3	SS		Pol I transcription
KRE11	ECM21	YBL101C	3	SS		Cell wall organization and biogenesis
KRE11	MUM2	YBR057C	3	SS		Meiosis
KRE11	FYV5	YCL058C	3	SS		Unknown
KRE11	PER1	YCR044C	3	SS	SS	Other metabolism
KRE11	DOT1	YDR440W	3	SS		Chromatin/chromosome stucture
KRE11	YEL048C	YEL048C	3	SL		Unknown
KRE11	GUP1	YGL084C	3	SS		Lipid metabolism
KRE11	MMM2	YGL219C	3	SS		Unknown
KRE11	CHO2	YGR157W	3	SS		Lipid metabolism
KRE11	SMI1	YGR229C	0	SS		Cell wall organization and biogenesis
KRE11	ARD1	YHR013C	3	SL		Chromatin/chromosome structure
KRE11	SLT2	YHR030C	3	SS		Cell wall organization and biogenesis
KRE11	BCK1	YJL095W	3	SL		Cell wall organization and biogenesis
KRE11	KRE9	YJL174W	0		SL	Protein modification
KRE11	SWI3	YJL176C	2	SS		Chromatin/chromosome structure
KRE11	ILM1	YJR118C	3	SS	SS	Energy generation
KRE11	VPS24	YKL041W	3	SL		Vesicular transport

KRE11	CTK1	YKL139W	3	SS		Pol II transcription
KRE11	VPS67	YKR020W	3	SL		Vacuolar organization and biogenesis
KRE11	VID22	YLR373C	3	SS		Vacuolar organization and biogenesis
KRE11	TOM37	YMR060C	3	SS		Mitochondrion organization and biogenesis
KRE11	YTA12	YMR089C	3	SL		Energy generation
KRE11	ASC1	YMR116C	3	SS		Protein synthesis
KRE11	GAS1	YMR307W	3	SS		Cell wall organization and biogenesis
KRE11	YNL171C	YNL171C	3	SL		Unknown
KRE11	KRE1	YNL322C	0		SL	Cell wall organization and biogenesis
KRE11	PEX6	YNL329C	3	SS		Lipid metabolism
KRE11	TRS33	YOR115C	3	SL		Vesicular transport
KRE11	RPL20B	YOR312C	3	SS		Protein synthesis
KRE11	BTS1	YPL069C	3	SL		Protein modification
KRE6	PEX22	YAL055W	3	SS		Unknown
KRE6	YBL053W	YBL053W	2	SL		Unknown
KRE6	YBR042C	YBR042C	2	SL		Lipid metabolism
KRE6	YDL206W	YDL206W	3	SL		Unknown
KRE6	RGP1	YDR137W	2	SL		Vesicular transport
KRE6	RTN1	YDR233C	2	SL		Unknown
KRE6	YDR248C	YDR248C	2	SL		Unknown
KRE6	GGA1	YDR358W	2	SL		Vesicular transport
KRE6	EFT2	YDR385W	2	SL		Protein synthesis
KRE6	YEL047C	YEL047C	2	SL		Other metabolism
KRE6	RPO41	YFL036W	3	SS		Mitochondrion organization and biogenesis
KRE6	YGL081W	YGL081W	2	SL		Unknown
KRE6	RPL1B	YGL135W	2	SL		Protein synthesis
KRE6	YGL196W	YGL196W	2	SL		Unknown
KRE6	EMP24	YGL200C	2	SS		Vesicular transport
KRE6	CLG1	YGL215W	2	SL		Unknown
KRE6	RTF1	YGL244W	2	SL		Pol II transcription
KRE6	VMA21	YGR105W	2	SS		Vacuolar organization and biogenesis
KRE6	RPL34B	YIL052C	3	SS		Protein synthesis
KRE6	SWI3	YJL176C	2	SL		Chromatin/chromosome structure
KRE6	VPS24	YKL041W	2	SS		Vesicular transport
KRE6	OAC1	YKL120W	2	SS		Transport
KRE6	FPS1	YLL043W	2	SS		Transport
KRE6	POM34	YLR018C	2	SL		Nuclear-cytoplasmic transport
KRE6	ACE2	YLR131C	2	SS		Pol II Transcription
KRE6	PUS5	YLR165C	2	SL		Other metabolism
KRE6	VAN1	YML115C	2	SL		Protein modification
KRE6	VAM10	YOR068C	2	SS		Vacuolar organization and biogenesis
KRE6	DIA2	YOR080W	2	SS		Differentiation
KRE6	PRM3	YPL192C	2	SL		Mating response
KRE9	KNH1	YDL049C	0		SL	Cell wall organization and biogenesis
KRE9	KRE11	YGR166W	0		SL	Cell wall organization and biogenesis
KRE9	QCR8	YJL166W	3	SL	SL	Energy generation
KRE9	YJR011C	YJR011C	2	SL	SL	Unknown
KRE9	BAT2	YJR148W	2	SL	SL	Amino-acid metabolism
KRE9	YKL177W	YKL177W	3	SL	SL	Unknown
KRE9	STM1	YLR150W	2	SL	SL	Nucleotide metabolism
KRE9	MRE11	YMR224C	3	SL	SL	DNA repair
KRE9	ARK1	YNL020C	2	SL	SL	Cell polarity
KRE9	KRE1	YNL322C	0	SL		Cell wall organization and biogenesis
KRE9	PRM3	YPL192C	2	SL	SL	Mating response
KTR3	KRE21	YLR338W	3	SL	SS	Unknown
KTR3	TOM37	YMR060C	3	SS	SS	Mitochondrion organization and biogenesis
LAS21	FUI1	YBL042C	3	SS		Small molecule transport
LAS21	ECM21	YBL101C	2	SS		Cell wall organization and biogenesis
LAS21	YBL104C	YBL104C	3	SS		Unknown
LAS21	ECM8	YBR076W	3	SS		Cell wall organization and biogenesis
LAS21	AGP1	YCL025C	2	SS		Transport

LAS21	PEX19	YDL065C	3	SL		Peroxisome organization and biogenesis
LAS21	YDL096C	YDL096C	2	SS		Unknown
LAS21	SEM1	YDR363W-A	2	SL		Vesicular transport
LAS21	RPL9A	YGL147C	3	SS		Protein synthesis
LAS21	ARD1	YHR013C	3	SS		Chromatin/chromosome structure
LAS21	IMP2'	YIL154C	2	SL		Carbohydrate metabolism
LAS21	BCK1	YJL095W	3	SS		Cell wall organization and biogenesis
LAS21	CHS6	YJL099W	2	SS		Cell wall organization and biogenesis
LAS21	RPA34	YJL148W	3	SS		Protein synthesis
LAS21	CSF1	YLR087C	3	SS		Cell stress
LAS21	PEX15	YOL044W	3	SS		Cell structure
LAS21	RPL21B	YPL079W	2	SS		Protein synthesis
LAS21	YPL080C	YPL080C	2	SS		Unknown
LAS21	LEA1	YPL213W	3	SS		RNA splicing
LAS21	YPR045C	YPR045C	3	SS		Unknown
LRE1	IMP2	YMR035W	3	SS		Mitochondrion organization and biogenesis
MID2	SAC6	YDR129C	3	SS	SS	Cell structure
MID2	SMI1	YGR229C	3	SS	SS	Cell wall organization and biogenesis
MID2	ILM1	YJR118C	3	SL	SL	Energy generation
MID2	FPS1	YLL043W	3	SS	SL	Transport
MID2	CCW12	YLR110C	2	SS	SL	Cell wall organization and biogenesis
MID2	YLR111W	YLR111W	2	SL	SL	Unknown
MID2	KRE21	YLR338W	3	SL	SL	Unknown
MID2	ROM2	YLR371W	3	SL	SL	Cell wall organization and biogenesis
MID2	VAN1	YML115C	3	SS	SL	Protein modification
MID2	SLG1	YOR008C	3	SL	SL	Cell wall organization and biogenesis
MNL1	RPL20B	YOR312C	2	SS	SS	Protein synthesis
MNS1	CKB1	YGL019W	0	SS		Cell cycle control
SKN1	RRN10	YBL025W	3	SL		Pol I transcription
SKN1	PEX5	YDR244W	2	SL		Lipid metabolism
SKN1	PEX4	YGR133W	3	SL		Peroxisome organization and biogenesis
SKN1	PRE9	YGR135W	3	SL		Protein degradation
SKN1	LST4	YKL176C	2	SS		Vesicular transport
SKN1	IFM1	YOL023W	3	SL		Energy generation
SKT5	SLA1	YBL007C	3	SS		Cell polarity
SKT5	EDE1	YBL047C	3	SS		Vesicular transport
SKT5	UBP13	YBL067C	2	SS		Protein modification
SKT5	AST1	YBL069W	2	SS		Protein targeting
SKT5	RPS8A	YBL072C	3	SS		Protein synthesis
SKT5	SAC6	YDR129C	3	SL		Cell structure
SKT5	UME6	YDR207C	0	SS		Meiosis
SKT5	MNN10	YDR245W	3	SL		Protein modification
SKT5	ATP17	YDR377W	3	SS		Energy generation
SKT5	RVS167	YDR388W	0	SL		Cell polarity
SKT5	SPF1	YEL031W	3	SS		Small molecule transport
SKT5	SWI4	YER111C	0	SS		Cell cycle control
SKT5	RPO41	YFL036W	0	SS		Mitochondrion organization and biogenesis
SKT5	FAB1	YFR019W	0	SS		Lipid metabolism
SKT5	GUP1	YGL084C	0	SL		Lipid metabolism
SKT5	SMI1	YGR229C	0	SL		Cell wall organization and biogenesis
SKT5	SLT2	YHR030C	3	SS		Cell wall organization and biogenesis
SKT5	BCK1	YJL095W	3	SL		Cell wall organization and biogenesis
SKT5	RPA34	YJL148W	0	SS		Protein synthesis
SKT5	OPI3	YJR073C	3	SS		Lipid metabolism
SKT5	ILM1	YJR118C	3	SL		Energy generation
SKT5	SMY1	YKL079W	3	SS		Cell polarity
SKT5	YPK1	YKL126W	3	SS		Endocytosis
SKT5	LST4	YKL176C	3	SS		Vesicular transport
SKT5	FPS1	YLL043W	3	SS		Transport
SKT5	CSF1	YLR087C	3	SS		Cell stress
SKT5	CCW12	YLR110C	0	SS		Cell wall organization and biogenesis

SKT5	YLR111W	YLR111W	0	SS		Unknown
SKT5	SEC22	YLR268W	2	SS		Vesicular transport
SKT5	VRP1	YLR337C	3	SL		Cell polarity
SKT5	KRE21	YLR338W	3	SL		Unknown
SKT5	FKS1	YLR342W	0	SL		Cell wall organization and biogenesis
SKT5	ARC18	YLR370C	2	SS		Cell polarity
SKT5	TUS1	YLR425W	0	SS		Unknown
SKT5	VAN1	YML115C	3	SL		Protein modification
SKT5	YTA12	YMR089C	3	SS		Energy generation
SKT5	TPM1	YNL079C	3	SL		Cell structure
SKT5	BNI1	YNL271C	0		SS	Cell polarity
SKT5	CLA4	YNL298W	3	SS		Cell polarity
SKT5	BRE5	YNR051C	3	SS		Unknown
SKT5	SHE4	YOR035C	3	SS		Differentiation
SKT5	RSA1	YPL193W	2	SS		Ribosomal large subunit assembly and maintenance
SMI1	SLA1	YBL007C	3	SL		Cell polarity
SMI1	SKT5	YBL061C	2	SS		Cell wall organization and biogenesis
SMI1	ECM21	YBL101C	3	SS		Cell wall organization and biogenesis
SMI1	CHS3	YBR023C	3	SL		Cell wall organization and biogenesis
SMI1	FAT1	YBR041W	2	SL		Lipid metabolism
SMI1	UBC4	YBR082C	3	SL		Protein degradation
SMI1	CCZ1	YBR131W	2	SL		Vesicular transport
SMI1	TYR1	YBR166C	2	SL		Amino-acid metabolism
SMI1	BEM1	YBR200W	3	SL		Cell polarity
SMI1	PTC1	YDL006W	3	SL		Signal transduction
SMI1	RPA14	YDR156W	2	SL		Pol I transcription
SMI1	NBP2	YDR162C	3	SL		Cell polarity
SMI1	MNN10	YDR245W	3	SL		Protein modification
SMI1	SBE2	YDR351W	3	SS		Cell wall organization and biogenesis
SMI1	RVS167	YDR388W	2	SS		Cell polarity
SMI1	SPF1	YEL031W	2	SL		Small molecule transport
SMI1	SWI4	YER111C	3	SS		Cell cycle control
SMI1	UBP3	YER151C	3	SS		Protein modification
SMI1	BEM2	YER155C	3	SL		Cell polarity
SMI1	PDA1	YER178W	2	SS		Mitochondrion organization and biogenesis
SMI1	RPL29	YFR032C-A	2	SS		Protein synthesis
SMI1	RIM8	YGL046W	2	SS		Unknown
SMI1	DOC1	YGL240W	3	SS		Cell cycle control
SMI1	PRE9	YGR135W	3	SS		Protein degradation
SMI1	KRE11	YGR166W	2	SS		Cell wall organization and biogenesis
SMI1	RPS0A	YGR214W	2	SS		Protein synthesis
SMI1	CCH1	YGR217W	2	SL		Transport
SMI1	YGR237C	YGR237C	2	SL		Unknown
SMI1	SLT2	YHR030C	2	SL		Cell wall organization and biogenesis
SMI1	ARP1	YHR129C	0		SS	Mitosis
SMI1	CHS7	YHR142W	2	SL		Cell wall organization and biogenesis
SMI1	CTF8	YHR191C	2	SS		Chromatin/chromosome structure
SMI1	RPN10	YHR200W	2	SS		Pol II transcription
SMI1	BCK1	YJL095W	3	SL		Cell wall organization and biogenesis
SMI1	CHS6	YJL099W	3	SL		Cell wall organization and biogenesis
SMI1	PHO86	YJL117W	2	SS		Phosphate metabolism
SMI1	MNN11	YJL183W	3	SS		Protein modification
SMI1	BUD19	YJL188C	3	SS		Cell polarity
SMI1	ILM1	YJR118C	3	SL		Energy generation
SMI1	ELM1	YKL048C	3	SS		Cell polarity
SMI1	CNB1	YKL190W	2	SS		Cell wall organization and biogenesis
SMI1	VPS67	YKR020W	2	SS		Vacuolar organization and biogenesis
SMI1	SPA2	YLL021W	2	SS		Cell polarity
SMI1	FPS1	YLL043W	3	SL		Transport
SMI1	RIC1	YLR039C	3	SS		Vesicular transport
SMI1	YPT6	YLR262C	2	SS		Vesicular transport

SMI1	MMS22	YLR320W	3	SS		Unknown
SMI1	CHS5	YLR330W	3	SL	SL	Cell wall organization and biogenesis
SMI1	MID2	YLR332W	3		SS	Cell wall organization and biogenesis
SMI1	YLR358C	YLR358C	3	SS		Unknown
SMI1	ROM2	YLR371W	3	SS		Cell wall organization and biogenesis
SMI1	IKI3	YLR384C	2	SS		Pol II transcription
SMI1	VAN1	YML115C	3	SL		Protein modification
SMI1	NAB6	YML117W	2	SS		Unknown
SMI1	LYS7	YMR038C	3	SL		Amino-acid metabolism
SMI1	ASC1	YMR116C	3	SS		Protein synthesis
SMI1	PFK2	YMR205C	2	SS		Carbohydrate metabolism
SMI1	GAS1	YMR307W	3	SS		Cell wall organization and biogenesis
SMI1	YNL171C	YNL171C	3	SL		Unknown
SMI1	BNI4	YNL233W	3	SL		Cytokinesis
SMI1	BNI1	YNL271C	2	SS		Cell polarity
SMI1	CLA4	YNL298W	3	SS		Cell polarity
SMI1	KRE1	YNL322C	3	SS		Cell wall organization and biogenesis
SMI1	BRE5	YNR051C	3	SL		Unknown
SMI1	YOL003C	YOL003C	3	SS		Unknown
SMI1	DFG16	YOR030W	2	SS		Differentiation
SMI1	RIM20	YOR275C	3	SS		Cell stress
SMI1	PHO85	YPL031C	3		SS	Cell cycle control
SMI1	YPL077C	YPL077C	2	SL		Unknown
SMI1	RLM1	YPL089C	3	SL		Pol II transcription
SMI1	CTF4	YPR135W	3	SS		Chromatin/chromosome structure
SVP26	BUD25	YER014C-A	3	SS		Cell polarity
SVP26	EMP24	YGL200C	3	SS		Vesicular transport
SVP26	MST1	YKL194C	3	SS		Protein synthesis
SVP26	VPS38	YLR360W	2	SS		Vesicular transport
SVP26	BDF1	YLR399C	3	SS		Pol II Transcription
SVP26	AEP2	YMR282C	3	SL		Mitochondrion organization and biogenesis
SVP26	YDJ1	YNL064C	3	SS		Mitochondrion organization and biogenesis
SVP26	HTZ1	YOL012C	2	SS		Chromatin/chromosome structure
YKL037W	PTC1	YDL006W	3	SS		Signal transduction
YKL037W	UBP3	YER151C	2	SS		Protein modification
YKL037W	SLT2	YHR030C	2	SL		Cell wall organization and biogenesis
YKL037W	BCK1	YJL095W	3	SL		Cell wall organization and biogenesis
YKL037W	FPS1	YLL043W	2	SS		Transport
YKL037W	ABF2	YMR072W	3	SS		Mitochondrion organization and biogenesis
YLR057W	EMP24	YGL200C	2	SS		Vesicular transport
YLR057W	PEX6	YNL329C	2	SS		Lipid metabolism
YUR1	SLT2	YHR030C	2	SL		Cell wall organization and biogenesis
YUR1	BCK1	YJL095W	3	SL		Cell wall organization and biogenesis
YUR1	UBI4	YLL039C	0	SS		Protein degradation
YUR1	PEX15	YOL044W	2	SS		Cell structure
RVS161	DEP1	YAL013W	3		SS	Lipid metabolism
RVS161	SLA1	YBL007C	3		SS	Cell polarity
RVS161	SKT5	YBL061C	1		SS	Cell wall organization and biogenesis
RVS161	MNN2	YBR015C	3		SS	Protein modification
RVS161	CHS3	YBR023C	1		SS	Cell wall organization and biogenesis
RVS161	RXT2	YBR095C	3		SS	Unknown
RVS161	TPS1	YBR126C	3		SS	Carbohydrate metabolism
RVS161	YBR255W	YBR255W	3		SS	Unknown
RVS161	CYK3	YDL117W	3		SS	Cytokinesis
RVS161	MNN10	YDR245W	3		SL	Protein modification
RVS161	SUM1	YDR310C	3		SS	Chromatin/chromosome structure
RVS161	GIM4	YEL003W	1		SS	Cell structure
RVS161	SPF1	YEL031W	3		SL	Small molecule transport
RVS161	SWI4	YER111C	3		SL	Cell cycle control
RVS161	GUP1	YGL084C	3		SL	Lipid metabolism
RVS161	PAC10	YGR078C	3		SL	Cell structure

RVS161	SLT2	YHR030C	3	SL	Cell wall organization and biogenesis
RVS161	CHS7	YHR142W	1	SS	Cell wall organization and biogenesis
RVS161	CAP2	YIL034C	3	SL	Cell structure
RVS161	SDS3	YIL084C	3	SL	Chromatin/chromosome structure
RVS161	YIB3	YIR003W	3	SS	Unknown
RVS161	BBC1	YJL020C	3	SS	Cell polarity
RVS161	BCK1	YJL095W	3	SL	Cell wall organization and biogenesis
RVS161	CHS6	YJL099W	1	SS	Cell wall organization and biogenesis
RVS161	HOC1	YJR075W	3	SS	Cell wall organization and biogenesis
RVS161	CAP1	YKL007W	3	SL	Cell structure
RVS161	EAP1	YKL204W	3	SL	Protein synthesis
RVS161	DOA1	YKL213C	3	SS	Protein degradation
RVS161	CSF1	YLR087C	3	SL	Cell stress
RVS161	CCW12	YLR110C	3	SL	Cell wall organization and biogenesis
RVS161	YLR111W	YLR111W	3	SS	Unknown
RVS161	YKE2	YLR200W	3	SS	Cell structure
RVS161	SEC22	YLR268W	3	SS	Vesicular transport
RVS161	CHS5	YLR330W	3	SS	Cell wall organization and biogenesis
RVS161	GIM5	YML094W	1	SL	Cell structure
RVS161	MYO5	YMR109W	3	SS	Cell polarity
RVS161	SAP30	YMR263W	3	SS	Chromatin/chromosome structure
RVS161	END3	YNL084C	1	SS	Endocytosis
RVS161	PHO23	YNL097C	3	SS	Phosphate metabolism
RVS161	GIM3	YNL153C	3	SS	Cell structure
RVS161	BNI4	YNL233W	1	SS	Cytokinesis
RVS161	CLA4	YNL298W	1	SS	Cell polarity
RVS161	KRE1	YNL322C	3	SS	Cell wall organization and biogenesis
RVS161	SIN3	YOL004W	3	SS	Pol II transcription
RVS161	VPS21	YOR089C	3	SS	Vesicular transport
RVS161	RUD3	YOR216C	3	SS	Vesicular transport
RVS161	MNN9	YPL050C	1	SL	Protein modification
RVS167	DEP1	YAL013W	3	SS	Lipid metabolism
RVS167	SLA1	YBL007C	3	SS	Cell polarity
RVS167	SKT5	YBL061C	1	SS	Cell wall organization and biogenesis
RVS167	MNN2	YBR015C	3	SS	Protein modification
RVS167	CHS3	YBR023C	1	SS	Cell wall organization and biogenesis
RVS167	RXT2	YBR095C	3	SS	Unknown
RVS167	TPS1	YBR126C	3	SS	Carbohydrate metabolism
RVS167	YBR255W	YBR255W	3	SS	Unknown
RVS167	CYK3	YDL117W	3	SS	Cytokinesis
RVS167	MNN10	YDR245W	3	SL	Protein modification
RVS167	SUM1	YDR310C	3	SS	Chromatin/chromosome structure
RVS167	GIM4	YEL003W	1	SS	Cell structure
RVS167	SPF1	YEL031W	3	SL	Small molecule transport
RVS167	SWI4	YER111C	3	SL	Cell cycle control
RVS167	GUP1	YGL084C	3	SS	Lipid metabolism
RVS167	PAC10	YGR078C	3	SL	Cell structure
RVS167	SLT2	YHR030C	3	SL	Cell wall organization and biogenesis
RVS167	CHS7	YHR142W	1	SS	Cell wall organization and biogenesis
RVS167	CAP2	YIL034C	3	SL	Cell structure
RVS167	SDS3	YIL084C	3	SL	Chromatin/chromosome structure
RVS167	YIB3	YIR003W	3	SS	Unknown
RVS167	BBC1	YJL020C	3	SS	Cell polarity
RVS167	BCK1	YJL095W	3	SL	Cell wall organization and biogenesis
RVS167	CHS6	YJL099W	1	SS	Cell wall organization and biogenesis
RVS167	HOC1	YJR075W	3	SS	Cell wall organization and biogenesis
RVS167	CAP1	YKL007W	3	SL	Cell structure
RVS167	EAP1	YKL204W	3	SS	Protein synthesis
RVS167	DOA1	YKL213C	3	SS	Protein degradation
RVS167	CSF1	YLR087C	3	SL	Cell stress
RVS167	CCW12	YLR110C	3	SL	Cell wall organization and biogenesis

RVS167	YLR111W	YLR111W	3		SS	Unknown
RVS167	YKE2	YLR200W	3		SS	Cell structure
RVS167	SEC22	YLR268W	3		SS	Vesicular transport
RVS167	CHS5	YLR330W	3		SS	Cell wall organization and biogenesis
RVS167	GIM5	YML094W	1		SL	Cell structure
RVS167	MYO5	YMR109W	3		SS	Cell polarity
RVS167	SAP30	YMR263W	3		SS	Chromatin/chromosome structure
RVS167	END3	YNL084C	1		SS	Endocytosis
RVS167	PHO23	YNL097C	3		SS	Phosphate metabolism
RVS167	GIM3	YNL153C	3		SS	Cell structure
RVS167	BNI4	YNL233W	1		SS	Cytokinesis
RVS167	CLA4	YNL298W	1		SS	Cell polarity
RVS167	KRE1	YNL322C	3		SS	Cell wall organization and biogenesis
RVS167	SIN3	YOL004W	3		SS	Pol II transcription
RVS167	VPS21	YOR089C	3		SS	Vesicular transport
RVS167	RUD3	YOR216C	3		SS	Vesicular transport
RVS167	MNN9	YPL050C	1		SL	Protein modification
ARL1	PER1	YCR044C	0		SS	Other metabolism
ARL1	VAM6	YDL077C	0		SS	Vesicular transport
ARL1	ARR4	YDL100C	0		SS	Small molecule transport
ARL1	ARF1	YDL192W	0	SL		Transport
ARL1	GSS1	YDR108W	3	SL		Vesicular transport
ARL1	VPS61	YDR136C	3	SL		Vesicular transport
ARL1	RGP1	YDR137W	3	SL		Vesicular transport
ARL1	NBP2	YDR162C	3	SL	SL	Cell polarity
ARL1	RAV2	YDR202C	0		SS	Small molecule transport
ARL1	YDR203W	YDR203W	0		SS	Unknown
ARL1	RMD7	YER083C	0	SL		Cell wall organization and biogenesis
ARL1	GLO3	YER122C	0	SL		Vesicular transport
ARL1	COG7	YGL005C	1	SL		Vesicular transport
ARL1	VMA21	YGR105W	0	SS		Vacuolar organization and biogenesis
ARL1	GOS1	YHL031C	3	SS		Vesicular transport
ARL1	VPS29	YHR012W	0		SS	Vesicular transport
ARL1	VPS35	YJL154C	0		SS	Vesicular transport
ARL1	CPR7	YJR032W	3	SL		Protein folding
ARL1	RAV1	YJR033C	1		SS	Vacuolar organization and biogenesis
ARL1	YKL118W	YKL118W	0		SS	Unknown
ARL1	VPH2	YKL119C	0		SL	Vacuolar organization and biogenesis
ARL1	VPS1	YKR001C	2	SL		Vesicular transport
ARL1	VPS67	YKR020W	3	SL		Vacuolar organization and biogenesis
ARL1	RIC1	YLR039C	3	SL		Vesicular transport
ARL1	ARV1	YLR242C	0	SS		Lipid metabolism
ARL1	VPS63	YLR261C	3	SL		Vacuolar organization and biogenesis
ARL1	YPT6	YLR262C	3	SL		Vesicular transport
ARL1	VMA6	YLR447C	0		SS	Vacuolar organization and biogenesis
ARL1	COG8	YML071C	3	SL		Vesicular transport
ARL1	MVP1	YMR004W	0		SS	Vesicular transport
ARL1	STV1	YMR054W	0		SS	Vacuolar organization and biogenesis
ARL1	PKR1	YMR123W	1		SS	Unknown
ARL1	COG6	YNL041C	3	SL		Vesicular transport
ARL1	YNL043C	YNL043C	0		SS	Unknown
ARL1	YIP3	YNL044W	0		SS	Vesicular transport
ARL1	COG5	YNL051W	3	SL		Vesicular transport
ARL1	KEX2	YNL238W	0		SS	Protein modification
ARL1	KRE25	YNL296W	2		SS	Unknown
ARL1	MON2	YNL297C	2		SL	Vacuolar organization and biogenesis
ARL1	TLG2	YOL018C	1	SS		Vesicular transport
ARL1	VAM10	YOR068C	0	SS		Vacuolar organization and biogenesis
ARL1	VPS5	YOR069W	1		SS	Vesicular transport
ARL1	GYP1	YOR070C	2	SL		Vesicular transport
ARL1	VPS17	YOR132W	0	SS		Vesicular transport

HPR5	MMS4	YBR098W	2		SS	DNA repair
HPR5	YBR099C	YBR099C	0		SS	Unknown
HPR5	DCC1	YCL016C	0	SS		Chromatin/chromosome structure
HPR5	MRC1	YCL060C	3	SL		DNA repair
HPR5	ESC2	YDR363W	3	SS		Chromatin/chromosome structure
HPR5	XRS2	YDR369C	1	SS		DNA repair
HPR5	MUS81	YDR386W	0	SS		DNA repair
HPR5	RAD54	YGL163C	1	SL		DNA repair
HPR5	RRM3	YHR031C	3	SS		DNA replication
HPR5	RTT107	YHR154W	3		SS	Chromatin/chromosome structure
HPR5	CTF8	YHR191C	0	SS		Chromatin/chromosome structure
HPR5	MPH1	YIR002C	3	SS		DNA repair
HPR5	POL32	YJR043C	3	SS		DNA replication
HPR5	RAD27	YKL113C	3	SS		DNA repair
HPR5	TOP3	YLR234W	1	SS		Chromatin/chromosome structure
HPR5	YLR235C	YLR235C	1	SS		Unknown
HPR5	MMS22	YLR320W	1	SS		Unknown
HPR5	CSM3	YMR048W	3	SS		Meiosis
HPR5	CTF18	YMR078C	0	SL	SL	Chromatin/chromosome structure
HPR5	SGS1	YMR190C	2	SS		DNA repair
HPR5	RAD50	YNL250W	1	SS		DNA repair
HPR5	TOF1	YNL273W	0	SS		DNA repair
HPR5	ELG1	YOR144C	0		SS	DNA repair
HPR5	CHL1	YPL008W	2	SS		Chromatin/chromosome structure
HPR5	NCE4	YPL024W	0		SL	Cell wall organization and biogenesis
HPR5	CTF4	YPR135W	2	SS		Chromatin/chromosome structure
HPR5	MMS1	YPR164W	2		SS	DNA repair
RRM3	DCC1	YCL016C	1	SS		Chromatin/chromosome structure
RRM3	MRC1	YCL061C	3	SL		DNA repair
RRM3	PPH3	YDR075W	3	SL		Cell structure
RRM3	ESC2	YDR363W	2	SL		Chromatin/chromosome structure
RRM3	PMR1	YGL167C	3		SL	Small molecule transport
RRM3	HUR1	YGL168W	2	SL		Unknown
RRM3	SAE2	YGL175C	2	SS		DNA repair
RRM3	SOD2	YHR008C	0		SL	Cell stress
RRM3	RTT107	YHR154W	0	SL		Chromatin/chromosome structure
RRM3	CTF8	YHR191C	0	SS		Chromatin/chromosome structure
RRM3	RTT101	YJL047C	3	SL		Protein modification
RRM3	HPR5	YJL092W	2	SL		DNA repair
RRM3	TOP3	YLR234W	1	SL		Chromatin/chromosome structure
RRM3	RAD52	YML032C	0	SS		DNA repair
RRM3	SGS1	YMR190C	0	SL		DNA repair
RRM3	MRE11	YMR224C	1	SL		DNA repair
RRM3	RAD50	YNL250W	1		SL	DNA repair
RRM3	NCE4	YPL024W	0	SL		Cell wall organization and biogenesis
RRM3	CTF4	YPR135W	1	SL		Chromatin/chromosome structure
RRM3	MMS1	YPR164W	2	SL		DNA repair
KRE1	DRS2	YAL026C	3	SS		Vesicular transport
KRE1	YAL053W	YAL053W	3	SL		Unknown
KRE1	KRE20	YAL056C-A	2		SL	Unknown
KRE1	CNE1	YAL058W	2		SS	Cell wall organization and biogenesis
KRE1	BUD14	YAR014C	1		SS	Cell polarity
KRE1	SKT5	YBL061C	1		SS	Cell wall organization and biogenesis
KRE1	RHK1	YBL082C	3	SS		Cell wall organization and biogenesis
KRE1	YBL083C	YBL083C	3	SS		Unknown
KRE1	CHS3	YBR023C	1		SS	Cell wall organization and biogenesis
KRE1	ROT2	YBR229C	3	SL		Cell wall organization and biogenesis
KRE1	PER1	YCR044C	3	SS	SS	Other metabolism
KRE1	PTC1	YDL006W	3	SS	SS	Signal transduction
KRE1	SAC6	YDR129C	3	SS		Cell structure
KRE1	NBP2	YDR162C	2	SS		Cell polarity

KRE1	SAC7	YDR389W	3		SL	Cell structure
KRE1	ERD1	YDR414C	3		SS	Protein modification
KRE1	ERG28	YER044C	1	SL		Lipid metabolism
KRE1	BEM2	YER155C	1	SS		Cell polarity
KRE1	FAB1	YFR019W	2	SS	SS	Lipid metabolism
KRE1	CWH41	YGL027C	3	SL	SL	Cell wall organization and biogenesis
KRE1	GUP1	YGL084C	3	SL		Lipid metabolism
KRE1	HUR1	YGL168W	3	SS	SS	Unknown
KRE1	KEX1	YGL203C	3	SS		Protein modification
KRE1	KRE11	YGR166W	3	SS		Cell wall organization and biogenesis
KRE1	SMI1	YGR229C	3	SS	SS	Cell wall organization and biogenesis
KRE1	SLT2	YHR030C	3	SS		Cell wall organization and biogenesis
KRE1	YUR1	YJL139C	1		SS	Cell wall organization and biogenesis
KRE1	KRE9	YJL174W	1		SL	Protein modification
KRE1	MNN11	YJL183W	3	SL		Protein modification
KRE1	OPI3	YJR073C	3	SS		Lipid metabolism
KRE1	HOC1	YJR075W	3	SS		Cell wall organization and biogenesis
KRE1	STE24	YJR117W	0		SS	Protein modification
KRE1	ILM1	YJR118C	3	SS		Energy generation
KRE1	CNB1	YKL190W	3		SS	Cell wall organization and biogenesis
KRE1	VPS67	YKR020W	3		SS	Vacuolar organization and biogenesis
KRE1	CHS5	YLR330W	2		SS	Cell wall organization and biogenesis
KRE1	TOM37	YMR060C	3	SS		Mitochondrion organization and biogenesis
KRE1	DFG5	YMR238W	3	SS	SS	Differentiation
KRE1	GAS1	YMR307W	3	SS	SL	Cell wall organization and biogenesis
KRE1	KEX2	YNL238W	3	SL		Protein modification
KRE1	SHE4	YOR035C	3	SS	SS	Differentiation
KRE1	VPS28	YPL065W	3		SS	Vesicular transport
CIN1	DCC1	YCL016C	0	SL		Chromatin/chromosome structure
CIN1	BIK1	YCL029C	1	SL		Mitosis
CIN1	NUM1	YDR150W	0	SL		Mitosis
CIN1	CHL4	YDR254W	0		SS	Chromatin/chromosome structure
CIN1	MCM21	YDR318W	0		SS	Chromatin/chromosome structure
CIN1	DYN2	YDR424C	0		SS	Mitosis
CIN1	PAC11	YDR488C	0		SL	Mitosis
CIN1	GIM4	YEL003W	1	SL		Cell structure
CIN1	CIN8	YEL061C	0		SL	Mitosis
CIN1	BIM1	YER016W	0	SL	SL	Mitosis
CIN1	MAD1	YGL086W	3	SL	SL	Mitosis
CIN1	PAC10	YGR078C	0	SL		Cell structure
CIN1	BUB1	YGR188C	0	SL		Mitosis
CIN1	ARP1	YHR129C	0	SS	SS	Mitosis
CIN1	CTF8	YHR191C	0	SL		Chromatin/chromosome structure
CIN1	MAD3	YJL013C	0	SS		Mitosis
CIN1	MAD2	YJL030W	1	SL		Mitosis
CIN1	DYN1	YKR054C	0	SS	SS	Mitosis
CIN1	ARP6	YLR085C	1	SL		Cell structure
CIN1	GIM5	YML094W	0		SL	Cell structure
CIN1	TUB3	YML124C	2	SL		Cell structure
CIN1	CTF18	YMR078C	0	SL		Chromatin/chromosome structure
CIN1	JNM1	YMR294W	0		SL	Mitosis
CIN1	GIM3	YNL153C	2	SL		Cell structure
CIN1	HTZ1	YOL012C	0	SS		Chromatin/chromosome structure
CIN1	RBL2	YOR265W	1	SL	SL	Cell structure
CIN1	CTF19	YPL018W	0	SS		Chromatin/chromosome structure
CIN1	KIP2	YPL155C	0	SS		Mitosis
CIN1	NIP100	YPL174C	0		SL	Mitosis
CIN1	KAR9	YPL269W	0		SL	Mitosis
CIN1	CTF4	YPR135W	0	SS		Chromatin/chromosome structure
ROT2	PDB1	YBR221C	3	SS		Carbohydrate metabolism
ROT2	RPO41	YFL036W	3	SS		Mitochondrion organization and biogenesis

ROT2	GUP1	YGL084C	3	SS		Lipid metabolism
ROT2	CHO2	YGR157W	2	SS		Lipid metabolism
ROT2	SLT2	YHR030C	3	SS		Cell wall organization and biogenesis
ROT2	GGA2	YHR108W	2	SS		Vesicular transport
ROT2	BCK1	YJL095W	3	SS		Cell wall organization and biogenesis
ROT2	CSF1	YLR087C	3	SS		Cell stress
ROT2	GAS1	YMR307W	3	SS		Cell wall organization and biogenesis
ROT2	KRE1	YNL322C	3	SS		Cell wall organization and biogenesis
ROT2	VAM10	YOR068C	2	SS		Vacuolar organization and biogenesis
ROT2	VPS5	YOR069W	2	SS		Vesicular transport
ROT2	GYP1	YOR070C	2	SS		Vesicular transport
CWH41	YBR235W	YBR235W	0	SS		Small molecule transport
CWH41	PER1	YCR044C	2	SS		Other metabolism
CWH41	PTC1	YDL006W	2	SS		Signal transduction
CWH41	SWF3	YGL020C	3	SS		Unknown
CWH41	GUP1	YGL084C	3	SS		Lipid metabolism
CWH41	SNF4	YGL115W	3	SS		Protein modification
CWH41	EMP24	YGL200C	3	SS		Vesicular transport
CWH41	SLT2	YHR030C	3	SL		Cell wall organization and biogenesis
CWH41	BCK1	YJL095W	3	SL		Cell wall organization and biogenesis
CWH41	CSF1	YLR087C	3	SS		Cell stress
CWH41	SCJ1	YMR214W	0	SS		Protein folding
CWH41	GAS1	YMR307W	3	SL		Cell wall organization and biogenesis
CWH41	KRE1	YNL322C	0	SL	SL	Cell wall organization and biogenesis
CWH41	LEA1	YPL213W	3	SS		RNA splicing
ALG8	PER1	YCR044C	3	SS		Other metabolism
ALG8	TPS2	YDR074W	3	SS		Carbohydrate metabolism
ALG8	RPO41	YFL036W	3	SL		Mitochondrion organization and biogenesis
ALG8	OST5	YGL226C-A	3	SL		Protein modification
ALG8	SLT2	YHR030C	3	SS		Cell wall organization and biogenesis
ALG8	BCK1	YJL095W	3	SS		Cell wall organization and biogenesis
ALG8	CSF1	YLR087C	0	SS		Cell stress
ALG8	YLR358C	YLR358C	3	SS		Unknown
ALG8	SHE4	YOR035C	3	SS		Differentiation
ALG8	DIA2	YOR080W	3	SS		Differentiation
ALG8	OST3	YOR085W	2	SL		Protein modification
DEP1	HIR1	YBL008W	0		SS	Chromatin/chromosome structure
DEP1	RPL19B	YBL027W	0	SS		Protein synthesis
DEP1	SIF2	YBR103W	2	SL		Chromatin/chromosome structure
DEP1	SEC66	YBR171W	2	SS		Vesicular transport
DEP1	SNT1	YCR033W	2		SL	Chromatin/chromosome structure
DEP1	NHP10	YDL002C	1	SS	SS	Unknown
DEP1	BRE1	YDL074C	1	SS	SS	Chromatin/chromosome stucture
DEP1	THI3	YDL080C	0	SL		Amino-acid metabolism
DEP1	SWI5	YDR146C	1	SS	SS	Pol II transcription
DEP1	SAS4	YDR181C	1	SS	SS	Chromatin/chromosome structure
DEP1	SWR1	YDR334W	2	SL		Unknown
DEP1	SEM1	YDR363W-A	0	SS		Vesicular transport
DEP1	SPT3	YDR392W	1	SL		Chromatin/chromosome stucture
DEP1	VPS72	YDR485C	3		SL	Vesicular transport
DEP1	BIM1	YER016W	1	SL		Mitosis
DEP1	SWI4	YER111C	3	SS		Cell cycle control
DEP1	YER139C	YER139C	0	SL		Unknown
DEP1	UBP6	YFR010W	0	SS		Protein modification
DEP1	SOH1	YGL127C	0	SL	SL	DNA repair
DEP1	ITC1	YGL133W	0	SS		Chromatin/chromosome structure
DEP1	YGL149W	YGL149W	1	SS	SL	Unknown
DEP1	YIP5	YGL161C	1	SS	SS	Vesicular transport
DEP1	PMR1	YGL167C	0	SS		Small molecule transport
DEP1	HOS2	YGL194C	3		SL	Chromatin/chromosome structure
DEP1	RTF1	YGL244W	1		SS	Pol II transcription

DEP1	VMA21	YGR105W	1	SL		Vacuolar organization and biogenesis
DEP1	TIM13	YGR181W	3	SL		Protein translocation
DEP1	YGR182C	YGR182C	3	SL		Unknown
DEP1	ELP2	YGR200C	0	SL		Pol II transcription
DEP1	YTA7	YGR270W	0	SS		Vacuolar organization and biogenesis
DEP1	SRB2	YHR041C	0	SL		Pol II Transcription
DEP1	VMA22	YHR060W	1	SL		Vacuolar organization and biogenesis
DEP1	STB5	YHR178W	0	SL		Pol II transcription
DEP1	RPN10	YHR200W	0	SL		Pol II transcription
DEP1	ASF1	YJL115W	1	SS		Chromatin/chromosome structure
DEP1	OPI3	YJR073C	0	SS		Lipid metabolism
DEP1	HIR3	YJR140C	1		SS	Pol II transcription
DEP1	YKL118W	YKL118W	1	SL		Unknown
DEP1	SET3	YKR029C	0	SS		Chromatin/chromosome structure
DEP1	SPT8	YLR055C	1	SS		Chromatin/chromosome structure
DEP1	ARP6	YLR085C	2	SL		Cell structure
DEP1	CSF1	YLR087C	0	SL		Cell stress
DEP1	YLR111W	YLR111W	0	SS		Unknown
DEP1	SEC22	YLR268W	0	SS		Vesicular transport
DEP1	IKI3	YLR384C	0	SL		Pol II transcription
DEP1	CDC73	YLR418C	0	SL		Pol II transcription
DEP1	VPS71	YML041C	3	SL		Vesicular transport
DEP1	PRM6	YML047C	3	SL		Unknown
DEP1	TOM37	YMR060C	1	SL		Mitochondrion organization and biogenesis
DEP1	ELP6	YMR312W	1	SL		Pol II transcription
DEP1	YNL140C	YNL140C	1	SS	SS	Unknown
DEP1	IES2	YNL215W	2	SL		Unknown
DEP1	CLA4	YNL298W	3	SL		Cell polarity
DEP1	HTZ1	YOL012C	1	SL		Chromatin/chromosome structure
DEP1	VPS21	YOR089C	0	SS		Vesicular transport
DEP1	LEO1	YOR123C	1	SS		Chromatin/chromosome structure
DEP1	SAS5	YOR213C	0	SS	SS	Chromatin/chromosome structure
DEP1	ISW2	YOR304W	0	SS		Chromatin/chromosome strucutre
DEP1	LGE1	YPL055C	0	SS		Cell cycle control
DEP1	ELP3	YPL086C	0	SL		Pol II transcription
DEP1	ELP4	YPL101W	1	SL		Pol II transcription
DEP1	KRE24	YPL102C	1	SL		Unknown
DEP1	YPL144W	YPL144W	0	SS		Meiosis
DEP1	NIP100	YPL174C	1	SL		Mitosis
DEP1	EAF3	YPR023C	1	SS		Pol II Transcription
CTI6	SWC1	YAL011W	1	SL		Unknown
CTI6	SIF2	YBR103W	1	SS		Chromatin/chromosome structure
CTI6	AOR1	YBR231C	1	SL	SL	Unknown
CTI6	THI3	YDL080C	1	SS	SS	Amino-acid metabolism
CTI6	SWR1	YDR334W	1	SL		Unknown
CTI6	VPS72	YDR485C	1	SL		Vesicular transport
CTI6	HOS2	YGL194C	1	SS		Chromatin/chromosome structure
CTI6	PAC10	YGR078C	1	SS		Cell structure
CTI6	TIM13	YGR181W	1	SS	SS	Protein translocation
CTI6	YGR182C	YGR182C	1	SL	SS	Unknown
CTI6	ARP6	YLR085C	1	SS		Cell structure
CTI6	CDC73	YLR418C	1	SL		Pol II transcription
CTI6	VPS71	YML041C	1	SS		Vesicular transport
CTI6	PRM6	YML047C	1	SL		Unknown
CTI6	HTZ1	YOL012C	1	SL		Chromatin/chromosome structure
CTI6	LEO1	YOR123C	1	SS	SS	Chromatin/chromosome structure
SAP30	VPS8	YAL002W	1	SS		Vesicular transport
SAP30	SWC1	YAL011W	1	SL		Unknown
SAP30	LTE1	YAL024C	1	SS		Cell cycle control
SAP30	SIF2	YBR103W	1	SS		Chromatin/chromosome structure
SAP30	AOR1	YBR231C	1	SL		Unknown

SAP30	NHP10	YDL002C	1	SS	SS	Unknown	
SAP30	YDL033C	YDL033C	1	SL	SS	Unknown	
SAP30	BRE1	YDL074C	1	SS		Chromatin/chromosome stucture	
SAP30	THI3	YDL080C	1	SL		Amino-acid metabolism	
SAP30	SWR1	YDR334W	1	SL		Unknown	
SAP30	SPT3	YDR392W	1	SS		Chromatin/chromosome stucture	
SAP30	VPS72	YDR485C	1	SL		Vesicular transport	
SAP30	BIM1	YER016W	1	SS		Mitosis	
SAP30	RMD7	YER083C	1	SS	SL	Cell wall organization and biogenesis	
SAP30	IES5	YER092W	1	SS	SS	Unknown	
SAP30	SWI4	YER111C	1	SS		Cell cycle control	
SAP30	YER139C	YER139C	1	SS	SS	Unknown	
SAP30	SOH1	YGL127C	1	SS		DNA repair	
SAP30	YIP5	YGL161C	1	SS	SS	Vesicular transport	
SAP30	HOS2	YGL194C	1	SS		Chromatin/chromosome structure	
SAP30	RTF1	YGL244W	1	SS		Pol II transcription	
SAP30	TIM13	YGR181W	1	SL		Protein translocation	
SAP30	YGR182C	YGR182C	1	SL	SL	Unknown	
SAP30	STB5	YHR178W	1	SL		Pol II transcription	
SAP30	RPN10	YHR200W	1	SL		Pol II transcription	
SAP30	ASF1	YJL115W	1	SS		Chromatin/chromosome structure	
SAP30	SET2	YJL168C	1	SS		Chromatin/chromosome structure	
SAP30	SET3	YKR029C	1	SS		Chromatin/chromosome structure	
SAP30	SPT8	YLR055C	1	SS		Chromatin/chromosome structure	
SAP30	ARP6	YLR085C	1	SL		Cell structure	
SAP30	SEC22	YLR268W	1	SS		Vesicular transport	
SAP30	VRP1	YLR337C	1	SS	SL	Cell polarity	
SAP30	CDC73	YLR418C	1	SL		Pol II transcription	
SAP30	VPS71	YML041C	1	SL		Vesicular transport	
SAP30	PRM6	YML047C	1	SL		Unknown	
SAP30	VPS9	YML097C	1	SS		Vesicular transport	
SAP30	MRE11	YMR224C	1	SS		DNA repair	
SAP30	TOM70	YNL121C	1	SS	SS	Small molecule transport	
SAP30	YNL140C	YNL140C	1	SS		Unknown	
SAP30	YNL171C	YNL171C	1	SL		Unknown	
SAP30	IES2	YNL215W	1	SL	SS	Unknown	
SAP30	CLA4	YNL298W	1	SL		Cell polarity	
SAP30	HTZ1	YOL012C	1	SL		Chromatin/chromosome structure	
SAP30	LEO1	YOR123C	1	SS		Chromatin/chromosome structure	
SAP30	SAS5	YOR213C	1	SS	SS	Chromatin/chromosome structure	
SAP30	SNU66	YOR308C	1	SS	SS	RNA splicing	
SAP30	LGE1	YPL055C	1	SL		Cell cycle control	
SAP30	ELP3	YPL086C	1	SS		Pol II transcription	
SAP30	NIP100	YPL174C	1	SS		Mitosis	
CDC42-118	LTE1	YAL024C	2	SL		Cell cycle control	Kozminski, 2003
CDC42-118	YBR077C	YBR077C	2		SL	Unknown	Kozminski, 2003
CDC42-118	SEC66	YBR171W	3		SL	Vesicular transport	Kozminski, 2003
CDC42-118	BEM1	YBR200W	0		SL	Cell polarity	Kozminski, 2003
CDC42-118	PAT1	YCR077C	0	SS		Chromatin/chromosome structure	Kozminski, 2003
CDC42-118	SWF1	YDR126W	2		SS	Unknown	Kozminski, 2003
CDC42-118	SSD1	YDR293C	3	SS	SS	Cell cycle control	Kozminski, 2003
CDC42-118	GIC2	YDR309C	3	SS		Cell polarity	Kozminski, 2003
CDC42-118	SUM1	YDR310C	3		SS	Chromatin/chromosome structure	Kozminski, 2003
CDC42-118	SWI4	YER111C	3	SS	SL	Cell cycle control	Kozminski, 2003
CDC42-118	PEA2	YER149C	3		SL	Cell polarity	Kozminski, 2003
CDC42-118	PMR1	YGL167C	2	SS	SL	Small molecule transport	Kozminski, 2003
CDC42-118	HUR1	YGL168W	2	SS		Unknown	Kozminski, 2003
CDC42-118	YGL211W	YGL211W	2	SS		Unknown	Kozminski, 2003
CDC42-118	YGR151C	YGR151C	3		SL	Cell polarity	Kozminski, 2003
CDC42-118	RSR1	YGR152C	3	SS		Cell polarity	Kozminski, 2003
CDC42-118	ELP2	YGR200C	2		SS	Pol II transcription	Kozminski, 2003

CDC42-118	UBA4	YHR111W	2		SS	Protein modification	Kozminski, 2003
CDC42-118	CAP2	YIL034C	2	SS		Cell structure	Kozminski, 2003
CDC42-118	CAP1	YKL007W	0	SS		Cell structure	Kozminski, 2003
CDC42-118	SPA2	YLL021W	2	SS		Cell polarity	Kozminski, 2003
CDC42-118	BUD6	YLR319C	3	SS		Cell polarity	Kozminski, 2003
CDC42-118	ELP6	YMR312W	2		SS	Pol II transcription	Kozminski, 2003
CDC42-118	BNI1	YNL271C	0		SL	Cell polarity	Kozminski, 2003
CDC42-118	MSB3	YNL293W	2		SS	Cell polarity	Kozminski, 2003
CDC42-118	CLA4	YNL298W	2		SL	Cell polarity	Kozminski, 2003
CDC42-118	MSB1	YOR188W	0		SS	Cell polarity	Kozminski, 2003
CDC42-118	ELP3	YPL086C	0		SS	Pol II transcription	Kozminski, 2003
CDC42-118	ELP4	YPL101W	2		SS	Pol II transcription	Kozminski, 2003
CDC42-118	BEM4	YPL161C	3		SL	Cell polarity	Kozminski, 2003
SWF1	ARL1	YBR164C	0	SS		Vesicular transport	
SWF1	PER1	YCR044C	0		SS	Other metabolism	
SWF1	YDL133W	YDL133W	0	SL	SL	Unknown	
SWF1	CUP5	YEL027W	0	SS	SS	Vacuole organization and biogenesis	
SWF1	SPF1	YEL031W	0	SS		Small molecule transport	
SWF1	RMD7	YER083C	0	SS		Cell wall organization and biogenesis	
SWF1	COG7	YGL005C	0	SS		Vesicular transport	
SWF1	YGL007W	YGL007W	0	SS	SS	Unknown	
SWF1	VMA21	YGR105W	0	SS		Vacuolar organization and biogenesis	
SWF1	YGR228W	YGR228W	0	SS		Unknown	
SWF1	SMI1	YGR229C	0	SS		Cell wall organization and biogenesis	
SWF1	GOS1	YHL031C	0	SS		Vesicular transport	
SWF1	YHR151C	YHR151C	0	SS	SS	Unknown	
SWF1	SYS1	YJL004C	0	SS		Protein translocation	
SWF1	SNX4	YJL036W	0	SL		Protein degradation	
SWF1	BCK1	YJL095W	0	SL		Cell wall organization and biogenesis	
SWF1	KTI12	YKL110C	0	SS		Unknown	
SWF1	YKL118W	YKL118W	0	SS	SL	Unknown	
SWF1	VPS1	YKR001C	0	SS		Vesicular transport	
SWF1	SPO14	YKR031C	0	SL		Meiosis	
SWF1	YKR033C	YKR033C	0	SS	SS	Unknown	
SWF1	RIC1	YLR039C	0	SL		Vesicular transport	
SWF1	YPT6	YLR262C	0	SL		Vesicular transport	
SWF1	VID22	YLR373C	0	SL		Vacuolar organization and biogenesis	
SWF1	YLR374C	YLR374C	0	SL	SS	Unknown	
SWF1	IKI3	YLR384C	0	SS	SS	Pol II transcription	
SWF1	COG8	YML071C	0	SL		Vesicular transport	
SWF1	HSC82	YMR186W	0	SL		Protein folding	
SWF1	ELP6	YMR312W	0	SL	SS	Pol II transcription	
SWF1	COG6	YNL041C	0	SS		Vesicular transport	
SWF1	COG5	YNL051W	0	SS		Vesicular transport	
SWF1	PDR17	YNL264C	0	SL		Vesicular transport	
SWF1	MSO1	YNR049C	0	SL		Secretion	
SWF1	TLG2	YOL018C	0	SS		Vesicular transport	
SWF1	MSB4	YOL112W	0	SL		Cell polarity	
SWF1	OST3	YOR085W	0	SS		Protein modification	
SWF1	SNC2	YOR327C	0	SL		Vesicular transport	
SWF1	ARL3	YPL051W	0	SS		Vesicular transport	
SWF1	BTS1	YPL069C	0	SL	SL	Protein modification	
SWF1	ELP4	YPL101W	0	SS	SS	Pol II transcription	
SWF1	KRE24	YPL102C	0	SS		Unknown	
SWF1	BEM4	YPL161C	0	SS		Cell polarity	
SWF1	SSO1	YPL232W	0	SL		Vesicular transport	

The "Query Gene" column indicates the gene used as query in a SGA screen.
The "Genetic Interaction - Gene Name" column indicates the gene being tested for genetic interaction with a particular query.
The "Genetic Interaction - Systematic Name" column indicates the systematic (ORF) name that corresponds to the gene being tested for genetic interaction.
The "Result" column contains the result as confirmed by the spot assay version of random spore analysis.
"Y" refers to synthetic genetic interaction.
"N" refers to no synthetic genetic interaction.
"N/D" refers to test not done.

Query Gene	Genetic Interaction - Gene Name	Genetic Interaction - Systematic Name	Result
AOR1	ARP1	YHR129C	N
AOR1	ARP6	YLR085C	N
AOR1	ASE1	YOR058C	N
AOR1	BEM1	YBR200W	N
AOR1	BFA1	YJR053W	N
AOR1	BIK1	YCL029C	N
AOR1	BIM1	YER016W	Y
AOR1	BUB1	YGR188C	Y
AOR1	BUB2	YMR055C	N
AOR1	BUB3	YOR026W	Y
AOR1	CHL4	YDR254W	N
AOR1	CSM3	YMR048W	N
AOR1	CTF19	YPL018W	N
AOR1	CTF3	YLR381W	N
AOR1	CTF8	YHR191C	N
AOR1	DCC1	YCL016C	N
AOR1	DYN1	YKR054C	N
AOR1	ELP2	YGR200C	N
AOR1	FAB1	YFR019W	N
AOR1	GIM3	YNL153C	Y
AOR1	GIM4	YEL003W	Y
AOR1	GIM5	YML094W	Y
AOR1	IES2	YNL215W	N
AOR1	IML3	YBR107C	N
AOR1	INP52	YNL106C	N
AOR1	JNM1	YMR294W	N
AOR1	KEM1	YGL173C	Y
AOR1	KIP3	YGL216W	N
AOR1	MAD1	YGL086W	N
AOR1	MAD2	YJL030W	N
AOR1	MAD3	YJL013C	N
AOR1	MCK1	YNL307C	N
AOR1	MCM21	YDR318W	N
AOR1	MCM22	YJR135C	N
AOR1	MRC1	YCL060C	N
AOR1	NBP2	YDR162C	N
AOR1	NUM1	YDR150W	N
AOR1	PAC1	YOR269W	N
AOR1	PAC11	YDR488C	N
AOR1	PHO23	YNL097C	Y
AOR1	PPZ1	YML016C	N
AOR1	RAD54	YGL163C	N
AOR1	RTT103	YDR289C	N
AOR1	SAP30	YMR263W	Y
AOR1	SLK19	YOR195W	N
AOR1	SMI1	YGR229C	N
AOR1	VAC14	YLR386W	N
AOR1	VID22	YLR373C	N
AOR1	RXT2	RXT2	Y
AOR1	YDR149C	YDR149C	N
AOR1	YGL211W	YGL211W	N
AOR1	YGL217C	YGL217C	N
AOR1	YML095C-A	YML095C-A	N

AOR1	YNL170W	YNL170W	N
AOR1	YPL017C	YPL017C	N
AOR1	YTA7	YGR270W	Y
ARP1	AOR1	YBR231C	N
ARP1	ARP6	YLR085C	N
ARP1	ASE1	YOR058C	N
ARP1	BEM1	YBR200W	N
ARP1	BFA1	YJR053W	N
ARP1	BIK1	YCL029C	N
ARP1	BIM1	YER016W	Y
ARP1	BUB1	YGR188C	N
ARP1	BUB2	YMR055C	N
ARP1	BUB3	YOR026W	N
ARP1	CHL4	YDR254W	N
ARP1	CSM3	YMR048W	N
ARP1	CTF19	YPL018W	N
ARP1	CTF3	YLR381W	N
ARP1	CTF8	YHR191C	N
ARP1	DCC1	YCL016C	N
ARP1	DYN1	YKR054C	N
ARP1	ELP2	YGR200C	N
ARP1	FAB1	YFR019W	Y
ARP1	GIM3	YNL153C	Y
ARP1	GIM4	YEL003W	N
ARP1	GIM5	YML094W	Y
ARP1	IES2	YNL215W	N
ARP1	IML3	YBR107C	N
ARP1	INP52	YNL106C	N
ARP1	JNM1	YMR294W	N
ARP1	KEM1	YGL173C	N
ARP1	KIP3	YGL216W	Y
ARP1	MAD1	YGL086W	N
ARP1	MAD2	YJL030W	N
ARP1	MAD3	YJL013C	N
ARP1	MCK1	YNL307C	N
ARP1	MCM21	YDR318W	N
ARP1	MCM22	YJR135C	N
ARP1	MRC1	YCL060C	N
ARP1	NBP2	YDR162C	N
ARP1	NUM1	YDR150W	N
ARP1	PAC1	YOR269W	N
ARP1	PAC11	YDR488C	N
ARP1	PHO23	YNL097C	N
ARP1	PPZ1	YML016C	N
ARP1	RAD54	YGL163C	N
ARP1	RTT103	YDR289C	N
ARP1	SAP30	YMR263W	N
ARP1	SLK19	YOR195W	N
ARP1	SMI1	YGR229C	N
ARP1	VAC14	YLR386W	N
ARP1	VID22	YLR373C	N
ARP1	RXT2	RXT2	N
ARP1	YDR149C	YDR149C	N
ARP1	YGL211W	YGL211W	N
ARP1	YGL217C	YGL217C	Y
ARP1	YML095C-A	YML095C-A	N
ARP1	YNL170W	YNL170W	N
ARP1	YPL017C	YPL017C	N
ARP1	YTA7	YGR270W	N
ARP6	AOR1	YBR231C	N
ARP6	ARP1	YHR129C	N
ARP6	ASE1	YOR058C	N
ARP6	BEM1	YBR200W	N
ARP6	BFA1	YJR053W	N
ARP6	BIK1	YCL029C	N
ARP6	BIM1	YER016W	Y

ARP6	BUB1	YGR188C	Y
ARP6	BUB2	YMR055C	N
ARP6	BUB3	YOR026W	Y
ARP6	CHL4	YDR254W	N
ARP6	CSM3	YMR048W	N
ARP6	CTF19	YPL018W	N
ARP6	CTF3	YLR381W	N
ARP6	CTF8	YHR191C	N
ARP6	DCC1	YCL016C	N
ARP6	DYN1	YKR054C	N
ARP6	ELP2	YGR200C	N
ARP6	FAB1	YFR019W	N
ARP6	GIM3	YNL153C	Y
ARP6	GIM4	YEL003W	Y
ARP6	GIM5	YML094W	Y
ARP6	IES2	YNL215W	N
ARP6	IML3	YBR107C	N
ARP6	INP52	YNL106C	N
ARP6	JNM1	YMR294W	N
ARP6	KEM1	YGL173C	N
ARP6	KIP3	YGL216W	N
ARP6	MAD1	YGL086W	N
ARP6	MAD2	YJL030W	N
ARP6	MAD3	YJL013C	N
ARP6	MCK1	YNL307C	N
ARP6	MCM21	YDR318W	N
ARP6	MCM22	YJR135C	N
ARP6	MRC1	YCL060C	N
ARP6	NBP2	YDR162C	N
ARP6	NUM1	YDR150W	N
ARP6	PAC1	YOR269W	N
ARP6	PAC11	YDR488C	N
ARP6	PHO23	YNL097C	Y
ARP6	PPZ1	YML016C	N
ARP6	RAD54	YGL163C	N
ARP6	RTT103	YDR289C	N
ARP6	SAP30	YMR263W	Y
ARP6	SLK19	YOR195W	N
ARP6	SMI1	YGR229C	N
ARP6	VAC14	YLR386W	N
ARP6	VID22	YLR373C	N
ARP6	RXT2	RXT2	Y
ARP6	YDR149C	YDR149C	N
ARP6	YGL211W	YGL211W	N
ARP6	YGL217C	YGL217C	N
ARP6	YML095C-A	YML095C-A	N
ARP6	YNL170W	YNL170W	N
ARP6	YPL017C	YPL017C	N
ARP6	YTA7	YGR270W	Y
ASE1	AOR1	YBR231C	N
ASE1	ARP1	YHR129C	Y
ASE1	ARP6	YLR085C	N
ASE1	BEM1	YBR200W	N
ASE1	BFA1	YJR053W	N
ASE1	BIK1	YCL029C	Y
ASE1	BIM1	YER016W	Y
ASE1	BUB1	YGR188C	N
ASE1	BUB2	YMR055C	N
ASE1	BUB3	YOR026W	N
ASE1	CHL4	YDR254W	N
ASE1	CSM3	YMR048W	N
ASE1	CTF19	YPL018W	N
ASE1	CTF3	YLR381W	N
ASE1	CTF8	YHR191C	N
ASE1	DCC1	YCL016C	N
ASE1	DYN1	YKR054C	Y

ASE1	ELP2	YGR200C	N
ASE1	FAB1	YFR019W	Y
ASE1	GIM3	YNL153C	Y
ASE1	GIM4	YEL003W	N
ASE1	GIM5	YML094W	N
ASE1	IES2	YNL215W	N
ASE1	IML3	YBR107C	N
ASE1	INP52	YNL106C	N
ASE1	JNM1	YMR294W	Y
ASE1	KEM1	YGL173C	N
ASE1	KIP3	YGL216W	N
ASE1	MAD1	YGL086W	N
ASE1	MAD2	YJL030W	N
ASE1	MAD3	YJL013C	N
ASE1	MCK1	YNL307C	N
ASE1	MCM21	YDR318W	N
ASE1	MCM22	YJR135C	N
ASE1	MRC1	YCL060C	N
ASE1	NBP2	YDR162C	N
ASE1	NUM1	YDR150W	Y
ASE1	PAC1	YOR269W	Y
ASE1	PAC11	YDR488C	Y
ASE1	PHO23	YNL097C	N
ASE1	PPZ1	YML016C	N
ASE1	RAD54	YGL163C	N
ASE1	RTT103	YDR289C	N
ASE1	SAP30	YMR263W	N
ASE1	SLK19	YOR195W	N
ASE1	SMI1	YGR229C	N
ASE1	VAC14	YLR386W	N
ASE1	VID22	YLR373C	N
ASE1	RXT2	RXT2	N
ASE1	YDR149C	YDR149C	Y
ASE1	YGL211W	YGL211W	N
ASE1	YGL217C	YGL217C	N
ASE1	YML095C-A	YML095C-A	N
ASE1	YNL170W	YNL170W	N
ASE1	YPL017C	YPL017C	N
ASE1	YTA7	YGR270W	N
BEM1	AOR1	YBR231C	N
BEM1	ARP1	YHR129C	N
BEM1	ARP6	YLR085C	N
BEM1	ASE1	YOR058C	N
BEM1	BFA1	YJR053W	N
BEM1	BIK1	YCL029C	N
BEM1	BIM1	YER016W	Y
BEM1	BUB1	YGR188C	N
BEM1	BUB2	YMR055C	N
BEM1	BUB3	YOR026W	N
BEM1	CHL4	YDR254W	N
BEM1	CSM3	YMR048W	N
BEM1	CTF19	YPL018W	N
BEM1	CTF3	YLR381W	N
BEM1	CTF8	YHR191C	N
BEM1	DCC1	YCL016C	N
BEM1	DYN1	YKR054C	N
BEM1	ELP2	YGR200C	Y
BEM1	FAB1	YFR019W	Y
BEM1	GIM3	YNL153C	Y
BEM1	GIM4	YEL003W	N
BEM1	GIM5	YML094W	Y
BEM1	IES2	YNL215W	N
BEM1	IML3	YBR107C	N
BEM1	INP52	YNL106C	N
BEM1	JNM1	YMR294W	N
BEM1	KEM1	YGL173C	Y

BEM1	KIP3	YGL216W	N
BEM1	MAD1	YGL086W	N
BEM1	MAD2	YJL030W	N
BEM1	MAD3	YJL013C	N
BEM1	MCK1	YNL307C	Y
BEM1	MCM21	YDR318W	N
BEM1	MCM22	YJR135C	N
BEM1	MRC1	YCL060C	N
BEM1	NBP2	YDR162C	Y
BEM1	NUM1	YDR150W	N
BEM1	PAC1	YOR269W	N
BEM1	PAC11	YDR488C	N
BEM1	PHO23	YNL097C	N
BEM1	PPZ1	YML016C	Y
BEM1	RAD54	YGL163C	N
BEM1	RTT103	YDR289C	N
BEM1	SAP30	YMR263W	N
BEM1	SLK19	YOR195W	N
BEM1	SMI1	YGR229C	Y
BEM1	VAC14	YLR386W	N
BEM1	VID22	YLR373C	Y
BEM1	RXT2	RXT2	N
BEM1	YDR149C	YDR149C	N
BEM1	YGL211W	YGL211W	Y
BEM1	YGL217C	YGL217C	N
BEM1	YML095C-A	YML095C-A	N
BEM1	YNL170W	YNL170W	N
BEM1	YPL017C	YPL017C	N
BEM1	YTA7	YGR270W	N
BFA1	AOR1	YBR231C	N
BFA1	ARP1	YHR129C	N
BFA1	ARP6	YLR085C	N
BFA1	ASE1	YOR058C	N
BFA1	BEM1	YBR200W	N
BFA1	BIK1	YCL029C	N
BFA1	BIM1	YER016W	Y
BFA1	BUB1	YGR188C	N
BFA1	BUB2	YMR055C	N
BFA1	BUB3	YOR026W	N
BFA1	CHL4	YDR254W	N
BFA1	CSM3	YMR048W	N
BFA1	CTF19	YPL018W	N
BFA1	CTF3	YLR381W	N
BFA1	CTF8	YHR191C	N
BFA1	DCC1	YCL016C	N
BFA1	DYN1	YKR054C	N
BFA1	ELP2	YGR200C	N
BFA1	FAB1	YFR019W	N
BFA1	GIM3	YNL153C	N
BFA1	GIM4	YEL003W	N
BFA1	GIM5	YML094W	N
BFA1	IES2	YNL215W	N
BFA1	IML3	YBR107C	N
BFA1	INP52	YNL106C	N
BFA1	JNM1	YMR294W	N
BFA1	KEM1	YGL173C	N
BFA1	KIP3	YGL216W	N
BFA1	MAD1	YGL086W	N
BFA1	MAD2	YJL030W	N
BFA1	MAD3	YJL013C	N
BFA1	MCK1	YNL307C	N
BFA1	MCM21	YDR318W	N
BFA1	MCM22	YJR135C	N
BFA1	MRC1	YCL060C	N
BFA1	NBP2	YDR162C	N
BFA1	NUM1	YDR150W	N

BFA1	PAC1	YOR269W	N
BFA1	PAC11	YDR488C	N
BFA1	PHO23	YNL097C	N
BFA1	PPZ1	YML016C	N
BFA1	RAD54	YGL163C	N
BFA1	RTT103	YDR289C	N
BFA1	SAP30	YMR263W	N
BFA1	SLK19	YOR195W	N
BFA1	SMI1	YGR229C	N
BFA1	VAC14	YLR386W	N
BFA1	VID22	YLR373C	N
BFA1	RXT2	RXT2	N
BFA1	YDR149C	YDR149C	N
BFA1	YGL211W	YGL211W	N
BFA1	YGL217C	YGL217C	N
BFA1	YML095C-A	YML095C-A	N
BFA1	YNL170W	YNL170W	N
BFA1	YPL017C	YPL017C	N
BFA1	YTA7	YGR270W	N
BIK1	AOR1	YBR231C	Y
BIK1	ARP1	YHR129C	N
BIK1	ARP6	YLR085C	N
BIK1	ASE1	YOR058C	Y
BIK1	BEM1	YBR200W	N
BIK1	BFA1	YJR053W	Y
BIK1	BIM1	YER016W	Y
BIK1	BUB1	YGR188C	Y
BIK1	BUB2	YMR055C	N
BIK1	BUB3	YOR026W	Y
BIK1	CHL4	YDR254W	N
BIK1	CSM3	YMR048W	N
BIK1	CTF19	YPL018W	N
BIK1	CTF3	YLR381W	N
BIK1	CTF8	YHR191C	N
BIK1	DCC1	YCL016C	N
BIK1	DYN1	YKR054C	N
BIK1	ELP2	YGR200C	N
BIK1	FAB1	YFR019W	Y
BIK1	GIM3	YNL153C	Y
BIK1	GIM4	YEL003W	N
BIK1	GIM5	YML094W	Y
BIK1	IES2	YNL215W	N
BIK1	IML3	YBR107C	N
BIK1	INP52	YNL106C	Y
BIK1	JNM1	YMR294W	N
BIK1	KEM1	YGL173C	N
BIK1	KIP3	YGL216W	N
BIK1	MAD1	YGL086W	N
BIK1	MAD2	YJL030W	N
BIK1	MAD3	YJL013C	N
BIK1	MCK1	YNL307C	N
BIK1	MCM21	YDR318W	N
BIK1	MCM22	YJR135C	N
BIK1	MRC1	YCL060C	N
BIK1	NBP2	YDR162C	N
BIK1	NUM1	YDR150W	N
BIK1	PAC1	YOR269W	N
BIK1	PAC11	YDR488C	N
BIK1	PHO23	YNL097C	N
BIK1	PPZ1	YML016C	N
BIK1	RAD54	YGL163C	N
BIK1	RTT103	YDR289C	Y
BIK1	SAP30	YMR263W	N
BIK1	SLK19	YOR195W	N
BIK1	SMI1	YGR229C	N
BIK1	VAC14	YLR386W	N

BIK1	VID22	YLR373C	N
BIK1	RXT2	RXT2	N
BIK1	YDR149C	YDR149C	N
BIK1	YGL211W	YGL211W	N
BIK1	YGL217C	YGL217C	N
BIK1	YML095C-A	YML095C-A	N
BIK1	YNL170W	YNL170W	N
BIK1	YPL017C	YPL017C	N
BIK1	YTA7	YGR270W	N
BIM1	AOR1	YBR231C	Y
BIM1	ARP1	YHR129C	Y
BIM1	ARP6	YLR085C	Y
BIM1	ASE1	YOR058C	Y
BIM1	BEM1	YBR200W	Y
BIM1	BFA1	YJR053W	Y
BIM1	BIK1	YCL029C	Y
BIM1	BUB1	YGR188C	Y
BIM1	BUB2	YMR055C	Y
BIM1	BUB3	YOR026W	Y
BIM1	CHL4	YDR254W	Y
BIM1	CSM3	YMR048W	Y
BIM1	CTF19	YPL018W	Y
BIM1	CTF3	YLR381W	Y
BIM1	CTF8	YHR191C	Y
BIM1	DCC1	YCL016C	Y
BIM1	DYN1	YKR054C	Y
BIM1	ELP2	YGR200C	Y
BIM1	FAB1	YFR019W	Y
BIM1	GIM3	YNL153C	Y
BIM1	GIM4	YEL003W	Y
BIM1	GIM5	YML094W	Y
BIM1	IES2	YNL215W	Y
BIM1	IML3	YBR107C	Y
BIM1	INP52	YNL106C	Y
BIM1	JNM1	YMR294W	Y
BIM1	KEM1	YGL173C	Y
BIM1	KIP3	YGL216W	Y
BIM1	MAD1	YGL086W	Y
BIM1	MAD2	YJL030W	Y
BIM1	MAD3	YJL013C	Y
BIM1	MCK1	YNL307C	Y
BIM1	MCM21	YDR318W	Y
BIM1	MCM22	YJR135C	Y
BIM1	MRC1	YCL060C	Y
BIM1	NBP2	YDR162C	Y
BIM1	NUM1	YDR150W	Y
BIM1	PAC1	YOR269W	Y
BIM1	PAC11	YDR488C	Y
BIM1	PHO23	YNL097C	Y
BIM1	PPZ1	YML016C	Y
BIM1	RAD54	YGL163C	Y
BIM1	RTT103	YDR289C	Y
BIM1	SAP30	YMR263W	Y
BIM1	SLK19	YOR195W	Y
BIM1	SMI1	YGR229C	Y
BIM1	VAC14	YLR386W	Y
BIM1	VID22	YLR373C	Y
BIM1	RXT2	RXT2	Y
BIM1	YDR149C	YDR149C	Y
BIM1	YGL211W	YGL211W	Y
BIM1	YGL217C	YGL217C	Y
BIM1	YML095C-A	YML095C-A	Y
BIM1	YNL170W	YNL170W	Y
BIM1	YPL017C	YPL017C	Y
BIM1	YTA7	YGR270W	Y
BUB1	AOR1	YBR231C	N/D

BUB1	ARP1	YHR129C	N/D
BUB1	ARP6	YLR085C	N/D
BUB1	ASE1	YOR058C	N/D
BUB1	BEM1	YBR200W	N/D
BUB1	BFA1	YJR053W	N/D
BUB1	BIK1	YCL029C	N/D
BUB1	BIM1	YER016W	N/D
BUB1	BUB2	YMR055C	N/D
BUB1	BUB3	YOR026W	N/D
BUB1	CHL4	YDR254W	N/D
BUB1	CSM3	YMR048W	N/D
BUB1	CTF19	YPL018W	N/D
BUB1	CTF3	YLR381W	N/D
BUB1	CTF8	YHR191C	N/D
BUB1	DCC1	YCL016C	N/D
BUB1	DYN1	YKR054C	N/D
BUB1	ELP2	YGR200C	N/D
BUB1	FAB1	YFR019W	N/D
BUB1	GIM3	YNL153C	N/D
BUB1	GIM4	YEL003W	N/D
BUB1	GIM5	YML094W	N/D
BUB1	IES2	YNL215W	N/D
BUB1	IML3	YBR107C	N/D
BUB1	INP52	YNL106C	N/D
BUB1	JNM1	YMR294W	N/D
BUB1	KEM1	YGL173C	N/D
BUB1	KIP3	YGL216W	N/D
BUB1	MAD1	YGL086W	N/D
BUB1	MAD2	YJL030W	N/D
BUB1	MAD3	YJL013C	N/D
BUB1	MCK1	YNL307C	N/D
BUB1	MCM21	YDR318W	N/D
BUB1	MCM22	YJR135C	N/D
BUB1	MRC1	YCL060C	N/D
BUB1	NBP2	YDR162C	N/D
BUB1	NUM1	YDR150W	N/D
BUB1	PAC1	YOR269W	N/D
BUB1	PAC11	YDR488C	N/D
BUB1	PHO23	YNL097C	N/D
BUB1	PPZ1	YML016C	N/D
BUB1	RAD54	YGL163C	N/D
BUB1	RTT103	YDR289C	N/D
BUB1	SAP30	YMR263W	N/D
BUB1	SLK19	YOR195W	N/D
BUB1	SMI1	YGR229C	N/D
BUB1	VAC14	YLR386W	N/D
BUB1	VID22	YLR373C	N/D
BUB1	RXT2	RXT2	N/D
BUB1	YDR149C	YDR149C	N/D
BUB1	YGL211W	YGL211W	N/D
BUB1	YGL217C	YGL217C	N/D
BUB1	YML095C-A	YML095C-A	N/D
BUB1	YNL170W	YNL170W	N/D
BUB1	YPL017C	YPL017C	N/D
BUB1	YTA7	YGR270W	N/D
BUB2	AOR1	YBR231C	N
BUB2	ARP1	YHR129C	N
BUB2	ARP6	YLR085C	N
BUB2	ASE1	YOR058C	N
BUB2	BEM1	YBR200W	N
BUB2	BFA1	YJR053W	N
BUB2	BIK1	YCL029C	N
BUB2	BIM1	YER016W	Y
BUB2	BUB1	YGR188C	N
BUB2	BUB3	YOR026W	N
BUB2	CHL4	YDR254W	N

BUB2	CSM3	YMR048W	Y
BUB2	CTF19	YPL018W	N
BUB2	CTF3	YLR381W	N
BUB2	CTF8	YHR191C	N
BUB2	DCC1	YCL016C	N
BUB2	DYN1	YKR054C	N
BUB2	ELP2	YGR200C	N
BUB2	FAB1	YFR019W	N
BUB2	GIM3	YNL153C	Y
BUB2	GIM4	YEL003W	Y
BUB2	GIM5	YML094W	Y
BUB2	IES2	YNL215W	N
BUB2	IML3	YBR107C	N
BUB2	INP52	YNL106C	N
BUB2	JNM1	YMR294W	N
BUB2	KEM1	YGL173C	N
BUB2	KIP3	YGL216W	N
BUB2	MAD1	YGL086W	N
BUB2	MAD2	YJL030W	N
BUB2	MAD3	YJL013C	N
BUB2	MCK1	YNL307C	N
BUB2	MCM21	YDR318W	N
BUB2	MCM22	YJR135C	N
BUB2	MRC1	YCL060C	N
BUB2	NBP2	YDR162C	N
BUB2	NUM1	YDR150W	Y
BUB2	PAC1	YOR269W	N
BUB2	PAC11	YDR488C	N
BUB2	PHO23	YNL097C	N
BUB2	PPZ1	YML016C	N
BUB2	RAD54	YGL163C	N
BUB2	RTT103	YDR289C	N
BUB2	SAP30	YMR263W	N
BUB2	SLK19	YOR195W	N
BUB2	SMI1	YGR229C	N
BUB2	VAC14	YLR386W	N
BUB2	VID22	YLR373C	N
BUB2	RXT2	RXT2	N
BUB2	YDR149C	YDR149C	N
BUB2	YGL211W	YGL211W	N
BUB2	YGL217C	YGL217C	N
BUB2	YML095C-A	YML095C-A	N
BUB2	YNL170W	YNL170W	N
BUB2	YPL017C	YPL017C	N
BUB2	YTA7	YGR270W	N
BUB3	AOR1	YBR231C	N
BUB3	ARP1	YHR129C	N
BUB3	ARP6	YLR085C	Y
BUB3	ASE1	YOR058C	Y
BUB3	BEM1	YBR200W	N
BUB3	BFA1	YJR053W	N
BUB3	BIK1	YCL029C	Y
BUB3	BIM1	YER016W	Y
BUB3	BUB1	YGR188C	N
BUB3	BUB2	YMR055C	N
BUB3	CHL4	YDR254W	Y
BUB3	CSM3	YMR048W	Y
BUB3	CTF19	YPL018W	Y
BUB3	CTF3	YLR381W	Y
BUB3	CTF8	YHR191C	N
BUB3	DCC1	YCL016C	N
BUB3	DYN1	YKR054C	N
BUB3	ELP2	YGR200C	N
BUB3	FAB1	YFR019W	N
BUB3	GIM3	YNL153C	Y
BUB3	GIM4	YEL003W	Y

BUB3	GIM5	YML094W	Y
BUB3	IES2	YNL215W	Y
BUB3	IML3	YBR107C	Y
BUB3	INP52	YNL106C	N
BUB3	JNM1	YMR294W	N
BUB3	KEM1	YGL173C	Y
BUB3	KIP3	YGL216W	Y
BUB3	MAD1	YGL086W	N
BUB3	MAD2	YJL030W	N
BUB3	MAD3	YJL013C	N
BUB3	MCK1	YNL307C	N
BUB3	MCM21	YDR318W	Y
BUB3	MCM22	YJR135C	Y
BUB3	MRC1	YCL060C	N
BUB3	NBP2	YDR162C	N
BUB3	NUM1	YDR150W	N
BUB3	PAC1	YOR269W	N
BUB3	PAC11	YDR488C	N
BUB3	PHO23	YNL097C	N
BUB3	PPZ1	YML016C	N
BUB3	RAD54	YGL163C	N
BUB3	RTT103	YDR289C	N
BUB3	SAP30	YMR263W	N
BUB3	SLK19	YOR195W	Y
BUB3	SMI1	YGR229C	N
BUB3	VAC14	YLR386W	Y
BUB3	VID22	YLR373C	Y
BUB3	RXT2	RXT2	N
BUB3	YDR149C	YDR149C	N
BUB3	YGL211W	YGL211W	N
BUB3	YGL217C	YGL217C	Y
BUB3	YML095C-A	YML095C-A	N
BUB3	YNL170W	YNL170W	N
BUB3	YPL017C	YPL017C	N
BUB3	YTA7	YGR270W	Y
CHL4	AOR1	YBR231C	N
CHL4	ARP1	YHR129C	N
CHL4	ARP6	YLR085C	N
CHL4	ASE1	YOR058C	N
CHL4	BEM1	YBR200W	N
CHL4	BFA1	YJR053W	N
CHL4	BIK1	YCL029C	N
CHL4	BIM1	YER016W	Y
CHL4	BUB1	YGR188C	Y
CHL4	BUB2	YMR055C	N
CHL4	BUB3	YOR026W	Y
CHL4	CSM3	YMR048W	N
CHL4	CTF19	YPL018W	N
CHL4	CTF3	YLR381W	N
CHL4	CTF8	YHR191C	N
CHL4	DCC1	YCL016C	N
CHL4	DYN1	YKR054C	N
CHL4	ELP2	YGR200C	N
CHL4	FAB1	YFR019W	N
CHL4	GIM3	YNL153C	N
CHL4	GIM4	YEL003W	N
CHL4	GIM5	YML094W	Y
CHL4	IES2	YNL215W	N
CHL4	IML3	YBR107C	N
CHL4	INP52	YNL106C	N
CHL4	JNM1	YMR294W	N
CHL4	KEM1	YGL173C	Y
CHL4	KIP3	YGL216W	N
CHL4	MAD1	YGL086W	Y
CHL4	MAD2	YJL030W	Y
CHL4	MAD3	YJL013C	N

CHL4	MCK1	YNL307C	N
CHL4	MCM21	YDR318W	N
CHL4	MCM22	YJR135C	N
CHL4	MRC1	YCL060C	N
CHL4	NBP2	YDR162C	N
CHL4	NUM1	YDR150W	N
CHL4	PAC1	YOR269W	N
CHL4	PAC11	YDR488C	N
CHL4	PHO23	YNL097C	N
CHL4	PPZ1	YML016C	N
CHL4	RAD54	YGL163C	N
CHL4	RTT103	YDR289C	Y
CHL4	SAP30	YMR263W	N
CHL4	SLK19	YOR195W	N
CHL4	SMI1	YGR229C	N
CHL4	VAC14	YLR386W	N
CHL4	VID22	YLR373C	N
CHL4	RXT2	RXT2	N
CHL4	YDR149C	YDR149C	N
CHL4	YGL211W	YGL211W	N
CHL4	YGL217C	YGL217C	N
CHL4	YML095C-A	YML095C-A	N
CHL4	YNL170W	YNL170W	N
CHL4	YPL017C	YPL017C	N
CHL4	YTA7	YGR270W	N
CSM3	AOR1	YBR231C	N
CSM3	ARP1	YHR129C	N
CSM3	ARP6	YLR085C	N
CSM3	ASE1	YOR058C	N
CSM3	BEM1	YBR200W	N
CSM3	BFA1	YJR053W	N
CSM3	BIK1	YCL029C	N
CSM3	BIM1	YER016W	Y
CSM3	BUB1	YGR188C	Y
CSM3	BUB2	YMR055C	Y
CSM3	BUB3	YOR026W	Y
CSM3	CHL4	YDR254W	N
CSM3	CTF19	YPL018W	N
CSM3	CTF3	YLR381W	N
CSM3	CTF8	YHR191C	Y
CSM3	DCC1	YCL016C	Y
CSM3	DYN1	YKR054C	N
CSM3	ELP2	YGR200C	N
CSM3	FAB1	YFR019W	N
CSM3	GIM3	YNL153C	N
CSM3	GIM4	YEL003W	N
CSM3	GIM5	YML094W	N
CSM3	IES2	YNL215W	N
CSM3	IML3	YBR107C	N
CSM3	INP52	YNL106C	N
CSM3	JNM1	YMR294W	N
CSM3	KEM1	YGL173C	N
CSM3	KIP3	YGL216W	N
CSM3	MAD1	YGL086W	N
CSM3	MAD2	YJL030W	N
CSM3	MAD3	YJL013C	N
CSM3	MCK1	YNL307C	N
CSM3	MCM21	YDR318W	N
CSM3	MCM22	YJR135C	N
CSM3	MRC1	YCL060C	Y
CSM3	NBP2	YDR162C	N
CSM3	NUM1	YDR150W	N
CSM3	PAC1	YOR269W	N
CSM3	PAC11	YDR488C	N
CSM3	PHO23	YNL097C	N
CSM3	PPZ1	YML016C	N

CSM3	RAD54	YGL163C	N
CSM3	RTT103	YDR289C	N
CSM3	SAP30	YMR263W	N
CSM3	SLK19	YOR195W	N
CSM3	SMI1	YGR229C	N
CSM3	VAC14	YLR386W	N
CSM3	VID22	YLR373C	N
CSM3	RXT2	RXT2	N
CSM3	YDR149C	YDR149C	N
CSM3	YGL211W	YGL211W	N
CSM3	YGL217C	YGL217C	N
CSM3	YML095C-A	YML095C-A	N
CSM3	YNL170W	YNL170W	N
CSM3	YPL017C	YPL017C	N
CSM3	YTA7	YGR270W	N
CTF19	AOR1	YBR231C	N
CTF19	ARP1	YHR129C	N
CTF19	ARP6	YLR085C	N
CTF19	ASE1	YOR058C	N
CTF19	BEM1	YBR200W	N
CTF19	BFA1	YJR053W	N
CTF19	BIK1	YCL029C	N
CTF19	BIM1	YER016W	Y
CTF19	BUB1	YGR188C	Y
CTF19	BUB2	YMR055C	N
CTF19	BUB3	YOR026W	Y
CTF19	CHL4	YDR254W	N
CTF19	CSM3	YMR048W	N
CTF19	CTF3	YLR381W	N
CTF19	CTF8	YHR191C	N
CTF19	DCC1	YCL016C	N
CTF19	DYN1	YKR054C	N
CTF19	ELP2	YGR200C	N
CTF19	FAB1	YFR019W	N
CTF19	GIM3	YNL153C	Y
CTF19	GIM4	YEL003W	N
CTF19	GIM5	YML094W	Y
CTF19	IES2	YNL215W	N
CTF19	IML3	YBR107C	N
CTF19	INP52	YNL106C	Y
CTF19	JNM1	YMR294W	N
CTF19	KEM1	YGL173C	N
CTF19	KIP3	YGL216W	N
CTF19	MAD1	YGL086W	Y
CTF19	MAD2	YJL030W	Y
CTF19	MAD3	YJL013C	N
CTF19	MCK1	YNL307C	N
CTF19	MCM21	YDR318W	N
CTF19	MCM22	YJR135C	N
CTF19	MRC1	YCL060C	N
CTF19	NBP2	YDR162C	N
CTF19	NUM1	YDR150W	N
CTF19	PAC1	YOR269W	N
CTF19	PAC11	YDR488C	N
CTF19	PHO23	YNL097C	N
CTF19	PPZ1	YML016C	N
CTF19	RAD54	YGL163C	N
CTF19	RTT103	YDR289C	N
CTF19	SAP30	YMR263W	N
CTF19	SLK19	YOR195W	N
CTF19	SMI1	YGR229C	N
CTF19	VAC14	YLR386W	N
CTF19	VID22	YLR373C	N
CTF19	RXT2	RXT2	N
CTF19	YDR149C	YDR149C	N
CTF19	YGL211W	YGL211W	N

CTF19	YGL217C	YGL217C	N
CTF19	YML095C-A	YML095C-A	N
CTF19	YNL170W	YNL170W	N
CTF19	YPL017C	YPL017C	Y
CTF19	YTA7	YGR270W	N
CTF3	AOR1	YBR231C	N
CTF3	ARP1	YHR129C	N
CTF3	ARP6	YLR085C	N
CTF3	ASE1	YOR058C	N
CTF3	BEM1	YBR200W	N
CTF3	BFA1	YJR053W	N
CTF3	BIK1	YCL029C	N
CTF3	BIM1	YER016W	Y
CTF3	BUB1	YGR188C	Y
CTF3	BUB2	YMR055C	N
CTF3	BUB3	YOR026W	N
CTF3	CHL4	YDR254W	N
CTF3	CSM3	YMR048W	N
CTF3	CTF19	YPL018W	N
CTF3	CTF8	YHR191C	N
CTF3	DCC1	YCL016C	N
CTF3	DYN1	YKR054C	N
CTF3	ELP2	YGR200C	N
CTF3	FAB1	YFR019W	Y
CTF3	GIM3	YNL153C	N
CTF3	GIM4	YEL003W	N
CTF3	GIM5	YML094W	N
CTF3	IES2	YNL215W	N
CTF3	IML3	YBR107C	N
CTF3	INP52	YNL106C	Y
CTF3	JNM1	YMR294W	N
CTF3	KEM1	YGL173C	N
CTF3	KIP3	YGL216W	N
CTF3	MAD1	YGL086W	N
CTF3	MAD2	YJL030W	N
CTF3	MAD3	YJL013C	N
CTF3	MCK1	YNL307C	N
CTF3	MCM21	YDR318W	N
CTF3	MCM22	YJR135C	N
CTF3	MRC1	YCL060C	N
CTF3	NBP2	YDR162C	N
CTF3	NUM1	YDR150W	N
CTF3	PAC1	YOR269W	N
CTF3	PAC11	YDR488C	N
CTF3	PHO23	YNL097C	N
CTF3	PPZ1	YML016C	N
CTF3	RAD54	YGL163C	N
CTF3	RTT103	YDR289C	N
CTF3	SAP30	YMR263W	N
CTF3	SLK19	YOR195W	N
CTF3	SMI1	YGR229C	N
CTF3	VAC14	YLR386W	Y
CTF3	VID22	YLR373C	Y
CTF3	RXT2	RXT2	N
CTF3	YDR149C	YDR149C	N
CTF3	YGL211W	YGL211W	N
CTF3	YGL217C	YGL217C	N
CTF3	YML095C-A	YML095C-A	Y
CTF3	YNL170W	YNL170W	N
CTF3	YPL017C	YPL017C	N
CTF3	YTA7	YGR270W	N
CTF8	AOR1	YBR231C	N
CTF8	ARP1	YHR129C	N
CTF8	ARP6	YLR085C	N
CTF8	ASE1	YOR058C	N
CTF8	BEM1	YBR200W	N

CTF8	BFA1	YJR053W	N
CTF8	BIK1	YCL029C	N
CTF8	BIM1	YER016W	Y
CTF8	BUB1	YGR188C	Y
CTF8	BUB2	YMR055C	N
CTF8	BUB3	YOR026W	N
CTF8	CHL4	YDR254W	N
CTF8	CSM3	YMR048W	Y
CTF8	CTF19	YPL018W	N
CTF8	CTF3	YLR381W	N
CTF8	DCC1	YCL016C	N
CTF8	DYN1	YKR054C	N
CTF8	ELP2	YGR200C	N
CTF8	FAB1	YFR019W	N
CTF8	GIM3	YNL153C	Y
CTF8	GIM4	YEL003W	N
CTF8	GIM5	YML094W	Y
CTF8	IES2	YNL215W	N
CTF8	IML3	YBR107C	N
CTF8	INP52	YNL106C	Y
CTF8	JNM1	YMR294W	N
CTF8	KEM1	YGL173C	N
CTF8	KIP3	YGL216W	N
CTF8	MAD1	YGL086W	N
CTF8	MAD2	YJL030W	N
CTF8	MAD3	YJL013C	N
CTF8	MCK1	YNL307C	N
CTF8	MCM21	YDR318W	N
CTF8	MCM22	YJR135C	N
CTF8	MRC1	YCL060C	Y
CTF8	NBP2	YDR162C	N
CTF8	NUM1	YDR150W	N
CTF8	PAC1	YOR269W	N
CTF8	PAC11	YDR488C	N
CTF8	PHO23	YNL097C	N
CTF8	PPZ1	YML016C	N
CTF8	RAD54	YGL163C	N
CTF8	RTT103	YDR289C	N
CTF8	SAP30	YMR263W	N
CTF8	SLK19	YOR195W	N
CTF8	SMI1	YGR229C	N
CTF8	VAC14	YLR386W	N
CTF8	VID22	YLR373C	N
CTF8	RXT2	RXT2	N
CTF8	YDR149C	YDR149C	N
CTF8	YGL211W	YGL211W	N
CTF8	YGL217C	YGL217C	N
CTF8	YML095C-A	YML095C-A	N
CTF8	YNL170W	YNL170W	N
CTF8	YPL017C	YPL017C	N
CTF8	YTA7	YGR270W	N
DCC1	AOR1	YBR231C	N
DCC1	ARP1	YHR129C	N
DCC1	ARP6	YLR085C	N
DCC1	ASE1	YOR058C	N
DCC1	BEM1	YBR200W	N
DCC1	BFA1	YJR053W	N
DCC1	BIK1	YCL029C	Y
DCC1	BIM1	YER016W	Y
DCC1	BUB1	YGR188C	Y
DCC1	BUB2	YMR055C	N
DCC1	BUB3	YOR026W	Y
DCC1	CHL4	YDR254W	N
DCC1	CSM3	YMR048W	Y
DCC1	CTF19	YPL018W	N
DCC1	CTF3	YLR381W	N

DCC1	CTF8	YHR191C	N
DCC1	DYN1	YKR054C	N
DCC1	ELP2	YGR200C	N
DCC1	FAB1	YFR019W	Y
DCC1	GIM3	YNL153C	Y
DCC1	GIM4	YEL003W	N
DCC1	GIM5	YML094W	Y
DCC1	IES2	YNL215W	N
DCC1	IML3	YBR107C	N
DCC1	INP52	YNL106C	Y
DCC1	JNM1	YMR294W	N
DCC1	KEM1	YGL173C	Y
DCC1	KIP3	YGL216W	Y
DCC1	MAD1	YGL086W	N
DCC1	MAD2	YJL030W	N
DCC1	MAD3	YJL013C	N
DCC1	MCK1	YNL307C	N
DCC1	MCM21	YDR318W	Y
DCC1	MCM22	YJR135C	N
DCC1	MRC1	YCL060C	Y
DCC1	NBP2	YDR162C	N
DCC1	NUM1	YDR150W	N
DCC1	PAC1	YOR269W	N
DCC1	PAC11	YDR488C	N
DCC1	PHO23	YNL097C	Y
DCC1	PPZ1	YML016C	N
DCC1	RAD54	YGL163C	N
DCC1	RTT103	YDR289C	N
DCC1	SAP30	YMR263W	Y
DCC1	SLK19	YOR195W	N
DCC1	SMI1	YGR229C	Y
DCC1	VAC14	YLR386W	N
DCC1	VID22	YLR373C	N
DCC1	RXT2	RXT2	N
DCC1	YDR149C	YDR149C	N
DCC1	YGL211W	YGL211W	N
DCC1	YGL217C	YGL217C	N
DCC1	YML095C-A	YML095C-A	Y
DCC1	YNL170W	YNL170W	N
DCC1	YPL017C	YPL017C	N
DCC1	YTA7	YGR270W	N
DYN1	AOR1	YBR231C	N
DYN1	ARP1	YHR129C	N
DYN1	ARP6	YLR085C	N
DYN1	ASE1	YOR058C	N
DYN1	BEM1	YBR200W	N
DYN1	BFA1	YJR053W	N
DYN1	BIK1	YCL029C	N
DYN1	BIM1	YER016W	Y
DYN1	BUB1	YGR188C	N
DYN1	BUB2	YMR055C	N
DYN1	BUB3	YOR026W	N
DYN1	CHL4	YDR254W	N
DYN1	CSM3	YMR048W	N
DYN1	CTF19	YPL018W	N
DYN1	CTF3	YLR381W	N
DYN1	CTF8	YHR191C	N
DYN1	DCC1	YCL016C	N
DYN1	ELP2	YGR200C	N
DYN1	FAB1	YFR019W	Y
DYN1	GIM3	YNL153C	Y
DYN1	GIM4	YEL003W	N
DYN1	GIM5	YML094W	Y
DYN1	IES2	YNL215W	N
DYN1	IML3	YBR107C	N
DYN1	INP52	YNL106C	N

DYN1	JNM1	YMR294W	N
DYN1	KEM1	YGL173C	N
DYN1	KIP3	YGL216W	Y
DYN1	MAD1	YGL086W	N
DYN1	MAD2	YJL030W	N
DYN1	MAD3	YJL013C	N
DYN1	MCK1	YNL307C	N
DYN1	MCM21	YDR318W	N
DYN1	MCM22	YJR135C	N
DYN1	MRC1	YCL060C	N
DYN1	NBP2	YDR162C	N
DYN1	NUM1	YDR150W	N
DYN1	PAC1	YOR269W	N
DYN1	PAC11	YDR488C	N
DYN1	PHO23	YNL097C	N
DYN1	PPZ1	YML016C	N
DYN1	RAD54	YGL163C	N
DYN1	RTT103	YDR289C	N
DYN1	SAP30	YMR263W	N
DYN1	SLK19	YOR195W	N
DYN1	SMI1	YGR229C	N
DYN1	VAC14	YLR386W	N
DYN1	VID22	YLR373C	N
DYN1	RXT2	RXT2	N
DYN1	YDR149C	YDR149C	N
DYN1	YGL211W	YGL211W	N
DYN1	YGL217C	YGL217C	Y
DYN1	YML095C-A	YML095C-A	N
DYN1	YNL170W	YNL170W	N
DYN1	YPL017C	YPL017C	N
DYN1	YTA7	YGR270W	N
ELP2	AOR1	YBR231C	N
ELP2	ARP1	YHR129C	N
ELP2	ARP6	YLR085C	N
ELP2	ASE1	YOR058C	N
ELP2	BEM1	YBR200W	Y
ELP2	BFA1	YJR053W	N
ELP2	BIK1	YCL029C	N
ELP2	BIM1	YER016W	Y
ELP2	BUB1	YGR188C	Y
ELP2	BUB2	YMR055C	N
ELP2	BUB3	YOR026W	Y
ELP2	CHL4	YDR254W	N
ELP2	CSM3	YMR048W	N
ELP2	CTF19	YPL018W	N
ELP2	CTF3	YLR381W	N
ELP2	CTF8	YHR191C	N
ELP2	DCC1	YCL016C	N
ELP2	DYN1	YKR054C	N
ELP2	FAB1	YFR019W	N
ELP2	GIM3	YNL153C	N
ELP2	GIM4	YEL003W	N
ELP2	GIM5	YML094W	N
ELP2	IES2	YNL215W	N
ELP2	IML3	YBR107C	N
ELP2	INP52	YNL106C	N
ELP2	JNM1	YMR294W	N
ELP2	KEM1	YGL173C	N
ELP2	KIP3	YGL216W	N
ELP2	MAD1	YGL086W	N
ELP2	MAD2	YJL030W	N
ELP2	MAD3	YJL013C	N
ELP2	MCK1	YNL307C	N
ELP2	MCM21	YDR318W	N
ELP2	MCM22	YJR135C	N
ELP2	MRC1	YCL060C	N

ELP2	NBP2	YDR162C	Y
ELP2	NUM1	YDR150W	N
ELP2	PAC1	YOR269W	N
ELP2	PAC11	YDR488C	N
ELP2	PHO23	YNL097C	N
ELP2	PPZ1	YML016C	N
ELP2	RAD54	YGL163C	N
ELP2	RTT103	YDR289C	N
ELP2	SAP30	YMR263W	N
ELP2	SLK19	YOR195W	N
ELP2	SMI1	YGR229C	Y
ELP2	VAC14	YLR386W	N
ELP2	VID22	YLR373C	N
ELP2	RXT2	RXT2	N
ELP2	YDR149C	YDR149C	N
ELP2	YGL211W	YGL211W	Y
ELP2	YGL217C	YGL217C	N
ELP2	YML095C-A	YML095C-A	N
ELP2	YNL170W	YNL170W	N
ELP2	YPL017C	YPL017C	N
ELP2	YTA7	YGR270W	N
FAB1	AOR1	YBR231C	N
FAB1	ARP1	YHR129C	Y
FAB1	ARP6	YLR085C	N
FAB1	ASE1	YOR058C	N
FAB1	BEM1	YBR200W	N
FAB1	BFA1	YJR053W	N
FAB1	BIK1	YCL029C	Y
FAB1	BIM1	YER016W	Y
FAB1	BUB1	YGR188C	N
FAB1	BUB2	YMR055C	N
FAB1	BUB3	YOR026W	N
FAB1	CHL4	YDR254W	N
FAB1	CSM3	YMR048W	N
FAB1	CTF19	YPL018W	N
FAB1	CTF3	YLR381W	N
FAB1	CTF8	YHR191C	N
FAB1	DCC1	YCL016C	Y
FAB1	DYN1	YKR054C	Y
FAB1	ELP2	YGR200C	N
FAB1	GIM3	YNL153C	Y
FAB1	GIM4	YEL003W	Y
FAB1	GIM5	YML094W	Y
FAB1	IES2	YNL215W	N
FAB1	IML3	YBR107C	N
FAB1	INP52	YNL106C	N
FAB1	JNM1	YMR294W	Y
FAB1	KEM1	YGL173C	Y
FAB1	KIP3	YGL216W	N
FAB1	MAD1	YGL086W	N
FAB1	MAD2	YJL030W	N
FAB1	MAD3	YJL013C	N
FAB1	MCK1	YNL307C	Y
FAB1	MCM21	YDR318W	N
FAB1	MCM22	YJR135C	N
FAB1	MRC1	YCL060C	Y
FAB1	NBP2	YDR162C	N
FAB1	NUM1	YDR150W	Y
FAB1	PAC1	YOR269W	N
FAB1	PAC11	YDR488C	Y
FAB1	PHO23	YNL097C	N
FAB1	PPZ1	YML016C	N
FAB1	RAD54	YGL163C	N
FAB1	RTT103	YDR289C	N
FAB1	SAP30	YMR263W	N
FAB1	SLK19	YOR195W	N

FAB1	SMI1	YGR229C	N
FAB1	VAC14	YLR386W	N
FAB1	VID22	YLR373C	N
FAB1	RXT2	RXT2	N
FAB1	YDR149C	YDR149C	Y
FAB1	YGL211W	YGL211W	N
FAB1	YGL217C	YGL217C	N
FAB1	YML095C-A	YML095C-A	N
FAB1	YNL170W	YNL170W	N
FAB1	YPL017C	YPL017C	N
FAB1	YTA7	YGR270W	N
GIM3	AOR1	YBR231C	Y
GIM3	ARP1	YHR129C	N
GIM3	ARP6	YLR085C	Y
GIM3	ASE1	YOR058C	N
GIM3	BEM1	YBR200W	Y
GIM3	BFA1	YJR053W	N
GIM3	BIK1	YCL029C	Y
GIM3	BIM1	YER016W	Y
GIM3	BUB1	YGR188C	Y
GIM3	BUB2	YMR055C	N
GIM3	BUB3	YOR026W	N
GIM3	CHL4	YDR254W	N
GIM3	CSM3	YMR048W	N
GIM3	CTF19	YPL018W	Y
GIM3	CTF3	YLR381W	N
GIM3	CTF8	YHR191C	Y
GIM3	DCC1	YCL016C	Y
GIM3	DYN1	YKR054C	N
GIM3	ELP2	YGR200C	N
GIM3	FAB1	YFR019W	Y
GIM3	GIM4	YEL003W	N
GIM3	GIM5	YML094W	N
GIM3	IES2	YNL215W	N
GIM3	IML3	YBR107C	N
GIM3	INP52	YNL106C	Y
GIM3	JNM1	YMR294W	N
GIM3	KEM1	YGL173C	Y
GIM3	KIP3	YGL216W	N
GIM3	MAD1	YGL086W	N
GIM3	MAD2	YJL030W	N
GIM3	MAD3	YJL013C	N
GIM3	MCK1	YNL307C	N
GIM3	MCM21	YDR318W	N
GIM3	MCM22	YJR135C	N
GIM3	MRC1	YCL060C	N
GIM3	NBP2	YDR162C	N
GIM3	NUM1	YDR150W	Y
GIM3	PAC1	YOR269W	N
GIM3	PAC11	YDR488C	N
GIM3	PHO23	YNL097C	N
GIM3	PPZ1	YML016C	N
GIM3	RAD54	YGL163C	N
GIM3	RTT103	YDR289C	N
GIM3	SAP30	YMR263W	N
GIM3	SLK19	YOR195W	N
GIM3	SMI1	YGR229C	N
GIM3	VAC14	YLR386W	N
GIM3	VID22	YLR373C	N
GIM3	RXT2	RXT2	N
GIM3	YDR149C	YDR149C	N
GIM3	YGL211W	YGL211W	N
GIM3	YGL217C	YGL217C	N
GIM3	YML095C-A	YML095C-A	N
GIM3	YNL170W	YNL170W	Y
GIM3	YPL017C	YPL017C	N

GIM3	YTA7	YGR270W	N
GIM4	AOR1	YBR231C	Y
GIM4	ARP1	YHR129C	N
GIM4	ARP6	YLR085C	Y
GIM4	ASE1	YOR058C	N
GIM4	BEM1	YBR200W	N
GIM4	BFA1	YJR053W	N
GIM4	BIK1	YCL029C	Y
GIM4	BIM1	YER016W	Y
GIM4	BUB1	YGR188C	Y
GIM4	BUB2	YMR055C	Y
GIM4	BUB3	YOR026W	Y
GIM4	CHL4	YDR254W	N
GIM4	CSM3	YMR048W	N
GIM4	CTF19	YPL018W	N
GIM4	CTF3	YLR381W	N
GIM4	CTF8	YHR191C	N
GIM4	DCC1	YCL016C	N
GIM4	DYN1	YKR054C	N
GIM4	ELP2	YGR200C	N
GIM4	FAB1	YFR019W	Y
GIM4	GIM3	YNL153C	N
GIM4	GIM5	YML094W	N
GIM4	IES2	YNL215W	N
GIM4	IML3	YBR107C	N
GIM4	INP52	YNL106C	Y
GIM4	JNM1	YMR294W	N
GIM4	KEM1	YGL173C	N
GIM4	KIP3	YGL216W	N
GIM4	MAD1	YGL086W	Y
GIM4	MAD2	YJL030W	Y
GIM4	MAD3	YJL013C	N
GIM4	MCK1	YNL307C	N
GIM4	MCM21	YDR318W	N
GIM4	MCM22	YJR135C	N
GIM4	MRC1	YCL060C	N
GIM4	NBP2	YDR162C	N
GIM4	NUM1	YDR150W	N
GIM4	PAC1	YOR269W	N
GIM4	PAC11	YDR488C	N
GIM4	PHO23	YNL097C	N
GIM4	PPZ1	YML016C	N
GIM4	RAD54	YGL163C	N
GIM4	RTT103	YDR289C	N
GIM4	SAP30	YMR263W	N
GIM4	SLK19	YOR195W	N
GIM4	SMI1	YGR229C	N
GIM4	VAC14	YLR386W	N
GIM4	VID22	YLR373C	N
GIM4	RXT2	RXT2	N
GIM4	YDR149C	YDR149C	N
GIM4	YGL211W	YGL211W	N
GIM4	YGL217C	YGL217C	N
GIM4	YML095C-A	YML095C-A	N
GIM4	YNL170W	YNL170W	N
GIM4	YPL017C	YPL017C	N
GIM4	YTA7	YGR270W	N
GIM5	AOR1	YBR231C	Y
GIM5	ARP1	YHR129C	Y
GIM5	ARP6	YLR085C	Y
GIM5	ASE1	YOR058C	Y
GIM5	BEM1	YBR200W	Y
GIM5	BFA1	YJR053W	Y
GIM5	BIK1	YCL029C	Y
GIM5	BIM1	YER016W	Y
GIM5	BUB1	YGR188C	Y

GIM5	BUB2	YMR055C	Y
GIM5	BUB3	YOR026W	Y
GIM5	CHL4	YDR254W	Y
GIM5	CSM3	YMR048W	N
GIM5	CTF19	YPL018W	Y
GIM5	CTF3	YLR381W	N
GIM5	CTF8	YHR191C	Y
GIM5	DCC1	YCL016C	Y
GIM5	DYN1	YKR054C	Y
GIM5	ELP2	YGR200C	N
GIM5	FAB1	YFR019W	Y
GIM5	GIM3	YNL153C	N
GIM5	GIM4	YEL003W	N
GIM5	IES2	YNL215W	N
GIM5	IML3	YBR107C	N
GIM5	INP52	YNL106C	N
GIM5	JNM1	YMR294W	Y
GIM5	KEM1	YGL173C	Y
GIM5	KIP3	YGL216W	N
GIM5	MAD1	YGL086W	Y
GIM5	MAD2	YJL030W	Y
GIM5	MAD3	YJL013C	N
GIM5	MCK1	YNL307C	N
GIM5	MCM21	YDR318W	Y
GIM5	MCM22	YJR135C	N
GIM5	MRC1	YCL060C	N
GIM5	NBP2	YDR162C	Y
GIM5	NUM1	YDR150W	Y
GIM5	PAC1	YOR269W	N
GIM5	PAC11	YDR488C	Y
GIM5	PHO23	YNL097C	N
GIM5	PPZ1	YML016C	N
GIM5	RAD54	YGL163C	N
GIM5	RTT103	YDR289C	N
GIM5	SAP30	YMR263W	N
GIM5	SLK19	YOR195W	N
GIM5	SMI1	YGR229C	N
GIM5	VAC14	YLR386W	Y
GIM5	VID22	YLR373C	N
GIM5	RXT2	RXT2	N
GIM5	YDR149C	YDR149C	Y
GIM5	YGL211W	YGL211W	N
GIM5	YGL217C	YGL217C	N
GIM5	YML095C-A	YML095C-A	Y
GIM5	YNL170W	YNL170W	N
GIM5	YPL017C	YPL017C	N
GIM5	YTA7	YGR270W	N
IES2	AOR1	YBR231C	N
IES2	ARP1	YHR129C	N
IES2	ARP6	YLR085C	N
IES2	ASE1	YOR058C	N
IES2	BEM1	YBR200W	N
IES2	BFA1	YJR053W	N
IES2	BIK1	YCL029C	N
IES2	BIM1	YER016W	Y
IES2	BUB1	YGR188C	N
IES2	BUB2	YMR055C	N
IES2	BUB3	YOR026W	Y
IES2	CHL4	YDR254W	N
IES2	CSM3	YMR048W	N
IES2	CTF19	YPL018W	N
IES2	CTF3	YLR381W	Y
IES2	CTF8	YHR191C	N
IES2	DCC1	YCL016C	N
IES2	DYN1	YKR054C	N
IES2	ELP2	YGR200C	N

IES2	FAB1	YFR019W	N
IES2	GIM3	YNL153C	Y
IES2	GIM4	YEL003W	N
IES2	GIM5	YML094W	N
IES2	IML3	YBR107C	N
IES2	INP52	YNL106C	N
IES2	JNM1	YMR294W	N
IES2	KEM1	YGL173C	N
IES2	KIP3	YGL216W	N
IES2	MAD1	YGL086W	N
IES2	MAD2	YJL030W	N
IES2	MAD3	YJL013C	N
IES2	MCK1	YNL307C	N
IES2	MCM21	YDR318W	N
IES2	MCM22	YJR135C	N
IES2	MRC1	YCL060C	N
IES2	NBP2	YDR162C	N
IES2	NUM1	YDR150W	N
IES2	PAC1	YOR269W	N
IES2	PAC11	YDR488C	N
IES2	PHO23	YNL097C	N
IES2	PPZ1	YML016C	N
IES2	RAD54	YGL163C	N
IES2	RTT103	YDR289C	N
IES2	SAP30	YMR263W	N
IES2	SLK19	YOR195W	N
IES2	SMI1	YGR229C	N
IES2	VAC14	YLR386W	Y
IES2	VID22	YLR373C	N
IES2	RXT2	RXT2	N
IES2	YDR149C	YDR149C	N
IES2	YGL211W	YGL211W	N
IES2	YGL217C	YGL217C	N
IES2	YML095C-A	YML095C-A	N
IES2	YNL170W	YNL170W	N
IES2	YPL017C	YPL017C	N
IES2	YTA7	YGR270W	N
IML3	AOR1	YBR231C	N
IML3	ARP1	YHR129C	N
IML3	ARP6	YLR085C	N
IML3	ASE1	YOR058C	N
IML3	BEM1	YBR200W	N
IML3	BFA1	YJR053W	N
IML3	BIK1	YCL029C	N
IML3	BIM1	YER016W	Y
IML3	BUB1	YGR188C	Y
IML3	BUB2	YMR055C	N
IML3	BUB3	YOR026W	Y
IML3	CHL4	YDR254W	N
IML3	CSM3	YMR048W	N
IML3	CTF19	YPL018W	N
IML3	CTF3	YLR381W	N
IML3	CTF8	YHR191C	N
IML3	DCC1	YCL016C	N
IML3	DYN1	YKR054C	N
IML3	ELP2	YGR200C	N
IML3	FAB1	YFR019W	N
IML3	GIM3	YNL153C	N
IML3	GIM4	YEL003W	N
IML3	GIM5	YML094W	N
IML3	IES2	YNL215W	N
IML3	INP52	YNL106C	N
IML3	JNM1	YMR294W	N
IML3	KEM1	YGL173C	N
IML3	KIP3	YGL216W	N
IML3	MAD1	YGL086W	N

IML3	MAD2	YJL030W	N
IML3	MAD3	YJL013C	N
IML3	MCK1	YNL307C	N
IML3	MCM21	YDR318W	N
IML3	MCM22	YJR135C	N
IML3	MRC1	YCL060C	N
IML3	NBP2	YDR162C	N
IML3	NUM1	YDR150W	N
IML3	PAC1	YOR269W	N
IML3	PAC11	YDR488C	N
IML3	PHO23	YNL097C	N
IML3	PPZ1	YML016C	N
IML3	RAD54	YGL163C	N
IML3	RTT103	YDR289C	N
IML3	SAP30	YMR263W	N
IML3	SLK19	YOR195W	N
IML3	SMI1	YGR229C	N
IML3	VAC14	YLR386W	N
IML3	VID22	YLR373C	N
IML3	RXT2	RXT2	Y
IML3	YDR149C	YDR149C	N
IML3	YGL211W	YGL211W	N
IML3	YGL217C	YGL217C	N
IML3	YML095C-A	YML095C-A	Y
IML3	YNL170W	YNL170W	N
IML3	YPL017C	YPL017C	N
IML3	YTA7	YGR270W	N
INP52	AOR1	YBR231C	N
INP52	ARP1	YHR129C	N
INP52	ARP6	YLR085C	N
INP52	ASE1	YOR058C	N
INP52	BEM1	YBR200W	N
INP52	BFA1	YJR053W	N
INP52	BIK1	YCL029C	Y
INP52	BIM1	YER016W	Y
INP52	BUB1	YGR188C	Y
INP52	BUB2	YMR055C	N
INP52	BUB3	YOR026W	Y
INP52	CHL4	YDR254W	N
INP52	CSM3	YMR048W	N
INP52	CTF19	YPL018W	N
INP52	CTF3	YLR381W	N
INP52	CTF8	YHR191C	N
INP52	DCC1	YCL016C	Y
INP52	DYN1	YKR054C	N
INP52	ELP2	YGR200C	N
INP52	FAB1	YFR019W	N
INP52	GIM3	YNL153C	Y
INP52	GIM4	YEL003W	Y
INP52	GIM5	YML094W	Y
INP52	IES2	YNL215W	N
INP52	IML3	YBR107C	N
INP52	JNM1	YMR294W	N
INP52	KEM1	YGL173C	Y
INP52	KIP3	YGL216W	N
INP52	MAD1	YGL086W	Y
INP52	MAD2	YJL030W	N
INP52	MAD3	YJL013C	N
INP52	MCK1	YNL307C	N
INP52	MCM21	YDR318W	N
INP52	MCM22	YJR135C	N
INP52	MRC1	YCL060C	Y
INP52	NBP2	YDR162C	N
INP52	NUM1	YDR150W	N
INP52	PAC1	YOR269W	N
INP52	PAC11	YDR488C	N

INP52	PHO23	YNL097C	Y
INP52	PPZ1	YML016C	N
INP52	RAD54	YGL163C	N
INP52	RTT103	YDR289C	Y
INP52	SAP30	YMR263W	Y
INP52	SLK19	YOR195W	N
INP52	SMI1	YGR229C	N
INP52	VAC14	YLR386W	N
INP52	VID22	YLR373C	Y
INP52	RXT2	RXT2	Y
INP52	YDR149C	YDR149C	N
INP52	YGL211W	YGL211W	N
INP52	YGL217C	YGL217C	N
INP52	YML095C-A	YML095C-A	N
INP52	YNL170W	YNL170W	N
INP52	YPL017C	YPL017C	N
INP52	YTA7	YGR270W	N
JNM1	AOR1	YBR231C	N
JNM1	ARP1	YHR129C	N
JNM1	ARP6	YLR085C	N
JNM1	ASE1	YOR058C	Y
JNM1	BEM1	YBR200W	N
JNM1	BFA1	YJR053W	N
JNM1	BIK1	YCL029C	N
JNM1	BIM1	YER016W	Y
JNM1	BUB1	YGR188C	N
JNM1	BUB2	YMR055C	N
JNM1	BUB3	YOR026W	N
JNM1	CHL4	YDR254W	N
JNM1	CSM3	YMR048W	N
JNM1	CTF19	YPL018W	N
JNM1	CTF3	YLR381W	N
JNM1	CTF8	YHR191C	N
JNM1	DCC1	YCL016C	N
JNM1	DYN1	YKR054C	N
JNM1	ELP2	YGR200C	N
JNM1	FAB1	YFR019W	Y
JNM1	GIM3	YNL153C	Y
JNM1	GIM4	YEL003W	Y
JNM1	GIM5	YML094W	Y
JNM1	IES2	YNL215W	N
JNM1	IML3	YBR107C	N
JNM1	INP52	YNL106C	N
JNM1	KEM1	YGL173C	N
JNM1	KIP3	YGL216W	Y
JNM1	MAD1	YGL086W	N
JNM1	MAD2	YJL030W	N
JNM1	MAD3	YJL013C	N
JNM1	MCK1	YNL307C	N
JNM1	MCM21	YDR318W	N
JNM1	MCM22	YJR135C	N
JNM1	MRC1	YCL060C	N
JNM1	NBP2	YDR162C	N
JNM1	NUM1	YDR150W	N
JNM1	PAC1	YOR269W	N
JNM1	PAC11	YDR488C	N
JNM1	PHO23	YNL097C	N
JNM1	PPZ1	YML016C	N
JNM1	RAD54	YGL163C	N
JNM1	RTT103	YDR289C	N
JNM1	SAP30	YMR263W	N
JNM1	SLK19	YOR195W	N
JNM1	SMI1	YGR229C	N
JNM1	VAC14	YLR386W	N
JNM1	VID22	YLR373C	N
JNM1	RXT2	RXT2	N

JNM1	YDR149C	YDR149C	N
JNM1	YGL211W	YGL211W	N
JNM1	YGL217C	YGL217C	Y
JNM1	YML095C-A	YML095C-A	N
JNM1	YNL170W	YNL170W	N
JNM1	YPL017C	YPL017C	N
JNM1	YTA7	YGR270W	N
KEM1	AOR1	YBR231C	N
KEM1	ARP1	YHR129C	N
KEM1	ARP6	YLR085C	N
KEM1	ASE1	YOR058C	N
KEM1	BEM1	YBR200W	Y
KEM1	BFA1	YJR053W	N
KEM1	BIK1	YCL029C	N
KEM1	BIM1	YER016W	Y
KEM1	BUB1	YGR188C	Y
KEM1	BUB2	YMR055C	N
KEM1	BUB3	YOR026W	Y
KEM1	CHL4	YDR254W	N
KEM1	CSM3	YMR048W	N
KEM1	CTF19	YPL018W	N
KEM1	CTF3	YLR381W	Y
KEM1	CTF8	YHR191C	N
KEM1	DCC1	YCL016C	N
KEM1	DYN1	YKR054C	N
KEM1	ELP2	YGR200C	Y
KEM1	FAB1	YFR019W	Y
KEM1	GIM3	YNL153C	Y
KEM1	GIM4	YEL003W	N
KEM1	GIM5	YML094W	Y
KEM1	IES2	YNL215W	Y
KEM1	IML3	YBR107C	N
KEM1	INP52	YNL106C	N
KEM1	JNM1	YMR294W	N
KEM1	KIP3	YGL216W	N
KEM1	MAD1	YGL086W	N
KEM1	MAD2	YJL030W	N
KEM1	MAD3	YJL013C	N
KEM1	MCK1	YNL307C	N
KEM1	MCM21	YDR318W	N
KEM1	MCM22	YJR135C	N
KEM1	MRC1	YCL060C	N
KEM1	NBP2	YDR162C	Y
KEM1	NUM1	YDR150W	N
KEM1	PAC1	YOR269W	N
KEM1	PAC11	YDR488C	N
KEM1	PHO23	YNL097C	Y
KEM1	PPZ1	YML016C	N
KEM1	RAD54	YGL163C	Y
KEM1	RTT103	YDR289C	N
KEM1	SAP30	YMR263W	Y
KEM1	SLK19	YOR195W	N
KEM1	SMI1	YGR229C	N
KEM1	VAC14	YLR386W	N
KEM1	VID22	YLR373C	Y
KEM1	RXT2	RXT2	N
KEM1	YDR149C	YDR149C	N
KEM1	YGL211W	YGL211W	Y
KEM1	YGL217C	YGL217C	N
KEM1	YML095C-A	YML095C-A	N
KEM1	YNL170W	YNL170W	N
KEM1	YPL017C	YPL017C	N
KEM1	YTA7	YGR270W	N
KIP3	AOR1	YBR231C	N
KIP3	ARP1	YHR129C	Y
KIP3	ARP6	YLR085C	N

KIP3	ASE1	YOR058C	N
KIP3	BEM1	YBR200W	N
KIP3	BFA1	YJR053W	N
KIP3	BIK1	YCL029C	N
KIP3	BIM1	YER016W	Y
KIP3	BUB1	YGR188C	N
KIP3	BUB2	YMR055C	N
KIP3	BUB3	YOR026W	Y
KIP3	CHL4	YDR254W	N
KIP3	CSM3	YMR048W	N
KIP3	CTF19	YPL018W	N
KIP3	CTF3	YLR381W	N
KIP3	CTF8	YHR191C	N
KIP3	DCC1	YCL016C	N
KIP3	DYN1	YKR054C	Y
KIP3	ELP2	YGR200C	N
KIP3	FAB1	YFR019W	N
KIP3	GIM3	YNL153C	N
KIP3	GIM4	YEL003W	N
KIP3	GIM5	YML094W	N
KIP3	IES2	YNL215W	N
KIP3	IML3	YBR107C	N
KIP3	INP52	YNL106C	N
KIP3	JNM1	YMR294W	Y
KIP3	KEM1	YGL173C	N
KIP3	MAD1	YGL086W	N
KIP3	MAD2	YJL030W	N
KIP3	MAD3	YJL013C	N
KIP3	MCK1	YNL307C	N
KIP3	MCM21	YDR318W	N
KIP3	MCM22	YJR135C	N
KIP3	MRC1	YCL060C	N
KIP3	NBP2	YDR162C	Y
KIP3	NUM1	YDR150W	Y
KIP3	PAC1	YOR269W	Y
KIP3	PAC11	YDR488C	Y
KIP3	PHO23	YNL097C	N
KIP3	PPZ1	YML016C	N
KIP3	RAD54	YGL163C	N
KIP3	RTT103	YDR289C	N
KIP3	SAP30	YMR263W	N
KIP3	SLK19	YOR195W	N
KIP3	SMI1	YGR229C	N
KIP3	VAC14	YLR386W	N
KIP3	VID22	YLR373C	N
KIP3	RXT2	RXT2	N
KIP3	YDR149C	YDR149C	Y
KIP3	YGL211W	YGL211W	Y
KIP3	YGL217C	YGL217C	Y
KIP3	YML095C-A	YML095C-A	N
KIP3	YNL170W	YNL170W	N
KIP3	YPL017C	YPL017C	N
KIP3	YTA7	YGR270W	N
MAD1	AOR1	YBR231C	N
MAD1	ARP1	YHR129C	N
MAD1	ARP6	YLR085C	N
MAD1	ASE1	YOR058C	N
MAD1	BEM1	YBR200W	N
MAD1	BFA1	YJR053W	N
MAD1	BIK1	YCL029C	N
MAD1	BIM1	YER016W	Y
MAD1	BUB1	YGR188C	N
MAD1	BUB2	YMR055C	N
MAD1	BUB3	YOR026W	N
MAD1	CHL4	YDR254W	N
MAD1	CSM3	YMR048W	N

MAD1	CTF19	YPL018W	Y
MAD1	CTF3	YLR381W	N
MAD1	CTF8	YHR191C	N
MAD1	DCC1	YCL016C	N
MAD1	DYN1	YKR054C	N
MAD1	ELP2	YGR200C	N
MAD1	FAB1	YFR019W	N
MAD1	GIM3	YNL153C	N
MAD1	GIM4	YEL003W	Y
MAD1	GIM5	YML094W	Y
MAD1	IES2	YNL215W	N
MAD1	IML3	YBR107C	N
MAD1	INP52	YNL106C	Y
MAD1	JNM1	YMR294W	N
MAD1	KEM1	YGL173C	N
MAD1	KIP3	YGL216W	N
MAD1	MAD2	YJL030W	N
MAD1	MAD3	YJL013C	N
MAD1	MCK1	YNL307C	N
MAD1	MCM21	YDR318W	Y
MAD1	MCM22	YJR135C	N
MAD1	MRC1	YCL060C	N
MAD1	NBP2	YDR162C	N
MAD1	NUM1	YDR150W	N
MAD1	PAC1	YOR269W	N
MAD1	PAC11	YDR488C	N
MAD1	PHO23	YNL097C	N
MAD1	PPZ1	YML016C	N
MAD1	RAD54	YGL163C	N
MAD1	RTT103	YDR289C	N
MAD1	SAP30	YMR263W	N
MAD1	SLK19	YOR195W	N
MAD1	SMI1	YGR229C	N
MAD1	VAC14	YLR386W	N
MAD1	VID22	YLR373C	N
MAD1	RXT2	RXT2	N
MAD1	YDR149C	YDR149C	N
MAD1	YGL211W	YGL211W	N
MAD1	YGL217C	YGL217C	N
MAD1	YML095C-A	YML095C-A	N
MAD1	YNL170W	YNL170W	N
MAD1	YPL017C	YPL017C	N
MAD1	YTA7	YGR270W	N
MAD2	AOR1	YBR231C	N
MAD2	ARP1	YHR129C	N
MAD2	ARP6	YLR085C	N
MAD2	ASE1	YOR058C	N
MAD2	BEM1	YBR200W	N
MAD2	BFA1	YJR053W	N
MAD2	BIK1	YCL029C	N
MAD2	BIM1	YER016W	Y
MAD2	BUB1	YGR188C	N
MAD2	BUB2	YMR055C	N
MAD2	BUB3	YOR026W	N
MAD2	CHL4	YDR254W	N
MAD2	CSM3	YMR048W	N
MAD2	CTF19	YPL018W	Y
MAD2	CTF3	YLR381W	N
MAD2	CTF8	YHR191C	N
MAD2	DCC1	YCL016C	N
MAD2	DYN1	YKR054C	N
MAD2	ELP2	YGR200C	N
MAD2	FAB1	YFR019W	N
MAD2	GIM3	YNL153C	N
MAD2	GIM4	YEL003W	Y
MAD2	GIM5	YML094W	N

MAD2	IES2	YNL215W	N
MAD2	IML3	YBR107C	N
MAD2	INP52	YNL106C	N
MAD2	JNM1	YMR294W	N
MAD2	KEM1	YGL173C	N
MAD2	KIP3	YGL216W	N
MAD2	MAD1	YGL086W	N
MAD2	MAD3	YJL013C	Y
MAD2	MCK1	YNL307C	N
MAD2	MCM21	YDR318W	Y
MAD2	MCM22	YJR135C	N
MAD2	MRC1	YCL060C	N
MAD2	NBP2	YDR162C	N
MAD2	NUM1	YDR150W	N
MAD2	PAC1	YOR269W	N
MAD2	PAC11	YDR488C	N
MAD2	PHO23	YNL097C	N
MAD2	PPZ1	YML016C	N
MAD2	RAD54	YGL163C	N
MAD2	RTT103	YDR289C	N
MAD2	SAP30	YMR263W	N
MAD2	SLK19	YOR195W	N
MAD2	SMI1	YGR229C	N
MAD2	VAC14	YLR386W	N
MAD2	VID22	YLR373C	N
MAD2	RXT2	RXT2	N
MAD2	YDR149C	YDR149C	N
MAD2	YGL211W	YGL211W	N
MAD2	YGL217C	YGL217C	N
MAD2	YML095C-A	YML095C-A	N
MAD2	YNL170W	YNL170W	N
MAD2	YPL017C	YPL017C	N
MAD2	YTA7	YGR270W	N
MAD3	AOR1	YBR231C	N
MAD3	ARP1	YHR129C	N
MAD3	ARP6	YLR085C	N
MAD3	ASE1	YOR058C	N
MAD3	BEM1	YBR200W	N
MAD3	BFA1	YJR053W	N
MAD3	BIK1	YCL029C	N
MAD3	BIM1	YER016W	Y
MAD3	BUB1	YGR188C	N
MAD3	BUB2	YMR055C	N
MAD3	BUB3	YOR026W	N
MAD3	CHL4	YDR254W	N
MAD3	CSM3	YMR048W	N
MAD3	CTF19	YPL018W	N
MAD3	CTF3	YLR381W	N
MAD3	CTF8	YHR191C	N
MAD3	DCC1	YCL016C	N
MAD3	DYN1	YKR054C	N
MAD3	ELP2	YGR200C	N
MAD3	FAB1	YFR019W	N
MAD3	GIM3	YNL153C	N
MAD3	GIM4	YEL003W	N
MAD3	GIM5	YML094W	N
MAD3	IES2	YNL215W	N
MAD3	IML3	YBR107C	N
MAD3	INP52	YNL106C	N
MAD3	JNM1	YMR294W	N
MAD3	KEM1	YGL173C	N
MAD3	KIP3	YGL216W	N
MAD3	MAD1	YGL086W	N
MAD3	MAD2	YJL030W	Y
MAD3	MCK1	YNL307C	N
MAD3	MCM21	YDR318W	N

MAD3	MCM22	YJR135C	N
MAD3	MRC1	YCL060C	N
MAD3	NBP2	YDR162C	N
MAD3	NUM1	YDR150W	N
MAD3	PAC1	YOR269W	N
MAD3	PAC11	YDR488C	N
MAD3	PHO23	YNL097C	N
MAD3	PPZ1	YML016C	N
MAD3	RAD54	YGL163C	N
MAD3	RTT103	YDR289C	N
MAD3	SAP30	YMR263W	N
MAD3	SLK19	YOR195W	N
MAD3	SMI1	YGR229C	N
MAD3	VAC14	YLR386W	N
MAD3	VID22	YLR373C	N
MAD3	RXT2	RXT2	N
MAD3	YDR149C	YDR149C	N
MAD3	YGL211W	YGL211W	N
MAD3	YGL217C	YGL217C	N
MAD3	YML095C-A	YML095C-A	N
MAD3	YNL170W	YNL170W	N
MAD3	YPL017C	YPL017C	N
MAD3	YTA7	YGR270W	N
MCK1	AOR1	YBR231C	N
MCK1	ARP1	YHR129C	N
MCK1	ARP6	YLR085C	N
MCK1	ASE1	YOR058C	N
MCK1	BEM1	YBR200W	N
MCK1	BFA1	YJR053W	N
MCK1	BIK1	YCL029C	N
MCK1	BIM1	YER016W	Y
MCK1	BUB1	YGR188C	N
MCK1	BUB2	YMR055C	N
MCK1	BUB3	YOR026W	Y
MCK1	CHL4	YDR254W	N
MCK1	CSM3	YMR048W	N
MCK1	CTF19	YPL018W	N
MCK1	CTF3	YLR381W	N
MCK1	CTF8	YHR191C	Y
MCK1	DCC1	YCL016C	N
MCK1	DYN1	YKR054C	N
MCK1	ELP2	YGR200C	N
MCK1	FAB1	YFR019W	Y
MCK1	GIM3	YNL153C	N
MCK1	GIM4	YEL003W	N
MCK1	GIM5	YML094W	N
MCK1	IES2	YNL215W	N
MCK1	IML3	YBR107C	N
MCK1	INP52	YNL106C	N
MCK1	JNM1	YMR294W	N
MCK1	KEM1	YGL173C	N
MCK1	KIP3	YGL216W	N
MCK1	MAD1	YGL086W	N
MCK1	MAD2	YJL030W	N
MCK1	MAD3	YJL013C	N
MCK1	MCM21	YDR318W	N
MCK1	MCM22	YJR135C	N
MCK1	MRC1	YCL060C	N
MCK1	NBP2	YDR162C	Y
MCK1	NUM1	YDR150W	N
MCK1	PAC1	YOR269W	N
MCK1	PAC11	YDR488C	N
MCK1	PHO23	YNL097C	Y
MCK1	PPZ1	YML016C	N
MCK1	RAD54	YGL163C	N
MCK1	RTT103	YDR289C	N

MCK1	SAP30	YMR263W	N
MCK1	SLK19	YOR195W	N
MCK1	SMI1	YGR229C	N
MCK1	VAC14	YLR386W	N
MCK1	VID22	YLR373C	N
MCK1	RXT2	RXT2	N
MCK1	YDR149C	YDR149C	N
MCK1	YGL211W	YGL211W	N
MCK1	YGL217C	YGL217C	N
MCK1	YML095C-A	YML095C-A	N
MCK1	YNL170W	YNL170W	N
MCK1	YPL017C	YPL017C	N
MCK1	YTA7	YGR270W	N
MCM21	AOR1	YBR231C	N
MCM21	ARP1	YHR129C	N
MCM21	ARP6	YLR085C	N
MCM21	ASE1	YOR058C	N
MCM21	BEM1	YBR200W	N
MCM21	BFA1	YJR053W	N
MCM21	BIK1	YCL029C	N
MCM21	BIM1	YER016W	Y
MCM21	BUB1	YGR188C	Y
MCM21	BUB2	YMR055C	N
MCM21	BUB3	YOR026W	Y
MCM21	CHL4	YDR254W	N
MCM21	CSM3	YMR048W	N
MCM21	CTF19	YPL018W	N
MCM21	CTF3	YLR381W	N
MCM21	CTF8	YHR191C	N
MCM21	DCC1	YCL016C	N
MCM21	DYN1	YKR054C	N
MCM21	ELP2	YGR200C	N
MCM21	FAB1	YFR019W	N
MCM21	GIM3	YNL153C	Y
MCM21	GIM4	YEL003W	N
MCM21	GIM5	YML094W	Y
MCM21	IES2	YNL215W	N
MCM21	IML3	YBR107C	N
MCM21	INP52	YNL106C	N
MCM21	JNM1	YMR294W	N
MCM21	KEM1	YGL173C	N
MCM21	KIP3	YGL216W	N
MCM21	MAD1	YGL086W	Y
MCM21	MAD2	YJL030W	Y
MCM21	MAD3	YJL013C	N
MCM21	MCK1	YNL307C	N
MCM21	MCM22	YJR135C	N
MCM21	MRC1	YCL060C	N
MCM21	NBP2	YDR162C	N
MCM21	NUM1	YDR150W	N
MCM21	PAC1	YOR269W	N
MCM21	PAC11	YDR488C	N
MCM21	PHO23	YNL097C	N
MCM21	PPZ1	YML016C	N
MCM21	RAD54	YGL163C	N
MCM21	RTT103	YDR289C	N
MCM21	SAP30	YMR263W	N
MCM21	SLK19	YOR195W	N
MCM21	SMI1	YGR229C	N
MCM21	VAC14	YLR386W	N
MCM21	VID22	YLR373C	N
MCM21	RXT2	RXT2	N
MCM21	YDR149C	YDR149C	N
MCM21	YGL211W	YGL211W	N
MCM21	YGL217C	YGL217C	N
MCM21	YML095C-A	YML095C-A	Y

MCM21	YNL170W	YNL170W	N
MCM21	YPL017C	YPL017C	N
MCM21	YTA7	YGR270W	N
MCM22	AOR1	YBR231C	N
MCM22	ARP1	YHR129C	N
MCM22	ARP6	YLR085C	N
MCM22	ASE1	YOR058C	N
MCM22	BEM1	YBR200W	N
MCM22	BFA1	YJR053W	N
MCM22	BIK1	YCL029C	N
MCM22	BIM1	YER016W	Y
MCM22	BUB1	YGR188C	Y
MCM22	BUB2	YMR055C	N
MCM22	BUB3	YOR026W	Y
MCM22	CHL4	YDR254W	N
MCM22	CSM3	YMR048W	N
MCM22	CTF19	YPL018W	N
MCM22	CTF3	YLR381W	N
MCM22	CTF8	YHR191C	N
MCM22	DCC1	YCL016C	N
MCM22	DYN1	YKR054C	N
MCM22	ELP2	YGR200C	N
MCM22	FAB1	YFR019W	N
MCM22	GIM3	YNL153C	N
MCM22	GIM4	YEL003W	N
MCM22	GIM5	YML094W	N
MCM22	IES2	YNL215W	N
MCM22	IML3	YBR107C	N
MCM22	INP52	YNL106C	N
MCM22	JNM1	YMR294W	N
MCM22	KEM1	YGL173C	N
MCM22	KIP3	YGL216W	N
MCM22	MAD1	YGL086W	N
MCM22	MAD2	YJL030W	N
MCM22	MAD3	YJL013C	N
MCM22	MCK1	YNL307C	N
MCM22	MCM21	YDR318W	N
MCM22	MRC1	YCL060C	N
MCM22	NBP2	YDR162C	N
MCM22	NUM1	YDR150W	N
MCM22	PAC1	YOR269W	N
MCM22	PAC11	YDR488C	N
MCM22	PHO23	YNL097C	N
MCM22	PPZ1	YML016C	N
MCM22	RAD54	YGL163C	N
MCM22	RTT103	YDR289C	N
MCM22	SAP30	YMR263W	N
MCM22	SLK19	YOR195W	N
MCM22	SMI1	YGR229C	N
MCM22	VAC14	YLR386W	N
MCM22	VID22	YLR373C	N
MCM22	RXT2	RXT2	N
MCM22	YDR149C	YDR149C	N
MCM22	YGL211W	YGL211W	N
MCM22	YGL217C	YGL217C	N
MCM22	YML095C-A	YML095C-A	N
MCM22	YNL170W	YNL170W	N
MCM22	YPL017C	YPL017C	N
MCM22	YTA7	YGR270W	N
MRC1	AOR1	YBR231C	N
MRC1	ARP1	YHR129C	N
MRC1	ARP6	YLR085C	N
MRC1	ASE1	YOR058C	N
MRC1	BEM1	YBR200W	N
MRC1	BFA1	YJR053W	N
MRC1	BIK1	YCL029C	N

MRC1	BIM1	YER016W	Y
MRC1	BUB1	YGR188C	N
MRC1	BUB2	YMR055C	N
MRC1	BUB3	YOR026W	N
MRC1	CHL4	YDR254W	N
MRC1	CSM3	YMR048W	Y
MRC1	CTF19	YPL018W	N
MRC1	CTF3	YLR381W	N
MRC1	CTF8	YHR191C	Y
MRC1	DCC1	YCL016C	Y
MRC1	DYN1	YKR054C	N
MRC1	ELP2	YGR200C	N
MRC1	FAB1	YFR019W	N
MRC1	GIM3	YNL153C	N
MRC1	GIM4	YEL003W	N
MRC1	GIM5	YML094W	N
MRC1	IES2	YNL215W	N
MRC1	IML3	YBR107C	N
MRC1	INP52	YNL106C	Y
MRC1	JNM1	YMR294W	N
MRC1	KEM1	YGL173C	N
MRC1	KIP3	YGL216W	N
MRC1	MAD1	YGL086W	N
MRC1	MAD2	YJL030W	N
MRC1	MAD3	YJL013C	N
MRC1	MCK1	YNL307C	N
MRC1	MCM21	YDR318W	N
MRC1	MCM22	YJR135C	N
MRC1	NBP2	YDR162C	N
MRC1	NUM1	YDR150W	N
MRC1	PAC1	YOR269W	N
MRC1	PAC11	YDR488C	N
MRC1	PHO23	YNL097C	N
MRC1	PPZ1	YML016C	N
MRC1	RAD54	YGL163C	N
MRC1	RTT103	YDR289C	N
MRC1	SAP30	YMR263W	N
MRC1	SLK19	YOR195W	N
MRC1	SMI1	YGR229C	N
MRC1	VAC14	YLR386W	N
MRC1	VID22	YLR373C	N
MRC1	RXT2	RXT2	N
MRC1	YDR149C	YDR149C	N
MRC1	YGL211W	YGL211W	N
MRC1	YGL217C	YGL217C	N
MRC1	YML095C-A	YML095C-A	N
MRC1	YNL170W	YNL170W	N
MRC1	YPL017C	YPL017C	N
MRC1	YTA7	YGR270W	N
NBP2	AOR1	YBR231C	N
NBP2	ARP1	YHR129C	N
NBP2	ARP6	YLR085C	N
NBP2	ASE1	YOR058C	N
NBP2	BEM1	YBR200W	N
NBP2	BFA1	YJR053W	N
NBP2	BIK1	YCL029C	N
NBP2	BIM1	YER016W	Y
NBP2	BUB1	YGR188C	N
NBP2	BUB2	YMR055C	N
NBP2	BUB3	YOR026W	N
NBP2	CHL4	YDR254W	N
NBP2	CSM3	YMR048W	N
NBP2	CTF19	YPL018W	N
NBP2	CTF3	YLR381W	N
NBP2	CTF8	YHR191C	N
NBP2	DCC1	YCL016C	N

NBP2	DYN1	YKR054C	N
NBP2	ELP2	YGR200C	N
NBP2	FAB1	YFR019W	N
NBP2	GIM3	YNL153C	N
NBP2	GIM4	YEL003W	N
NBP2	GIM5	YML094W	N
NBP2	IES2	YNL215W	N
NBP2	IML3	YBR107C	N
NBP2	INP52	YNL106C	N
NBP2	JNM1	YMR294W	N
NBP2	KEM1	YGL173C	N
NBP2	KIP3	YGL216W	Y
NBP2	MAD1	YGL086W	N
NBP2	MAD2	YJL030W	N
NBP2	MAD3	YJL013C	N
NBP2	MCK1	YNL307C	N
NBP2	MCM21	YDR318W	N
NBP2	MCM22	YJR135C	N
NBP2	MRC1	YCL060C	N
NBP2	NUM1	YDR150W	N
NBP2	PAC1	YOR269W	N
NBP2	PAC11	YDR488C	N
NBP2	PHO23	YNL097C	N
NBP2	PPZ1	YML016C	N
NBP2	RAD54	YGL163C	N
NBP2	RTT103	YDR289C	N
NBP2	SAP30	YMR263W	N
NBP2	SLK19	YOR195W	N
NBP2	SMI1	YGR229C	N
NBP2	VAC14	YLR386W	N
NBP2	VID22	YLR373C	N
NBP2	RXT2	RXT2	N
NBP2	YDR149C	YDR149C	N
NBP2	YGL211W	YGL211W	Y
NBP2	YGL217C	YGL217C	Y
NBP2	YML095C-A	YML095C-A	N
NBP2	YNL170W	YNL170W	N
NBP2	YPL017C	YPL017C	N
NBP2	YTA7	YGR270W	N
NUM1	AOR1	YBR231C	N
NUM1	ARP1	YHR129C	N
NUM1	ARP6	YLR085C	N
NUM1	ASE1	YOR058C	N
NUM1	BEM1	YBR200W	N
NUM1	BFA1	YJR053W	Y
NUM1	BIK1	YCL029C	N
NUM1	BIM1	YER016W	Y
NUM1	BUB1	YGR188C	N
NUM1	BUB2	YMR055C	N
NUM1	BUB3	YOR026W	N
NUM1	CHL4	YDR254W	N
NUM1	CSM3	YMR048W	N
NUM1	CTF19	YPL018W	N
NUM1	CTF3	YLR381W	N
NUM1	CTF8	YHR191C	N
NUM1	DCC1	YCL016C	N
NUM1	DYN1	YKR054C	N
NUM1	ELP2	YGR200C	N
NUM1	FAB1	YFR019W	Y
NUM1	GIM3	YNL153C	Y
NUM1	GIM4	YEL003W	Y
NUM1	GIM5	YML094W	Y
NUM1	IES2	YNL215W	N
NUM1	IML3	YBR107C	N
NUM1	INP52	YNL106C	N
NUM1	JNM1	YMR294W	N

NUM1	KEM1	YGL173C	N
NUM1	KIP3	YGL216W	Y
NUM1	MAD1	YGL086W	N
NUM1	MAD2	YJL030W	N
NUM1	MAD3	YJL013C	N
NUM1	MCK1	YNL307C	N
NUM1	MCM21	YDR318W	N
NUM1	MCM22	YJR135C	N
NUM1	MRC1	YCL060C	N
NUM1	NBP2	YDR162C	Y
NUM1	PAC1	YOR269W	N
NUM1	PAC11	YDR488C	N
NUM1	PHO23	YNL097C	N
NUM1	PPZ1	YML016C	N
NUM1	RAD54	YGL163C	N
NUM1	RTT103	YDR289C	N
NUM1	SAP30	YMR263W	N
NUM1	SLK19	YOR195W	N
NUM1	SMI1	YGR229C	N
NUM1	VAC14	YLR386W	N
NUM1	VID22	YLR373C	N
NUM1	RXT2	RXT2	N
NUM1	YDR149C	YDR149C	Y
NUM1	YGL211W	YGL211W	N
NUM1	YGL217C	YGL217C	N
NUM1	YML095C-A	YML095C-A	N
NUM1	YNL170W	YNL170W	N
NUM1	YPL017C	YPL017C	N
NUM1	YTA7	YGR270W	N
PAC1	AOR1	YBR231C	N
PAC1	ARP1	YHR129C	N
PAC1	ARP6	YLR085C	N
PAC1	ASE1	YOR058C	Y
PAC1	BEM1	YBR200W	N
PAC1	BFA1	YJR053W	N
PAC1	BIK1	YCL029C	N
PAC1	BIM1	YER016W	Y
PAC1	BUB1	YGR188C	N
PAC1	BUB2	YMR055C	N
PAC1	BUB3	YOR026W	N
PAC1	CHL4	YDR254W	N
PAC1	CSM3	YMR048W	N
PAC1	CTF19	YPL018W	N
PAC1	CTF3	YLR381W	N
PAC1	CTF8	YHR191C	N
PAC1	DCC1	YCL016C	N
PAC1	DYN1	YKR054C	N
PAC1	ELP2	YGR200C	N
PAC1	FAB1	YFR019W	N
PAC1	GIM3	YNL153C	Y
PAC1	GIM4	YEL003W	N
PAC1	GIM5	YML094W	Y
PAC1	IES2	YNL215W	N
PAC1	IML3	YBR107C	N
PAC1	INP52	YNL106C	N
PAC1	JNM1	YMR294W	N
PAC1	KEM1	YGL173C	N
PAC1	KIP3	YGL216W	N
PAC1	MAD1	YGL086W	N
PAC1	MAD2	YJL030W	N
PAC1	MAD3	YJL013C	N
PAC1	MCK1	YNL307C	N
PAC1	MCM21	YDR318W	N
PAC1	MCM22	YJR135C	N
PAC1	MRC1	YCL060C	N
PAC1	NBP2	YDR162C	N

PAC1	NUM1	YDR150W	N
PAC1	PAC11	YDR488C	N
PAC1	PHO23	YNL097C	N
PAC1	PPZ1	YML016C	N
PAC1	RAD54	YGL163C	N
PAC1	RTT103	YDR289C	N
PAC1	SAP30	YMR263W	N
PAC1	SLK19	YOR195W	N
PAC1	SMI1	YGR229C	N
PAC1	VAC14	YLR386W	N
PAC1	VID22	YLR373C	N
PAC1	RXT2	RXT2	N
PAC1	YDR149C	YDR149C	N
PAC1	YGL211W	YGL211W	N
PAC1	YGL217C	YGL217C	Y
PAC1	YML095C-A	YML095C-A	Y
PAC1	YNL170W	YNL170W	N
PAC1	YPL017C	YPL017C	N
PAC1	YTA7	YGR270W	N
PAC11	AOR1	YBR231C	N
PAC11	ARP1	YHR129C	N
PAC11	ARP6	YLR085C	N
PAC11	ASE1	YOR058C	Y
PAC11	BEM1	YBR200W	N
PAC11	BFA1	YJR053W	N
PAC11	BIK1	YCL029C	N
PAC11	BIM1	YER016W	Y
PAC11	BUB1	YGR188C	N
PAC11	BUB2	YMR055C	N
PAC11	BUB3	YOR026W	N
PAC11	CHL4	YDR254W	N
PAC11	CSM3	YMR048W	N
PAC11	CTF19	YPL018W	N
PAC11	CTF3	YLR381W	N
PAC11	CTF8	YHR191C	N
PAC11	DCC1	YCL016C	N
PAC11	DYN1	YKR054C	N
PAC11	ELP2	YGR200C	N
PAC11	FAB1	YFR019W	Y
PAC11	GIM3	YNL153C	Y
PAC11	GIM4	YEL003W	N
PAC11	GIM5	YML094W	Y
PAC11	IES2	YNL215W	N
PAC11	IML3	YBR107C	N
PAC11	INP52	YNL106C	N
PAC11	JNM1	YMR294W	N
PAC11	KEM1	YGL173C	N
PAC11	KIP3	YGL216W	Y
PAC11	MAD1	YGL086W	N
PAC11	MAD2	YJL030W	N
PAC11	MAD3	YJL013C	N
PAC11	MCK1	YNL307C	Y
PAC11	MCM21	YDR318W	N
PAC11	MCM22	YJR135C	N
PAC11	MRC1	YCL060C	N
PAC11	NBP2	YDR162C	N
PAC11	NUM1	YDR150W	N
PAC11	PAC1	YOR269W	N
PAC11	PHO23	YNL097C	N
PAC11	PPZ1	YML016C	N
PAC11	RAD54	YGL163C	N
PAC11	RTT103	YDR289C	N
PAC11	SAP30	YMR263W	N
PAC11	SLK19	YOR195W	N
PAC11	SMI1	YGR229C	N
PAC11	VAC14	YLR386W	N

PAC11	VID22	YLR373C	N
PAC11	RXT2	RXT2	N
PAC11	YDR149C	YDR149C	N
PAC11	YGL211W	YGL211W	N
PAC11	YGL217C	YGL217C	Y
PAC11	YML095C-A	YML095C-A	N
PAC11	YNL170W	YNL170W	N
PAC11	YPL017C	YPL017C	N
PAC11	YTA7	YGR270W	N
PHO23	AOR1	YBR231C	Y
PHO23	ARP1	YHR129C	N
PHO23	ARP6	YLR085C	Y
PHO23	ASE1	YOR058C	N
PHO23	BEM1	YBR200W	N
PHO23	BFA1	YJR053W	N
PHO23	BIK1	YCL029C	N
PHO23	BIM1	YER016W	Y
PHO23	BUB1	YGR188C	N
PHO23	BUB2	YMR055C	N
PHO23	BUB3	YOR026W	N
PHO23	CHL4	YDR254W	N
PHO23	CSM3	YMR048W	N
PHO23	CTF19	YPL018W	N
PHO23	CTF3	YLR381W	N
PHO23	CTF8	YHR191C	N
PHO23	DCC1	YCL016C	N
PHO23	DYN1	YKR054C	N
PHO23	ELP2	YGR200C	N
PHO23	FAB1	YFR019W	N
PHO23	GIM3	YNL153C	N
PHO23	GIM4	YEL003W	N
PHO23	GIM5	YML094W	N
PHO23	IES2	YNL215W	Y
PHO23	IML3	YBR107C	N
PHO23	INP52	YNL106C	Y
PHO23	JNM1	YMR294W	N
PHO23	KEM1	YGL173C	N
PHO23	KIP3	YGL216W	N
PHO23	MAD1	YGL086W	N
PHO23	MAD2	YJL030W	N
PHO23	MAD3	YJL013C	N
PHO23	MCK1	YNL307C	Y
PHO23	MCM21	YDR318W	N
PHO23	MCM22	YJR135C	N
PHO23	MRC1	YCL060C	N
PHO23	NBP2	YDR162C	N
PHO23	NUM1	YDR150W	N
PHO23	PAC1	YOR269W	N
PHO23	PAC11	YDR488C	N
PHO23	PPZ1	YML016C	N
PHO23	RAD54	YGL163C	N
PHO23	RTT103	YDR289C	N
PHO23	SAP30	YMR263W	N
PHO23	SLK19	YOR195W	N
PHO23	SMI1	YGR229C	N
PHO23	VAC14	YLR386W	N
PHO23	VID22	YLR373C	N
PHO23	RXT2	RXT2	N
PHO23	YDR149C	YDR149C	N
PHO23	YGL211W	YGL211W	N
PHO23	YGL217C	YGL217C	N
PHO23	YML095C-A	YML095C-A	N
PHO23	YNL170W	YNL170W	N
PHO23	YPL017C	YPL017C	N
PHO23	YTA7	YGR270W	N
PPZ1	AOR1	YBR231C	N

PPZ1	ARP1	YHR129C	N
PPZ1	ARP6	YLR085C	N
PPZ1	ASE1	YOR058C	N
PPZ1	BEM1	YBR200W	N
PPZ1	BFA1	YJR053W	N
PPZ1	BIK1	YCL029C	N
PPZ1	BIM1	YER016W	Y
PPZ1	BUB1	YGR188C	N
PPZ1	BUB2	YMR055C	N
PPZ1	BUB3	YOR026W	N
PPZ1	CHL4	YDR254W	N
PPZ1	CSM3	YMR048W	N
PPZ1	CTF19	YPL018W	N
PPZ1	CTF3	YLR381W	N
PPZ1	CTF8	YHR191C	N
PPZ1	DCC1	YCL016C	N
PPZ1	DYN1	YKR054C	N
PPZ1	ELP2	YGR200C	N
PPZ1	FAB1	YFR019W	N
PPZ1	GIM3	YNL153C	N
PPZ1	GIM4	YEL003W	N
PPZ1	GIM5	YML094W	N
PPZ1	IES2	YNL215W	N
PPZ1	IML3	YBR107C	N
PPZ1	INP52	YNL106C	N
PPZ1	JNM1	YMR294W	N
PPZ1	KEM1	YGL173C	N
PPZ1	KIP3	YGL216W	N
PPZ1	MAD1	YGL086W	N
PPZ1	MAD2	YJL030W	N
PPZ1	MAD3	YJL013C	N
PPZ1	MCK1	YNL307C	N
PPZ1	MCM21	YDR318W	N
PPZ1	MCM22	YJR135C	N
PPZ1	MRC1	YCL060C	N
PPZ1	NBP2	YDR162C	N
PPZ1	NUM1	YDR150W	N
PPZ1	PAC1	YOR269W	N
PPZ1	PAC11	YDR488C	N
PPZ1	PHO23	YNL097C	N
PPZ1	RAD54	YGL163C	N
PPZ1	RTT103	YDR289C	N
PPZ1	SAP30	YMR263W	N
PPZ1	SLK19	YOR195W	N
PPZ1	SMI1	YGR229C	N
PPZ1	VAC14	YLR386W	N
PPZ1	VID22	YLR373C	N
PPZ1	RXT2	RXT2	N
PPZ1	YDR149C	YDR149C	N
PPZ1	YGL211W	YGL211W	N
PPZ1	YGL217C	YGL217C	N
PPZ1	YML095C-A	YML095C-A	N
PPZ1	YNL170W	YNL170W	N
PPZ1	YPL017C	YPL017C	N
PPZ1	YTA7	YGR270W	N
RAD54	AOR1	YBR231C	N/D
RAD54	ARP1	YHR129C	N/D
RAD54	ARP6	YLR085C	N/D
RAD54	ASE1	YOR058C	N/D
RAD54	BEM1	YBR200W	N/D
RAD54	BFA1	YJR053W	N/D
RAD54	BIK1	YCL029C	N/D
RAD54	BIM1	YER016W	N/D
RAD54	BUB1	YGR188C	N/D
RAD54	BUB2	YMR055C	N/D
RAD54	BUB3	YOR026W	N/D

RAD54	CHL4	YDR254W	N/D
RAD54	CSM3	YMR048W	N/D
RAD54	CTF19	YPL018W	N/D
RAD54	CTF3	YLR381W	N/D
RAD54	CTF8	YHR191C	N/D
RAD54	DCC1	YCL016C	N/D
RAD54	DYN1	YKR054C	N/D
RAD54	ELP2	YGR200C	N/D
RAD54	FAB1	YFR019W	N/D
RAD54	GIM3	YNL153C	N/D
RAD54	GIM4	YEL003W	N/D
RAD54	GIM5	YML094W	N/D
RAD54	IES2	YNL215W	N/D
RAD54	IML3	YBR107C	N/D
RAD54	INP52	YNL106C	N/D
RAD54	JNM1	YMR294W	N/D
RAD54	KEM1	YGL173C	N/D
RAD54	KIP3	YGL216W	N/D
RAD54	MAD1	YGL086W	N/D
RAD54	MAD2	YJL030W	N/D
RAD54	MAD3	YJL013C	N/D
RAD54	MCK1	YNL307C	N/D
RAD54	MCM21	YDR318W	N/D
RAD54	MCM22	YJR135C	N/D
RAD54	MRC1	YCL060C	N/D
RAD54	NBP2	YDR162C	N/D
RAD54	NUM1	YDR150W	N/D
RAD54	PAC1	YOR269W	N/D
RAD54	PAC11	YDR488C	N/D
RAD54	PHO23	YNL097C	N/D
RAD54	PPZ1	YML016C	N/D
RAD54	RTT103	YDR289C	N/D
RAD54	SAP30	YMR263W	N/D
RAD54	SLK19	YOR195W	N/D
RAD54	SMI1	YGR229C	N/D
RAD54	VAC14	YLR386W	N/D
RAD54	VID22	YLR373C	N/D
RAD54	RXT2	RXT2	N/D
RAD54	YDR149C	YDR149C	N/D
RAD54	YGL211W	YGL211W	N/D
RAD54	YGL217C	YGL217C	N/D
RAD54	YML095C-A	YML095C-A	N/D
RAD54	YNL170W	YNL170W	N/D
RAD54	YPL017C	YPL017C	N/D
RAD54	YTA7	YGR270W	N/D
RTT103	AOR1	YBR231C	N
RTT103	ARP1	YHR129C	N
RTT103	ARP6	YLR085C	N
RTT103	ASE1	YOR058C	N
RTT103	BEM1	YBR200W	N
RTT103	BFA1	YJR053W	N
RTT103	BIK1	YCL029C	Y
RTT103	BIM1	YER016W	Y
RTT103	BUB1	YGR188C	N
RTT103	BUB2	YMR055C	N
RTT103	BUB3	YOR026W	N
RTT103	CHL4	YDR254W	Y
RTT103	CSM3	YMR048W	N
RTT103	CTF19	YPL018W	N
RTT103	CTF3	YLR381W	N
RTT103	CTF8	YHR191C	N
RTT103	DCC1	YCL016C	N
RTT103	DYN1	YKR054C	N
RTT103	ELP2	YGR200C	N
RTT103	FAB1	YFR019W	N
RTT103	GIM3	YNL153C	N

RTT103	GIM4	YEL003W	N
RTT103	GIM5	YML094W	N
RTT103	IES2	YNL215W	N
RTT103	IML3	YBR107C	N
RTT103	INP52	YNL106C	Y
RTT103	JNM1	YMR294W	N
RTT103	KEM1	YGL173C	N
RTT103	KIP3	YGL216W	N
RTT103	MAD1	YGL086W	N
RTT103	MAD2	YJL030W	N
RTT103	MAD3	YJL013C	N
RTT103	MCK1	YNL307C	N
RTT103	MCM21	YDR318W	N
RTT103	MCM22	YJR135C	N
RTT103	MRC1	YCL060C	N
RTT103	NBP2	YDR162C	N
RTT103	NUM1	YDR150W	N
RTT103	PAC1	YOR269W	N
RTT103	PAC11	YDR488C	N
RTT103	PHO23	YNL097C	N
RTT103	PPZ1	YML016C	N
RTT103	RAD54	YGL163C	N
RTT103	SAP30	YMR263W	N
RTT103	SLK19	YOR195W	N
RTT103	SMI1	YGR229C	N
RTT103	VAC14	YLR386W	N
RTT103	VID22	YLR373C	N
RTT103	RXT2	RXT2	N
RTT103	YDR149C	YDR149C	N
RTT103	YGL211W	YGL211W	N
RTT103	YGL217C	YGL217C	N
RTT103	YML095C-A	YML095C-A	N
RTT103	YNL170W	YNL170W	N
RTT103	YPL017C	YPL017C	N
RTT103	YTA7	YGR270W	N
SAP30	AOR1	YBR231C	N
SAP30	ARP1	YHR129C	N
SAP30	ARP6	YLR085C	Y
SAP30	ASE1	YOR058C	N
SAP30	BEM1	YBR200W	N
SAP30	BFA1	YJR053W	N
SAP30	BIK1	YCL029C	N
SAP30	BIM1	YER016W	Y
SAP30	BUB1	YGR188C	N
SAP30	BUB2	YMR055C	N
SAP30	BUB3	YOR026W	N
SAP30	CHL4	YDR254W	N
SAP30	CSM3	YMR048W	N
SAP30	CTF19	YPL018W	N
SAP30	CTF3	YLR381W	N
SAP30	CTF8	YHR191C	N
SAP30	DCC1	YCL016C	N
SAP30	DYN1	YKR054C	N
SAP30	ELP2	YGR200C	N
SAP30	FAB1	YFR019W	N
SAP30	GIM3	YNL153C	N
SAP30	GIM4	YEL003W	N
SAP30	GIM5	YML094W	N
SAP30	IES2	YNL215W	Y
SAP30	IML3	YBR107C	N
SAP30	INP52	YNL106C	N
SAP30	JNM1	YMR294W	N
SAP30	KEM1	YGL173C	Y
SAP30	KIP3	YGL216W	N
SAP30	MAD1	YGL086W	N
SAP30	MAD2	YJL030W	N

SAP30	MAD3	YJL013C	N
SAP30	MCK1	YNL307C	N
SAP30	MCM21	YDR318W	N
SAP30	MCM22	YJR135C	N
SAP30	MRC1	YCL060C	N
SAP30	NBP2	YDR162C	N
SAP30	NUM1	YDR150W	N
SAP30	PAC1	YOR269W	N
SAP30	PAC11	YDR488C	N
SAP30	PHO23	YNL097C	N
SAP30	PPZ1	YML016C	N
SAP30	RAD54	YGL163C	N
SAP30	RTT103	YDR289C	N
SAP30	SLK19	YOR195W	N
SAP30	SMI1	YGR229C	N
SAP30	VAC14	YLR386W	N
SAP30	VID22	YLR373C	N
SAP30	RXT2	RXT2	N
SAP30	YDR149C	YDR149C	N
SAP30	YGL211W	YGL211W	N
SAP30	YGL217C	YGL217C	N
SAP30	YML095C-A	YML095C-A	N
SAP30	YNL170W	YNL170W	N
SAP30	YPL017C	YPL017C	N
SAP30	YTA7	YGR270W	N
SLK19	AOR1	YBR231C	N
SLK19	ARP1	YHR129C	N
SLK19	ARP6	YLR085C	N
SLK19	ASE1	YOR058C	N
SLK19	BEM1	YBR200W	N
SLK19	BFA1	YJR053W	N
SLK19	BIK1	YCL029C	N
SLK19	BIM1	YER016W	Y
SLK19	BUB1	YGR188C	Y
SLK19	BUB2	YMR055C	N
SLK19	BUB3	YOR026W	Y
SLK19	CHL4	YDR254W	N
SLK19	CSM3	YMR048W	N
SLK19	CTF19	YPL018W	N
SLK19	CTF3	YLR381W	N
SLK19	CTF8	YHR191C	Y
SLK19	DCC1	YCL016C	N
SLK19	DYN1	YKR054C	N
SLK19	ELP2	YGR200C	N
SLK19	FAB1	YFR019W	N
SLK19	GIM3	YNL153C	N
SLK19	GIM4	YEL003W	N
SLK19	GIM5	YML094W	N
SLK19	IES2	YNL215W	N
SLK19	IML3	YBR107C	N
SLK19	INP52	YNL106C	N
SLK19	JNM1	YMR294W	N
SLK19	KEM1	YGL173C	N
SLK19	KIP3	YGL216W	N
SLK19	MAD1	YGL086W	Y
SLK19	MAD2	YJL030W	N
SLK19	MAD3	YJL013C	N
SLK19	MCK1	YNL307C	N
SLK19	MCM21	YDR318W	N
SLK19	MCM22	YJR135C	N
SLK19	MRC1	YCL060C	N
SLK19	NBP2	YDR162C	N
SLK19	NUM1	YDR150W	N
SLK19	PAC1	YOR269W	N
SLK19	PAC11	YDR488C	N
SLK19	PHO23	YNL097C	N

SLK19	PPZ1	YML016C	N
SLK19	RAD54	YGL163C	N
SLK19	RTT103	YDR289C	N
SLK19	SAP30	YMR263W	N
SLK19	SMI1	YGR229C	N
SLK19	VAC14	YLR386W	N
SLK19	VID22	YLR373C	N
SLK19	RXT2	RXT2	N
SLK19	YDR149C	YDR149C	N
SLK19	YGL211W	YGL211W	N
SLK19	YGL217C	YGL217C	N
SLK19	YML095C-A	YML095C-A	N
SLK19	YNL170W	YNL170W	N
SLK19	YPL017C	YPL017C	N
SLK19	YTA7	YGR270W	N
SMI1	AOR1	YBR231C	N
SMI1	ARP1	YHR129C	N
SMI1	ARP6	YLR085C	N
SMI1	ASE1	YOR058C	N
SMI1	BEM1	YBR200W	Y
SMI1	BFA1	YJR053W	N
SMI1	BIK1	YCL029C	N
SMI1	BIM1	YER016W	Y
SMI1	BUB1	YGR188C	N
SMI1	BUB2	YMR055C	N
SMI1	BUB3	YOR026W	N
SMI1	CHL4	YDR254W	N
SMI1	CSM3	YMR048W	N
SMI1	CTF19	YPL018W	N
SMI1	CTF3	YLR381W	N
SMI1	CTF8	YHR191C	N
SMI1	DCC1	YCL016C	N
SMI1	DYN1	YKR054C	N
SMI1	ELP2	YGR200C	N
SMI1	FAB1	YFR019W	N
SMI1	GIM3	YNL153C	N
SMI1	GIM4	YEL003W	N
SMI1	GIM5	YML094W	N
SMI1	IES2	YNL215W	N
SMI1	IML3	YBR107C	N
SMI1	INP52	YNL106C	N
SMI1	JNM1	YMR294W	N
SMI1	KEM1	YGL173C	N
SMI1	KIP3	YGL216W	N
SMI1	MAD1	YGL086W	N
SMI1	MAD2	YJL030W	N
SMI1	MAD3	YJL013C	N
SMI1	MCK1	YNL307C	N
SMI1	MCM21	YDR318W	N
SMI1	MCM22	YJR135C	N
SMI1	MRC1	YCL060C	N
SMI1	NBP2	YDR162C	N
SMI1	NUM1	YDR150W	N
SMI1	PAC1	YOR269W	N
SMI1	PAC11	YDR488C	N
SMI1	PHO23	YNL097C	N
SMI1	PPZ1	YML016C	N
SMI1	RAD54	YGL163C	N
SMI1	RTT103	YDR289C	N
SMI1	SAP30	YMR263W	N
SMI1	SLK19	YOR195W	N
SMI1	VAC14	YLR386W	N
SMI1	VID22	YLR373C	N
SMI1	RXT2	RXT2	N
SMI1	YDR149C	YDR149C	N
SMI1	YGL211W	YGL211W	N

SMI1	YGL217C	YGL217C	N
SMI1	YML095C-A	YML095C-A	N
SMI1	YNL170W	YNL170W	N
SMI1	YPL017C	YPL017C	N
SMI1	YTA7	YGR270W	N
VAC14	AOR1	YBR231C	N
VAC14	ARP1	YHR129C	N
VAC14	ARP6	YLR085C	N
VAC14	ASE1	YOR058C	N
VAC14	BEM1	YBR200W	N
VAC14	BFA1	YJR053W	N
VAC14	BIK1	YCL029C	N
VAC14	BIM1	YER016W	Y
VAC14	BUB1	YGR188C	N
VAC14	BUB2	YMR055C	N
VAC14	BUB3	YOR026W	N
VAC14	CHL4	YDR254W	N
VAC14	CSM3	YMR048W	N
VAC14	CTF19	YPL018W	N
VAC14	CTF3	YLR381W	Y
VAC14	CTF8	YHR191C	N
VAC14	DCC1	YCL016C	N
VAC14	DYN1	YKR054C	N
VAC14	ELP2	YGR200C	N
VAC14	FAB1	YFR019W	N
VAC14	GIM3	YNL153C	Y
VAC14	GIM4	YEL003W	N
VAC14	GIM5	YML094W	N
VAC14	IES2	YNL215W	N
VAC14	IML3	YBR107C	N
VAC14	INP52	YNL106C	N
VAC14	JNM1	YMR294W	N
VAC14	KEM1	YGL173C	N
VAC14	KIP3	YGL216W	N
VAC14	MAD1	YGL086W	N
VAC14	MAD2	YJL030W	N
VAC14	MAD3	YJL013C	N
VAC14	MCK1	YNL307C	N
VAC14	MCM21	YDR318W	N
VAC14	MCM22	YJR135C	N
VAC14	MRC1	YCL060C	N
VAC14	NBP2	YDR162C	N
VAC14	NUM1	YDR150W	N
VAC14	PAC1	YOR269W	N
VAC14	PAC11	YDR488C	N
VAC14	PHO23	YNL097C	N
VAC14	PPZ1	YML016C	N
VAC14	RAD54	YGL163C	N
VAC14	RTT103	YDR289C	N
VAC14	SAP30	YMR263W	N
VAC14	SLK19	YOR195W	N
VAC14	SMI1	YGR229C	N
VAC14	VID22	YLR373C	N
VAC14	RXT2	RXT2	N
VAC14	YDR149C	YDR149C	N
VAC14	YGL211W	YGL211W	N
VAC14	YGL217C	YGL217C	N
VAC14	YML095C-A	YML095C-A	N
VAC14	YNL170W	YNL170W	N
VAC14	YPL017C	YPL017C	N
VAC14	YTA7	YGR270W	N
VID22	AOR1	YBR231C	N
VID22	ARP1	YHR129C	N
VID22	ARP6	YLR085C	N
VID22	ASE1	YOR058C	N
VID22	BEM1	YBR200W	Y

VID22	BFA1	YJR053W	N
VID22	BIK1	YCL029C	N
VID22	BIM1	YER016W	Y
VID22	BUB1	YGR188C	Y
VID22	BUB2	YMR055C	N
VID22	BUB3	YOR026W	Y
VID22	CHL4	YDR254W	N
VID22	CSM3	YMR048W	N
VID22	CTF19	YPL018W	N
VID22	CTF3	YLR381W	Y
VID22	CTF8	YHR191C	Y
VID22	DCC1	YCL016C	N
VID22	DYN1	YKR054C	N
VID22	ELP2	YGR200C	N
VID22	FAB1	YFR019W	N
VID22	GIM3	YNL153C	N
VID22	GIM4	YEL003W	N
VID22	GIM5	YML094W	N
VID22	IES2	YNL215W	N
VID22	IML3	YBR107C	N
VID22	INP52	YNL106C	N
VID22	JNM1	YMR294W	N
VID22	KEM1	YGL173C	Y
VID22	KIP3	YGL216W	N
VID22	MAD1	YGL086W	N
VID22	MAD2	YJL030W	N
VID22	MAD3	YJL013C	N
VID22	MCK1	YNL307C	N
VID22	MCM21	YDR318W	N
VID22	MCM22	YJR135C	N
VID22	MRC1	YCL060C	N
VID22	NBP2	YDR162C	N
VID22	NUM1	YDR150W	N
VID22	PAC1	YOR269W	N
VID22	PAC11	YDR488C	N
VID22	PHO23	YNL097C	N
VID22	PPZ1	YML016C	N
VID22	RAD54	YGL163C	N
VID22	RTT103	YDR289C	N
VID22	SAP30	YMR263W	N
VID22	SLK19	YOR195W	N
VID22	SMI1	YGR229C	N
VID22	VAC14	YLR386W	Y
VID22	RXT2	RXT2	N
VID22	YDR149C	YDR149C	N
VID22	YGL211W	YGL211W	N
VID22	YGL217C	YGL217C	N
VID22	YML095C-A	YML095C-A	N
VID22	YNL170W	YNL170W	Y
VID22	YPL017C	YPL017C	N
VID22	YTA7	YGR270W	N
RXT2	AOR1	YBR231C	N
RXT2	ARP1	YHR129C	N
RXT2	ARP6	YLR085C	Y
RXT2	ASE1	YOR058C	N
RXT2	BEM1	YBR200W	N
RXT2	BFA1	YJR053W	N
RXT2	BIK1	YCL029C	N
RXT2	BIM1	YER016W	Y
RXT2	BUB1	YGR188C	N
RXT2	BUB2	YMR055C	N
RXT2	BUB3	YOR026W	N
RXT2	CHL4	YDR254W	N
RXT2	CSM3	YMR048W	N
RXT2	CTF19	YPL018W	N
RXT2	CTF3	YLR381W	N

RXT2	CTF8	YHR191C	N
RXT2	DCC1	YCL016C	N
RXT2	DYN1	YKR054C	N
RXT2	ELP2	YGR200C	N
RXT2	FAB1	YFR019W	N
RXT2	GIM3	YNL153C	Y
RXT2	GIM4	YEL003W	N
RXT2	GIM5	YML094W	N
RXT2	IES2	YNL215W	Y
RXT2	IML3	YBR107C	Y
RXT2	INP52	YNL106C	N
RXT2	JNM1	YMR294W	N
RXT2	KEM1	YGL173C	N
RXT2	KIP3	YGL216W	N
RXT2	MAD1	YGL086W	N
RXT2	MAD2	YJL030W	N
RXT2	MAD3	YJL013C	N
RXT2	MCK1	YNL307C	N
RXT2	MCM21	YDR318W	N
RXT2	MCM22	YJR135C	N
RXT2	MRC1	YCL060C	N
RXT2	NBP2	YDR162C	N
RXT2	NUM1	YDR150W	N
RXT2	PAC1	YOR269W	N
RXT2	PAC11	YDR488C	N
RXT2	PHO23	YNL097C	N
RXT2	PPZ1	YML016C	N
RXT2	RAD54	YGL163C	N
RXT2	RTT103	YDR289C	N
RXT2	SAP30	YMR263W	N
RXT2	SLK19	YOR195W	N
RXT2	SMI1	YGR229C	N
RXT2	VAC14	YLR386W	N
RXT2	VID22	YLR373C	N
RXT2	YDR149C	YDR149C	N
RXT2	YGL211W	YGL211W	N
RXT2	YGL217C	YGL217C	N
RXT2	YML095C-A	YML095C-A	N
RXT2	YNL170W	YNL170W	N
RXT2	YPL017C	YPL017C	N
RXT2	YTA7	YGR270W	N
YDR149C	AOR1	YBR231C	N
YDR149C	ARP1	YHR129C	N
YDR149C	ARP6	YLR085C	N
YDR149C	ASE1	YOR058C	N
YDR149C	BEM1	YBR200W	N
YDR149C	BFA1	YJR053W	N
YDR149C	BIK1	YCL029C	N
YDR149C	BIM1	YER016W	Y
YDR149C	BUB1	YGR188C	N
YDR149C	BUB2	YMR055C	N
YDR149C	BUB3	YOR026W	N
YDR149C	CHL4	YDR254W	N
YDR149C	CSM3	YMR048W	N
YDR149C	CTF19	YPL018W	N
YDR149C	CTF3	YLR381W	N
YDR149C	CTF8	YHR191C	N
YDR149C	DCC1	YCL016C	N
YDR149C	DYN1	YKR054C	N
YDR149C	ELP2	YGR200C	N
YDR149C	FAB1	YFR019W	Y
YDR149C	GIM3	YNL153C	N
YDR149C	GIM4	YEL003W	N
YDR149C	GIM5	YML094W	Y
YDR149C	IES2	YNL215W	N
YDR149C	IML3	YBR107C	N

YDR149C	INP52	YNL106C	N
YDR149C	JNM1	YMR294W	N
YDR149C	KEM1	YGL173C	N
YDR149C	KIP3	YGL216W	Y
YDR149C	MAD1	YGL086W	N
YDR149C	MAD2	YJL030W	N
YDR149C	MAD3	YJL013C	N
YDR149C	MCK1	YNL307C	N
YDR149C	MCM21	YDR318W	N
YDR149C	MCM22	YJR135C	N
YDR149C	MRC1	YCL060C	N
YDR149C	NBP2	YDR162C	Y
YDR149C	NUM1	YDR150W	Y
YDR149C	PAC1	YOR269W	N
YDR149C	PAC11	YDR488C	N
YDR149C	PHO23	YNL097C	N
YDR149C	PPZ1	YML016C	N
YDR149C	RAD54	YGL163C	N
YDR149C	RTT103	YDR289C	N
YDR149C	SAP30	YMR263W	N
YDR149C	SLK19	YOR195W	N
YDR149C	SMI1	YGR229C	N
YDR149C	VAC14	YLR386W	N
YDR149C	VID22	YLR373C	N
YDR149C	RXT2	RXT2	N
YDR149C	YGL211W	YGL211W	N
YDR149C	YGL217C	YGL217C	Y
YDR149C	YML095C-A	YML095C-A	N
YDR149C	YNL170W	YNL170W	N
YDR149C	YPL017C	YPL017C	N
YDR149C	YTA7	YGR270W	N
YGL211w	AOR1	YBR231C	N
YGL211w	ARP1	YHR129C	N
YGL211w	ARP6	YLR085C	N
YGL211w	ASE1	YOR058C	N
YGL211w	BEM1	YBR200W	Y
YGL211w	BFA1	YJR053W	N
YGL211w	BIK1	YCL029C	N
YGL211w	BIM1	YER016W	Y
YGL211w	BUB1	YGR188C	N
YGL211w	BUB2	YMR055C	N
YGL211w	BUB3	YOR026W	N
YGL211w	CHL4	YDR254W	N
YGL211w	CSM3	YMR048W	N
YGL211w	CTF19	YPL018W	N
YGL211w	CTF3	YLR381W	N
YGL211w	CTF8	YHR191C	N
YGL211w	DCC1	YCL016C	N
YGL211w	DYN1	YKR054C	N
YGL211w	ELP2	YGR200C	N
YGL211w	FAB1	YFR019W	N
YGL211w	GIM3	YNL153C	N
YGL211w	GIM4	YEL003W	N
YGL211w	GIM5	YML094W	N
YGL211w	IES2	YNL215W	N
YGL211w	IML3	YBR107C	N
YGL211w	INP52	YNL106C	N
YGL211w	JNM1	YMR294W	N
YGL211w	KEM1	YGL173C	Y
YGL211w	KIP3	YGL216W	Y
YGL211w	MAD1	YGL086W	N
YGL211w	MAD2	YJL030W	N
YGL211w	MAD3	YJL013C	N
YGL211w	MCK1	YNL307C	N
YGL211w	MCM21	YDR318W	N
YGL211w	MCM22	YJR135C	N

YGL211w	MRC1	YCL060C	N
YGL211w	NBP2	YDR162C	Y
YGL211w	NUM1	YDR150W	N
YGL211w	PAC1	YOR269W	N
YGL211w	PAC11	YDR488C	N
YGL211w	PHO23	YNL097C	N
YGL211w	PPZ1	YML016C	N
YGL211w	RAD54	YGL163C	N
YGL211w	RTT103	YDR289C	N
YGL211w	SAP30	YMR263W	N
YGL211w	SLK19	YOR195W	N
YGL211w	SMI1	YGR229C	N
YGL211w	VAC14	YLR386W	N
YGL211w	VID22	YLR373C	N
YGL211w	RXT2	RXT2	N
YGL211w	YDR149C	YDR149C	N
YGL211w	YGL217C	YGL217C	Y
YGL211w	YML095C-A	YML095C-A	N
YGL211w	YNL170W	YNL170W	N
YGL211w	YPL017C	YPL017C	N
YGL211w	YTA7	YGR270W	N
YGL217C	AOR1	YBR231C	N
YGL217C	ARP1	YHR129C	Y
YGL217C	ARP6	YLR085C	N
YGL217C	ASE1	YOR058C	N
YGL217C	BEM1	YBR200W	N
YGL217C	BFA1	YJR053W	N
YGL217C	BIK1	YCL029C	N
YGL217C	BIM1	YER016W	Y
YGL217C	BUB1	YGR188C	Y
YGL217C	BUB2	YMR055C	N
YGL217C	BUB3	YOR026W	Y
YGL217C	CHL4	YDR254W	N
YGL217C	CSM3	YMR048W	N
YGL217C	CTF19	YPL018W	N
YGL217C	CTF3	YLR381W	N
YGL217C	CTF8	YHR191C	N
YGL217C	DCC1	YCL016C	N
YGL217C	DYN1	YKR054C	N
YGL217C	ELP2	YGR200C	N
YGL217C	FAB1	YFR019W	N
YGL217C	GIM3	YNL153C	N
YGL217C	GIM4	YEL003W	N
YGL217C	GIM5	YML094W	N
YGL217C	IES2	YNL215W	N
YGL217C	IML3	YBR107C	N
YGL217C	INP52	YNL106C	N
YGL217C	JNM1	YMR294W	Y
YGL217C	KEM1	YGL173C	Y
YGL217C	KIP3	YGL216W	Y
YGL217C	MAD1	YGL086W	N
YGL217C	MAD2	YJL030W	N
YGL217C	MAD3	YJL013C	N
YGL217C	MCK1	YNL307C	N
YGL217C	MCM21	YDR318W	N
YGL217C	MCM22	YJR135C	N
YGL217C	MRC1	YCL060C	N
YGL217C	NBP2	YDR162C	Y
YGL217C	NUM1	YDR150W	Y
YGL217C	PAC1	YOR269W	Y
YGL217C	PAC11	YDR488C	N
YGL217C	PHO23	YNL097C	N
YGL217C	PPZ1	YML016C	N
YGL217C	RAD54	YGL163C	N
YGL217C	RTT103	YDR289C	N
YGL217C	SAP30	YMR263W	N

YGL217C	SLK19	YOR195W	N
YGL217C	SMI1	YGR229C	N
YGL217C	VAC14	YLR386W	N
YGL217C	VID22	YLR373C	N
YGL217C	RXT2	RXT2	N
YGL217C	YDR149C	YDR149C	Y
YGL217C	YGL211W	YGL211W	Y
YGL217C	YML095C-A	YML095C-A	N
YGL217C	YNL170W	YNL170W	N
YGL217C	YPL017C	YPL017C	N
YGL217C	YTA7	YGR270W	N
YML095C-A	AOR1	YBR231C	Y
YML095C-A	ARP1	YHR129C	Y
YML095C-A	ARP6	YLR085C	Y
YML095C-A	ASE1	YOR058C	Y
YML095C-A	BEM1	YBR200W	Y
YML095C-A	BFA1	YJR053W	Y
YML095C-A	BIK1	YCL029C	Y
YML095C-A	BIM1	YER016W	Y
YML095C-A	BUB1	YGR188C	Y
YML095C-A	BUB2	YMR055C	Y
YML095C-A	BUB3	YOR026W	Y
YML095C-A	CHL4	YDR254W	N
YML095C-A	CSM3	YMR048W	N
YML095C-A	CTF19	YPL018W	Y
YML095C-A	CTF3	YLR381W	N
YML095C-A	CTF8	YHR191C	Y
YML095C-A	DCC1	YCL016C	Y
YML095C-A	DYN1	YKR054C	Y
YML095C-A	ELP2	YGR200C	N
YML095C-A	FAB1	YFR019W	Y
YML095C-A	GIM3	YNL153C	N
YML095C-A	GIM4	YEL003W	N
YML095C-A	GIM5	YML094W	Y
YML095C-A	IES2	YNL215W	N
YML095C-A	IML3	YBR107C	N
YML095C-A	INP52	YNL106C	Y
YML095C-A	JNM1	YMR294W	Y
YML095C-A	KEM1	YGL173C	Y
YML095C-A	KIP3	YGL216W	N
YML095C-A	MAD1	YGL086W	Y
YML095C-A	MAD2	YJL030W	Y
YML095C-A	MAD3	YJL013C	N
YML095C-A	MCK1	YNL307C	N
YML095C-A	MCM21	YDR318W	Y
YML095C-A	MCM22	YJR135C	N
YML095C-A	MRC1	YCL060C	N
YML095C-A	NBP2	YDR162C	N
YML095C-A	NUM1	YDR150W	Y
YML095C-A	PAC1	YOR269W	N
YML095C-A	PAC11	YDR488C	Y
YML095C-A	PHO23	YNL097C	N
YML095C-A	PPZ1	YML016C	N
YML095C-A	RAD54	YGL163C	N
YML095C-A	RTT103	YDR289C	N
YML095C-A	SAP30	YMR263W	N
YML095C-A	SLK19	YOR195W	N
YML095C-A	SMI1	YGR229C	Y
YML095C-A	VAC14	YLR386W	Y
YML095C-A	VID22	YLR373C	N
YML095C-A	RXT2	RXT2	N
YML095C-A	YDR149C	YDR149C	Y
YML095C-A	YGL211W	YGL211W	N
YML095C-A	YGL217C	YGL217C	N
YML095C-A	YNL170W	YNL170W	N
YML095C-A	YPL017C	YPL017C	N

YML095C-A	YTA7	YGR270W	N
YNL170W	AOR1	YBR231C	N
YNL170W	ARP1	YHR129C	N
YNL170W	ARP6	YLR085C	N
YNL170W	ASE1	YOR058C	N
YNL170W	BEM1	YBR200W	N
YNL170W	BFA1	YJR053W	N
YNL170W	BIK1	YCL029C	N
YNL170W	BIM1	YER016W	Y
YNL170W	BUB1	YGR188C	N
YNL170W	BUB2	YMR055C	N
YNL170W	BUB3	YOR026W	N
YNL170W	CHL4	YDR254W	N
YNL170W	CSM3	YMR048W	N
YNL170W	CTF19	YPL018W	N
YNL170W	CTF3	YLR381W	N
YNL170W	CTF8	YHR191C	N
YNL170W	DCC1	YCL016C	N
YNL170W	DYN1	YKR054C	N
YNL170W	ELP2	YGR200C	N
YNL170W	FAB1	YFR019W	N
YNL170W	GIM3	YNL153C	Y
YNL170W	GIM4	YEL003W	N
YNL170W	GIM5	YML094W	N
YNL170W	IES2	YNL215W	Y
YNL170W	IML3	YBR107C	N
YNL170W	INP52	YNL106C	Y
YNL170W	JNM1	YMR294W	N
YNL170W	KEM1	YGL173C	N
YNL170W	KIP3	YGL216W	N
YNL170W	MAD1	YGL086W	N
YNL170W	MAD2	YJL030W	N
YNL170W	MAD3	YJL013C	N
YNL170W	MCK1	YNL307C	N
YNL170W	MCM21	YDR318W	N
YNL170W	MCM22	YJR135C	N
YNL170W	MRC1	YCL060C	N
YNL170W	NBP2	YDR162C	Y
YNL170W	NUM1	YDR150W	N
YNL170W	PAC1	YOR269W	N
YNL170W	PAC11	YDR488C	N
YNL170W	PHO23	YNL097C	N
YNL170W	PPZ1	YML016C	N
YNL170W	RAD54	YGL163C	N
YNL170W	RTT103	YDR289C	N
YNL170W	SAP30	YMR263W	N
YNL170W	SLK19	YOR195W	N
YNL170W	SMI1	YGR229C	N
YNL170W	VAC14	YLR386W	N
YNL170W	VID22	YLR373C	Y
YNL170W	RXT2	RXT2	N
YNL170W	YDR149C	YDR149C	N
YNL170W	YGL211W	YGL211W	N
YNL170W	YGL217C	YGL217C	N
YNL170W	YML095C-A	YML095C-A	N
YNL170W	YPL017C	YPL017C	N
YNL170W	YTA7	YGR270W	N
YPL017C	AOR1	YBR231C	N
YPL017C	ARP1	YHR129C	N
YPL017C	ARP6	YLR085C	N
YPL017C	ASE1	YOR058C	N
YPL017C	BEM1	YBR200W	N
YPL017C	BFA1	YJR053W	N
YPL017C	BIK1	YCL029C	N
YPL017C	BIM1	YER016W	Y
YPL017C	BUB1	YGR188C	N

YPL017C	BUB2	YMR055C	N
YPL017C	BUB3	YOR026W	N
YPL017C	CHL4	YDR254W	N
YPL017C	CSM3	YMR048W	N
YPL017C	CTF19	YPL018W	Y
YPL017C	CTF3	YLR381W	N
YPL017C	CTF8	YHR191C	N
YPL017C	DCC1	YCL016C	N
YPL017C	DYN1	YKR054C	N
YPL017C	ELP2	YGR200C	N
YPL017C	FAB1	YFR019W	N
YPL017C	GIM3	YNL153C	N
YPL017C	GIM4	YEL003W	N
YPL017C	GIM5	YML094W	N
YPL017C	IES2	YNL215W	N
YPL017C	IML3	YBR107C	N
YPL017C	INP52	YNL106C	N
YPL017C	JNM1	YMR294W	N
YPL017C	KEM1	YGL173C	N
YPL017C	KIP3	YGL216W	N
YPL017C	MAD1	YGL086W	N
YPL017C	MAD2	YJL030W	N
YPL017C	MAD3	YJL013C	N
YPL017C	MCK1	YNL307C	N
YPL017C	MCM21	YDR318W	N
YPL017C	MCM22	YJR135C	N
YPL017C	MRC1	YCL060C	N
YPL017C	NBP2	YDR162C	N
YPL017C	NUM1	YDR150W	N
YPL017C	PAC1	YOR269W	N
YPL017C	PAC11	YDR488C	N
YPL017C	PHO23	YNL097C	N
YPL017C	PPZ1	YML016C	N
YPL017C	RAD54	YGL163C	N
YPL017C	RTT103	YDR289C	N
YPL017C	SAP30	YMR263W	N
YPL017C	SLK19	YOR195W	N
YPL017C	SMI1	YGR229C	N
YPL017C	VAC14	YLR386W	N
YPL017C	VID22	YLR373C	N
YPL017C	RXT2	RXT2	N
YPL017C	YDR149C	YDR149C	N
YPL017C	YGL211W	YGL211W	N
YPL017C	YGL217C	YGL217C	N
YPL017C	YML095C-A	YML095C-A	N
YPL017C	YNL170W	YNL170W	N
YPL017C	YTA7	YGR270W	N
YTA7	AOR1	YBR231C	Y
YTA7	ARP1	YHR129C	N
YTA7	ARP6	YLR085C	Y
YTA7	ASE1	YOR058C	N
YTA7	BEM1	YBR200W	N
YTA7	BFA1	YJR053W	N
YTA7	BIK1	YCL029C	N
YTA7	BIM1	YER016W	Y
YTA7	BUB1	YGR188C	Y
YTA7	BUB2	YMR055C	N
YTA7	BUB3	YOR026W	Y
YTA7	CHL4	YDR254W	N
YTA7	CSM3	YMR048W	N
YTA7	CTF19	YPL018W	N
YTA7	CTF3	YLR381W	N
YTA7	CTF8	YHR191C	N
YTA7	DCC1	YCL016C	N
YTA7	DYN1	YKR054C	N
YTA7	ELP2	YGR200C	N

YTA7	FAB1	YFR019W	N
YTA7	GIM3	YNL153C	N
YTA7	GIM4	YEL003W	N
YTA7	GIM5	YML094W	Y
YTA7	IES2	YNL215W	N
YTA7	IML3	YBR107C	N
YTA7	INP52	YNL106C	N
YTA7	JNM1	YMR294W	N
YTA7	KEM1	YGL173C	N
YTA7	KIP3	YGL216W	N
YTA7	MAD1	YGL086W	N
YTA7	MAD2	YJL030W	N
YTA7	MAD3	YJL013C	N
YTA7	MCK1	YNL307C	N
YTA7	MCM21	YDR318W	N
YTA7	MCM22	YJR135C	N
YTA7	MRC1	YCL060C	N
YTA7	NBP2	YDR162C	N
YTA7	NUM1	YDR150W	N
YTA7	PAC1	YOR269W	N
YTA7	PAC11	YDR488C	N
YTA7	PHO23	YNL097C	N
YTA7	PPZ1	YML016C	N
YTA7	RAD54	YGL163C	N
YTA7	RTT103	YDR289C	N
YTA7	SAP30	YMR263W	N
YTA7	SLK19	YOR195W	N
YTA7	SMI1	YGR229C	N
YTA7	VAC14	YLR386W	N
YTA7	VID22	YLR373C	N
YTA7	RXT2	RXT2	N
YTA7	YDR149C	YDR149C	N
YTA7	YGL211W	YGL211W	N
YTA7	YGL217C	YGL217C	N
YTA7	YML095C-A	YML095C-A	N
YTA7	YNL170W	YNL170W	N
YTA7	YPL017C	YPL017C	N
BUD27	CAC2	YML102W	N
BUD27	CSM3	YMR048W	N
BUD27	CTF4	YPR135W	N
BUD27	DDC1	YPL194W	N
BUD27	DOC1	YGL240W	N
BUD27	ESC2	YDR363W	N
BUD27	EXO1	YOR033C	N
BUD27	HPC2	YBR215W	N
BUD27	HPR5	YJL092W	N
BUD27	HST1	YOL068C	N
BUD27	HST3	YOR025W	N
BUD27	LYS7	YMR038C	N
BUD27	MMS4	YBR098W	N
BUD27	MRE11	YMR224C	N
BUD27	MUS81	YDR386W	N
BUD27	RAD17	YOR368W	N
BUD27	RAD24	YER173W	N
BUD27	RAD27	YKL113C	Y
BUD27	RAD50	YNL250W	N
BUD27	RAD51	YER095W	N
BUD27	RAD52	YML032C	N
BUD27	RAD54	YGL163C	N
BUD27	RAD55	YDR076W	N
BUD27	RAD57	YDR004W	N
BUD27	RAD9	YDR217C	N
BUD27	RPL27A	YHR010W	N
BUD27	RPS30B	YOR182C	N
BUD27	SAE2	YGL175C	N
BUD27	SGS1	YMR190C	N

BUD27	SIS2	YKR072C	N
BUD27	SOD1	YJR104C	Y
BUD27	XRS2	YDR369C	N
BUD27	YDJ1	YNL064C	Y
BUD27	YLR352W	YLR352W	N
BUD27	YNL171C	YNL171C	N
BUD27	YPR116W	YPR116W	N/D
CAC2	BUD27	YFL023W	N
CAC2	CSM3	YMR048W	N
CAC2	CTF4	YPR135W	N
CAC2	DDC1	YPL194W	N
CAC2	DOC1	YGL240W	N
CAC2	ESC2	YDR363W	N
CAC2	EXO1	YOR033C	N
CAC2	HPC2	YBR215W	N
CAC2	HPR5	YJL092W	N
CAC2	HST1	YOL068C	N
CAC2	HST3	YOR025W	N
CAC2	LYS7	YMR038C	N
CAC2	MMS4	YBR098W	N
CAC2	MRE11	YMR224C	Y
CAC2	MUS81	YDR386W	N
CAC2	RAD17	YOR368W	N
CAC2	RAD24	YER173W	N
CAC2	RAD27	YKL113C	Y
CAC2	RAD50	YNL250W	N
CAC2	RAD51	YER095W	N
CAC2	RAD52	YML032C	N
CAC2	RAD54	YGL163C	N
CAC2	RAD55	YDR076W	N
CAC2	RAD57	YDR004W	N
CAC2	RAD9	YDR217C	N
CAC2	RPL27A	YHR010W	N
CAC2	RPS30B	YOR182C	N
CAC2	SAE2	YGL175C	N
CAC2	SGS1	YMR190C	N
CAC2	SIS2	YKR072C	N
CAC2	SOD1	YJR104C	N
CAC2	XRS2	YDR369C	Y
CAC2	YDJ1	YNL064C	N
CAC2	YLR352W	YLR352W	N
CAC2	YNL171C	YNL171C	Y
CAC2	YPR116W	YPR116W	N/D
CSM3	BUD27	YFL023W	N
CSM3	CAC2	YML102W	N
CSM3	CTF4	YPR135W	Y
CSM3	DDC1	YPL194W	N
CSM3	DOC1	YGL240W	N
CSM3	ESC2	YDR363W	N
CSM3	EXO1	YOR033C	N
CSM3	HPC2	YBR215W	N
CSM3	HPR5	YJL092W	Y
CSM3	HST1	YOL068C	N
CSM3	HST3	YOR025W	N
CSM3	LYS7	YMR038C	Y
CSM3	MMS4	YBR098W	N
CSM3	MRE11	YMR224C	N
CSM3	MUS81	YDR386W	N
CSM3	RAD17	YOR368W	N
CSM3	RAD24	YER173W	N
CSM3	RAD27	YKL113C	Y
CSM3	RAD50	YNL250W	N
CSM3	RAD51	YER095W	N
CSM3	RAD52	YML032C	N
CSM3	RAD54	YGL163C	N
CSM3	RAD55	YDR076W	N

CSM3	RAD57	YDR004W	N
CSM3	RAD9	YDR217C	N
CSM3	RPL27A	YHR010W	N
CSM3	RPS30B	YOR182C	N
CSM3	SAE2	YGL175C	N
CSM3	SGS1	YMR190C	Y
CSM3	SIS2	YKR072C	N
CSM3	SOD1	YJR104C	N
CSM3	XRS2	YDR369C	N
CSM3	YDJ1	YNL064C	N
CSM3	YLR352W	YLR352W	N
CSM3	YNL171C	YNL171C	Y
CSM3	YPR116W	YPR116W	N/D
CTF4	BUD27	YFL023W	N
CTF4	CAC2	YML102W	Y
CTF4	CSM3	YMR048W	Y
CTF4	DDC1	YPL194W	N
CTF4	DOC1	YGL240W	N
CTF4	ESC2	YDR363W	N
CTF4	EXO1	YOR033C	N
CTF4	HPC2	YBR215W	N
CTF4	HPR5	YJL092W	Y
CTF4	HST1	YOL068C	N
CTF4	HST3	YOR025W	N
CTF4	LYS7	YMR038C	N
CTF4	MMS4	YBR098W	N
CTF4	MRE11	YMR224C	Y
CTF4	MUS81	YDR386W	N
CTF4	RAD17	YOR368W	N
CTF4	RAD24	YER173W	N
CTF4	RAD27	YKL113C	Y
CTF4	RAD50	YNL250W	Y
CTF4	RAD51	YER095W	N
CTF4	RAD52	YML032C	N
CTF4	RAD54	YGL163C	N
CTF4	RAD55	YDR076W	N
CTF4	RAD57	YDR004W	N
CTF4	RAD9	YDR217C	N
CTF4	RPL27A	YHR010W	Y
CTF4	RPS30B	YOR182C	N
CTF4	SAE2	YGL175C	N
CTF4	SGS1	YMR190C	N
CTF4	SIS2	YKR072C	N
CTF4	SOD1	YJR104C	Y
CTF4	XRS2	YDR369C	Y
CTF4	YDJ1	YNL064C	N
CTF4	YLR352W	YLR352W	N
CTF4	YNL171C	YNL171C	Y
CTF4	YPR116W	YPR116W	N/D
DDC1	BUD27	YFL023W	N
DDC1	CAC2	YML102W	N
DDC1	CSM3	YMR048W	N
DDC1	CTF4	YPR135W	N
DDC1	DOC1	YGL240W	N
DDC1	ESC2	YDR363W	N
DDC1	EXO1	YOR033C	N
DDC1	HPC2	YBR215W	N
DDC1	HPR5	YJL092W	N
DDC1	HST1	YOL068C	N
DDC1	HST3	YOR025W	N
DDC1	LYS7	YMR038C	N
DDC1	MMS4	YBR098W	N
DDC1	MRE11	YMR224C	N
DDC1	MUS81	YDR386W	N
DDC1	RAD17	YOR368W	N
DDC1	RAD24	YER173W	N

DDC1	RAD27	YKL113C	Y
DDC1	RAD50	YNL250W	N
DDC1	RAD51	YER095W	N
DDC1	RAD52	YML032C	N
DDC1	RAD54	YGL163C	N
DDC1	RAD55	YDR076W	N
DDC1	RAD57	YDR004W	N
DDC1	RAD9	YDR217C	N
DDC1	RPL27A	YHR010W	N
DDC1	RPS30B	YOR182C	N
DDC1	SAE2	YGL175C	N
DDC1	SGS1	YMR190C	N
DDC1	SIS2	YKR072C	N
DDC1	SOD1	YJR104C	Y
DDC1	XRS2	YDR369C	N
DDC1	YDJ1	YNL064C	N
DDC1	YLR352W	YLR352W	N
DDC1	YNL171C	YNL171C	N
DDC1	YPR116W	YPR116W	N/D
DOC1	BUD27	YFL023W	N
DOC1	CAC2	YML102W	N
DOC1	CSM3	YMR048W	N
DOC1	CTF4	YPR135W	Y
DOC1	DDC1	YPL194W	N
DOC1	ESC2	YDR363W	N
DOC1	EXO1	YOR033C	N
DOC1	HPC2	YBR215W	N
DOC1	HPR5	YJL092W	Y
DOC1	HST1	YOL068C	N
DOC1	HST3	YOR025W	N
DOC1	LYS7	YMR038C	N
DOC1	MMS4	YBR098W	N
DOC1	MRE11	YMR224C	Y
DOC1	MUS81	YDR386W	N
DOC1	RAD17	YOR368W	N
DOC1	RAD24	YER173W	N
DOC1	RAD27	YKL113C	Y
DOC1	RAD50	YNL250W	N
DOC1	RAD51	YER095W	N
DOC1	RAD52	YML032C	Y
DOC1	RAD54	YGL163C	N
DOC1	RAD55	YDR076W	N
DOC1	RAD57	YDR004W	N
DOC1	RAD9	YDR217C	N
DOC1	RPL27A	YHR010W	Y
DOC1	RPS30B	YOR182C	N
DOC1	SAE2	YGL175C	N
DOC1	SGS1	YMR190C	N
DOC1	SIS2	YKR072C	N
DOC1	SOD1	YJR104C	N
DOC1	XRS2	YDR369C	N
DOC1	YDJ1	YNL064C	N
DOC1	YLR352W	YLR352W	N
DOC1	YNL171C	YNL171C	Y
DOC1	YPR116W	YPR116W	N/D
ESC2	BUD27	YFL023W	N
ESC2	CAC2	YML102W	N
ESC2	CSM3	YMR048W	N
ESC2	CTF4	YPR135W	N
ESC2	DDC1	YPL194W	N
ESC2	DOC1	YGL240W	N
ESC2	EXO1	YOR033C	N
ESC2	HPC2	YBR215W	Y
ESC2	HPR5	YJL092W	Y
ESC2	HST1	YOL068C	N
ESC2	HST3	YOR025W	N

ESC2	LYS7	YMR038C	Y
ESC2	MMS4	YBR098W	Y
ESC2	MRE11	YMR224C	N
ESC2	MUS81	YDR386W	Y
ESC2	RAD17	YOR368W	N
ESC2	RAD24	YER173W	N
ESC2	RAD27	YKL113C	Y
ESC2	RAD50	YNL250W	N
ESC2	RAD51	YER095W	N
ESC2	RAD52	YML032C	N
ESC2	RAD54	YGL163C	N
ESC2	RAD55	YDR076W	N
ESC2	RAD57	YDR004W	N
ESC2	RAD9	YDR217C	N
ESC2	RPL27A	YHR010W	N
ESC2	RPS30B	YOR182C	N
ESC2	SAE2	YGL175C	N
ESC2	SGS1	YMR190C	Y
ESC2	SIS2	YKR072C	N
ESC2	SOD1	YJR104C	N
ESC2	XRS2	YDR369C	Y
ESC2	YDJ1	YNL064C	N
ESC2	YLR352W	YLR352W	N
ESC2	YNL171C	YNL171C	N
ESC2	YPR116W	YPR116W	N/D
EXO1	BUD27	YFL023W	N
EXO1	CAC2	YML102W	N
EXO1	CSM3	YMR048W	N
EXO1	CTF4	YPR135W	N
EXO1	DDC1	YPL194W	N
EXO1	DOC1	YGL240W	N
EXO1	ESC2	YDR363W	N
EXO1	HPC2	YBR215W	N
EXO1	HPR5	YJL092W	N
EXO1	HST1	YOL068C	N
EXO1	HST3	YOR025W	Y
EXO1	LYS7	YMR038C	N
EXO1	MMS4	YBR098W	N
EXO1	MRE11	YMR224C	N
EXO1	MUS81	YDR386W	N
EXO1	RAD17	YOR368W	N
EXO1	RAD24	YER173W	N
EXO1	RAD27	YKL113C	Y
EXO1	RAD50	YNL250W	N
EXO1	RAD51	YER095W	N
EXO1	RAD52	YML032C	N
EXO1	RAD54	YGL163C	N
EXO1	RAD55	YDR076W	N
EXO1	RAD57	YDR004W	N
EXO1	RAD9	YDR217C	N
EXO1	RPL27A	YHR010W	N
EXO1	RPS30B	YOR182C	N
EXO1	SAE2	YGL175C	N
EXO1	SGS1	YMR190C	N
EXO1	SIS2	YKR072C	N
EXO1	SOD1	YJR104C	N
EXO1	XRS2	YDR369C	N
EXO1	YDJ1	YNL064C	N
EXO1	YLR352W	YLR352W	N
EXO1	YNL171C	YNL171C	N
EXO1	YPR116W	YPR116W	N/D
HPC2	BUD27	YFL023W	N
HPC2	CAC2	YML102W	Y
HPC2	CSM3	YMR048W	N
HPC2	CTF4	YPR135W	N
HPC2	DDC1	YPL194W	N

HPC2	DOC1	YGL240W	N
HPC2	ESC2	YDR363W	N
HPC2	EXO1	YOR033C	N
HPC2	HPR5	YJL092W	N
HPC2	HST1	YOL068C	N
HPC2	HST3	YOR025W	N
HPC2	LYS7	YMR038C	N
HPC2	MMS4	YBR098W	N
HPC2	MRE11	YMR224C	N
HPC2	MUS81	YDR386W	N
HPC2	RAD17	YOR368W	N
HPC2	RAD24	YER173W	N
HPC2	RAD27	YKL113C	Y
HPC2	RAD50	YNL250W	Y
HPC2	RAD51	YER095W	N
HPC2	RAD52	YML032C	N
HPC2	RAD54	YGL163C	N
HPC2	RAD55	YDR076W	N
HPC2	RAD57	YDR004W	N
HPC2	RAD9	YDR217C	N
HPC2	RPL27A	YHR010W	N
HPC2	RPS30B	YOR182C	N
HPC2	SAE2	YGL175C	N
HPC2	SGS1	YMR190C	N
HPC2	SIS2	YKR072C	N
HPC2	SOD1	YJR104C	Y
HPC2	XRS2	YDR369C	N
HPC2	YDJ1	YNL064C	N
HPC2	YLR352W	YLR352W	N
HPC2	YNL171C	YNL171C	N
HPC2	YPR116W	YPR116W	N/D
HPR5	BUD27	YFL023W	N
HPR5	CAC2	YML102W	N
HPR5	CSM3	YMR048W	Y
HPR5	CTF4	YPR135W	Y
HPR5	DDC1	YPL194W	N
HPR5	DOC1	YGL240W	N
HPR5	ESC2	YDR363W	Y
HPR5	EXO1	YOR033C	N
HPR5	HPC2	YBR215W	N
HPR5	HST1	YOL068C	N
HPR5	HST3	YOR025W	N
HPR5	LYS7	YMR038C	N
HPR5	MMS4	YBR098W	N
HPR5	MRE11	YMR224C	N
HPR5	MUS81	YDR386W	N
HPR5	RAD17	YOR368W	N
HPR5	RAD24	YER173W	N
HPR5	RAD27	YKL113C	Y
HPR5	RAD50	YNL250W	N
HPR5	RAD51	YER095W	N
HPR5	RAD52	YML032C	N
HPR5	RAD54	YGL163C	Y
HPR5	RAD55	YDR076W	N
HPR5	RAD57	YDR004W	N
HPR5	RAD9	YDR217C	N
HPR5	RPL27A	YHR010W	N
HPR5	RPS30B	YOR182C	N
HPR5	SAE2	YGL175C	N
HPR5	SGS1	YMR190C	Y
HPR5	SIS2	YKR072C	N
HPR5	SOD1	YJR104C	N
HPR5	XRS2	YDR369C	Y
HPR5	YDJ1	YNL064C	N
HPR5	YLR352W	YLR352W	N
HPR5	YNL171C	YNL171C	N

HPR5	YPR116W	YPR116W	N/D
HST1	BUD27	YFL023W	N
HST1	CAC2	YML102W	N
HST1	CSM3	YMR048W	N
HST1	CTF4	YPR135W	N
HST1	DDC1	YPL194W	N
HST1	DOC1	YGL240W	N
HST1	ESC2	YDR363W	N
HST1	EXO1	YOR033C	N
HST1	HPC2	YBR215W	N
HST1	HPR5	YJL092W	N
HST1	HST3	YOR025W	N
HST1	LYS7	YMR038C	N
HST1	MMS4	YBR098W	N
HST1	MRE11	YMR224C	N
HST1	MUS81	YDR386W	N
HST1	RAD17	YOR368W	N
HST1	RAD24	YER173W	N
HST1	RAD27	YKL113C	Y
HST1	RAD50	YNL250W	N
HST1	RAD51	YER095W	N
HST1	RAD52	YML032C	N
HST1	RAD54	YGL163C	N
HST1	RAD55	YDR076W	N
HST1	RAD57	YDR004W	N
HST1	RAD9	YDR217C	N
HST1	RPL27A	YHR010W	N
HST1	RPS30B	YOR182C	N
HST1	SAE2	YGL175C	N
HST1	SGS1	YMR190C	N
HST1	SIS2	YKR072C	N
HST1	SOD1	YJR104C	N
HST1	XRS2	YDR369C	N
HST1	YDJ1	YNL064C	N
HST1	YLR352W	YLR352W	N
HST1	YNL171C	YNL171C	Y
HST1	YPR116W	YPR116W	N/D
HST3	BUD27	YFL023W	N
HST3	CAC2	YML102W	N
HST3	CSM3	YMR048W	Y
HST3	CTF4	YPR135W	N
HST3	DDC1	YPL194W	N
HST3	DOC1	YGL240W	N
HST3	ESC2	YDR363W	N
HST3	EXO1	YOR033C	Y
HST3	HPC2	YBR215W	N
HST3	HPR5	YJL092W	N
HST3	HST1	YOL068C	N
HST3	LYS7	YMR038C	N
HST3	MMS4	YBR098W	N
HST3	MRE11	YMR224C	N
HST3	MUS81	YDR386W	N
HST3	RAD17	YOR368W	N
HST3	RAD24	YER173W	N
HST3	RAD27	YKL113C	Y
HST3	RAD50	YNL250W	N
HST3	RAD51	YER095W	N
HST3	RAD52	YML032C	N
HST3	RAD54	YGL163C	N
HST3	RAD55	YDR076W	N
HST3	RAD57	YDR004W	N
HST3	RAD9	YDR217C	N
HST3	RPL27A	YHR010W	N
HST3	RPS30B	YOR182C	N
HST3	SAE2	YGL175C	N
HST3	SGS1	YMR190C	N

HST3	SIS2	YKR072C	N
HST3	SOD1	YJR104C	N
HST3	XRS2	YDR369C	N
HST3	YDJ1	YNL064C	N
HST3	YLR352W	YLR352W	N
HST3	YNL171C	YNL171C	N
HST3	YPR116W	YPR116W	N/D
LYS7	BUD27	YFL023W	N
LYS7	CAC2	YML102W	N
LYS7	CSM3	YMR048W	Y
LYS7	CTF4	YPR135W	N
LYS7	DDC1	YPL194W	N
LYS7	DOC1	YGL240W	N
LYS7	ESC2	YDR363W	N
LYS7	EXO1	YOR033C	N
LYS7	HPC2	YBR215W	N
LYS7	HPR5	YJL092W	N
LYS7	HST1	YOL068C	N
LYS7	HST3	YOR025W	N
LYS7	MMS4	YBR098W	N
LYS7	MRE11	YMR224C	Y
LYS7	MUS81	YDR386W	N
LYS7	RAD17	YOR368W	N
LYS7	RAD24	YER173W	N
LYS7	RAD27	YKL113C	Y
LYS7	RAD50	YNL250W	Y
LYS7	RAD51	YER095W	Y
LYS7	RAD52	YML032C	Y
LYS7	RAD54	YGL163C	Y
LYS7	RAD55	YDR076W	N/D
LYS7	RAD57	YDR004W	N
LYS7	RAD9	YDR217C	N
LYS7	RPL27A	YHR010W	N
LYS7	RPS30B	YOR182C	N
LYS7	SAE2	YGL175C	N
LYS7	SGS1	YMR190C	N
LYS7	SIS2	YKR072C	N
LYS7	SOD1	YJR104C	N
LYS7	XRS2	YDR369C	Y
LYS7	YDJ1	YNL064C	N
LYS7	YLR352W	YLR352W	N
LYS7	YNL171C	YNL171C	N
LYS7	YPR116W	YPR116W	N/D
MMS4	BUD27	YFL023W	N
MMS4	CAC2	YML102W	N
MMS4	CSM3	YMR048W	N
MMS4	CTF4	YPR135W	N
MMS4	DDC1	YPL194W	N
MMS4	DOC1	YGL240W	N
MMS4	ESC2	YDR363W	Y
MMS4	EXO1	YOR033C	N
MMS4	HPC2	YBR215W	N
MMS4	HPR5	YJL092W	N
MMS4	HST1	YOL068C	N
MMS4	HST3	YOR025W	N
MMS4	LYS7	YMR038C	N
MMS4	MRE11	YMR224C	N
MMS4	MUS81	YDR386W	N
MMS4	RAD17	YOR368W	N
MMS4	RAD24	YER173W	N
MMS4	RAD27	YKL113C	Y
MMS4	RAD50	YNL250W	N
MMS4	RAD51	YER095W	N
MMS4	RAD52	YML032C	N
MMS4	RAD54	YGL163C	N
MMS4	RAD55	YDR076W	N

MMS4	RAD57	YDR004W	N
MMS4	RAD9	YDR217C	N
MMS4	RPL27A	YHR010W	N
MMS4	RPS30B	YOR182C	N
MMS4	SAE2	YGL175C	N
MMS4	SGS1	YMR190C	Y
MMS4	SIS2	YKR072C	N
MMS4	SOD1	YJR104C	N
MMS4	XRS2	YDR369C	N
MMS4	YDJ1	YNL064C	N
MMS4	YLR352W	YLR352W	N
MMS4	YNL171C	YNL171C	N
MMS4	YPR116W	YPR116W	N/D
MRE11	BUD27	YFL023W	N
MRE11	CAC2	YML102W	Y
MRE11	CSM3	YMR048W	N
MRE11	CTF4	YPR135W	Y
MRE11	DDC1	YPL194W	N
MRE11	DOC1	YGL240W	N
MRE11	ESC2	YDR363W	N
MRE11	EXO1	YOR033C	Y
MRE11	HPC2	YBR215W	N
MRE11	HPR5	YJL092W	Y
MRE11	HST1	YOL068C	N
MRE11	HST3	YOR025W	N
MRE11	LYS7	YMR038C	Y
MRE11	MMS4	YBR098W	N
MRE11	MUS81	YDR386W	N
MRE11	RAD17	YOR368W	N
MRE11	RAD24	YER173W	N
MRE11	RAD27	YKL113C	Y
MRE11	RAD50	YNL250W	N
MRE11	RAD51	YER095W	N
MRE11	RAD52	YML032C	N
MRE11	RAD54	YGL163C	N
MRE11	RAD55	YDR076W	N
MRE11	RAD57	YDR004W	N
MRE11	RAD9	YDR217C	N
MRE11	RPL27A	YHR010W	Y
MRE11	RPS30B	YOR182C	N
MRE11	SAE2	YGL175C	N
MRE11	SGS1	YMR190C	Y
MRE11	SIS2	YKR072C	N
MRE11	SOD1	YJR104C	Y
MRE11	XRS2	YDR369C	N
MRE11	YDJ1	YNL064C	Y
MRE11	YLR352W	YLR352W	N
MRE11	YNL171C	YNL171C	Y
MRE11	YPR116W	YPR116W	N/D
MUS81	BUD27	YFL023W	N
MUS81	CAC2	YML102W	N
MUS81	CSM3	YMR048W	N
MUS81	CTF4	YPR135W	N
MUS81	DDC1	YPL194W	N
MUS81	DOC1	YGL240W	N
MUS81	ESC2	YDR363W	Y
MUS81	EXO1	YOR033C	N
MUS81	HPC2	YBR215W	N
MUS81	HPR5	YJL092W	N
MUS81	HST1	YOL068C	N
MUS81	HST3	YOR025W	N
MUS81	LYS7	YMR038C	Y
MUS81	MMS4	YBR098W	N
MUS81	MRE11	YMR224C	N
MUS81	RAD17	YOR368W	N
MUS81	RAD24	YER173W	N

MUS81	RAD27	YKL113C	Y
MUS81	RAD50	YNL250W	N
MUS81	RAD51	YER095W	N
MUS81	RAD52	YML032C	N
MUS81	RAD54	YGL163C	N
MUS81	RAD55	YDR076W	N
MUS81	RAD57	YDR004W	N
MUS81	RAD9	YDR217C	N
MUS81	RPL27A	YHR010W	N
MUS81	RPS30B	YOR182C	N
MUS81	SAE2	YGL175C	N
MUS81	SGS1	YMR190C	Y
MUS81	SIS2	YKR072C	N
MUS81	SOD1	YJR104C	Y
MUS81	XRS2	YDR369C	Y
MUS81	YDJ1	YNL064C	N
MUS81	YLR352W	YLR352W	N
MUS81	YNL171C	YNL171C	N
MUS81	YPR116W	YPR116W	N/D
RAD17	BUD27	YFL023W	N
RAD17	CAC2	YML102W	N
RAD17	CSM3	YMR048W	N
RAD17	CTF4	YPR135W	N
RAD17	DDC1	YPL194W	N
RAD17	DOC1	YGL240W	N
RAD17	ESC2	YDR363W	N
RAD17	EXO1	YOR033C	N
RAD17	HPC2	YBR215W	N
RAD17	HPR5	YJL092W	N
RAD17	HST1	YOL068C	N
RAD17	HST3	YOR025W	N
RAD17	LYS7	YMR038C	N
RAD17	MMS4	YBR098W	N
RAD17	MRE11	YMR224C	N
RAD17	MUS81	YDR386W	N
RAD17	RAD24	YER173W	N
RAD17	RAD27	YKL113C	Y
RAD17	RAD50	YNL250W	N
RAD17	RAD51	YER095W	N
RAD17	RAD52	YML032C	N
RAD17	RAD54	YGL163C	N
RAD17	RAD55	YDR076W	N
RAD17	RAD57	YDR004W	N
RAD17	RAD9	YDR217C	N
RAD17	RPL27A	YHR010W	N
RAD17	RPS30B	YOR182C	N
RAD17	SAE2	YGL175C	N
RAD17	SGS1	YMR190C	N
RAD17	SIS2	YKR072C	N
RAD17	SOD1	YJR104C	N
RAD17	XRS2	YDR369C	N
RAD17	YDJ1	YNL064C	N
RAD17	YLR352W	YLR352W	N
RAD17	YNL171C	YNL171C	N
RAD17	YPR116W	YPR116W	N/D
RAD24	BUD27	YFL023W	N
RAD24	CAC2	YML102W	N
RAD24	CSM3	YMR048W	N
RAD24	CTF4	YPR135W	N
RAD24	DDC1	YPL194W	N
RAD24	DOC1	YGL240W	N
RAD24	ESC2	YDR363W	N
RAD24	EXO1	YOR033C	N
RAD24	HPC2	YBR215W	N
RAD24	HPR5	YJL092W	N
RAD24	HST1	YOL068C	N

RAD24	HST3	YOR025W	N
RAD24	LYS7	YMR038C	N
RAD24	MMS4	YBR098W	N
RAD24	MRE11	YMR224C	N
RAD24	MUS81	YDR386W	N
RAD24	RAD17	YOR368W	N
RAD24	RAD27	YKL113C	Y
RAD24	RAD50	YNL250W	N
RAD24	RAD51	YER095W	N
RAD24	RAD52	YML032C	N
RAD24	RAD54	YGL163C	N
RAD24	RAD55	YDR076W	N
RAD24	RAD57	YDR004W	N
RAD24	RAD9	YDR217C	N
RAD24	RPL27A	YHR010W	N
RAD24	RPS30B	YOR182C	N
RAD24	SAE2	YGL175C	N
RAD24	SGS1	YMR190C	N
RAD24	SIS2	YKR072C	N
RAD24	SOD1	YJR104C	N
RAD24	XRS2	YDR369C	N
RAD24	YDJ1	YNL064C	N
RAD24	YLR352W	YLR352W	N
RAD24	YNL171C	YNL171C	N
RAD24	YPR116W	YPR116W	N/D
RAD27	BUD27	YFL023W	Y
RAD27	CAC2	YML102W	Y
RAD27	CSM3	YMR048W	Y
RAD27	CTF4	YPR135W	Y
RAD27	DDC1	YPL194W	Y
RAD27	DOC1	YGL240W	Y
RAD27	ESC2	YDR363W	Y
RAD27	EXO1	YOR033C	Y
RAD27	HPC2	YBR215W	Y
RAD27	HPR5	YJL092W	Y
RAD27	HST1	YOL068C	Y
RAD27	HST3	YOR025W	Y
RAD27	LYS7	YMR038C	Y
RAD27	MMS4	YBR098W	Y
RAD27	MRE11	YMR224C	Y
RAD27	MUS81	YDR386W	Y
RAD27	RAD17	YOR368W	Y
RAD27	RAD24	YER173W	Y
RAD27	RAD50	YNL250W	Y
RAD27	RAD51	YER095W	Y
RAD27	RAD52	YML032C	Y
RAD27	RAD54	YGL163C	Y
RAD27	RAD55	YDR076W	Y
RAD27	RAD57	YDR004W	Y
RAD27	RAD9	YDR217C	Y
RAD27	RPL27A	YHR010W	Y
RAD27	RPS30B	YOR182C	Y
RAD27	SAE2	YGL175C	Y
RAD27	SGS1	YMR190C	Y
RAD27	SIS2	YKR072C	Y
RAD27	SOD1	YJR104C	Y
RAD27	XRS2	YDR369C	Y
RAD27	YDJ1	YNL064C	Y
RAD27	YLR352W	YLR352W	Y
RAD27	YNL171C	YNL171C	Y
RAD27	YPR116W	YPR116W	Y
RAD50	BUD27	YFL023W	N
RAD50	CAC2	YML102W	Y
RAD50	CSM3	YMR048W	N
RAD50	CTF4	YPR135W	Y
RAD50	DDC1	YPL194W	N

RAD50	DOC1	YGL240W	N
RAD50	ESC2	YDR363W	N
RAD50	EXO1	YOR033C	Y
RAD50	HPC2	YBR215W	Y
RAD50	HPR5	YJL092W	N
RAD50	HST1	YOL068C	N
RAD50	HST3	YOR025W	Y
RAD50	LYS7	YMR038C	Y
RAD50	MMS4	YBR098W	N
RAD50	MRE11	YMR224C	N
RAD50	MUS81	YDR386W	N
RAD50	RAD17	YOR368W	Y
RAD50	RAD24	YER173W	N
RAD50	RAD27	YKL113C	Y
RAD50	RAD51	YER095W	N
RAD50	RAD52	YML032C	N
RAD50	RAD54	YGL163C	N
RAD50	RAD55	YDR076W	Y
RAD50	RAD57	YDR004W	N
RAD50	RAD9	YDR217C	N
RAD50	RPL27A	YHR010W	Y
RAD50	RPS30B	YOR182C	N
RAD50	SAE2	YGL175C	N
RAD50	SGS1	YMR190C	Y
RAD50	SIS2	YKR072C	N
RAD50	SOD1	YJR104C	Y
RAD50	XRS2	YDR369C	N
RAD50	YDJ1	YNL064C	Y
RAD50	YLR352W	YLR352W	N
RAD50	YNL171C	YNL171C	N
RAD50	YPR116W	YPR116W	N/D
RAD51	BUD27	YFL023W	N
RAD51	CAC2	YML102W	N
RAD51	CSM3	YMR048W	N
RAD51	CTF4	YPR135W	N
RAD51	DDC1	YPL194W	N
RAD51	DOC1	YGL240W	N
RAD51	ESC2	YDR363W	N
RAD51	EXO1	YOR033C	N
RAD51	HPC2	YBR215W	N
RAD51	HPR5	YJL092W	N
RAD51	HST1	YOL068C	N
RAD51	HST3	YOR025W	N
RAD51	LYS7	YMR038C	Y
RAD51	MMS4	YBR098W	N
RAD51	MRE11	YMR224C	N
RAD51	MUS81	YDR386W	N
RAD51	RAD17	YOR368W	N
RAD51	RAD24	YER173W	N
RAD51	RAD27	YKL113C	Y
RAD51	RAD50	YNL250W	N
RAD51	RAD52	YML032C	N
RAD51	RAD54	YGL163C	N
RAD51	RAD55	YDR076W	N
RAD51	RAD57	YDR004W	N
RAD51	RAD9	YDR217C	N
RAD51	RPL27A	YHR010W	N
RAD51	RPS30B	YOR182C	N
RAD51	SAE2	YGL175C	N
RAD51	SGS1	YMR190C	N
RAD51	SIS2	YKR072C	N
RAD51	SOD1	YJR104C	Y
RAD51	XRS2	YDR369C	N
RAD51	YDJ1	YNL064C	N
RAD51	YLR352W	YLR352W	N
RAD51	YNL171C	YNL171C	Y

RAD51	YPR116W	YPR116W	N/D
RAD52	BUD27	YFL023W	N
RAD52	CAC2	YML102W	N
RAD52	CSM3	YMR048W	N
RAD52	CTF4	YPR135W	Y
RAD52	DDC1	YPL194W	N
RAD52	DOC1	YGL240W	N
RAD52	ESC2	YDR363W	N
RAD52	EXO1	YOR033C	N
RAD52	HPC2	YBR215W	N
RAD52	HPR5	YJL092W	N
RAD52	HST1	YOL068C	N
RAD52	HST3	YOR025W	N
RAD52	LYS7	YMR038C	Y
RAD52	MMS4	YBR098W	N
RAD52	MRE11	YMR224C	N
RAD52	MUS81	YDR386W	N
RAD52	RAD17	YOR368W	N
RAD52	RAD24	YER173W	N
RAD52	RAD27	YKL113C	Y
RAD52	RAD50	YNL250W	N
RAD52	RAD51	YER095W	N
RAD52	RAD54	YGL163C	N
RAD52	RAD55	YDR076W	N
RAD52	RAD57	YDR004W	N
RAD52	RAD9	YDR217C	N
RAD52	RPL27A	YHR010W	Y
RAD52	RPS30B	YOR182C	N
RAD52	SAE2	YGL175C	N
RAD52	SGS1	YMR190C	N
RAD52	SIS2	YKR072C	N
RAD52	SOD1	YJR104C	Y
RAD52	XRS2	YDR369C	N
RAD52	YDJ1	YNL064C	N
RAD52	YLR352W	YLR352W	N
RAD52	YNL171C	YNL171C	Y
RAD52	YPR116W	YPR116W	N/D
RAD54	BUD27	YFL023W	N/D
RAD54	CAC2	YML102W	N/D
RAD54	CSM3	YMR048W	N/D
RAD54	CTF4	YPR135W	N/D
RAD54	DDC1	YPL194W	N/D
RAD54	DOC1	YGL240W	N/D
RAD54	ESC2	YDR363W	N/D
RAD54	EXO1	YOR033C	N/D
RAD54	HPC2	YBR215W	N/D
RAD54	HPR5	YJL092W	N/D
RAD54	HST1	YOL068C	N/D
RAD54	HST3	YOR025W	N/D
RAD54	LYS7	YMR038C	N/D
RAD54	MMS4	YBR098W	N/D
RAD54	MRE11	YMR224C	N/D
RAD54	MUS81	YDR386W	N/D
RAD54	RAD17	YOR368W	N/D
RAD54	RAD24	YER173W	N/D
RAD54	RAD27	YKL113C	N/D
RAD54	RAD50	YNL250W	N/D
RAD54	RAD51	YER095W	N/D
RAD54	RAD52	YML032C	N/D
RAD54	RAD55	YDR076W	N/D
RAD54	RAD57	YDR004W	N/D
RAD54	RAD9	YDR217C	N/D
RAD54	RPL27A	YHR010W	N/D
RAD54	RPS30B	YOR182C	N/D
RAD54	SAE2	YGL175C	N/D
RAD54	SGS1	YMR190C	N/D

RAD54	SIS2	YKR072C	N/D
RAD54	SOD1	YJR104C	N/D
RAD54	XRS2	YDR369C	N/D
RAD54	YDJ1	YNL064C	N/D
RAD54	YLR352W	YLR352W	N/D
RAD54	YNL171C	YNL171C	N/D
RAD54	YPR116W	YPR116W	N/D
RAD55	BUD27	YFL023W	N/D
RAD55	CAC2	YML102W	N/D
RAD55	CSM3	YMR048W	N/D
RAD55	CTF4	YPR135W	N/D
RAD55	DDC1	YPL194W	N/D
RAD55	DOC1	YGL240W	N/D
RAD55	ESC2	YDR363W	N/D
RAD55	EXO1	YOR033C	N/D
RAD55	HPC2	YBR215W	N/D
RAD55	HPR5	YJL092W	N/D
RAD55	HST1	YOL068C	N/D
RAD55	HST3	YOR025W	N/D
RAD55	LYS7	YMR038C	N/D
RAD55	MMS4	YBR098W	N/D
RAD55	MRE11	YMR224C	N/D
RAD55	MUS81	YDR386W	N/D
RAD55	RAD17	YOR368W	N/D
RAD55	RAD24	YER173W	N/D
RAD55	RAD27	YKL113C	N/D
RAD55	RAD50	YNL250W	N/D
RAD55	RAD51	YER095W	N/D
RAD55	RAD52	YML032C	N/D
RAD55	RAD54	YGL163C	N/D
RAD55	RAD57	YDR004W	N/D
RAD55	RAD9	YDR217C	N/D
RAD55	RPL27A	YHR010W	N/D
RAD55	RPS30B	YOR182C	N/D
RAD55	SAE2	YGL175C	N/D
RAD55	SGS1	YMR190C	N/D
RAD55	SIS2	YKR072C	N/D
RAD55	SOD1	YJR104C	N/D
RAD55	XRS2	YDR369C	N/D
RAD55	YDJ1	YNL064C	N/D
RAD55	YLR352W	YLR352W	N/D
RAD55	YNL171C	YNL171C	N/D
RAD55	YPR116W	YPR116W	N/D
RAD57	BUD27	YFL023W	N
RAD57	CAC2	YML102W	N
RAD57	CSM3	YMR048W	N
RAD57	CTF4	YPR135W	N
RAD57	DDC1	YPL194W	N
RAD57	DOC1	YGL240W	N
RAD57	ESC2	YDR363W	N
RAD57	EXO1	YOR033C	N
RAD57	HPC2	YBR215W	N
RAD57	HPR5	YJL092W	N
RAD57	HST1	YOL068C	N
RAD57	HST3	YOR025W	N
RAD57	LYS7	YMR038C	Y
RAD57	MMS4	YBR098W	N
RAD57	MRE11	YMR224C	N
RAD57	MUS81	YDR386W	N
RAD57	RAD17	YOR368W	N
RAD57	RAD24	YER173W	N
RAD57	RAD27	YKL113C	Y
RAD57	RAD50	YNL250W	N
RAD57	RAD51	YER095W	N
RAD57	RAD52	YML032C	N
RAD57	RAD54	YGL163C	N

RAD57	RAD55	YDR076W	N
RAD57	RAD9	YDR217C	N
RAD57	RPL27A	YHR010W	N
RAD57	RPS30B	YOR182C	N
RAD57	SAE2	YGL175C	N
RAD57	SGS1	YMR190C	N
RAD57	SIS2	YKR072C	N
RAD57	SOD1	YJR104C	N
RAD57	XRS2	YDR369C	N
RAD57	YDJ1	YNL064C	N
RAD57	YLR352W	YLR352W	N
RAD57	YNL171C	YNL171C	N
RAD57	YPR116W	YPR116W	N/D
RAD9	BUD27	YFL023W	N
RAD9	CAC2	YML102W	N
RAD9	CSM3	YMR048W	Y
RAD9	CTF4	YPR135W	N
RAD9	DDC1	YPL194W	N
RAD9	DOC1	YGL240W	N
RAD9	ESC2	YDR363W	N
RAD9	EXO1	YOR033C	N
RAD9	HPC2	YBR215W	N
RAD9	HPR5	YJL092W	N
RAD9	HST1	YOL068C	N
RAD9	HST3	YOR025W	N
RAD9	LYS7	YMR038C	N
RAD9	MMS4	YBR098W	N
RAD9	MRE11	YMR224C	N
RAD9	MUS81	YDR386W	N
RAD9	RAD17	YOR368W	N
RAD9	RAD24	YER173W	N
RAD9	RAD27	YKL113C	Y
RAD9	RAD50	YNL250W	N
RAD9	RAD51	YER095W	N
RAD9	RAD52	YML032C	N
RAD9	RAD54	YGL163C	N
RAD9	RAD55	YDR076W	N
RAD9	RAD57	YDR004W	N
RAD9	RPL27A	YHR010W	N
RAD9	RPS30B	YOR182C	N
RAD9	SAE2	YGL175C	N
RAD9	SGS1	YMR190C	N
RAD9	SIS2	YKR072C	N
RAD9	SOD1	YJR104C	N
RAD9	XRS2	YDR369C	N
RAD9	YDJ1	YNL064C	N
RAD9	YLR352W	YLR352W	N
RAD9	YNL171C	YNL171C	N
RAD9	YPR116W	YPR116W	N/D
RPL27A	BUD27	YFL023W	N
RPL27A	CAC2	YML102W	N
RPL27A	CSM3	YMR048W	N
RPL27A	CTF4	YPR135W	Y
RPL27A	DDC1	YPL194W	N
RPL27A	DOC1	YGL240W	N
RPL27A	ESC2	YDR363W	N
RPL27A	EXO1	YOR033C	N
RPL27A	HPC2	YBR215W	Y
RPL27A	HPR5	YJL092W	N
RPL27A	HST1	YOL068C	N
RPL27A	HST3	YOR025W	N
RPL27A	LYS7	YMR038C	N
RPL27A	MMS4	YBR098W	N
RPL27A	MRE11	YMR224C	Y
RPL27A	MUS81	YDR386W	N
RPL27A	RAD17	YOR368W	N

RPL27A	RAD24	YER173W	N
RPL27A	RAD27	YKL113C	Y
RPL27A	RAD50	YNL250W	Y
RPL27A	RAD51	YER095W	N
RPL27A	RAD52	YML032C	Y
RPL27A	RAD54	YGL163C	N
RPL27A	RAD55	YDR076W	N
RPL27A	RAD57	YDR004W	N
RPL27A	RAD9	YDR217C	N
RPL27A	RPS30B	YOR182C	N
RPL27A	SAE2	YGL175C	N
RPL27A	SGS1	YMR190C	Y
RPL27A	SIS2	YKR072C	N
RPL27A	SOD1	YJR104C	Y
RPL27A	XRS2	YDR369C	N
RPL27A	YDJ1	YNL064C	N
RPL27A	YLR352W	YLR352W	N
RPL27A	YNL171C	YNL171C	Y
RPL27A	YPR116W	YPR116W	N/D
RPS30B	BUD27	YFL023W	N
RPS30B	CAC2	YML102W	N
RPS30B	CSM3	YMR048W	N
RPS30B	CTF4	YPR135W	N
RPS30B	DDC1	YPL194W	N
RPS30B	DOC1	YGL240W	N
RPS30B	ESC2	YDR363W	N
RPS30B	EXO1	YOR033C	N
RPS30B	HPC2	YBR215W	N
RPS30B	HPR5	YJL092W	N
RPS30B	HST1	YOL068C	N
RPS30B	HST3	YOR025W	N
RPS30B	LYS7	YMR038C	N
RPS30B	MMS4	YBR098W	N
RPS30B	MRE11	YMR224C	N
RPS30B	MUS81	YDR386W	N
RPS30B	RAD17	YOR368W	N
RPS30B	RAD24	YER173W	N
RPS30B	RAD27	YKL113C	Y
RPS30B	RAD50	YNL250W	N
RPS30B	RAD51	YER095W	N
RPS30B	RAD52	YML032C	N
RPS30B	RAD54	YGL163C	N
RPS30B	RAD55	YDR076W	N
RPS30B	RAD57	YDR004W	N
RPS30B	RAD9	YDR217C	N
RPS30B	RPL27A	YHR010W	N
RPS30B	SAE2	YGL175C	N
RPS30B	SGS1	YMR190C	N
RPS30B	SIS2	YKR072C	N
RPS30B	SOD1	YJR104C	N
RPS30B	XRS2	YDR369C	N
RPS30B	YDJ1	YNL064C	N
RPS30B	YLR352W	YLR352W	N
RPS30B	YNL171C	YNL171C	Y
RPS30B	YPR116W	YPR116W	N/D
SAE2	BUD27	YFL023W	N
SAE2	CAC2	YML102W	N
SAE2	CSM3	YMR048W	N
SAE2	CTF4	YPR135W	N
SAE2	DDC1	YPL194W	N
SAE2	DOC1	YGL240W	N
SAE2	ESC2	YDR363W	N
SAE2	EXO1	YOR033C	N
SAE2	HPC2	YBR215W	N
SAE2	HPR5	YJL092W	N
SAE2	HST1	YOL068C	N

SAE2	HST3	YOR025W	N
SAE2	LYS7	YMR038C	N
SAE2	MMS4	YBR098W	N
SAE2	MRE11	YMR224C	N
SAE2	MUS81	YDR386W	N
SAE2	RAD17	YOR368W	N
SAE2	RAD24	YER173W	N
SAE2	RAD27	YKL113C	Y
SAE2	RAD50	YNL250W	N
SAE2	RAD51	YER095W	N
SAE2	RAD52	YML032C	N
SAE2	RAD54	YGL163C	Y
SAE2	RAD55	YDR076W	N
SAE2	RAD57	YDR004W	N
SAE2	RAD9	YDR217C	N
SAE2	RPL27A	YHR010W	N
SAE2	RPS30B	YOR182C	N
SAE2	SGS1	YMR190C	Y
SAE2	SIS2	YKR072C	N
SAE2	SOD1	YJR104C	N
SAE2	XRS2	YDR369C	N
SAE2	YDJ1	YNL064C	N
SAE2	YLR352W	YLR352W	N
SAE2	YNL171C	YNL171C	N
SAE2	YPR116W	YPR116W	N/D
SGS1	BUD27	YFL023W	N
SGS1	CAC2	YML102W	N
SGS1	CSM3	YMR048W	Y
SGS1	CTF4	YPR135W	N
SGS1	DDC1	YPL194W	N
SGS1	DOC1	YGL240W	N
SGS1	ESC2	YDR363W	Y
SGS1	EXO1	YOR033C	N
SGS1	HPC2	YBR215W	N
SGS1	HPR5	YJL092W	Y
SGS1	HST1	YOL068C	N
SGS1	HST3	YOR025W	N
SGS1	LYS7	YMR038C	N
SGS1	MMS4	YBR098W	Y
SGS1	MRE11	YMR224C	N
SGS1	MUS81	YDR386W	Y
SGS1	RAD17	YOR368W	N
SGS1	RAD24	YER173W	N
SGS1	RAD27	YKL113C	Y
SGS1	RAD50	YNL250W	Y
SGS1	RAD51	YER095W	N
SGS1	RAD52	YML032C	N
SGS1	RAD54	YGL163C	N
SGS1	RAD55	YDR076W	N
SGS1	RAD57	YDR004W	N
SGS1	RAD9	YDR217C	N
SGS1	RPL27A	YHR010W	N
SGS1	RPS30B	YOR182C	N
SGS1	SAE2	YGL175C	Y
SGS1	SIS2	YKR072C	Y
SGS1	SOD1	YJR104C	N
SGS1	XRS2	YDR369C	N
SGS1	YDJ1	YNL064C	N
SGS1	YLR352W	YLR352W	N
SGS1	YNL171C	YNL171C	N
SGS1	YPR116W	YPR116W	N
SIS2	BUD27	YFL023W	N
SIS2	CAC2	YML102W	N
SIS2	CSM3	YMR048W	N
SIS2	CTF4	YPR135W	N
SIS2	DDC1	YPL194W	N

SIS2	DOC1	YGL240W	N
SIS2	ESC2	YDR363W	N
SIS2	EXO1	YOR033C	N
SIS2	HPC2	YBR215W	N
SIS2	HPR5	YJL092W	N
SIS2	HST1	YOL068C	N
SIS2	HST3	YOR025W	N
SIS2	LYS7	YMR038C	N
SIS2	MMS4	YBR098W	N
SIS2	MRE11	YMR224C	N
SIS2	MUS81	YDR386W	N
SIS2	RAD17	YOR368W	N
SIS2	RAD24	YER173W	N
SIS2	RAD27	YKL113C	Y
SIS2	RAD50	YNL250W	N
SIS2	RAD51	YER095W	N
SIS2	RAD52	YML032C	N
SIS2	RAD54	YGL163C	N
SIS2	RAD55	YDR076W	N
SIS2	RAD57	YDR004W	N
SIS2	RAD9	YDR217C	N
SIS2	RPL27A	YHR010W	N
SIS2	RPS30B	YOR182C	N
SIS2	SAE2	YGL175C	N
SIS2	SGS1	YMR190C	Y
SIS2	SOD1	YJR104C	Y
SIS2	XRS2	YDR369C	N
SIS2	YDJ1	YNL064C	N
SIS2	YLR352W	YLR352W	N
SIS2	YNL171C	YNL171C	N
SIS2	YPR116W	YPR116W	N/D
SOD1	BUD27	YFL023W	Y
SOD1	CAC2	YML102W	N
SOD1	CSM3	YMR048W	N
SOD1	CTF4	YPR135W	N
SOD1	DDC1	YPL194W	N
SOD1	DOC1	YGL240W	N
SOD1	ESC2	YDR363W	N
SOD1	EXO1	YOR033C	N
SOD1	HPC2	YBR215W	N
SOD1	HPR5	YJL092W	N
SOD1	HST1	YOL068C	N
SOD1	HST3	YOR025W	N
SOD1	LYS7	YMR038C	N
SOD1	MMS4	YBR098W	N
SOD1	MRE11	YMR224C	Y
SOD1	MUS81	YDR386W	N
SOD1	RAD17	YOR368W	N
SOD1	RAD24	YER173W	N
SOD1	RAD27	YKL113C	Y
SOD1	RAD50	YNL250W	Y
SOD1	RAD51	YER095W	Y
SOD1	RAD52	YML032C	Y
SOD1	RAD54	YGL163C	Y
SOD1	RAD55	YDR076W	Y
SOD1	RAD57	YDR004W	N
SOD1	RAD9	YDR217C	N
SOD1	RPL27A	YHR010W	Y
SOD1	RPS30B	YOR182C	N
SOD1	SAE2	YGL175C	N
SOD1	SGS1	YMR190C	Y
SOD1	SIS2	YKR072C	N
SOD1	XRS2	YDR369C	N
SOD1	YDJ1	YNL064C	N
SOD1	YLR352W	YLR352W	N
SOD1	YNL171C	YNL171C	Y

SOD1	YPR116W	YPR116W	N/D
XRS2	BUD27	YFL023W	N
XRS2	CAC2	YML102W	Y
XRS2	CSM3	YMR048W	N
XRS2	CTF4	YPR135W	Y
XRS2	DDC1	YPL194W	N
XRS2	DOC1	YGL240W	N
XRS2	ESC2	YDR363W	Y
XRS2	EXO1	YOR033C	Y
XRS2	HPC2	YBR215W	N
XRS2	HPR5	YJL092W	Y
XRS2	HST1	YOL068C	N
XRS2	HST3	YOR025W	N
XRS2	LYS7	YMR038C	Y
XRS2	MMS4	YBR098W	N
XRS2	MRE11	YMR224C	N
XRS2	MUS81	YDR386W	Y
XRS2	RAD17	YOR368W	N
XRS2	RAD24	YER173W	N
XRS2	RAD27	YKL113C	Y
XRS2	RAD50	YNL250W	N
XRS2	RAD51	YER095W	N
XRS2	RAD52	YML032C	N
XRS2	RAD54	YGL163C	N
XRS2	RAD55	YDR076W	N
XRS2	RAD57	YDR004W	N
XRS2	RAD9	YDR217C	N
XRS2	RPL27A	YHR010W	N
XRS2	RPS30B	YOR182C	Y
XRS2	SAE2	YGL175C	N
XRS2	SGS1	YMR190C	N
XRS2	SIS2	YKR072C	N
XRS2	SOD1	YJR104C	Y
XRS2	YDJ1	YNL064C	Y
XRS2	YLR352W	YLR352W	N
XRS2	YNL171C	YNL171C	Y
XRS2	YPR116W	YPR116W	N/D
YDJ1	BUD27	YFL023W	Y
YDJ1	CAC2	YML102W	N
YDJ1	CSM3	YMR048W	N
YDJ1	CTF4	YPR135W	N
YDJ1	DDC1	YPL194W	N
YDJ1	DOC1	YGL240W	N
YDJ1	ESC2	YDR363W	N
YDJ1	EXO1	YOR033C	N
YDJ1	HPC2	YBR215W	N
YDJ1	HPR5	YJL092W	N
YDJ1	HST1	YOL068C	N
YDJ1	HST3	YOR025W	N
YDJ1	LYS7	YMR038C	N
YDJ1	MMS4	YBR098W	N
YDJ1	MRE11	YMR224C	Y
YDJ1	MUS81	YDR386W	N
YDJ1	RAD17	YOR368W	N
YDJ1	RAD24	YER173W	N
YDJ1	RAD27	YKL113C	Y
YDJ1	RAD50	YNL250W	Y
YDJ1	RAD51	YER095W	N
YDJ1	RAD52	YML032C	Y
YDJ1	RAD54	YGL163C	N
YDJ1	RAD55	YDR076W	N
YDJ1	RAD57	YDR004W	N
YDJ1	RAD9	YDR217C	N
YDJ1	RPL27A	YHR010W	N
YDJ1	RPS30B	YOR182C	N
YDJ1	SAE2	YGL175C	N

YDJ1	SGS1	YMR190C	N
YDJ1	SIS2	YKR072C	N
YDJ1	SOD1	YJR104C	Y
YDJ1	XRS2	YDR369C	N
YDJ1	YLR352W	YLR352W	N
YDJ1	YNL171C	YNL171C	Y
YDJ1	YPR116W	YPR116W	N/D
YLR352W	BUD27	YFL023W	N
YLR352W	CAC2	YML102W	N
YLR352W	CSM3	YMR048W	N
YLR352W	CTF4	YPR135W	N
YLR352W	DDC1	YPL194W	N
YLR352W	DOC1	YGL240W	N
YLR352W	ESC2	YDR363W	N
YLR352W	EXO1	YOR033C	N
YLR352W	HPC2	YBR215W	N
YLR352W	HPR5	YJL092W	N
YLR352W	HST1	YOL068C	N
YLR352W	HST3	YOR025W	N
YLR352W	LYS7	YMR038C	N
YLR352W	MMS4	YBR098W	N
YLR352W	MRE11	YMR224C	N
YLR352W	MUS81	YDR386W	N
YLR352W	RAD17	YOR368W	N
YLR352W	RAD24	YER173W	N
YLR352W	RAD27	YKL113C	Y
YLR352W	RAD50	YNL250W	N
YLR352W	RAD51	YER095W	N
YLR352W	RAD52	YML032C	N
YLR352W	RAD54	YGL163C	N
YLR352W	RAD55	YDR076W	N
YLR352W	RAD57	YDR004W	N
YLR352W	RAD9	YDR217C	N
YLR352W	RPL27A	YHR010W	N
YLR352W	RPS30B	YOR182C	N
YLR352W	SAE2	YGL175C	N
YLR352W	SGS1	YMR190C	N
YLR352W	SIS2	YKR072C	N
YLR352W	SOD1	YJR104C	N
YLR352W	XRS2	YDR369C	N
YLR352W	YDJ1	YNL064C	N
YLR352W	YNL171C	YNL171C	N
YLR352W	YPR116W	YPR116W	N/D
YNL171C	BUD27	YFL023W	N
YNL171C	CAC2	YML102W	Y
YNL171C	CSM3	YMR048W	N
YNL171C	CTF4	YPR135W	N
YNL171C	DDC1	YPL194W	N
YNL171C	DOC1	YGL240W	N
YNL171C	ESC2	YDR363W	N
YNL171C	EXO1	YOR033C	N
YNL171C	HPC2	YBR215W	N
YNL171C	HPR5	YJL092W	N
YNL171C	HST1	YOL068C	N
YNL171C	HST3	YOR025W	N
YNL171C	LYS7	YMR038C	N
YNL171C	MMS4	YBR098W	N
YNL171C	MRE11	YMR224C	Y
YNL171C	MUS81	YDR386W	N
YNL171C	RAD17	YOR368W	N
YNL171C	RAD24	YER173W	N
YNL171C	RAD27	YKL113C	Y
YNL171C	RAD50	YNL250W	N
YNL171C	RAD51	YER095W	N
YNL171C	RAD52	YML032C	N
YNL171C	RAD54	YGL163C	N

YNL171C	RAD55	YDR076W	N
YNL171C	RAD57	YDR004W	N
YNL171C	RAD9	YDR217C	N
YNL171C	RPL27A	YHR010W	N
YNL171C	RPS30B	YOR182C	N
YNL171C	SAE2	YGL175C	N
YNL171C	SGS1	YMR190C	N
YNL171C	SIS2	YKR072C	N
YNL171C	SOD1	YJR104C	N
YNL171C	XRS2	YDR369C	N
YNL171C	YDJ1	YNL064C	N
YNL171C	YLR352W	YLR352W	N
YNL171C	YPR116W	YPR116W	N/D
YPR116W	BUD27	YFL023W	N
YPR116W	CAC2	YML102W	N
YPR116W	CSM3	YMR048W	N
YPR116W	CTF4	YPR135W	Y
YPR116W	DDC1	YPL194W	N
YPR116W	DOC1	YGL240W	N
YPR116W	ESC2	YDR363W	N
YPR116W	EXO1	YOR033C	N
YPR116W	HPC2	YBR215W	N
YPR116W	HPR5	YJL092W	N
YPR116W	HST1	YOL068C	N
YPR116W	HST3	YOR025W	N
YPR116W	LYS7	YMR038C	N
YPR116W	MMS4	YBR098W	N
YPR116W	MRE11	YMR224C	N
YPR116W	MUS81	YDR386W	N
YPR116W	RAD17	YOR368W	N
YPR116W	RAD24	YER173W	N
YPR116W	RAD27	YKL113C	Y
YPR116W	RAD50	YNL250W	N
YPR116W	RAD51	YER095W	N
YPR116W	RAD52	YML032C	N
YPR116W	RAD54	YGL163C	N
YPR116W	RAD55	YDR076W	N
YPR116W	RAD57	YDR004W	N
YPR116W	RAD9	YDR217C	N
YPR116W	RPL27A	YHR010W	N
YPR116W	RPS30B	YOR182C	N
YPR116W	SAE2	YGL175C	N
YPR116W	SGS1	YMR190C	N
YPR116W	SIS2	YKR072C	N
YPR116W	SOD1	YJR104C	N
YPR116W	XRS2	YDR369C	N
YPR116W	YDJ1	YNL064C	N
YPR116W	YLR352W	YLR352W	N
YPR116W	YNL171C	YNL171C	N
ASF1	CSM3	YMR048W	N
ASF1	ESC2	YDR363W	N
ASF1	HPR5	YJL092W	N
ASF1	MGS1	YNL218W	N
ASF1	MMS4	YBR098W	N
ASF1	MUS81	YDR386W	N
ASF1	POL32	YJR043C	N
ASF1	PUB1	YNL016W	N
ASF1	RAD27	YKL113C	Y
ASF1	RAD50	YNL250W	N
ASF1	RNR1	YER070W	N/D
ASF1	RPL24A	YGL031C	N
ASF1	RRM3	YHR031C	N
ASF1	RTT107	YHR154W	N
ASF1	SAE2	YGL175C	N
ASF1	SGS1	YMR190C	Y
ASF1	SIS2	YKR072C	N

ASF1	SLX1	YBR228W	N
ASF1	SLX4	YLR135W	N
ASF1	SOD1	YJR104C	N
ASF1	SWE1	YJL187C	N
ASF1	TOP1	YOL006C	N
ASF1	WSS1	YHR134W	N
ASF1	YBR094W	YBR094W	N
CSM3	ASF1	YJL115W	N
CSM3	ESC2	YDR363W	N
CSM3	HPR5	YJL092W	Y
CSM3	MGS1	YNL218W	N
CSM3	MMS4	YBR098W	N
CSM3	MUS81	YDR386W	N
CSM3	POL32	YJR043C	Y
CSM3	PUB1	YNL016W	N
CSM3	RAD27	YKL113C	Y
CSM3	RAD50	YNL250W	N
CSM3	RNR1	YER070W	N/D
CSM3	RPL24A	YGL031C	N
CSM3	RRM3	YHR031C	N
CSM3	RTT107	YHR154W	N
CSM3	SAE2	YGL175C	N
CSM3	SGS1	YMR190C	Y
CSM3	SIS2	YKR072C	N
CSM3	SLX1	YBR228W	N
CSM3	SLX4	YLR135W	N
CSM3	SOD1	YJR104C	N
CSM3	SWE1	YJL187C	N
CSM3	TOP1	YOL006C	N
CSM3	WSS1	YHR134W	N
CSM3	YBR094W	YBR094W	N
ESC2	ASF1	YJL115W	N
ESC2	CSM3	YMR048W	N
ESC2	HPR5	YJL092W	Y
ESC2	MGS1	YNL218W	Y
ESC2	MMS4	YBR098W	Y
ESC2	MUS81	YDR386W	Y
ESC2	POL32	YJR043C	N
ESC2	PUB1	YNL016W	N
ESC2	RAD27	YKL113C	Y
ESC2	RAD50	YNL250W	N
ESC2	RNR1	YER070W	N/D
ESC2	RPL24A	YGL031C	N
ESC2	RRM3	YHR031C	Y
ESC2	RTT107	YHR154W	N
ESC2	SAE2	YGL175C	N
ESC2	SGS1	YMR190C	Y
ESC2	SIS2	YKR072C	N
ESC2	SLX1	YBR228W	Y
ESC2	SLX4	YLR135W	Y
ESC2	SOD1	YJR104C	N
ESC2	SWE1	YJL187C	N
ESC2	TOP1	YOL006C	N
ESC2	WSS1	YHR134W	Y
ESC2	YBR094W	YBR094W	Y
HPR5	ASF1	YJL115W	Y
HPR5	CSM3	YMR048W	Y
HPR5	ESC2	YDR363W	Y
HPR5	MGS1	YNL218W	N
HPR5	MMS4	YBR098W	N
HPR5	MUS81	YDR386W	N
HPR5	POL32	YJR043C	Y
HPR5	PUB1	YNL016W	N
HPR5	RAD27	YKL113C	Y
HPR5	RAD50	YNL250W	N
HPR5	RNR1	YER070W	N/D

HPR5	RPL24A	YGL031C	N
HPR5	RRM3	YHR031C	Y
HPR5	RTT107	YHR154W	N
HPR5	SAE2	YGL175C	N
HPR5	SGS1	YMR190C	Y
HPR5	SIS2	YKR072C	N
HPR5	SLX1	YBR228W	N
HPR5	SLX4	YLR135W	N
HPR5	SOD1	YJR104C	N
HPR5	SWE1	YJL187C	N
HPR5	TOP1	YOL006C	N
HPR5	WSS1	YHR134W	N
HPR5	YBR094W	YBR094W	N
MGS1	ASF1	YJL115W	N
MGS1	CSM3	YMR048W	N
MGS1	ESC2	YDR363W	Y
MGS1	HPR5	YJL092W	N
MGS1	MMS4	YBR098W	N
MGS1	MUS81	YDR386W	N
MGS1	POL32	YJR043C	N
MGS1	PUB1	YNL016W	N
MGS1	RAD27	YKL113C	N
MGS1	RAD50	YNL250W	Y
MGS1	RNR1	YER070W	N/D
MGS1	RPL24A	YGL031C	N
MGS1	RRM3	YHR031C	N
MGS1	RTT107	YHR154W	N
MGS1	SAE2	YGL175C	N
MGS1	SGS1	YMR190C	Y
MGS1	SIS2	YKR072C	N
MGS1	SLX1	YBR228W	N
MGS1	SLX4	YLR135W	N
MGS1	SOD1	YJR104C	N
MGS1	SWE1	YJL187C	N
MGS1	TOP1	YOL006C	N
MGS1	WSS1	YHR134W	N
MGS1	YBR094W	YBR094W	N
MMS4	ASF1	YJL115W	Y
MMS4	CSM3	YMR048W	N
MMS4	ESC2	YDR363W	Y
MMS4	HPR5	YJL092W	N
MMS4	MGS1	YNL218W	N
MMS4	MUS81	YDR386W	N
MMS4	POL32	YJR043C	Y
MMS4	PUB1	YNL016W	N
MMS4	RAD27	YKL113C	Y
MMS4	RAD50	YNL250W	N
MMS4	RNR1	YER070W	N/D
MMS4	RPL24A	YGL031C	N
MMS4	RRM3	YHR031C	N
MMS4	RTT107	YHR154W	N
MMS4	SAE2	YGL175C	N
MMS4	SGS1	YMR190C	Y
MMS4	SIS2	YKR072C	N
MMS4	SLX1	YBR228W	N
MMS4	SLX4	YLR135W	N
MMS4	SOD1	YJR104C	N
MMS4	SWE1	YJL187C	N
MMS4	TOP1	YOL006C	N
MMS4	WSS1	YHR134W	N
MMS4	YBR094W	YBR094W	Y
MUS81	ASF1	YJL115W	N
MUS81	CSM3	YMR048W	N
MUS81	ESC2	YDR363W	Y
MUS81	HPR5	YJL092W	N
MUS81	MGS1	YNL218W	N

MUS81	MMS4	YBR098W	N
MUS81	POL32	YJR043C	Y
MUS81	PUB1	YNL016W	N
MUS81	RAD27	YKL113C	Y
MUS81	RAD50	YNL250W	N
MUS81	RNR1	YER070W	N/D
MUS81	RPL24A	YGL031C	N
MUS81	RRM3	YHR031C	N
MUS81	RTT107	YHR154W	N
MUS81	SAE2	YGL175C	N
MUS81	SGS1	YMR190C	Y
MUS81	SIS2	YKR072C	N
MUS81	SLX1	YBR228W	N
MUS81	SLX4	YLR135W	N
MUS81	SOD1	YJR104C	Y
MUS81	SWE1	YJL187C	N
MUS81	TOP1	YOL006C	N
MUS81	WSS1	YHR134W	N
MUS81	YBR094W	YBR094W	N
POL32	ASF1	YJL115W	N
POL32	CSM3	YMR048W	Y
POL32	ESC2	YDR363W	Y
POL32	HPR5	YJL092W	Y
POL32	MGS1	YNL218W	N
POL32	MMS4	YBR098W	Y
POL32	MUS81	YDR386W	N
POL32	PUB1	YNL016W	N
POL32	RAD27	YKL113C	Y
POL32	RAD50	YNL250W	Y
POL32	RNR1	YER070W	N/D
POL32	RPL24A	YGL031C	N
POL32	RRM3	YHR031C	N
POL32	RTT107	YHR154W	N
POL32	SAE2	YGL175C	N
POL32	SGS1	YMR190C	Y
POL32	SIS2	YKR072C	N
POL32	SLX1	YBR228W	N
POL32	SLX4	YLR135W	N
POL32	SOD1	YJR104C	Y
POL32	SWE1	YJL187C	N
POL32	TOP1	YOL006C	N
POL32	WSS1	YHR134W	N
POL32	YBR094W	YBR094W	Y
PUB1	ASF1	YJL115W	N
PUB1	CSM3	YMR048W	N
PUB1	ESC2	YDR363W	N
PUB1	HPR5	YJL092W	N
PUB1	MGS1	YNL218W	N
PUB1	MMS4	YBR098W	N
PUB1	MUS81	YDR386W	N
PUB1	POL32	YJR043C	N
PUB1	RAD27	YKL113C	N
PUB1	RAD50	YNL250W	N
PUB1	RNR1	YER070W	N/D
PUB1	RPL24A	YGL031C	N
PUB1	RRM3	YHR031C	N
PUB1	RTT107	YHR154W	N
PUB1	SAE2	YGL175C	N
PUB1	SGS1	YMR190C	Y
PUB1	SIS2	YKR072C	N
PUB1	SLX1	YBR228W	N
PUB1	SLX4	YLR135W	N
PUB1	SOD1	YJR104C	N
PUB1	SWE1	YJL187C	N
PUB1	TOP1	YOL006C	N
PUB1	WSS1	YHR134W	N

PUB1	YBR094W	YBR094W	N
RAD27	ASF1	YJL115W	N
RAD27	CSM3	YMR048W	Y
RAD27	ESC2	YDR363W	Y
RAD27	HPR5	YJL092W	Y
RAD27	MGS1	YNL218W	N
RAD27	MMS4	YBR098W	Y
RAD27	MUS81	YDR386W	Y
RAD27	POL32	YJR043C	N
RAD27	PUB1	YNL016W	N
RAD27	RAD27	YKL113C	N
RAD27	RAD50	YNL250W	Y
RAD27	RNR1	YER070W	N
RAD27	RPL24A	YGL031C	N
RAD27	RRM3	YHR031C	N
RAD27	RTT107	YHR154W	N
RAD27	SAE2	YGL175C	Y
RAD27	SGS1	YMR190C	Y
RAD27	SIS2	YKR072C	Y
RAD27	SLX1	YBR228W	N
RAD27	SLX4	YLR135W	N
RAD27	SOD1	YJR104C	Y
RAD27	SWE1	YJL187C	N
RAD27	TOP1	YOL006C	N
RAD27	WSS1	YHR134W	N
RAD50	ASF1	YJL115W	Y
RAD50	CSM3	YMR048W	N
RAD50	ESC2	YDR363W	N
RAD50	HPR5	YJL092W	N
RAD50	MGS1	YNL218W	Y
RAD50	MMS4	YBR098W	N
RAD50	MUS81	YDR386W	N
RAD50	POL32	YJR043C	Y
RAD50	PUB1	YNL016W	N
RAD50	RAD27	YKL113C	Y
RAD50	RNR1	YER070W	N/D
RAD50	RPL24A	YGL031C	N
RAD50	RRM3	YHR031C	Y
RAD50	RTT107	YHR154W	Y
RAD50	SAE2	YGL175C	N
RAD50	SGS1	YMR190C	Y
RAD50	SIS2	YKR072C	N
RAD50	SLX1	YBR228W	N
RAD50	SLX4	YLR135W	Y
RAD50	SOD1	YJR104C	Y
RAD50	SWE1	YJL187C	N
RAD50	TOP1	YOL006C	Y
RAD50	WSS1	YHR134W	Y
RAD50	YBR094W	YBR094W	N
RNR1	ASF1	YJL115W	N
RNR1	CSM3	YMR048W	Y
RNR1	ESC2	YDR363W	Y
RNR1	HPR5	YJL092W	N
RNR1	MGS1	YNL218W	N
RNR1	MMS4	YBR098W	N
RNR1	MUS81	YDR386W	N
RNR1	POL32	YJR043C	N
RNR1	PUB1	YNL016W	N
RNR1	RAD27	YKL113C	N
RNR1	RAD50	YNL250W	N
RNR1	RPL24A	YGL031C	N
RNR1	RRM3	YHR031C	N
RNR1	RTT107	YHR154W	N
RNR1	SAE2	YGL175C	N
RNR1	SGS1	YMR190C	Y
RNR1	SIS2	YKR072C	N

RNR1	SLX1	YBR228W	N
RNR1	SLX4	YLR135W	N
RNR1	SOD1	YJR104C	N/D
RNR1	SWE1	YJL187C	N
RNR1	TOP1	YOL006C	N
RNR1	WSS1	YHR134W	N
RNR1	YBR094W	YBR094W	N
RPL24A	ASF1	YJL115W	N
RPL24A	CSM3	YMR048W	N
RPL24A	ESC2	YDR363W	N
RPL24A	HPR5	YJL092W	N
RPL24A	MGS1	YNL218W	N
RPL24A	MMS4	YBR098W	N
RPL24A	MUS81	YDR386W	N
RPL24A	POL32	YJR043C	N
RPL24A	PUB1	YNL016W	N
RPL24A	RAD27	YKL113C	N
RPL24A	RAD50	YNL250W	N
RPL24A	RNR1	YER070W	N/D
RPL24A	RRM3	YHR031C	N
RPL24A	RTT107	YHR154W	N
RPL24A	SAE2	YGL175C	N
RPL24A	SGS1	YMR190C	Y
RPL24A	SIS2	YKR072C	N
RPL24A	SLX1	YBR228W	N
RPL24A	SLX4	YLR135W	N
RPL24A	SOD1	YJR104C	N
RPL24A	SWE1	YJL187C	N
RPL24A	TOP1	YOL006C	N
RPL24A	WSS1	YHR134W	N
RPL24A	YBR094W	YBR094W	N
RRM3	ASF1	YJL115W	Y
RRM3	CSM3	YMR048W	N
RRM3	ESC2	YDR363W	Y
RRM3	HPR5	YJL092W	Y
RRM3	MGS1	YNL218W	N
RRM3	MMS4	YBR098W	N
RRM3	MUS81	YDR386W	N
RRM3	POL32	YJR043C	N
RRM3	PUB1	YNL016W	N
RRM3	RAD27	YKL113C	N
RRM3	RAD50	YNL250W	Y
RRM3	RNR1	YER070W	N/D
RRM3	RPL24A	YGL031C	N
RRM3	RTT107	YHR154W	Y
RRM3	SAE2	YGL175C	N
RRM3	SGS1	YMR190C	Y
RRM3	SIS2	YKR072C	N
RRM3	SLX1	YBR228W	N
RRM3	SLX4	YLR135W	N
RRM3	SOD1	YJR104C	N
RRM3	SWE1	YJL187C	N
RRM3	TOP1	YOL006C	N
RRM3	WSS1	YHR134W	N
RRM3	YBR094W	YBR094W	N
RTT107	ASF1	YJL115W	N
RTT107	CSM3	YMR048W	N
RTT107	ESC2	YDR363W	N
RTT107	HPR5	YJL092W	N
RTT107	MGS1	YNL218W	N
RTT107	MMS4	YBR098W	N
RTT107	MUS81	YDR386W	N
RTT107	POL32	YJR043C	N
RTT107	PUB1	YNL016W	N
RTT107	RAD27	YKL113C	N
RTT107	RAD50	YNL250W	N

RTT107	RNR1	YER070W	N/D
RTT107	RPL24A	YGL031C	N
RTT107	RRM3	YHR031C	Y
RTT107	SAE2	YGL175C	N
RTT107	SGS1	YMR190C	Y
RTT107	SIS2	YKR072C	N
RTT107	SLX1	YBR228W	N
RTT107	SLX4	YLR135W	N
RTT107	SOD1	YJR104C	Y
RTT107	SWE1	YJL187C	N
RTT107	TOP1	YOL006C	N
RTT107	WSS1	YHR134W	Y
RTT107	YBR094W	YBR094W	N
SAE2	ASF1	YJL115W	N
SAE2	CSM3	YMR048W	N
SAE2	ESC2	YDR363W	N
SAE2	HPR5	YJL092W	N
SAE2	MGS1	YNL218W	N
SAE2	MMS4	YBR098W	N
SAE2	MUS81	YDR386W	N
SAE2	POL32	YJR043C	N
SAE2	PUB1	YNL016W	N
SAE2	RAD27	YKL113C	Y
SAE2	RAD50	YNL250W	N
SAE2	RNR1	YER070W	N/D
SAE2	RPL24A	YGL031C	N
SAE2	RRM3	YHR031C	Y
SAE2	RTT107	YHR154W	N
SAE2	SGS1	YMR190C	Y
SAE2	SIS2	YKR072C	N
SAE2	SLX1	YBR228W	N
SAE2	SLX4	YLR135W	N
SAE2	SOD1	YJR104C	N
SAE2	SWE1	YJL187C	N
SAE2	TOP1	YOL006C	N
SAE2	WSS1	YHR134W	N
SAE2	YBR094W	YBR094W	N
SGS1	ASF1	YJL115W	Y
SGS1	CSM3	YMR048W	Y
SGS1	ESC2	YDR363W	Y
SGS1	HPR5	YJL092W	Y
SGS1	MGS1	YNL218W	Y
SGS1	MMS4	YBR098W	Y
SGS1	MUS81	YDR386W	Y
SGS1	POL32	YJR043C	Y
SGS1	PUB1	YNL016W	Y
SGS1	RAD27	YKL113C	Y
SGS1	RAD50	YNL250W	Y
SGS1	RNR1	YER070W	Y
SGS1	RPL24A	YGL031C	Y
SGS1	RRM3	YHR031C	Y
SGS1	RTT107	YHR154W	Y
SGS1	SAE2	YGL175C	Y
SGS1	SIS2	YKR072C	Y
SGS1	SLX1	YBR228W	Y
SGS1	SLX4	YLR135W	Y
SGS1	SOD1	YJR104C	Y
SGS1	SWE1	YJL187C	Y
SGS1	TOP1	YOL006C	Y
SGS1	WSS1	YHR134W	Y
SGS1	YBR094W	YBR094W	Y
SIS2	ASF1	YJL115W	N
SIS2	CSM3	YMR048W	N
SIS2	ESC2	YDR363W	N
SIS2	HPR5	YJL092W	N
SIS2	MGS1	YNL218W	N

SIS2	MMS4	YBR098W	N
SIS2	MUS81	YDR386W	N
SIS2	POL32	YJR043C	N
SIS2	PUB1	YNL016W	N
SIS2	RAD27	YKL113C	Y
SIS2	RAD50	YNL250W	N
SIS2	RNR1	YER070W	N/D
SIS2	RPL24A	YGL031C	N
SIS2	RRM3	YHR031C	N
SIS2	RTT107	YHR154W	N
SIS2	SAE2	YGL175C	N
SIS2	SGS1	YMR190C	Y
SIS2	SLX1	YBR228W	N
SIS2	SLX4	YLR135W	N
SIS2	SOD1	YJR104C	Y
SIS2	SWE1	YJL187C	N
SIS2	TOP1	YOL006C	N
SIS2	WSS1	YHR134W	N
SIS2	YBR094W	YBR094W	N
SLX1	ASF1	YJL115W	N
SLX1	CSM3	YMR048W	N
SLX1	ESC2	YDR363W	Y
SLX1	HPR5	YJL092W	N
SLX1	MGS1	YNL218W	N
SLX1	MMS4	YBR098W	N
SLX1	MUS81	YDR386W	N
SLX1	POL32	YJR043C	N
SLX1	PUB1	YNL016W	N
SLX1	RAD27	YKL113C	N
SLX1	RAD50	YNL250W	N
SLX1	RNR1	YER070W	N/D
SLX1	RPL24A	YGL031C	N
SLX1	RRM3	YHR031C	N
SLX1	RTT107	YHR154W	N
SLX1	SAE2	YGL175C	N
SLX1	SGS1	YMR190C	Y
SLX1	SIS2	YKR072C	N
SLX1	SLX4	YLR135W	N
SLX1	SOD1	YJR104C	N
SLX1	SWE1	YJL187C	N
SLX1	TOP1	YOL006C	N
SLX1	WSS1	YHR134W	N
SLX1	YBR094W	YBR094W	N
SLX4	ASF1	YJL115W	N
SLX4	CSM3	YMR048W	N
SLX4	ESC2	YDR363W	Y
SLX4	HPR5	YJL092W	N
SLX4	MGS1	YNL218W	N
SLX4	MMS4	YBR098W	N
SLX4	MUS81	YDR386W	N
SLX4	POL32	YJR043C	N
SLX4	PUB1	YNL016W	N
SLX4	RAD27	YKL113C	N
SLX4	RAD50	YNL250W	N
SLX4	RNR1	YER070W	N/D
SLX4	RPL24A	YGL031C	N
SLX4	RRM3	YHR031C	N
SLX4	RTT107	YHR154W	N
SLX4	SAE2	YGL175C	N
SLX4	SGS1	YMR190C	Y
SLX4	SIS2	YKR072C	N
SLX4	SLX1	YBR228W	N
SLX4	SOD1	YJR104C	N
SLX4	SWE1	YJL187C	N
SLX4	TOP1	YOL006C	N
SLX4	WSS1	YHR134W	N

SLX4	YBR094W	YBR094W	N
SOD1	ASF1	YJL115W	Y
SOD1	CSM3	YMR048W	N
SOD1	ESC2	YDR363W	N
SOD1	HPR5	YJL092W	N
SOD1	MGS1	YNL218W	N
SOD1	MMS4	YBR098W	N
SOD1	MUS81	YDR386W	N
SOD1	POL32	YJR043C	Y
SOD1	PUB1	YNL016W	N
SOD1	RAD27	YKL113C	Y
SOD1	RAD50	YNL250W	Y
SOD1	RNR1	YER070W	N/D
SOD1	RPL24A	YGL031C	N
SOD1	RRM3	YHR031C	N
SOD1	RTT107	YHR154W	Y
SOD1	SAE2	YGL175C	N
SOD1	SGS1	YMR190C	Y
SOD1	SIS2	YKR072C	N
SOD1	SLX1	YBR228W	N
SOD1	SLX4	YLR135W	N
SOD1	SWE1	YJL187C	N
SOD1	TOP1	YOL006C	N
SOD1	WSS1	YHR134W	N
SOD1	YBR094W	YBR094W	N
SWE1	ASF1	YJL115W	N/D
SWE1	CSM3	YMR048W	N/D
SWE1	ESC2	YDR363W	N/D
SWE1	HPR5	YJL092W	N/D
SWE1	MGS1	YNL218W	N/D
SWE1	MMS4	YBR098W	N/D
SWE1	MUS81	YDR386W	N/D
SWE1	POL32	YJR043C	N/D
SWE1	PUB1	YNL016W	N/D
SWE1	RAD27	YKL113C	N/D
SWE1	RAD50	YNL250W	N/D
SWE1	RNR1	YER070W	N/D
SWE1	RPL24A	YGL031C	N/D
SWE1	RRM3	YHR031C	N/D
SWE1	RTT107	YHR154W	N/D
SWE1	SAE2	YGL175C	N/D
SWE1	SGS1	YMR190C	N/D
SWE1	SIS2	YKR072C	N/D
SWE1	SLX1	YBR228W	N/D
SWE1	SLX4	YLR135W	N/D
SWE1	SOD1	YJR104C	N/D
SWE1	TOP1	YOL006C	N/D
SWE1	WSS1	YHR134W	N/D
SWE1	YBR094W	YBR094W	N/D
TOP1	ASF1	YJL115W	N
TOP1	CSM3	YMR048W	N
TOP1	ESC2	YDR363W	N
TOP1	HPR5	YJL092W	N
TOP1	MGS1	YNL218W	N
TOP1	MMS4	YBR098W	N
TOP1	MUS81	YDR386W	N
TOP1	POL32	YJR043C	N
TOP1	PUB1	YNL016W	N
TOP1	RAD27	YKL113C	N
TOP1	RAD50	YNL250W	Y
TOP1	RNR1	YER070W	N/D
TOP1	RPL24A	YGL031C	N
TOP1	RRM3	YHR031C	N
TOP1	RTT107	YHR154W	N
TOP1	SAE2	YGL175C	N
TOP1	SGS1	YMR190C	Y

TOP1	SIS2	YKR072C	N
TOP1	SLX1	YBR228W	N
TOP1	SLX4	YLR135W	N
TOP1	SOD1	YJR104C	N
TOP1	SWE1	YJL187C	N
TOP1	WSS1	YHR134W	N
TOP1	YBR094W	YBR094W	N
WSS1	ASF1	YJL115W	N
WSS1	CSM3	YMR048W	N
WSS1	ESC2	YDR363W	N
WSS1	HPR5	YJL092W	N
WSS1	MGS1	YNL218W	N
WSS1	MMS4	YBR098W	N
WSS1	MUS81	YDR386W	N
WSS1	POL32	YJR043C	N
WSS1	PUB1	YNL016W	N
WSS1	RAD27	YKL113C	N
WSS1	RAD50	YNL250W	N
WSS1	RNR1	YER070W	N/D
WSS1	RPL24A	YGL031C	N
WSS1	RRM3	YHR031C	N
WSS1	RTT107	YHR154W	Y
WSS1	SAE2	YGL175C	N
WSS1	SGS1	YMR190C	Y
WSS1	SIS2	YKR072C	N
WSS1	SLX1	YBR228W	N
WSS1	SLX4	YLR135W	N
WSS1	SOD1	YJR104C	N
WSS1	SWE1	YJL187C	N
WSS1	TOP1	YOL006C	N
WSS1	YBR094W	YBR094W	N
YBR094W	ASF1	YJL115W	N
YBR094W	CSM3	YMR048W	N
YBR094W	ESC2	YDR363W	Y
YBR094W	HPR5	YJL092W	N
YBR094W	MGS1	YNL218W	N
YBR094W	MMS4	YBR098W	N
YBR094W	MUS81	YDR386W	N
YBR094W	POL32	YJR043C	N
YBR094W	PUB1	YNL016W	N
YBR094W	RAD27	YKL113C	N
YBR094W	RAD50	YNL250W	N
YBR094W	RNR1	YER070W	N/D
YBR094W	RPL24A	YGL031C	N
YBR094W	RRM3	YHR031C	N
YBR094W	RTT107	YHR154W	N
YBR094W	SAE2	YGL175C	N
YBR094W	SGS1	YMR190C	Y
YBR094W	SIS2	YKR072C	N
YBR094W	SLX1	YBR228W	N
YBR094W	SLX4	YLR135W	N
YBR094W	SOD1	YJR104C	Y
YBR094W	SWE1	YJL187C	N
YBR094W	TOP1	YOL006C	N
YBR094W	WSS1	YHR134W	N