

1 Supplementary Information
2
3 Supplementary Figures
4
5 Figure S1. Quantification of Ace2-YFP asymmetric localization in isolated and
6 clustered cells.
7 Ace2-YFP asymmetry in T296-5 log phase cells grown at 23°C and 37°C. The
8 percentage of asymmetric and symmetric cells is not significantly different
9 between isolated cells and cells located in clusters in the images (Fisher exact
10 test p>0.05).
11
12 Figure S2. *ssd1-d HTA1-CFP* cells are temperature sensitive.
13 (A) Spot test of *SSD1-V* or *ssd1-d* strains. The combination of the *ssd1-d* allele
14 from W303 and *HTA1-CFP* arrested growth at 37°C (2nd and 4th rows). W303
15 *HTA1-CFP* temperature sensitivity can be rescued by restoring wild type *SSD1*
16 (*SSD1-V*, 5th and 6th rows). The W303^A, PT31-75D, strain used for generating
17 Ace2-YFP screen library. W303^{B,C,D} strains derived from transforming *PT31-75D*
18 with a *SSD1-V::TRP1* construct (T296). W303^B is *ssd1-d::TRP1* and W303^{C,D} are
19 *SSD1-V::TRP1*. *SSD1* status was established by restriction digest analysis of
20 PCR products (primers listed in Table S1) or by Sanger sequencing.
21 (B) Quantitation of Ace2-YFP asymmetry in strains *SSD1-V* or *ssd1-d*. At 23°C
22 all strains had a similar percentage of asymmetric telophase cells (red). At 37°C,
23 *ssd1-d* strains had decreased proportion of asymmetric cells (red) and increased
24 proportion of cells with no Ace2 in either the mother or daughter nucleus (blue).
25 Restoring *SSD1-V* in W303 increased the proportion of both asymmetric (red)
26 and symmetric (green) cells and decreased cells with no Ace2 in the nucleus
27 (blue bars). The percentage of asymmetric cells (red) was higher in
28 W303/BY4741 hybrid cells than in isogenic W303 cells suggesting other genetic
29 loci affect Ace2 asymmetry.
30
31 Figure S3. Class III mutants.

32 Fluorescence microscopy images of Class III mutants. (A) Nuclear export
33 component mutants: *rna1-1*, *srm1-1* and *yrb1-51*. (B) RAM network components:
34 *mob2-28*, *mob2-26*, *mob2-38* and *hym1-15*. Note that at the restrictive
35 temperature telophase cells show symmetric localization of Ace2 in both mother
36 and daughter nuclei.

37

38 Figure S4. Loss of asymmetry of *mtw1-1* W303 isogenic strain.
39 (A) Quantitation of Ace2-YFP asymmetry of *mtw1-1* and *mtw1-1 MTW1* cells at
40 three different temperatures. In *mtw1-1* cells there is a decrease of asymmetric
41 cells at 35°C (29%) when compared with 23°C (69%) and 30°C (67%), p<0.001
42 for both comparisons as calculated with Fisher's exact test. (B) Mother +
43 daughter nuclear Ace2-YFP fluorescence intensity at 35°C. The plot shows the
44 median and quartiles (error bars). Median (lower quartile 25%, upper quartile
45 75%): *mtw1-1* asymmetric 177 (42, 319), *mtw1-1* symmetric 648 (405, 781),
46 *mtw1-1 MTW1* asymmetric 255 (190, 356), *mtw1-1 MTW1* symmetric 370 (210,
47 538). P values indicated in the graph were calculated with Kruskal-Wallis Test:
48 n.s (p>0.01), ** (0.01 >p > 0.001). (C) Representative fluorescence microscopy
49 imaging of *mtw1-1* and *mtw1-1 MTW1* grown 35°C for 5 hours.

50

51 Figure S5. G1 arrest does not affect Ace2-YFP asymmetry.
52 (A) Experimental timeline of G1 and prolonged metaphase arrest experiment.
53 (B) Quantitation of Ace2-YFP asymmetry after prolonged arrest. The percentage
54 of asymmetric cells decreased ($p = 1.5 \times 10^{-17}$) and of symmetric cells increased
55 ($p=0.002$) between Control M arrest and Prolonged M arrest. The percentage of
56 asymmetric cells decreased ($p = 14 \times 10^{-6}$) and of symmetric cells increased
57 ($p=0.0001$) between G1 and “Control M arrest” and “G1 and Prolonged M arrest”.
58 P values calculated with Fisher's exact test. (C) Mother + daughter nuclear Ace2-
59 YFP fluorescence intensity. The plot shows the median and quartiles (error bars).
60 Median (lower quartile 25%, upper quartile 75%): Control M arrest asymmetric
61 111 (81, 146), Control M arrest symmetric 98 (61, 147), Prolonged M arrest
62 asymmetric 67 (26, 128), Prolonged M arrest symmetric 181 (108, 227), G1 and

63 control M arrest asymmetric 76 (45, 95), G1 and control M arrest symmetric 73
64 (48, 112), G1 and Prolonged M arrest asymmetric 131 (22, 186), G1 and
65 Prolonged M arrest symmetric 221 (191, 256). P values calculated with Kruskal-
66 Wallis test.

67

68 Figure S6. Extended Figure 3G.

69 Representative fluorescence microscopy images of (A) Log phase cells before
70 and after cytokinesis. (B) Control arrest before and after cytokinesis. (C)
71 Metaphase arrested cells (growing in +MET).

72

73 Figure S7. Total loss of asymmetry in *spt16-1* W303 isogenic strain.

74 (A) Representative fluorescence microscopy images of *spt16-1* cells grow at
75 23°C and 37°C for 5 hours. Percentage of all cells (B) and cells in different cell
76 cycle stages (C) with Ace2-YFP in the nucleus at 23°C and 37°C. For telophase
77 cells, the percentage of symmetric cells is represented (Ace2-YFP in both mother
78 and daughter cells). P values for comparisons in B and C calculated with Fisher's
79 exact test, *** p<0.001. (D) and (E) Frequency distribution of nuclear Ace2-YFP
80 intensity of all cells (D) and cells in different cell cycle stages (E) at 23°C and
81 37°C. Median (solid line) and quartiles (dotted line). Median (lower quartile 25%,
82 upper quartile 75%): all cells 23°C 62 (28, 126), 37°C 77 (64, 93); G1 cells 23°C
83 33 (25, 59), 37°C 80 (68, 100); S/M cells 23°C 19 (n=2), 37°C 72 (61, 85);
84 Telophase cells 23°C 130 (91, 167), 37°C 81 (69, 104). Note S/M 23°C not
85 shown due to small number of cells (n=2). P values for comparison in D and E
86 calculated with Wilconson Rank Sum Test and Kruskal-Wallis test, respectively,
87 **0.01<p>0.001, *** p<0.001.

88

89 Figure S8. Additional *POB3* temperature sensitive allele.

90 Representative images of *pob3-L78R* cells grown for 5 hours at 37°C. Note that
91 most cells show nuclear Ace2-YFP localization.

92

93 Figure S9. Total loss of asymmetry in *pob3-7* W303 isogenic strain.

94 (A) Representative fluorescence microscopy images of *pob3-7* and *pob3-7 POB3*
95 cells grow at 23°C (left panel) and 37°C (right panel) for 5 hours. Percentage of
96 all cells (B) and cells in different cell cycle stages (C) with Ace2-YFP in the
97 nucleus at 23°C and 37°C. For telophase cells, the percentage of symmetric cells
98 is represented (Ace2-YFP in both mother and daughter cells). P values for
99 comparisons in B and C calculated with Fisher's exact test, ** 0.01>p>0.001, ***
100 p<0.001. (D) and (E) Frequency distribution of nuclear Ace2-YFP intensity of all
101 cells (D) and cells in different cell cycle stages (E) at 23°C and 37°C. Only cells
102 with Ace2-YFP in the nucleus are represented. Cell cycle stages with n<10 are
103 not plotted. Median (solid line) and quartiles (dotted line). Median (lower quartile
104 25%, upper quartile 75%): all cells *pob3-7* 23°C 81 (28, 145) and 37 °C 48 (31,
105 74), *pob3-7 POB3* 23°C 64 (28, 110) and 37°C 39 (28, 59) ; G1 cells *pob3-7*
106 23°C 28 (17, 81) and 37 °C 67 (43, 85), *pob3-7 POB3* 23°C 26(18, 28) and 37°C
107 38(25, 60); S/M cells *pob3-7* 23°C 22 (18, 22) and 37 °C 30 (25, 38), *pob3-7*
108 *POB3* 23°C 15 (n=1) and 37°C 33 (25, 42); Telophase cells *pob3-7* 23°C 45 (18,
109 164) and 37 °C 53 (37, 85), *pob3-7 POB3* 23°C 45 (19, 85) and 37°C 44 (32, 72).
110 P values for comparison in D and E calculated with Kruskal-Wallis test, ***
111 p<0.001.

112
113 Figure S10. Cbk1-GFP is mislocalized in *Spt16- AID* depleted cells (Extended
114 Fig. 5A).

115 Representative fluorescence microscopy images of Cbk1-GFP localization in
116 *spt16-AID* cells grown in ethanol or auxin for 5 hours. Arrows depict sites of
117 polarized growth with clear Cbk1-GFP localization in ethanol grown cells. In
118 *Spt16-AID* depleted cells (auxin), Cbk1-GFP is mislocalized and it no longer
119 localizes to sites of polarized growth or bud neck. Instead, Cbk1-GFP localized in
120 bright cytoplasmic foci.

121
122 Figure S11. Mob2-GFP is mislocalized in *Spt16- AID* depleted cells (Extended
123 Fig 5B)

124 Representative fluorescence microscopy images of Mob2-GFP localization in
125 *spt16-AID* cells grown in ethanol or auxin for 5 hours. Arrows depict sites of
126 polarized growth with clear Mob2-GFP localization in ethanol grown cells. In
127 *Spt16-AID* depleted cells (auxin), Mob2-GFP is mislocalized and it no longer
128 localizes to sites of polarized growth or bud neck. Instead, Cbk1-GFP localized in
129 bright cytoplasmic foci at all cell cycle stages.

130

131 Figure S12. Cbk1-GFP is mislocalized in *spt16-1* W303 isogenic strain.
132 Representative fluorescence microscopy images of Cbk1-GFP localization in
133 *spt16-1* cells grown at 23°C and 37°C for 5 hours. Arrows depict sites of
134 polarized growth with clear Cbk1-GFP localization cells grown at 23°C. In cells
135 grown at 37°C Cbk1-GFP is mislocalized and it no longer localizes to sites of
136 polarized growth or bud neck. Instead, Cbk1-GFP localized to bright cytoplasmic
137 foci at all cell cycle stages.

138

139 Figure S13. Mob2-RFP is mislocalized in *spt16-1* W303 isogenic strain.
140 Fluorescence microscopy representative images of Mob2-RFP and Ace2-YFP
141 localization in *spt16-1* cells grown at 23°C and 37°C for 5 hours. In cells grown at
142 23°C, Mob2-RFP is localized to the bud neck. At 37°C Mob2-RFP is localized to
143 bright cytoplasmic foci at all cell cycle stages. No clear Mob2-RFP localization
144 was visible at sites of polarized growth both at 23°C and 37°C, probably due to
145 low Mob2-RFP signal. At 23°C, Ace2-YFP localization is restricted to the
146 daughter nucleus of telophase cells, whereas at 37°C all cells contain Ace2-YFP
147 in the nucleus

148

149 Figure S14. Swi5-GFP localization in *spt16-1* W303 isogenic strain
150 Representative fluorescence microscopy images of Swi5-GFP localization in
151 *spt16-1* cells grown for 5 hours. Both at 23°C and 37°C, Swi5-GFP nuclear
152 localization restricted to cells at the end of mitosis.

153

154 Figure S15. CRM1-OX does not rescue *spt16-ts* Ace2 loss of asymmetry
155 phenotype.
156 (A) Fluorescence microscopy images of wild type and *spt16-ts* cells grown on
157 raffinose or galactose (CRM1-OX) for 5 hours at 37°C. (B) Percentage of cells
158 with Ace2-YFP in the nucleus: wild type 51%, wild type CRM1-OX 35%, *spt16-ts*
159 93% and *spt16-ts* CRM1-OX 82%. Error bars indicate 95% confidence interval. P
160 value calculated with Fisher's exact test. (C) Nuclear Ace2-YFP fluorescence
161 intensity. The plot shows the median and quartiles (error bars). Median (lower
162 quartile 25%, upper quartile 75%): wild type 68 (32, 168), wild type CRM1-OX
163 106 (41, 180), *spt16-ts* 56 (43, 70), *spt16-ts* CRM1-OX 51 (39, 63). P values
164 calculated with Kruskal-Wallis test.

165

166 Supplementary tables

167 Table S1. Strains, plasmids and primers used in this study

168

169 Table S2. List of the temperature-sensitive alleles tested in the Ace2-YFP
170 screen.

171

172 Table S3. Asymmetry index for mtw1-1 and *spt16-1* symmetric cells at the
173 restrictive temperature.

174

175

Figure S1

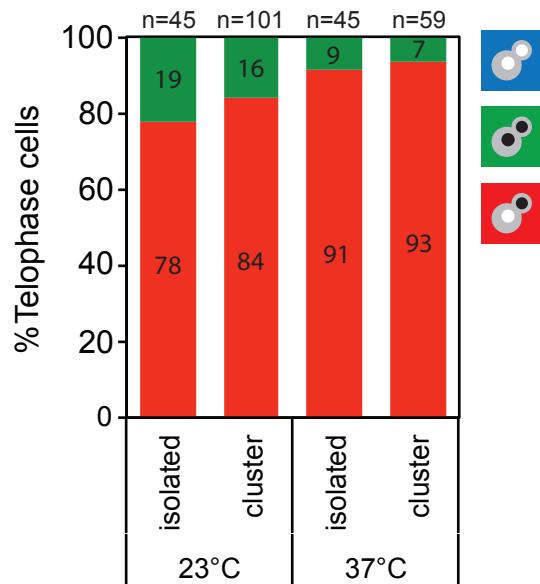
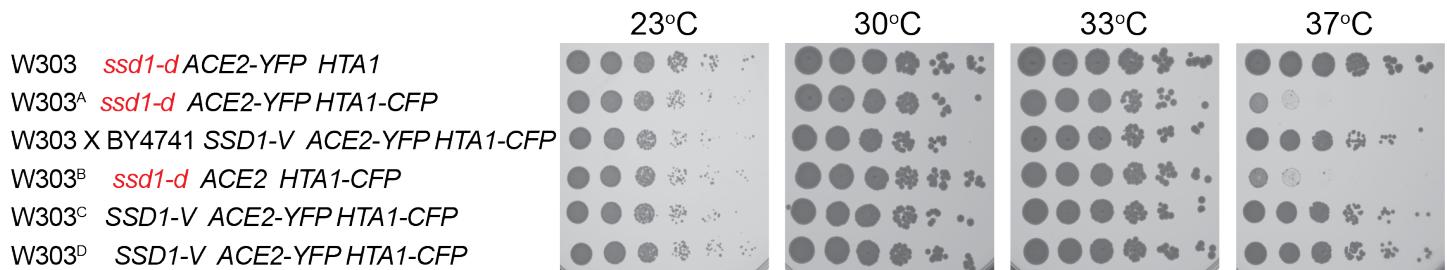


Figure S2

A



B

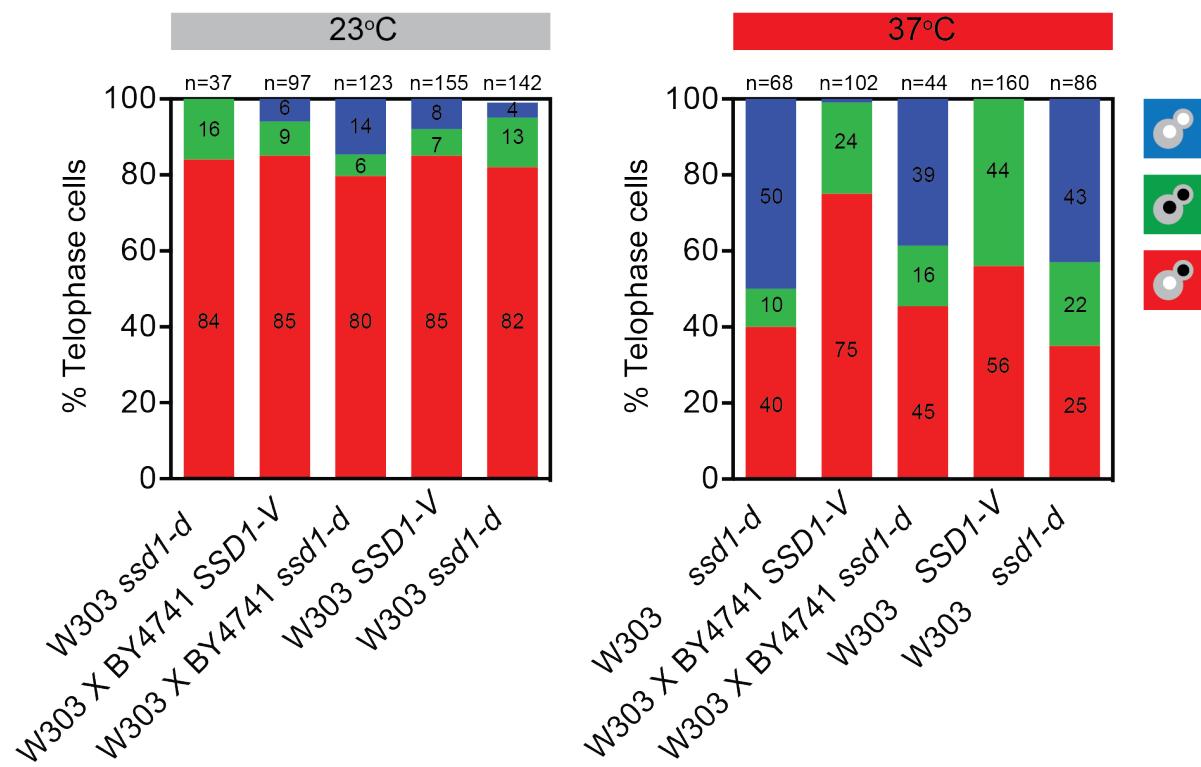


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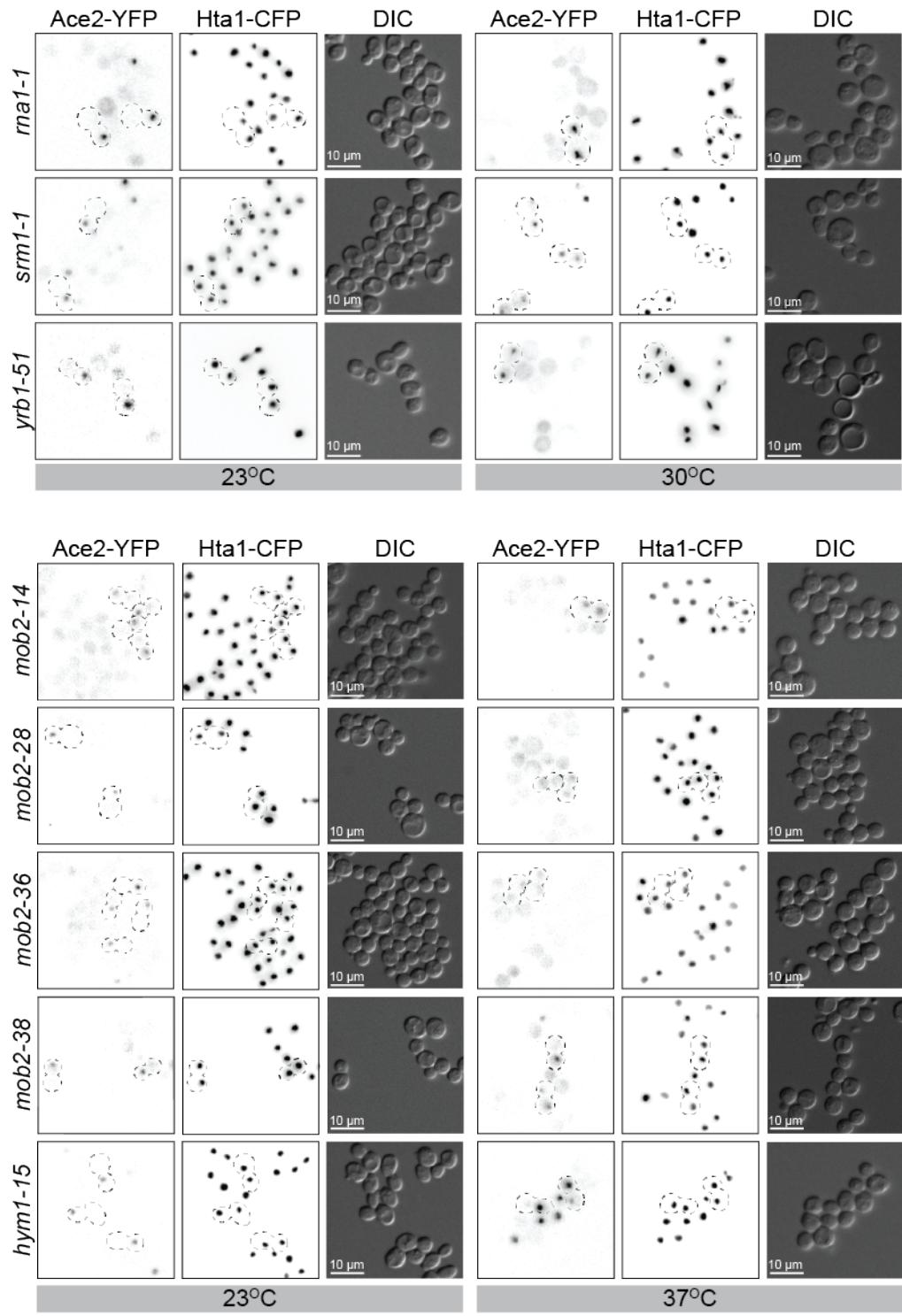


Figure S4

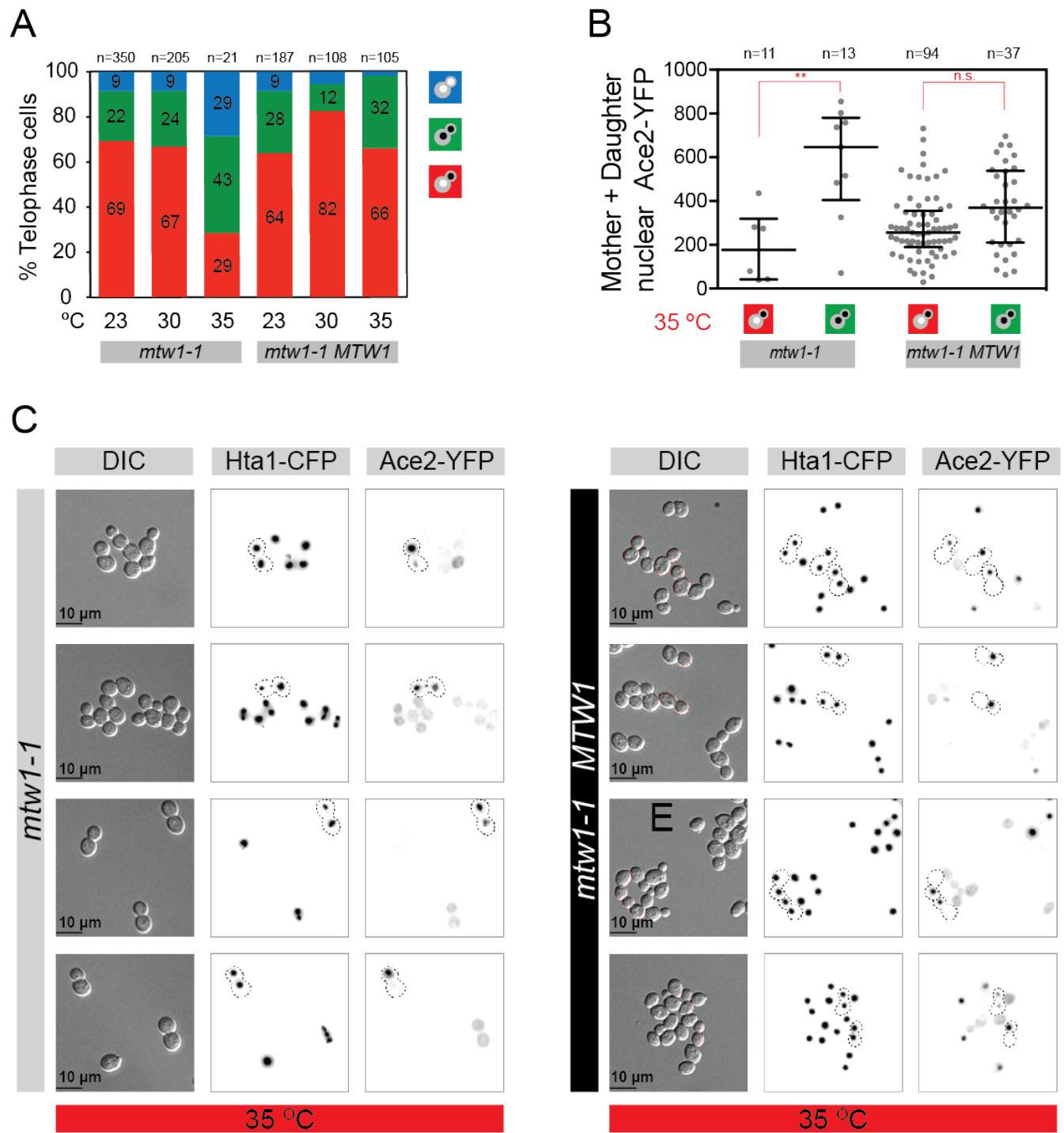
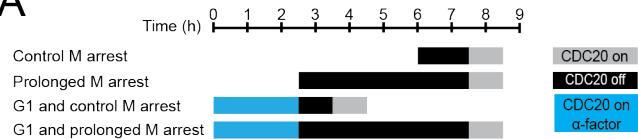
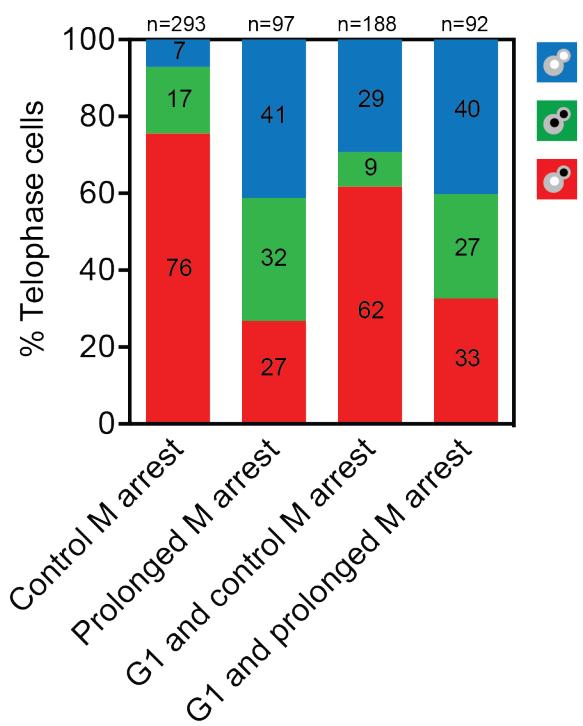


Figure S5

A



B



C

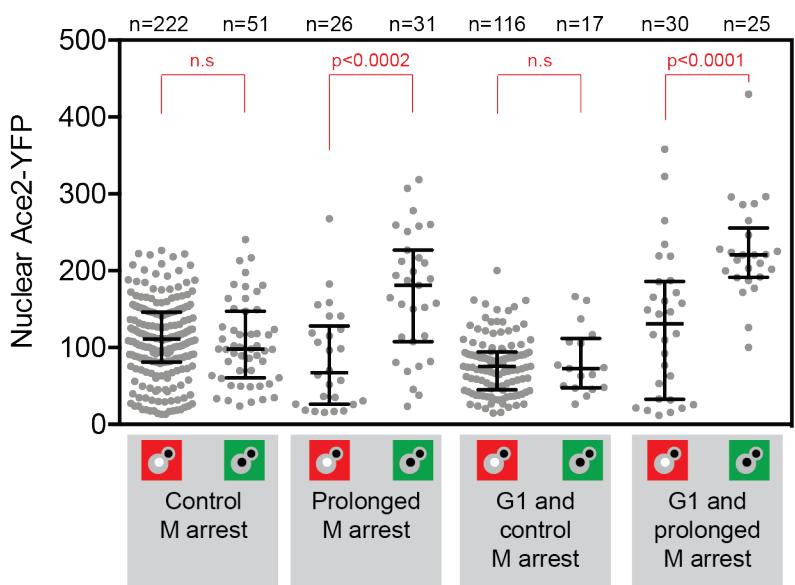


Figure S6

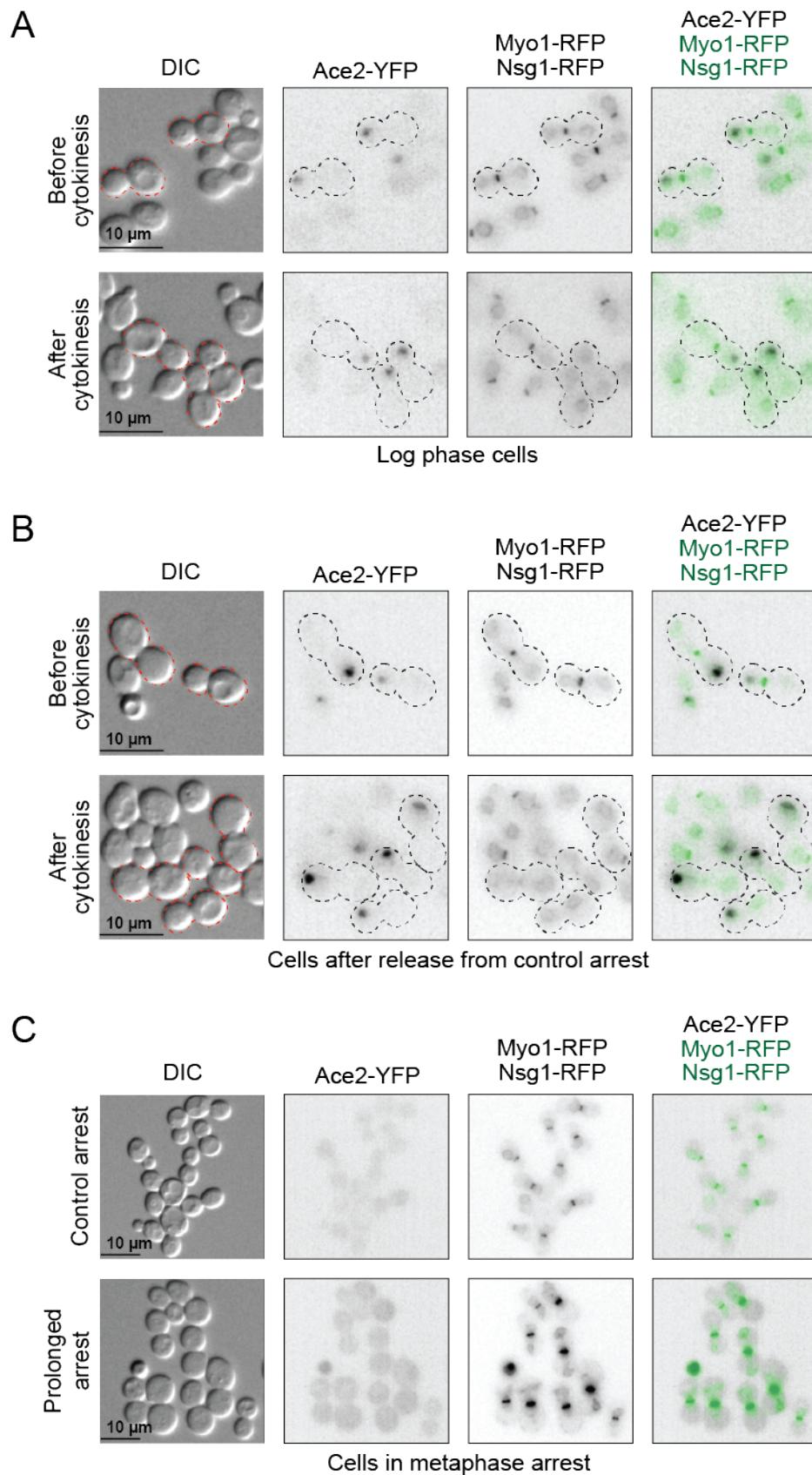
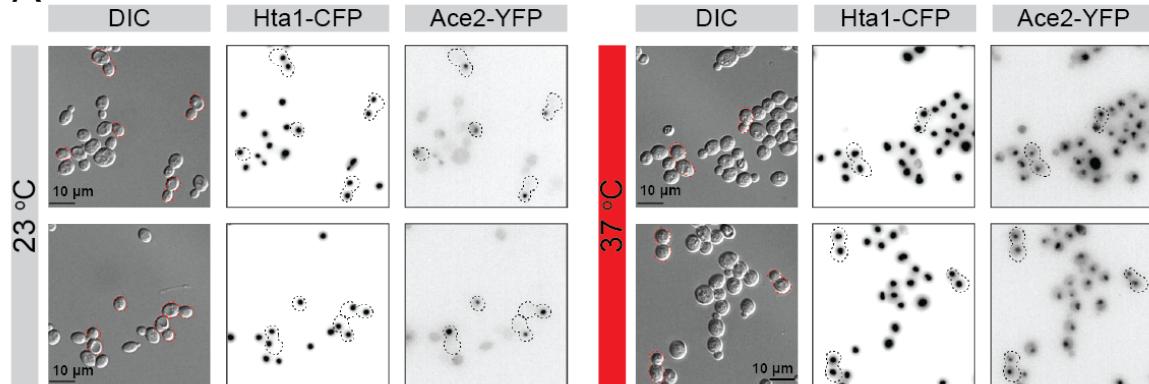
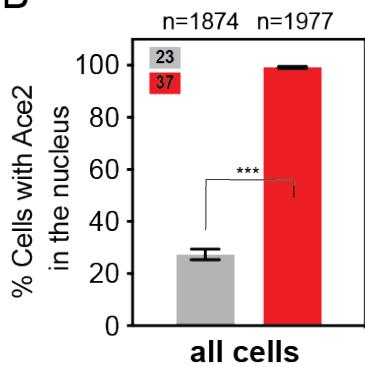


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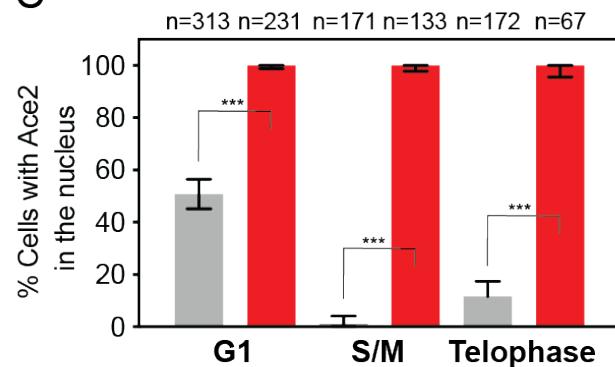
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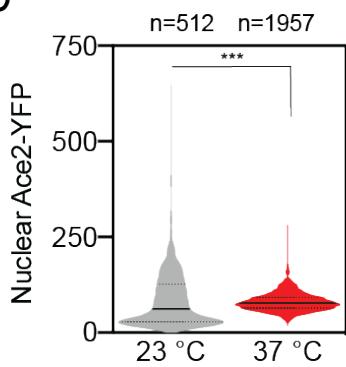
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C



D



E

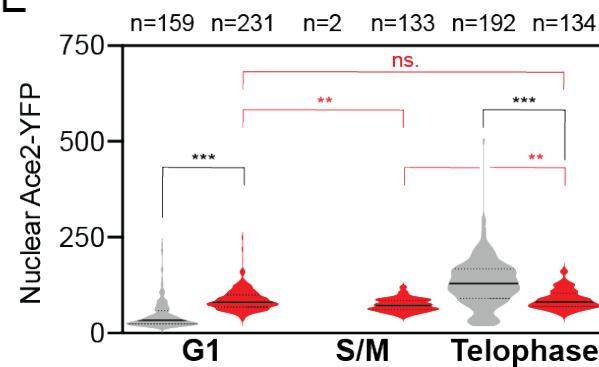


Figure S8

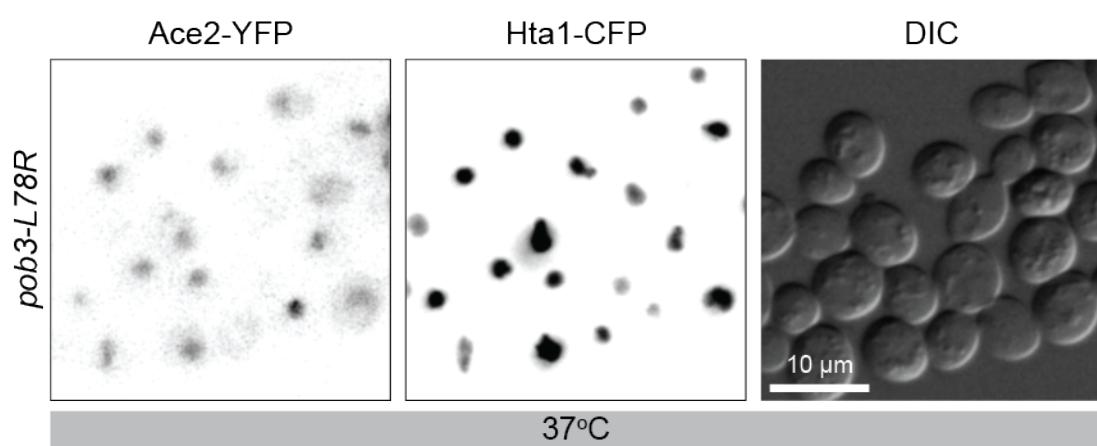
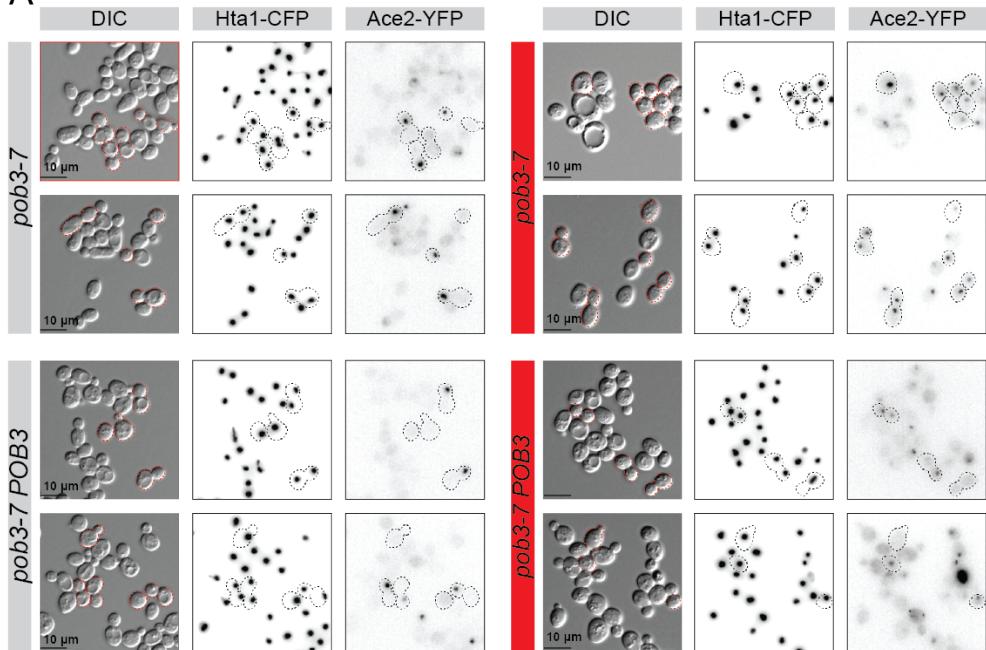
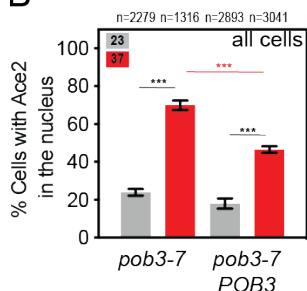


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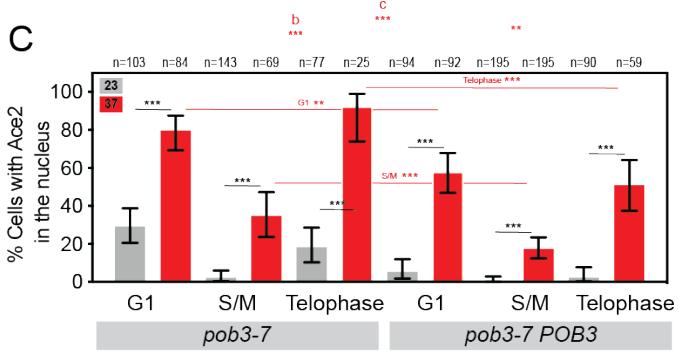
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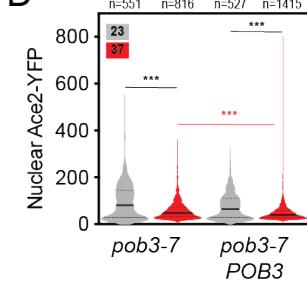
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C



D



E

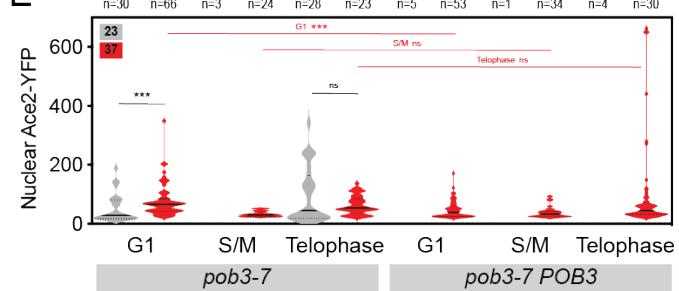


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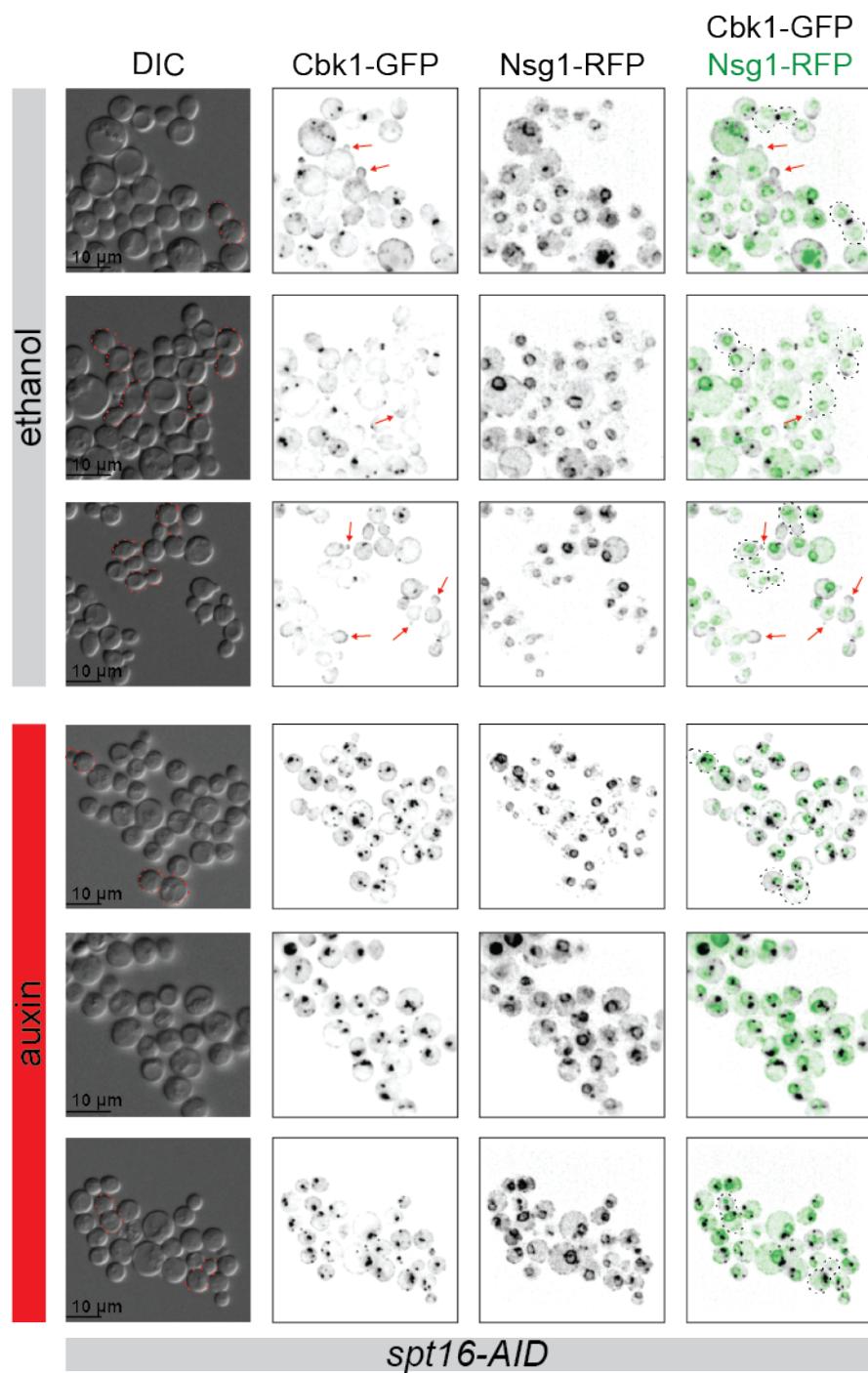


Figure S11

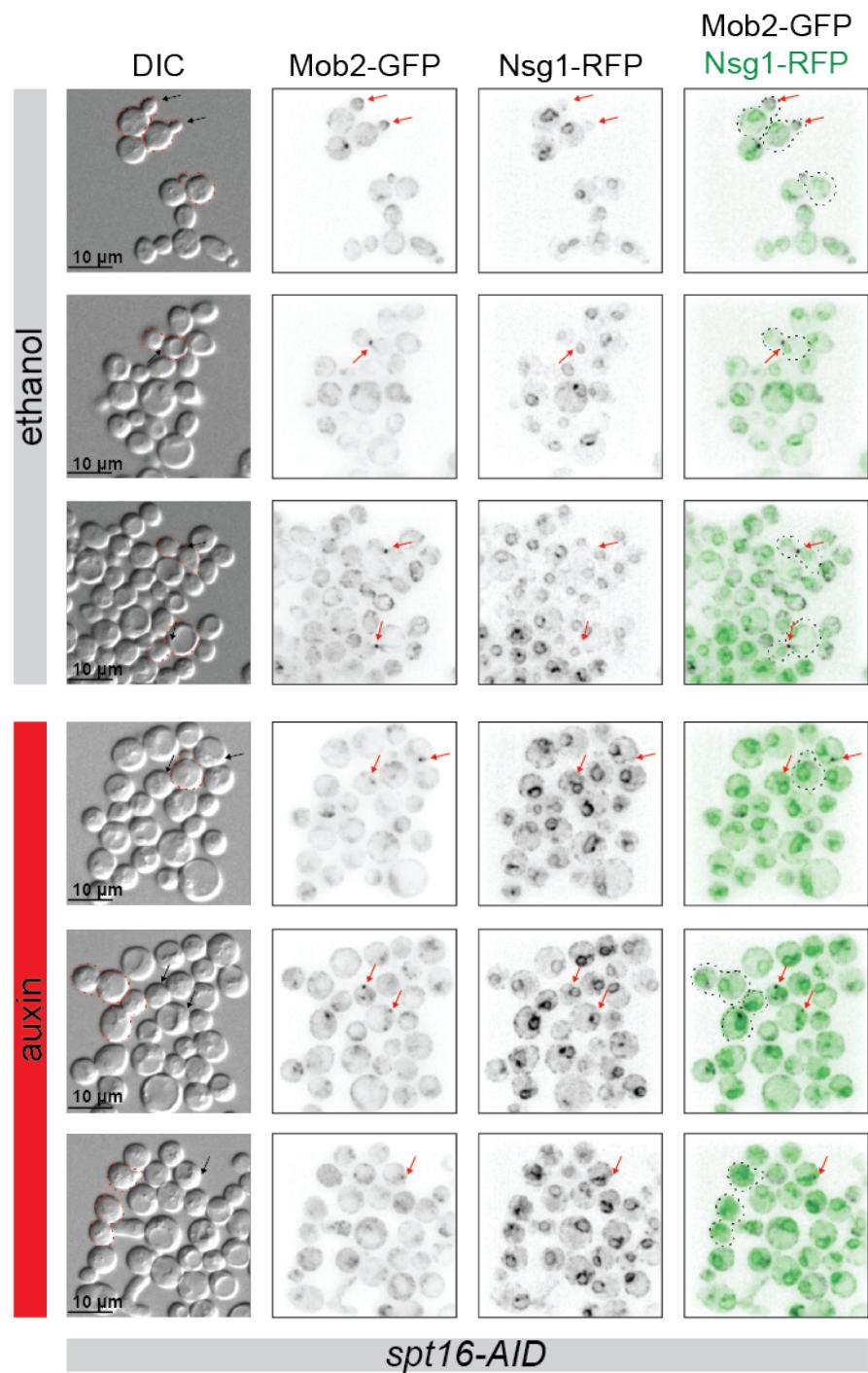


Figure S12

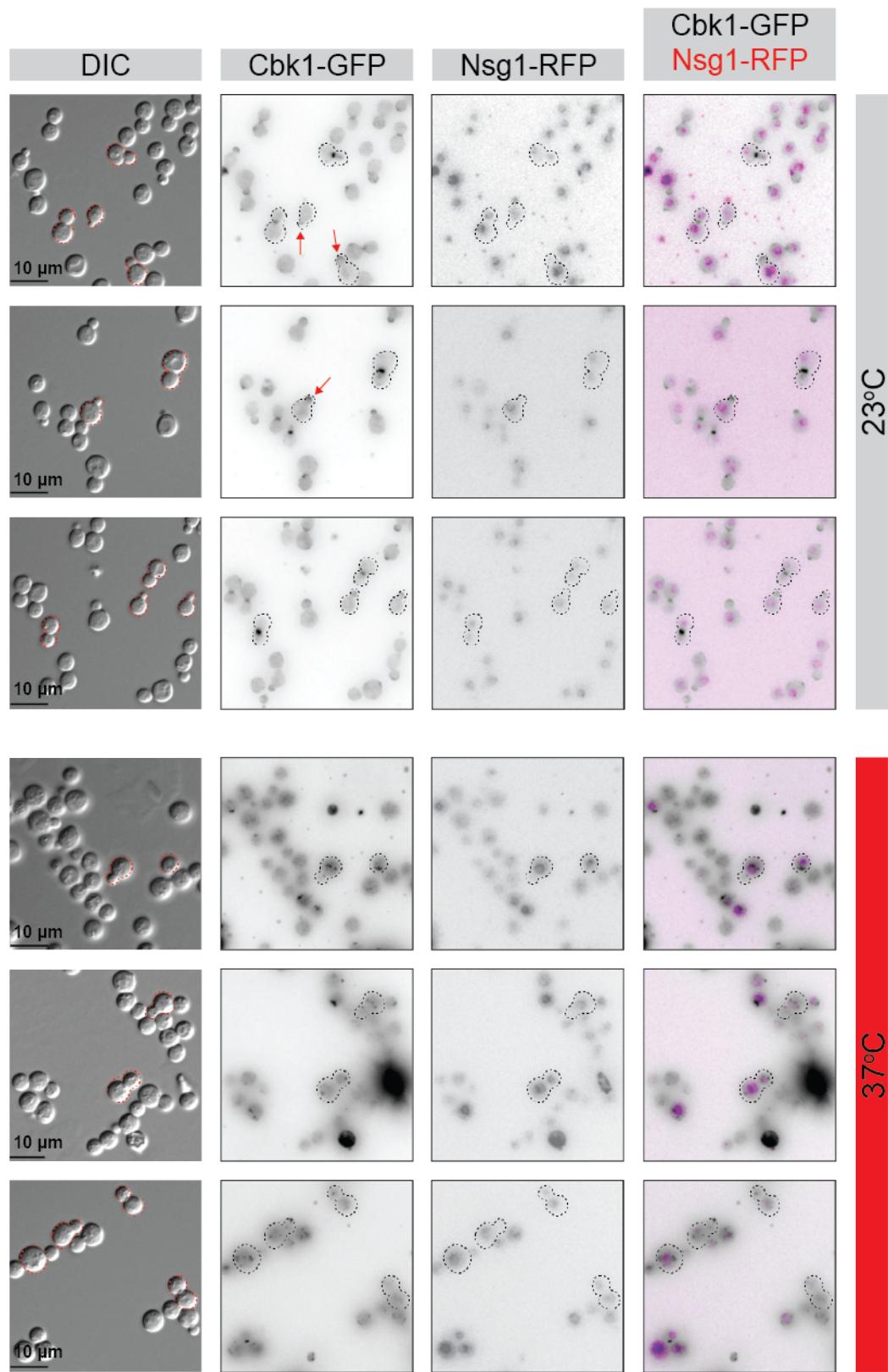


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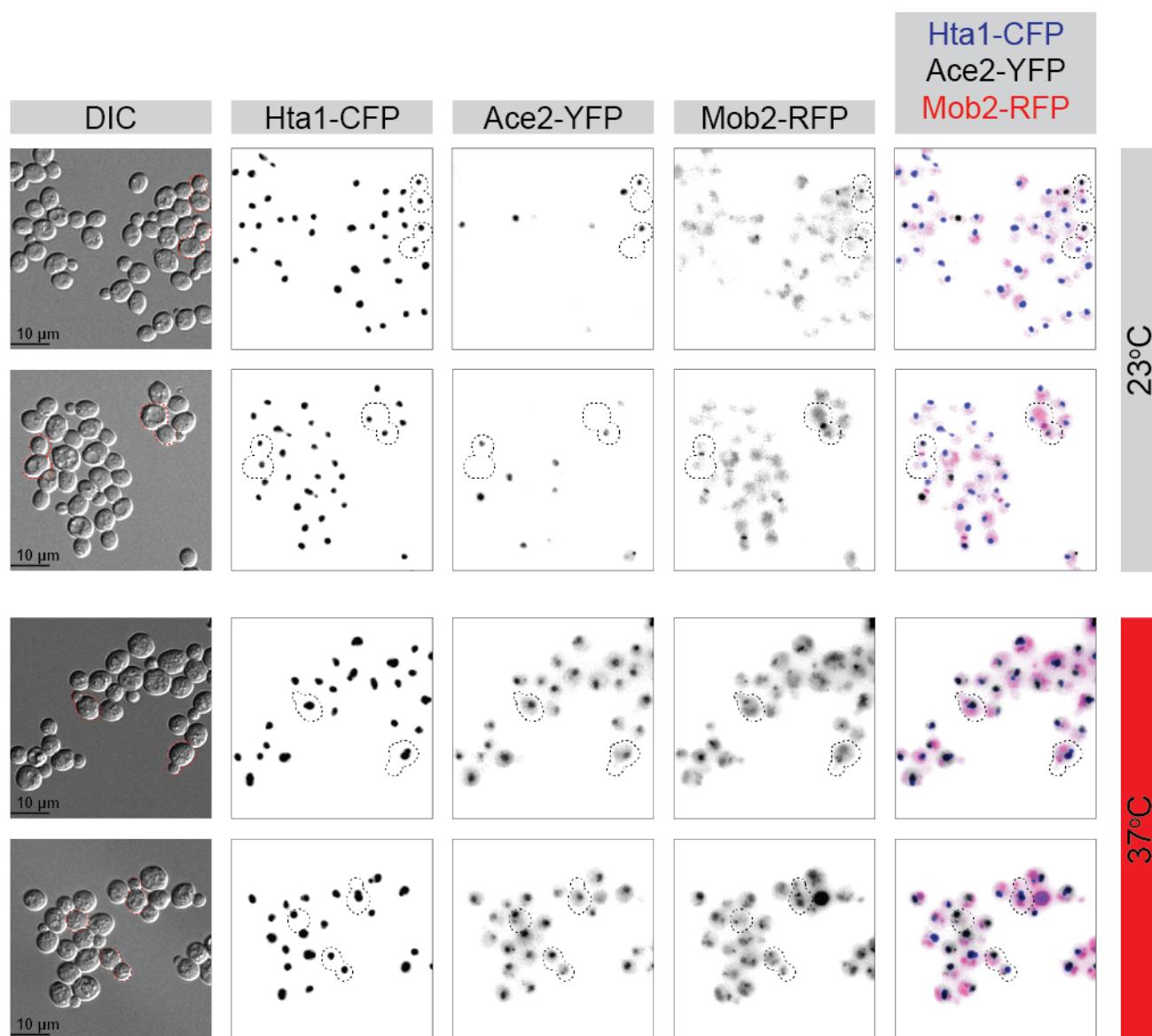


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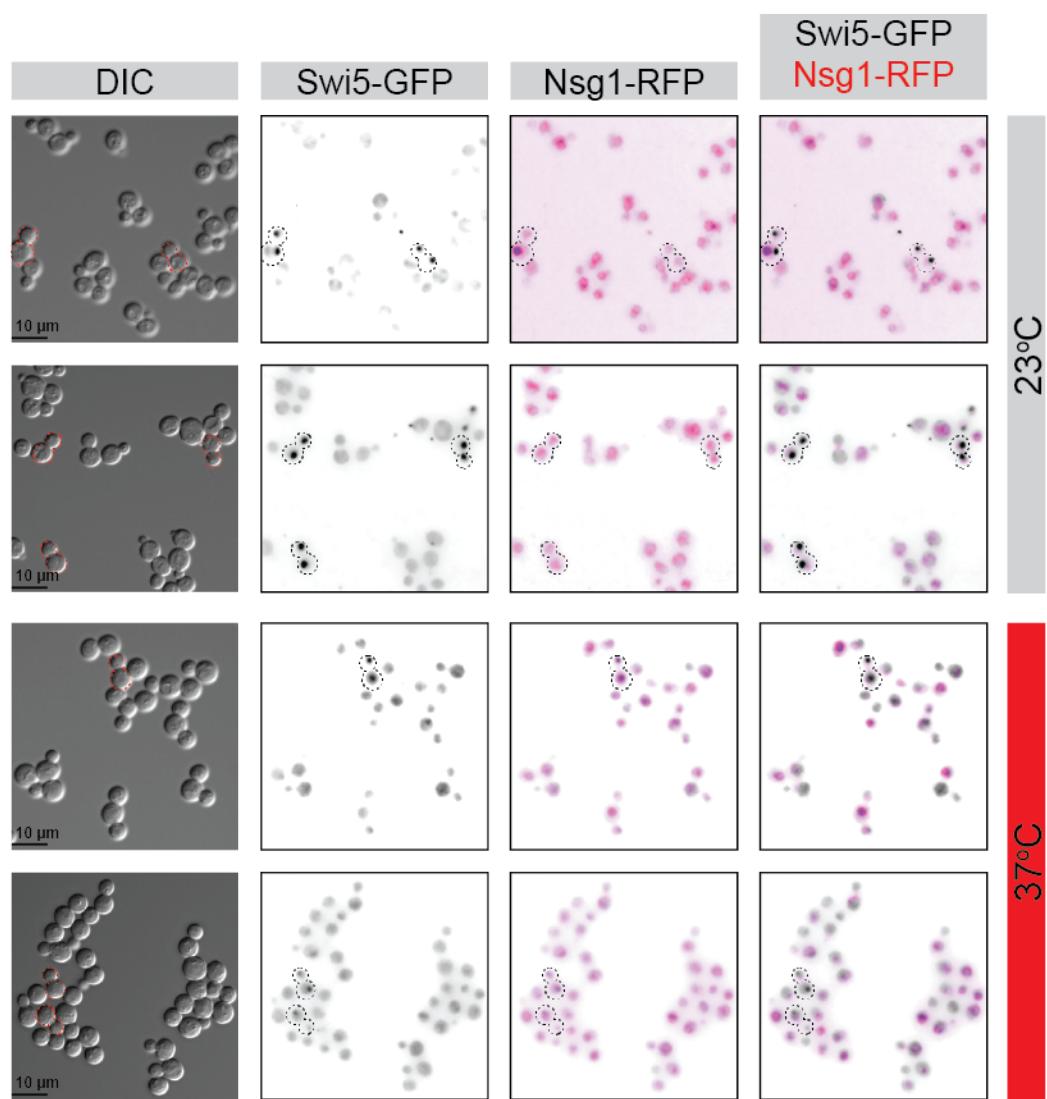
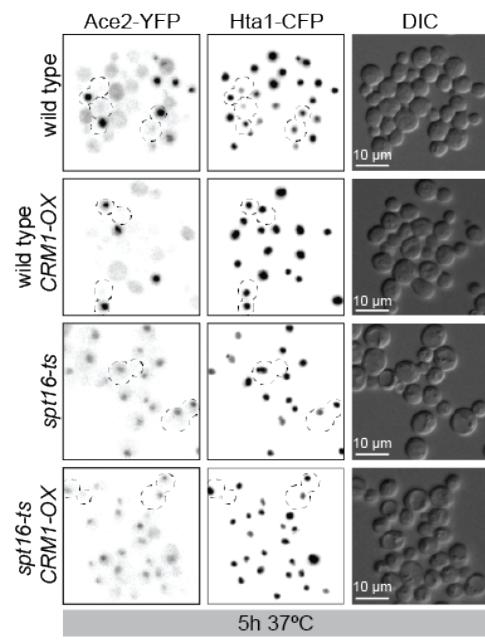
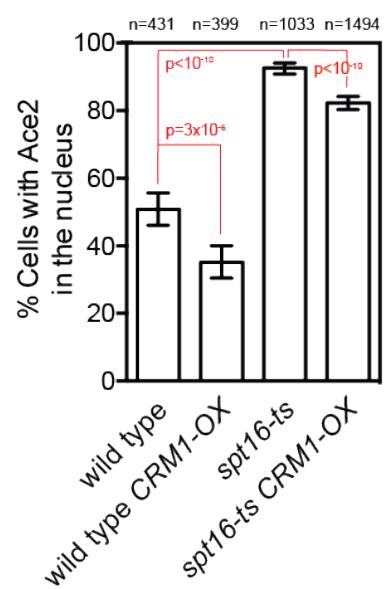


Figure S15

A



B



C

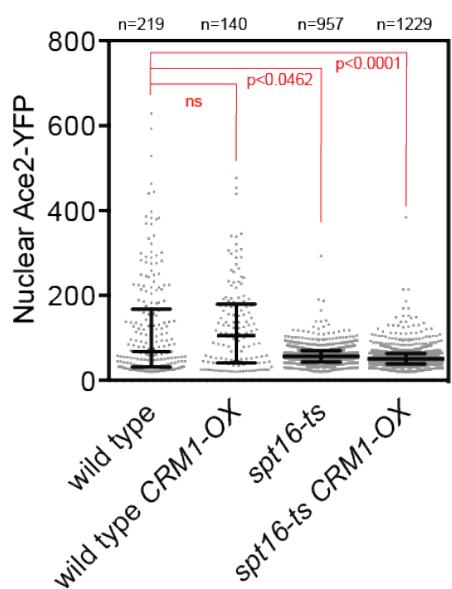


Table S1

| Strain code | Genotype | Source | Genetic background | Figure |
|-------------------------------|--|-----------------|--------------------|---------------------|
| PT31-7SD | MATA ADE2 <i>lyp1Δ::STE3pr-LEU2 trp1-1 LYS2 leu2-3,112 ura3-1 DYN1 ACE2-YFP::NAT HTA1-CFP::HYG</i> | This study | W303 | |
| ts collection | MATA <i>his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 xxx-ts::KANMX</i> | Li et al., 2011 | BY4741 | |
| Ac2e-YFP screen ts collection | MATA <i>leu2Δ0 lyp1Δ::STE3pr-LEU2 ACE2-YFP::NAT HTA1-CFP::HYG xxx-ts::KANMX</i> | This study | hybrid W303-BY4741 | |
| mtw1-1 from screen | MATA <i>leu2Δ0 lyp1Δ::STE3pr-LEU2 ACE2-YFP::NAT HTA1-CFP::HYG mtw1-1::KANMX</i> | This study | hybrid W303-BY4741 | Figure 2E |
| spt16-ts SSD1-V | MATA <i>leu2Δ0 lyp1Δ::STE3pr-LEU2 ACE2-YFP::NAT HTA1-CFP::HYG spt16-ts::KANMX SSD1-V</i> | This study | hybrid W303-BY4741 | Figure 2F, 4AB, S15 |
| crm1-1 from screen | MATA <i>leu2Δ0 lyp1Δ::STE3pr-LEU2 ACE2-YFP::NAT HTA1-CFP::HYG crm1-1::KANMX</i> | This study | hybrid W303-BY4741 | Figure 2G |
| PT68-2D | MATA ADE2 <i>lyp1Δ::STE3pr-LEU2 LYS2 leu2-3,112 MET15 DYN1 ACE2-YFP::NAT HTA1-CFP::HYG ura3-1::ADH1pMTW1::URA3 mtw1-ts::KAMX SSD1-V</i> | This study | hybrid W303-BY4741 | Figure 3A-C |
| PT68-3B | MATA ADE2 <i>lyp1Δ::STE3pr-LEU2 can1Δ::STE2pr-Sp_his5 LYS2 leu2-3,112 MET15 DYN1 ACE2-YFP::NAT HTA1-CFP::HYG mtw1-ts::KAMX SSD1-V</i> | This study | hybrid W303-BY4741 | Figure 3A-C |
| T230 | MATA ADE2 <i>lyp1Δ::STE3pr-LEU2 trp1-1 LYS2 leu2-3,112 ura3-1 ACE2-YFP::NAT HTA1-CFP::HYG cdc20::MET3pr-CDC20::TRP1 can1Δ::STE2pr-Sp_his5 bar1Δ::LEU2</i> | This study | W303 | Figure 3D-F, S5 |
| PT214-3D | MATA ADE2 <i>LYS2 leu2-3,112 trp1-1 ura3-1 his3-11,15 ACE2-YFP::NAT cdc20::MET3pr-CDC20::TRP1 Nsg1-RFP::NAT Myo1-RFP::HYG SSD1-V</i> | This study | hybrid W303-BY4741 | Figure 3G-K, S6 |
| T510 | MATA ADE2 <i>leu2-3,112 his3-11,15 ura3-1 MET15 trp1-1 LYS2 RAD5 SWI5-GFP::HIS3 Nsg1-RFP::NAT bar1::LEU ura3-1::ADH1pAFB2::URA3 SSD1-V</i> | This study | hybrid W303-BY4741 | Figure 4C |
| T514 | MATA ADE2 <i>leu2-3,112 his3-11,15 ura3-1 MET15 trp1-1 LYS2 RAD5 SWI5-GFP::HIS3 Nsg1-RFP::NAT bar1::LEU ura3-1::ADH1pAFB2::URA3 SPT16-6FLAG::HYG MX SSD1-V</i> | This study | hybrid W303-BY4741 | Figure 4C |
| PT229-26B | MATA ADE2 <i>leu2-3,112 his3-11,15 ura3-1 MET15 trp1-1 lys2 RAD5 Nsg1-RFP::NAT bar1::LEU swi5-GFP::HIS3 SPT16-6FLAG::HYG MX</i> | This study | hybrid W303-BY4741 | Figure 4C |
| T518 | MATA ADE2 <i>leu2-3,112 his3-11,15 MET15 trp1-1 LYS2 RAD5 SWI5-GFP::HIS3 Nsg1-RFP::NAT bar1::LEU ura3-1::ADH1pAFB2::URA3 SPT16-6FLAG::HYG MX SSD1-V</i> | This study | hybrid W303-BY4741 | Figure 4C, S5 |
| T577 | MATA ADE2 <i>trp1-1 LYS2 leu2-3,112 his3-11,15 ura3-1 MET15 trp1-1 lys2 RAD5 bar1Δ::LEU ACE2-YFP::NAT HTA1-CFP::KAN ura3-1::ADH1pAFB2::URA3 SSD1-D SPT16-6FLAG::HYG</i> | This study | W303 | Figure 4D-F |
| PT246-1B | MATA ADE2 <i>lyp1Δ::STE3pr-LEU2 LYS2 leu2-3,112 TRP1 MET15 DYN1 ACE2-YFP::NAT HTA1-CFP::HYG SSD1-D pob3-7::KANMX</i> | This study | hybrid W303-BY4741 | Figure 4G-K |
| PT246-6D | MATA ADE2 <i>lyp1Δ::STE3pr-LEU2 LYS2 leu2-3,112 TRP1 MET15 DYN1 ACE2-YFP::NAT HTA1-CFP::HYG SSD1-D pob3-7::KANMX ura3-1::POB3pPOB3::URA3</i> | This study | hybrid W303-BY4741 | Figure 4J-K |
| T592 | MATA ADE2 <i>leu2-3,112 his3Δ1 ura3-1 MET15 trp1-1 lys2 RAD5 bar1Δ::LEU Nsg1-RFP::NAT Myo1-RFP::HYG SSD1-D Cbk1-GFP::HIS3 ura3-1::ADH1pAFB2::URA3 SPT16-6FLAG::HYG</i> | This study | hybrid W303-BY4741 | Figure 5A, S10 |
| T593 | MATA ADE2 <i>leu2-3,112 his3Δ1 ura3-1 MET15 trp1-1 lys2 RAD5 bar1Δ::LEU Nsg1-RFP::NAT Myo1-RFP::HYG SSD1-D Mob2-GFP::HIS3 ura3-1::ADH1pAFB2::URA3 SPT16-6FLAG::HYG</i> | This study | hybrid W303-BY4741 | Figure 5B, S11 |
| T572 | MATA ADE2 <i>leu2-3,112 his3Δ1 MET15 TRP1 LYS2 RAD5 Ace2-YFP::NAT Nsg1-RFP::NAT ura3-1::ADH1pAFB2::URA3 SPT16-6FLAG::HYG MX SSD1-D</i> | This study | hybrid W303-BY4741 | Figure 5C |
| T586 | MATA ADE2 <i>leu2-3,112 his3Δ1 MET15 TRP1 LYS2 RAD5 Ace2-YFP::NAT Nsg1-RFP::NAT ura3-1::ADH1pAFB2::URA3 SPT16-6FLAG::HYG MX cbk1Δ::KANMX SSD1-D</i> | This study | hybrid W303-BY4741 | Figure 5C |
| T296-5,6 | MATA ADE2 <i>lyp1Δ::STE3pr-LEU2 trp1-1 LYS2 leu2-3,112 ura3-1 MET15 DYN1 ACE2-YFP::NAT HTA1-CFP::HYG can1Δ::STE2pr-Sp_his5 SSD1-V::TRP1</i> | This study | W303 | Figure S1,S2 |
| PT64-4B | MATA ADE2 <i>trp1-1 LYS2 leu2-3,112 ura3-1 DYN1 ACE2-YFP::NAT HTA1-CFP::HYG SSD1-D</i> | This study | hybrid W303-BY4741 | Figure S2 |
| PT68-4D | MATA ADE2 <i>lyp1Δ::STE3pr-LEU2 LYS2 leu2-3,112 MET15 DYN1 ACE2-YFP::NAT HTA1-CFP::HYG can1Δ::STE2pr-Sp_his5 SSD1-V</i> | This study | hybrid W303-BY4741 | Figure S2 |
| PT31-52A | MATA ADE2 <i>lyp1Δ::STE3pr-LEU2 trp1-1 LYS2 leu2-3,112 ura3-1 MET15 DYN1 ACE2-YFP::NAT HTA1-CFP::HYG can1Δ::STE2pr-Sp_his5 SSD1-D</i> | This study | W303 | Figure S2 |
| T296-4-9 | MATA ADE2 <i>lyp1Δ::STE3pr-LEU2 trp1-1 LYS2 leu2-3,112 ura3-1 MET15 DYN1 ACE2-YFP::NAT HTA1-CFP::HYG can1Δ::STE2pr-Sp_his5 SSD1-D::TRP1</i> | This study | W303 | Figure S2 |
| ma1-1 from screen | MATA <i>leu2Δ0 lyp1Δ::STE3pr-LEU2 ACE2-YFP::NAT HTA1-CFP::HYG ma1-1::KANMX</i> | This study | hybrid W303-BY4741 | Figure S3 |
| srm1-1 from screen | MATA <i>leu2Δ0 lyp1Δ::STE3pr-LEU2 ACE2-YFP::NAT HTA1-CFP::HYG srm1-1::KANMX</i> | This study | hybrid W303-BY4741 | Figure S3 |
| yrb1-51 from screen | MATA <i>leu2Δ0 lyp1Δ::STE3pr-LEU2 ACE2-YFP::NAT HTA1-CFP::HYG yrb1-51::KANMX</i> | This study | hybrid W303-BY4741 | Figure S3 |
| mob2-14 from screen | MATA <i>leu2Δ0 lyp1Δ::STE3pr-LEU2 ACE2-YFP::NAT HTA1-CFP::HYG mob2-14::KANMX</i> | This study | hybrid W303-BY4741 | Figure S3 |
| mob2-28 from screen | MATA <i>leu2Δ0 lyp1Δ::STE3pr-LEU2 ACE2-YFP::NAT HTA1-CFP::HYG mob2-28::KANMX</i> | This study | hybrid W303-BY4741 | Figure S3 |
| mob2-36 from screen | MATA <i>leu2Δ0 lyp1Δ::STE3pr-LEU2 ACE2-YFP::NAT HTA1-CFP::HYG mob2-36::KANMX</i> | This study | hybrid W303-BY4741 | Figure S3 |
| mob2-38 from screen | MATA <i>leu2Δ0 lyp1Δ::STE3pr-LEU2 ACE2-YFP::NAT HTA1-CFP::HYG mob2-38::KANMX</i> | This study | hybrid W303-BY4741 | Figure S3 |
| hym1-15 from screen | MATA <i>leu2Δ0 lyp1Δ::STE3pr-LEU2 ACE2-YFP::NAT HTA1-CFP::HYG hym1-15::KANMX</i> | This study | hybrid W303-BY4741 | Figure S3 |
| PT316-17B | MATA <i>leu2-3,112 ura3-1 LYS2 trp1-1 mtw1-1::KANMX ACE2-YFP::NAT HTA1-CFP::HYG can1Δ::STE2pr-Sp_his5 SSD1-V::TRP1</i> | This study | W303 | Figure S4 |
| T727-3 | MATA <i>leu2-3,112 ura3-1 LYS2 trp1-1 mtw1-1::KANMX ACE2-YFP::NAT HTA1-CFP::HYG can1Δ::STE2pr-Sp_his5 SSD1-V::TRP1 ura3-1::ADH1pMTW1::URA3</i> | This study | W303 | Figure S4 |
| T691 | MATA ADE2 <i>lyp1Δ::STE3pr-LEU2 trp1-1 LYS2 leu2-3,112 ura3-1 MET15 DYN1 ACE2-YFP::NAT HTA1-CFP::HYG can1Δ::STE2pr-Sp_his5 SSD1-V::TRP1 spt16-1::KANMX</i> | This study | W303 | Figure S7 |
| pob3-L78R from screen | MATA <i>leu2Δ0 lyp1Δ::STE3pr-LEU2 ACE2-YFP::NAT HTA1-CFP::HYG pob3-L78R::KANMX</i> | This study | hybrid W303-BY4741 | Figure S8 |
| PT322-1D | MATA <i>SSD1-V::TRP1 ACE2-YFP::NAT HTA1-CFP::HYG pob3-7::KAN</i> | This study | W303 | Figure S9 |
| T751 | MATA <i>SSD1-V::TRP1 ACE2-YFP::NAT HTA1-CFP::HYG pob3-7::KAN ura3-1::POB3pPOB3::URA3</i> | This study | W303 | Figure S9 |
| T752 | MATA <i>NSG1-RFP::NAT spt16-1::KAN SSD1-V::TRP1 CBK1-GFP::HIS</i> | This study | W303 | Figure S12 |
| T720 | MATA ADE2 <i>lyp1Δ::STE3pr-LEU2 trp1-1 LYS2 leu2-3,112 ura3-1 MET15 DYN1 ACE2-YFP::NAT HTA1-CFP::HYG can1Δ::STE2pr-Sp_his5 SSD1-V::TRP1 spt16-1::KANMX MOB2-RFP::KUR48</i> | This study | W303 | Figure S13 |
| PT321-17C | MATA ADE2 <i>leu2-3,112 his3-11,15 ura3-1 TRP1 LYS2 RAD5 SWI5-GFP::HIS Nsg1-RFP::NAT spt16-ts::KAN SSD1-V::TRP</i> | This study | W303 | Figure S14 |
| Plasmid name | Genotype | Source | | |
| pX58 | pHYG-AID-6FLAG | Helle Ulrich | | |
| pHT453 | Yiplac211_ADH_AFB2 URA3 | This Study | | |
| PHT345 | Yiplac211_GALpCRM1 | This study | | |
| pHT259 | Yiplac211 ADH1-Mtw1 | This study | | |
| pHT309 | Yiplac211 POB3 locus | This study | | |
| Primer name | Sequence 5' to 3' | Source | | |
| Spt16end-AID-F | GAATTAGAGAAAAAGGCTGCTAGGGCTGATAAGGGTGCACCAACTTTAGAGATCGTAGCTGCAGGTCGAC | This Study | | |
| CYCT-Spt16dss-R | CTGTCAAGATCAAGGCTGCTGGTAAACCCGTAAGTGTATAAGTATCGATAATTGAGCTCG | This study | | |
| Ssd1-dCap-EcoRI-F | GGCCAATCACATCTTGCAT | This study | | |
| Ssd1-dCap-EcoRI-R | CAAGCTCGGAAATTGCAAAGGAATT | This study | | |

Table S2 ts mutants, Page 1

Table S2

| # | Open Reading Frame | Restrictive Temperature | Allele | Ace2 phenotype |
|----|--------------------|--------------------------|-------------------|----------------|
| 1 | YER012W | 38.5°C slow | <i>pre1-1</i> | NO |
| 2 | YKR002W | 26°C - 30°C | <i>pap1-1</i> | NO |
| 3 | YGR185C | 35°C | <i>tys1-1</i> | NO |
| 4 | YHR186C | 37°C | <i>kog1-1</i> | NO |
| 5 | YLL031C | 30°C | <i>gpi13-3</i> | NO |
| 6 | YJL001W | 38.5°C slow | <i>pre3-2</i> | NO |
| 7 | YLL031C | 35°C | <i>gpi13-5</i> | NO |
| 8 | YMR117C | 35°C | <i>spc24 4-2</i> | YES |
| 9 | YLR026C | 30°C - 35°C | <i>sed5-1</i> | YES |
| 10 | YMR168C | 35°C - 37°C | <i>cep3-1</i> | NO |
| 11 | YLR078C | 30°C | <i>bos1-1</i> | NO |
| 12 | YBR060C | 30°C | <i>orc2-1</i> | NO |
| 13 | YLR459W | 35°C | <i>gab1-1</i> | NO |
| 14 | YJR065C | 37°C - 38.5°C, slow 22°C | <i>arp3-G302Y</i> | NO |
| 15 | YLR459W | 35°C | <i>gab1-2</i> | NO |
| 16 | YJR065C | 37°C - 38.5°C | <i>arp3-H161A</i> | NO |
| 17 | YLR459W | 37°C | <i>gab1-3</i> | NO |
| 18 | YJR065C | 37°C - 38.5°C | <i>arp3-G15C</i> | NO |
| 19 | YML130C | 35°C | <i>ero1-1</i> | NO |
| 20 | YJR065C | 37°C - 38.5°C, slow 22°C | <i>arp3-F306G</i> | NO |
| 21 | YOR149C | 38.5°C very slow | <i>smp3-2</i> | NO |
| 22 | YDL108W | 37°C | <i>kin28-ts</i> | NO |
| 23 | YHR007C | 37°C | <i>erg11-td</i> | NO |
| 24 | YIL150C | 37°C | <i>mcm10-1</i> | NO |
| 25 | YPR165W | 37°C | <i>rho1-td</i> | NO |
| 26 | YBL023C | 37°C | <i>mcm2-1</i> | NO |
| 27 | YNL263C | 37°C | <i>yif1-td</i> | NO |
| 28 | YEL032W | 37°C | <i>mcm3-1</i> | NO |
| 29 | YDL102W | 37°C | <i>cdc2-7</i> | NO |
| 30 | YKL089W | 37°C | <i>mif2-3</i> | NO |
| 31 | YDR364C | 37°C | <i>cdc40-ts</i> | NO |
| 32 | YPL211W | 30°C | <i>nip7-1</i> | NO |
| 33 | YKL045W | 30°C | <i>pri2-1</i> | NO |
| 34 | YNL267W | 37°C | <i>pik1-104</i> | NO |
| 35 | YNL262W | 37°C | <i>pol2-12</i> | NO |
| 36 | YNL267W | 37°C | <i>pik1-139</i> | NO |
| 37 | YBR237W | 37°C | <i>prp5-1</i> | NO |
| 38 | YJR057W | 37°C | <i>cdc8-2</i> | NO |
| 39 | YMR235C | 30°C | <i>rna1-1</i> | YES |
| 40 | YLR310C | 37°C | <i>cdc25-1</i> | NO |
| 41 | YPL085W | 30°C | <i>sec16-2</i> | NO |
| 42 | YBR102C | 37°C | <i>exo84-102</i> | NO |
| 43 | YDR356W | 38.5°C | <i>spc110-220</i> | NO |
| 44 | YPL209C | 30°C | <i>ipl1-2</i> | YES |
| 45 | YJL090C | 37°C - 38.5°C | <i>dpb11-1</i> | NO |
| 46 | YLR088W | 38.5°C slow | <i>gaa1-ts</i> | NO |

Table S2 ts mutants, Page 2

| | | | | |
|----|---------|---------------------------------|-------------------|-----|
| 47 | YMR117C | 35°C | <i>spc24</i> 10-1 | NO |
| 48 | YDL126C | 35°C | <i>cdc48-3</i> | NO |
| 49 | YAL041W | 30°C - 35°C | <i>cdc24-5</i> | NO |
| 50 | YDL126C | 30°C, slow at 22°C - 26°C | <i>cdc48-2</i> | NO |
| 51 | YNR026C | 35°C | <i>sec12-1</i> | NO |
| 52 | YJL034W | 30°C | <i>kar2-159</i> | NO |
| 53 | YOL139C | 35°C | <i>cdc33-E72G</i> | NO |
| 54 | YFL005W | 35°C | <i>sec4-8</i> | NO |
| 55 | YOR075W | 35°C - 37°C | <i>ufe1-1</i> | NO |
| 56 | YDR054C | 35°C - 37°C | <i>cdc34-2</i> | NO |
| 57 | YLR378C | 37°C | <i>sec61-2</i> | NO |
| 58 | YBR060C | 37°C - 38.5°C, slow 26°C - 35°C | <i>orc2-4</i> | NO |
| 59 | YFL039C | 26°C - 30°C | <i>act1-111</i> | NO |
| 60 | YFL039C | 37°C | <i>act1-119</i> | NO |
| 61 | YBR060C | 30°C - 35°C | <i>orc2-2</i> | NO |
| 62 | YFL039C | 30°C | <i>act1-132</i> | NO |
| 63 | YLR268W | 37°C | <i>sec22-3</i> | NO |
| 64 | YLR229C | 37°C | <i>cdc42-1</i> | NO |
| 65 | YPR055W | 37°C | <i>sec8-9</i> | NO |
| 66 | YOR361C | 37°C | <i>pnt1-1</i> | NO |
| 67 | YLR305C | 37°C | <i>stt4-4</i> | NO |
| 68 | YDR172W | 37°C | <i>sup35-td</i> | NO |
| 69 | YGL130W | 37°C | <i>ceg1-C354</i> | NO |
| 70 | YLR310C | 37°C | <i>cdc25-2</i> | NO |
| 71 | YBR202W | 37°C | <i>cdc47-ts</i> | NO |
| 72 | YHR107C | 37°C | <i>cdc12-1</i> | NO |
| 73 | YJR076C | 30°C | <i>cdc11-4</i> | NO |
| 74 | YDR182W | 37°C | <i>cdc1-1</i> | NO |
| 75 | YJL194W | 37°C | <i>cdc6-1</i> | YES |
| 76 | YDL014W | 37°C | <i>nop1-3</i> | NO |
| 77 | YDL164C | 37°C | <i>cdc9-1</i> | NO |
| 78 | YDR208W | 37°C | <i>mss4-103</i> | NO |
| 79 | YAL038W | 37°C | <i>cdc19-1</i> | NO |
| 80 | YLR314C | 30°C | <i>cdc3-3</i> | NO |
| 81 | YGR264C | 37°C | <i>mes1-1</i> | NO |
| 82 | YDL017W | 35°C | <i>cdc7-4</i> | NO |
| 83 | YDR164C | 37°C | <i>sec1-1</i> | NO |
| 84 | YLR268W | 35°C | <i>sec22-1</i> | NO |
| 85 | YFL039C | 35°C | <i>act1-112</i> | NO |
| 86 | YDL165W | 30°C - 35°C | <i>cdc36-16</i> | NO |
| 87 | YFL039C | 38.5°C | <i>act1-122</i> | NO |
| 88 | YDR168W | 35°C - 37°C | <i>cdc37-ts</i> | NO |
| 89 | YFL039C | 37°C | <i>act1-155</i> | NO |
| 90 | YGR140W | 35°C | <i>cbf2-2</i> | NO |
| 91 | YDR168W | 37°C - 38.5°C | <i>cdc37-1</i> | NO |
| 92 | YLR457C | 38.5°C slow | <i>nbp1-1</i> | NO |
| 93 | YIR022W | 35°C | <i>sec11-2</i> | NO |
| 94 | YFL039C | 37°C | <i>act1-129</i> | NO |
| 95 | YKL112W | 30°C - 35°C | <i>abf1-102</i> | NO |

Table S2 ts mutants, Page 3

| | | | | |
|-----|-----------|---------------------------------|----------|-----|
| 96 | YMR220W | 35°C - 37°C | erg8-1 | NO |
| 97 | YML064C | 30°C | tem1-3 | NO |
| 98 | YFL008W | 35°C | smc1-2 | NO |
| 99 | YHR191C | 38.5°C slow | ctf8-162 | NO |
| 100 | YGR179C | 35°C | okp1-5 | NO |
| 101 | YHR191C | 38.5°C slow | ctf8-9 | NO |
| 102 | YGR140W | 30°C | cbf2-1 | NO |
| 103 | YIL068C | 37°C | sec6-4 | NO |
| 104 | YDL102W | 35°C | cdc2-2 | NO |
| 105 | YGL233W | 37°C | sec15-1 | NO |
| 106 | YFL039C | 35°C | act1-101 | NO |
| 107 | YER157W | 38.5°C | cog3-1 | NO |
| 108 | YFL039C | 37°C | act1-3 | NO |
| 109 | YAL041W | 37°C | cdc24-H | NO |
| 110 | YFL039C | 30°C | act1-4 | NO |
| 111 | YER008C | 38.5°C | sec3-2 | NO |
| 112 | YOR336W | 35°C | kre5-ts2 | NO |
| 113 | YDR170C | 37°C | sec7-1 | NO |
| 114 | YFL039C | 35°C | act1-125 | NO |
| 115 | YBL050W | 37°C | sec17-1 | NO |
| 116 | YFL039C | 37°C slow | act1-133 | NO |
| 117 | YNL287W | 30°C | sec21-1 | NO |
| 118 | YFL039C | 35°C | act1-136 | NO |
| 119 | YER157W | 38.5°C | cog3-2 | NO |
| 120 | YPR176C | 35°C | bet2-1 | NO |
| 121 | YFL045C | 30°C | sec53-6 | YES |
| 122 | YCL059C | 35°C | krr1-17 | NO |
| 123 | YOR181W | 37°C | las17-14 | NO |
| 124 | YCL059C | 35°C - 37°C | krr1-18 | NO |
| 125 | YDL090C | 37°C - 38.5°C, slow 22°C - 30°C | ram1-119 | NO |
| 126 | YOR122C | 35°C | pfy1-4 | NO |
| 127 | YJR045C | 30°C - 35°C | ssc1-2 | NO |
| 128 | YOR122C | 35°C | pfy1-13 | NO |
| 129 | YPL093W | 38.5°C very slow | nog1-1 | NO |
| 130 | YLL050C | 37°C - 38.5°C | cof1-5 | NO |
| 131 | YPR183W | 35°C | dpm1-6 | NO |
| 132 | YAL034W-A | 35°C | mtw1-ts | NO |
| 133 | YBR060C | 30°C | orc2-3 | NO |
| 134 | YBR156C | 37°C | sli15-3 | YES |
| 135 | YBR135W | 35°C - 37°C | cks1-38 | NO |
| 136 | YER013W | 30°C | prp22-1 | NO |
| 137 | YGL155W | 30°C - 35°C | cdc43-2 | NO |
| 138 | YFL009W | 30°C - 35°C | cdc4-3 | NO |
| 139 | YGL061C | 37°C | duo1-2 | YES |
| 140 | YKL112W | 30°C, slow at 22°C - 26°C | abf1-103 | NO |
| 141 | YGR113W | 30°C - 35°C | dam1-11 | NO |
| 142 | YFR028C | 30°C | cdc14-1 | NO |
| 143 | YHR107C | 37°C | cdc12-td | NO |
| 144 | YFR028C | 26°C | cdc14-3 | NO |

Table S2 ts mutants, Page 4

| | | | | |
|-----|---------|---------------|-----------|-----|
| 145 | YDR166C | 37°C | sec5-24 | NO |
| 146 | YOR074C | 35°C | cdc21-ts | NO |
| 147 | YLR208W | 37°C | sec13-1 | NO |
| 148 | YAL041W | 30°C | cdc24-11 | NO |
| 149 | YMR079W | 37°C | sec14-3 | NO |
| 150 | YAL041W | 35°C | Cdc24 | NO |
| 151 | YBR080C | 30°C | sec18-1 | NO |
| 152 | YBR160W | 35°C | cdc28-4 | NO |
| 153 | YDR498C | 37°C | sec20-1 | NO |
| 154 | YOR257W | 35°C | cdc31-2 | NO |
| 155 | YNL272C | 37°C | sec2-41 | NO |
| 156 | YOR257W | 35°C | cdc31-5 | NO |
| 157 | YGR009C | 37°C | sec9-4 | NO |
| 158 | YDR473C | 37°C | prp3-1 | NO |
| 159 | YBR109C | 37°C | cmd1-1 | NO |
| 160 | YMR094W | 37°C | ctf13-30 | NO |
| 161 | YBR109C | 37°C | cmd1-3 | NO |
| 162 | YNR026C | 37°C | sec12-4 | NO |
| 163 | YOR326W | 30°C - 35°C | myo2-16 | NO |
| 164 | YGR113W | 30°C - 35°C | dam1-5 | NO |
| 165 | YNR011C | 30°C - 35°C | prp2-1 | NO |
| 166 | YGR113W | 37°C | dam1-9 | NO |
| 167 | YGL207W | 35°C | spt16-ts | YES |
| 168 | YGR113W | 37°C - 38.5°C | dam1-19 | YES |
| 169 | YIR008C | 30°C - 35°C | pri1-M4 | NO |
| 170 | YGR113W | 35°C | dam1-1 | YES |
| 171 | YJR065C | 38.5°C | arp3-D11A | NO |
| 172 | YIL144W | 30°C | tid3-1 | NO |
| 173 | YJR068W | 26°C - 30°C | rfc2-1 | NO |
| 174 | YLL036C | 30°C | prp19-1 | NO |
| 175 | YNL102W | 35°C | pol1-ts | NO |
| 176 | YLL050C | 35°C | cof1-8 | NO |
| 177 | YNL102W | 30°C | pol1-2 | NO |
| 178 | YDR060W | 35°C | mak21-1 | NO |
| 179 | YNL102W | 35°C | pol1-17 | NO |
| 180 | YDR060W | 38.5°C slow | mak21-3 | NO |
| 181 | YNL102W | 30°C - 35°C | pol1-13 | NO |
| 182 | YDR189W | 30°C - 35°C | sly1-ts | NO |
| 183 | YKL049C | 38.5°C | cse4-1 | NO |
| 184 | YBR109C | 37°C | cmd1-8 | NO |
| 185 | YBR160W | 37°C | cdc28-td | NO |
| 186 | YGR092W | 37°C | dbf2-1 | NO |
| 187 | YLR166C | 37°C | sec10-2 | NO |
| 188 | YGR092W | 37°C | dbf2-2 | NO |
| 189 | YER136W | 30°C | gdi1-1 | NO |
| 190 | YGR092W | 37°C | dbf2-3 | NO |
| 191 | YDR052C | 30°C - 35°C | dbf4-1 | NO |
| 192 | YDR180W | 37°C | scc2-4 | NO |
| 193 | YDR052C | 30°C | dbf4-2 | NO |

Table S2 ts mutants, Page 5

| | | | | |
|-----|---------|-----------------------|------------------|-----|
| 194 | YIL026C | 37°C | <i>irr1-1</i> | NO |
| 195 | YDR052C | 37°C | <i>dbf4-3</i> | NO |
| 196 | YFL008W | 37°C | <i>smc1-259</i> | NO |
| 197 | YDR052C | 30°C | <i>dbf4-4</i> | NO |
| 198 | YPL209C | 30°C - 35°C | <i>ipl1-1</i> | NO |
| 199 | YDL003W | 37°C | <i>mcd1-73</i> | NO |
| 200 | YDL028C | 26°C - 30°C | <i>mps1-1</i> | YES |
| 201 | YJL074C | 37°C | <i>smc3-42</i> | YES |
| 202 | YDL028C | 35°C | <i>mps1-3796</i> | NO |
| 203 | YFL039C | 37°C | <i>act1-124</i> | NO |
| 204 | YPR175W | 30°C - 35°C | <i>dpb2-1</i> | NO |
| 205 | YFL037W | 35°C | <i>tub2-443</i> | NO |
| 206 | YHR027C | 30°C - 35°C | <i>rpn1-821</i> | NO |
| 207 | YLL004W | 30°C | <i>orc3-70</i> | NO |
| 208 | YHR164C | 30°C | <i>dna2-1</i> | NO |
| 209 | YIR006C | 35°C - 37°C | <i>pan1-4</i> | NO |
| 210 | YJL005W | 35°C - 37°C | <i>cdc35-1</i> | NO |
| 211 | YJL074C | 30°C | <i>smc3-1</i> | NO |
| 212 | YGL130W | 30°C - 35°C | <i>ceg1-ts</i> | NO |
| 213 | YOR259C | 35°C - 37°C | <i>rpt4-150</i> | NO |
| 214 | YJR076C | 30°C - 35°C | <i>cdc11-1</i> | NO |
| 215 | YBR236C | 30°C - 35°C | <i>abd1-8</i> | NO |
| 216 | YLR127C | 35°C | <i>apc2-8</i> | NO |
| 217 | YGL130W | 30°C | <i>ceg1-34</i> | NO |
| 218 | YOR259C | 35°C - 37°C | <i>rpt4-145</i> | NO |
| 219 | YLR086W | 30°C | <i>smc4-1</i> | NO |
| 220 | YDL028C | 30°C | <i>mps1-417</i> | NO |
| 221 | YFL039C | 37°C | <i>act1-120</i> | NO |
| 222 | YDL028C | 30°C | <i>mps1-6</i> | NO |
| 223 | YBR236C | 30°C | <i>abd1-5</i> | NO |
| 224 | YOL094C | 35°C - 37°C | <i>rfc4-20</i> | NO |
| 225 | YGR140W | 37°C | <i>cbf2-42</i> | NO |
| 226 | YPR025C | 37°C | <i>ccl1-ts4</i> | NO |
| 227 | YKL018W | 22°C slow & 37°C slow | <i>swd2-ts1</i> | NO |
| 228 | YCR002C | 37°C | <i>cdc10-1</i> | NO |
| 229 | YBR160W | 35°C - 37°C | <i>cdc28-1</i> | NO |
| 230 | YCR002C | 37°C | <i>cdc10-2</i> | NO |
| 231 | YBR160W | 35°C | <i>cdc28-13</i> | YES |
| 232 | YML031W | 35°C - 37°C | <i>ndc1-4</i> | NO |
| 233 | YCR002C | 37°C | <i>cdc10-4</i> | NO |
| 234 | YBR110W | 37°C | <i>alg1-1</i> | NO |
| 235 | YJR076C | 37°C | <i>cdc11-2</i> | NO |
| 236 | YJR076C | 37°C | <i>cdc11-3</i> | NO |
| 237 | YDL126C | 35°C | <i>cdc48-9</i> | NO |
| 238 | YJR076C | 30°C | <i>cdc11-5</i> | NO |
| 239 | YDL030W | 26°C | <i>prp9-ts</i> | NO |
| 240 | YLR397C | 35°C | <i>afg2-18</i> | NO |
| 241 | YNL102W | 35°C | <i>pol1-1</i> | NO |
| 242 | YNL207W | 35°C | <i>rio2-1</i> | NO |

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| | | | | |
|-----|---------|-------------------|-------------------|-----|
| 243 | YPL082C | 30°C - 35°C | <i>mot1-1033</i> | NO |
| 244 | YOR157C | 38.5°C | <i>pup1-1</i> | NO |
| 245 | YPR055W | 35°C - 37°C | <i>sec8-6</i> | NO |
| 246 | YOR326W | 35°C | <i>myo2-14</i> | NO |
| 247 | YBL035C | 30°C - 35°C | <i>pol12-ts</i> | NO |
| 248 | YPL228W | 30°C | <i>cet1-1</i> | NO |
| 249 | YGL145W | 30°C - 35°C | <i>tip20-5</i> | NO |
| 250 | YBR055C | 35°C | <i>prp6-ts</i> | NO |
| 251 | YFR027W | 35°C | <i>eco1-1</i> | NO |
| 252 | YGL116W | 35°C | <i>cdc20-3</i> | YES |
| 253 | YAR007C | 38.5°C slow | <i>rfa1-M2</i> | NO |
| 254 | YDL043C | 30°C - 35°C | <i>prp11-ts</i> | NO |
| 255 | YBL034C | 35°C | <i>stu1-5</i> | YES |
| 256 | YDL064W | 35°C | <i>ubc9-2</i> | NO |
| 257 | YBL076C | 35°C | <i>ils1-1</i> | NO |
| 258 | YDR331W | 35°C | <i>gpi8-ts</i> | NO |
| 259 | YDR356W | 38.5°C slow | <i>spc110-221</i> | NO |
| 260 | YDR087C | 35°C | <i>rrp1-1</i> | NO |
| 261 | YHR166C | 30°C | <i>cdc23-1</i> | NO |
| 262 | YER125W | 35°C | <i>rsp5-1</i> | NO |
| 263 | YHR166C | 37°C | <i>cdc23-4</i> | NO |
| 264 | YFR036W | 37°C | <i>cdc26-1</i> | NO |
| 265 | YER133W | 38.5°C slow | <i>glc7-10</i> | NO |
| 266 | YBL084C | 30°C | <i>cdc27-1</i> | NO |
| 267 | YER133W | 37°C | <i>glc7-12</i> | NO |
| 268 | YBL084C | 37°C | <i>cdc27-2</i> | YES |
| 269 | YGL048C | 37°C - 38.5°C | <i>rpt6-25</i> | NO |
| 270 | YBR196C | 37°C | <i>pgi1-2</i> | NO |
| 271 | YGR120C | 35°C | <i>cog2-1</i> | NO |
| 272 | YDR054C | 37°C | <i>cdc34-1</i> | YES |
| 273 | YIL048W | 30°C - 35°C | <i>neo1-2</i> | NO |
| 274 | YCR093W | 37°C | <i>cdc39-1</i> | YES |
| 275 | YIL109C | 35°C | <i>sec24-2</i> | NO |
| 276 | YGL130W | 30°C | <i>ceg1-3</i> | NO |
| 277 | YKL145W | 37°C - 38.5°C | <i>rpt1-1</i> | NO |
| 278 | YDR052C | 37°C | <i>dbf4-ts</i> | YES |
| 279 | YKL210W | 37°C | <i>uba1-1</i> | NO |
| 280 | YMR239C | 38.5°C slow | <i>rnt1-ts</i> | NO |
| 281 | YDR325W | 30°C - 35°C | <i>ycg1-2</i> | NO |
| 282 | YMR239C | 35°C - 37°C | <i>rnt1-47</i> | NO |
| 283 | YNL138W | 38.5°C | <i>srv2-ts</i> | NO |
| 284 | YDR361C | 30°C - 35°C | <i>bcp1-ts</i> | NO |
| 285 | YLR105C | 35°C | <i>sen2-1</i> | NO |
| 286 | YGR048W | 35°C | <i>ufd1-2</i> | NO |
| 287 | YDR002W | 30°C - 35°C | <i>yrb1-51</i> | YES |
| 288 | YPL217C | 30°C, slow at all | <i>bms1-1</i> | NO |
| 289 | YDR013W | 30°C - 35°C | <i>psf1-1</i> | YES |
| 290 | YDR228C | 35°C | <i>pcf11-ts10</i> | NO |
| 291 | YLR249W | 30°C - 35°C | <i>yef3-F650S</i> | NO |

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| | | | | |
|-----|---------|---------------------------|------------------|----|
| 292 | YDR228C | 30°C | <i>pcf11-ts9</i> | NO |
| 293 | YDR062W | 26°C - 30°C | <i>lcb2-16</i> | NO |
| 294 | YOR020C | 35°C | <i>hsp10-ts</i> | NO |
| 295 | YDR062W | 30°C | <i>lcb2-1</i> | NO |
| 296 | YMR308C | 30°C - 35°C | <i>pse1-34</i> | NO |
| 297 | YDR062W | 26°C - 30°C | <i>lcb2-19</i> | NO |
| 298 | YMR308C | 30°C - 35°C | <i>pse1-41</i> | NO |
| 299 | YER171W | 35°C - 37°C | <i>rad3-ts14</i> | NO |
| 300 | YKL203C | 26°C - 30°C | <i>tor2-21</i> | NO |
| 301 | YML046W | 35°C | <i>prp39-1</i> | NO |
| 302 | YDR373W | 35°C - 37°C | <i>frq1-1</i> | NO |
| 303 | YMR033W | 35°C | <i>arp9-1</i> | NO |
| 304 | YGR091W | 30°C - 35°C | <i>prp31-ts</i> | NO |
| 305 | YJL039C | 26°C | <i>nup192-15</i> | NO |
| 306 | YJL203W | 30°C | <i>prp21-ts</i> | NO |
| 307 | YLR163C | 30°C - 35°C | <i>mas1-1</i> | NO |
| 308 | YMR268C | 30°C - 35°C | <i>prp24-ts</i> | NO |
| 309 | YKR008W | 30°C | <i>rsc4-2</i> | NO |
| 310 | YLR274W | 35°C - 37°C | <i>cdc46-1</i> | NO |
| 311 | YPR178W | 26°C - 30°C | <i>prp4-1</i> | NO |
| 312 | YFR052W | 30°C - 35°C | <i>rpn12-1</i> | NO |
| 313 | YDL102W | 30°C - 35°C | <i>cdc2-1</i> | NO |
| 314 | YJR057W | 30°C, slow at 22°C | <i>cdc8-1</i> | NO |
| 315 | YDR303C | 35°C | <i>rsc3-1</i> | NO |
| 316 | YAL041W | 30°C - 35°C | <i>cdc24-1</i> | NO |
| 317 | YDR228C | 35°C | <i>pcf11-2</i> | NO |
| 318 | YDR228C | 35°C | <i>pcf11-ts2</i> | NO |
| 319 | YFL038C | 37°C - 38.5°C | <i>ypt1-3</i> | NO |
| 320 | YOR294W | 35°C - 37°C | <i>rrs1-124</i> | NO |
| 321 | YGL098W | 35°C - 37°C | <i>use1-ts</i> | NO |
| 322 | YOR294W | 35°C | <i>rrs1-84</i> | NO |
| 323 | YPL010W | 35°C | <i>ret3-1</i> | NO |
| 324 | YEL055C | 30°C - 35°C | <i>pol5-2</i> | NO |
| 325 | YLR195C | 35°C - 37°C | <i>nmt1-181</i> | NO |
| 326 | YEL055C | 35°C - 37°C | <i>pol5-1</i> | NO |
| 327 | YPL255W | 30°C - 35°C | <i>bbp1-1</i> | NO |
| 328 | YEL055C | 30°C - 35°C | <i>pol5-3</i> | NO |
| 329 | YKR062W | 35°C | <i>tfa2-45</i> | NO |
| 330 | YDL030W | 30°C | <i>prp9-1</i> | NO |
| 331 | YOR151C | 35°C - 37°C | <i>rpb2-6</i> | NO |
| 332 | YKR086W | 35°C | <i>prp16-2</i> | NO |
| 333 | YLR103C | 30°C - 35°C | <i>cdc45-27</i> | NO |
| 334 | YDR082W | 30°C | <i>stn1-13</i> | NO |
| 335 | YML114C | 35°C | <i>taf8-7</i> | NO |
| 336 | YMR296C | 35°C | <i>lcb1-5</i> | NO |
| 337 | YOR232W | 35°C | <i>mge1-100</i> | NO |
| 338 | YAL041W | 35°C | <i>cdc24-2</i> | NO |
| 339 | YGL055W | 35°C | <i>ole1-m2</i> | NO |
| 340 | YIL126W | 35°C, slow at 22°C - 30°C | <i>sth1-2</i> | NO |

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|-----|-----------|---------------------------|--------------------|-----|
| 341 | YAL041W | 35°C - 37°C | <i>cdc24-3</i> | NO |
| 342 | YAL001C | 37°C - 38.5°C | <i>tfc3-G349E</i> | NO |
| 343 | YDR182W | 35°C | <i>cdc1-2</i> | NO |
| 344 | YBR198C | 37°C | <i>taf5-3</i> | NO |
| 345 | YDR182W | 26°C - 30°C | <i>cdc1-6</i> | NO |
| 346 | YFL009W | 35°C | <i>cdc4-2</i> | NO |
| 347 | YFR028C | 30°C, slow at 22°C - 26°C | <i>cdc14-2</i> | NO |
| 348 | YBR198C | 35°C | <i>taf5-15</i> | NO |
| 349 | YGL116W | 37°C - 38.5°C | <i>cdc20-2</i> | YES |
| 350 | YBR198C | 35°C | <i>taf5-20</i> | NO |
| 351 | YNL258C | 35°C | <i>dsl1-DC30</i> | NO |
| 352 | YDR145W | 35°C | <i>taf12-9</i> | NO |
| 353 | YPL228W | 30°C - 35°C | <i>cet1-2</i> | NO |
| 354 | YDR145W | 30°C - 35°C | <i>taf12-W486s</i> | NO |
| 355 | YPL228W | 35°C - 37°C | <i>cet1-15</i> | NO |
| 356 | YMR028W | 37°C | <i>tap42-11</i> | NO |
| 357 | YMR296C | 30°C | <i>lcb1-4</i> | NO |
| 358 | YJR017C | 37°C - 38.5°C | <i>ess1-H164R</i> | NO |
| 359 | YMR296C | 30°C - 35°C | <i>lcb1-2</i> | NO |
| 360 | YKL028W | 30°C - 35°C | <i>tfa1-21</i> | NO |
| 361 | YGR099W | 35°C | <i>tel2-7</i> | NO |
| 362 | YFR005C | 30°C - 35°C | <i>sad1-1</i> | NO |
| 363 | YHR170W | 35°C | <i>nmd3-4</i> | NO |
| 364 | YDR311W | 38.5°C | <i>ffb1-1</i> | NO |
| 365 | YMR296C | 30°C - 35°C | <i>lcb1-10</i> | NO |
| 366 | YMR213W | 35°C - 37°C | <i>cef1-13</i> | NO |
| 367 | YGL120C | 35°C | <i>prp43-ts2</i> | NO |
| 368 | YGL112C | 37°C | <i>taf6-ts</i> | NO |
| 369 | YDL145C | 37°C | <i>cop1-1</i> | NO |
| 370 | YFL034C-B | 26°C - 30°C, slow at 22°C | <i>mob2-11</i> | NO |
| 371 | YJR046W | 30°C | <i>tah11-ts</i> | NO |
| 372 | YFL034C-B | 35°C - 37°C | <i>mob2-22</i> | YES |
| 373 | YPL124W | 26°C - 30°C | <i>spc29-20</i> | YES |
| 374 | YFL034C-B | 30°C - 35°C | <i>mob2-34</i> | NO |
| 375 | YPL124W | 30°C | <i>spc29-3</i> | NO |
| 376 | YFL034C-B | 26°C - 30°C | <i>mob2-40</i> | NO |
| 377 | YDR145W | 30°C | <i>taf12-L464A</i> | NO |
| 378 | YMR013C | 35°C - 37°C | <i>sec59-ts</i> | NO |
| 379 | YDR145W | 35°C | <i>taf12-ts23</i> | NO |
| 380 | YGL073W | 37°C | <i>hsf1-848</i> | NO |
| 381 | YER022W | 35°C | <i>srp4-2</i> | NO |
| 382 | YNL261W | 35°C - 37°C | <i>orc5-70</i> | NO |
| 383 | YKR083C | 37°C | <i>dad2-9</i> | YES |
| 384 | YFR004W | 37°C | <i>rpn11-8</i> | NO |
| 385 | YMR277W | 30°C - 35°C | <i>fcp1-1</i> | NO |
| 386 | YFR031C | 30°C - 35°C | <i>smc2-8</i> | NO |
| 387 | YOR057W | 35°C - 37°C | <i>sgt1-5</i> | YES |
| 388 | YGR245C | 30°C - 35°C | <i>sda1-2</i> | NO |
| 389 | YPL252C | 35°C - 37°C | <i>yah1-ts</i> | NO |

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|-----|-----------|---------------------------|--------------------|-----|
| 390 | YGR274C | 30°C - 35°C | <i>taf1-1</i> | NO |
| 391 | YOR122C | 38.5°C, slow 22°C | <i>pfy1-14</i> | NO |
| 392 | YGR274C | 30°C | <i>taf1-2</i> | NO |
| 393 | YGR006W | 35°C | <i>prp18-1202</i> | NO |
| 394 | YHR024C | 26°C | <i>mas2-10</i> | NO |
| 395 | YJL050W | 30°C - 35°C | <i>mtr4-1</i> | NO |
| 396 | YKL125W | 35°C - 37°C | <i>rrn3-S213P</i> | NO |
| 397 | YLR272C | 30°C - 35°C | <i>ycs4-1</i> | NO |
| 398 | YGR158C | 35°C | <i>mtr3-ts</i> | NO |
| 399 | YML105C | 35°C | <i>sec65-1</i> | NO |
| 400 | YIL021W | 30°C - 35°C | <i>rpb3-2</i> | NO |
| 401 | YDL087C | 35°C | <i>luc7-1</i> | NO |
| 402 | YFL034C-B | 35°C | <i>mob2-8</i> | NO |
| 403 | YDR478W | 35°C | <i>snm1-172</i> | NO |
| 404 | YIR012W | 35°C | <i>sqt1-201</i> | NO |
| 405 | YHR052W | 37°C - 38.5°C | <i>cic1-2</i> | NO |
| 406 | YJL081C | 30°C - 35°C | <i>arp4-G161D</i> | NO |
| 407 | YDL217C | 38.5°C slow | <i>tim22-19</i> | NO |
| 408 | YKL006C-A | 30°C - 35°C | <i>sft1-15</i> | YES |
| 409 | YDR311W | 35°C - 37°C | <i>tfb1-6</i> | NO |
| 410 | YJL125C | 35°C | <i>gcd14-4</i> | NO |
| 411 | YBR211C | 35°C - 37°C | <i>ame1-4</i> | NO |
| 412 | YKL173W | 37°C - 38.5°C | <i>snu114-60</i> | NO |
| 413 | YLR212C | 35°C - 37°C | <i>tub4-Y445D</i> | NO |
| 414 | YKL173W | 35°C | <i>snu114-40</i> | NO |
| 415 | YLR212C | 35°C - 37°C | <i>tub4-_DSY</i> | NO |
| 416 | YLR066W | 35°C - 37°C | <i>spc3-4</i> | NO |
| 417 | YDL008W | 30°C, slow at 22°C - 26°C | <i>apc11-22</i> | NO |
| 418 | YNL061W | 35°C - 37°C | <i>nop2-3</i> | NO |
| 419 | YKL172W | 35°C | <i>ebp2-1</i> | NO |
| 420 | YGR006W | 30°C - 35°C | <i>prp18-ts</i> | NO |
| 421 | YOR341W | 37°C | <i>rpa190-1</i> | NO |
| 422 | YIR010W | 35°C | <i>dsn1-7</i> | NO |
| 423 | YPL028W | 30°C - 35°C | <i>erg10-1</i> | NO |
| 424 | YIR010W | 35°C - 37°C | <i>dsn1-8</i> | NO |
| 425 | YOR341W | 35°C | <i>rpa190-G728</i> | NO |
| 426 | YJL019W | 35°C - 37°C | <i>mps3-1</i> | NO |
| 427 | YEL019C | 35°C | <i>mms21-1</i> | NO |
| 428 | YJR112W | 35°C | <i>nnf1-17</i> | YES |
| 429 | YFR004W | 35°C - 37°C | <i>rpn11-14</i> | NO |
| 430 | YJR112W | 35°C - 37°C | <i>nnf1-48</i> | YES |
| 431 | YBL105C | 35°C | <i>pkc1-ts</i> | NO |
| 432 | YJR112W | 30°C - 35°C | <i>nnf1-77</i> | YES |
| 433 | YDL058W | 35°C - 37°C | <i>uso1-1</i> | NO |
| 434 | YBL105C | 35°C - 37°C | <i>pkc1-1</i> | NO |
| 435 | YNL062C | 30°C - 35°C | <i>gcd10-506</i> | NO |
| 436 | YBL105C | 35°C - 37°C | <i>pkc1-2</i> | NO |
| 437 | YGL075C | 35°C | <i>mps2-1</i> | NO |
| 438 | YBL105C | 35°C | <i>pkc1-4</i> | NO |

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| 439 | YGL075C | 35°C | <i>mps2-2</i> | NO |
| 440 | YDR238C | 37°C - 38.5°C | <i>sec26-F856A</i> | NO |
| 441 | YNL061W | 30°C - 35°C | <i>nop2-5</i> | YES |
| 442 | YDR238C | 35°C - 37°C | <i>sec26-11D26</i> | NO |
| 443 | YNL061W | 30°C - 35°C, slow at 22°C | <i>nop2-4</i> | NO |
| 444 | YNL061W | 35°C - 37°C | <i>nop2-6</i> | NO |
| 445 | YHR069C | 30°C - 35°C, slow at 22°C | <i>rrp4-1</i> | NO |
| 446 | YML069W | 30°C - 35°C | <i>pob3-7</i> | YES |
| 447 | YLR440C | 30°C | <i>sec39-1</i> | NO |
| 448 | YNL061W | 30°C - 35°C | <i>nop2-9</i> | YES |
| 449 | YLR440C | 35°C | <i>sec39-2</i> | NO |
| 450 | YOL034W | 37°C - 38.5°C | <i>smc5-6</i> | NO |
| 451 | YLR298C | 30°C - 35°C | <i>yhc1-1</i> | YES |
| 452 | YDR021W | 37°C - 38.5°C | <i>fal1-1</i> | NO |
| 453 | YLR298C | 30°C - 35°C | <i>yhc1-2</i> | NO |
| 454 | YDL143W | 37°C, slow 22°C - 35°C | <i>cct4-1</i> | NO |
| 455 | YMR197C | 37°C | <i>vti1-2</i> | NO |
| 456 | YMR236W | 35°C | <i>taf9-ts2</i> | NO |
| 457 | YMR197C | 30°C - 35°C | <i>vti1-11</i> | NO |
| 458 | YKL154W | 30°C - 35°C | <i>srp102-510</i> | NO |
| 459 | YML098W | 35°C | <i>taf13-2</i> | NO |
| 460 | YBL105C | 37°C | <i>pkc1-3</i> | NO |
| 461 | YGL093W | 35°C | <i>spc105-15</i> | NO |
| 462 | YBR247C | 30°C - 35°C | <i>enp1-1</i> | NO |
| 463 | YGR103W | 37°C - 38.5°C, slow 22°C | <i>nop7-1</i> | YES |
| 464 | YBR265W | 35°C | <i>tsc10-1</i> | NO |
| 465 | YDR212W | 35°C - 37°C | <i>tcp1-2</i> | NO |
| 466 | YKL042W | 35°C | <i>spc42-11</i> | NO |
| 467 | YLR045C | 30°C | <i>stu2-11</i> | YES |
| 468 | YPL233W | 30°C | <i>nsl1-5</i> | YES |
| 469 | YGL137W | 26°C - 30°C | <i>sec27-1</i> | NO |
| 470 | YKL042W | 30°C - 35°C | <i>spc42-10</i> | NO |
| 471 | YGR211W | 35°C, slow at 22°C - 30°C | <i>zpr1-1</i> | NO |
| 472 | YPL233W | 35°C - 37°C | <i>nsl1-6</i> | YES |
| 473 | YGR216C | 37°C - 38.5°C | <i>gpi1-1</i> | NO |
| 474 | YLR045C | 35°C - 37°C | <i>stu2-10</i> | NO |
| 475 | YBL034C | 35°C - 37°C | <i>stu1-8</i> | NO |
| 476 | YLR045C | 30°C - 35°C | <i>stu2-12</i> | NO |
| 477 | YBR055C | 35°C | <i>prp6-1</i> | NO |
| 478 | YGL022W | 30°C - 35°C, very sick at all | <i>stt3-2</i> | NO |
| 479 | YIL109C | 26°C - 30°C | <i>sec24-20</i> | NO |
| 480 | YDR292C | 30°C - 35°C | <i>srp101-47</i> | NO |
| 481 | YMR227C | 35°C - 37°C | <i>taf7-ts1</i> | NO |
| 482 | YOR272W | 37°C - 38.5°C | <i>ytm1-1</i> | NO |
| 483 | YMR240C | 30°C - 35°C | <i>cus1-3</i> | NO |
| 484 | YJL002C | 30°C - 35°C | <i>ost1-6</i> | NO |
| 485 | YNR003C | 35°C | <i>rpc34-1</i> | NO |
| 486 | YEL034W | 35°C - 37°C | <i>hyp2-1</i> | NO |
| 487 | YOR046C | 30°C - 35°C | <i>dbp5-1</i> | NO |

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| | | | | |
|-----|---------|-------------------------------------|--------------------|-----|
| 488 | YEL034W | 35°C | <i>hyp2-3</i> | NO |
| 489 | YPR110C | 35°C | <i>rpc40-V78R</i> | NO |
| 490 | YOR174W | 35°C - 37°C | <i>med4-6</i> | NO |
| 491 | YBL034C | 30°C - 35°C | <i>stu1-6</i> | YES |
| 492 | YOL135C | 35°C - 37°C | <i>med7-163</i> | NO |
| 493 | YKR086W | 30°C - 35°C | <i>prp16-ts</i> | NO |
| 494 | YOL135C | 35°C - 37°C | <i>med7-141</i> | NO |
| 495 | YML015C | 35°C - 37°C | <i>taf11-ts2</i> | NO |
| 496 | YBR193C | 35°C - 37°C | <i>med8-51</i> | NO |
| 497 | YGL001C | 30°C - 35°C | <i>erg26-1</i> | NO |
| 498 | YLR298C | 26°C - 30°C, slow at 22°C | <i>yhc1-7</i> | NO |
| 499 | YNL118C | 38.5°C | <i>dcp2-7</i> | NO |
| 500 | YIL143C | 30°C - 35°C | <i>ssl2-ts</i> | YES |
| 501 | YIL115C | 30°C - 35°C | <i>nup159-1</i> | NO |
| 502 | YIL150C | 30°C - 35°C | <i>mcm10-43</i> | NO |
| 503 | YLL003W | 35°C - 37°C | <i>sfi1-7</i> | NO |
| 504 | YLR045C | 30°C - 35°C | <i>stu2-13</i> | YES |
| 505 | YGR218W | 35°C - 37°C | <i>crm1-1</i> | YES |
| 506 | YNL075W | 35°C - 37°C, sick at all | <i>imp4-2</i> | NO |
| 507 | YGL065C | 35°C | <i>alg2-1</i> | NO |
| 508 | YOR204W | 30°C - 35°C | <i>ded1-199</i> | NO |
| 509 | YPL076W | 30°C - 35°C | <i>gpi2-1-7B</i> | NO |
| 510 | YNL216W | 30°C - 35°C, sick at all | <i>rap1-1</i> | NO |
| 511 | YPL076W | 30°C - 35°C | <i>gpi2-774</i> | NO |
| 512 | YNL216W | 30°C - 35°C, sick at all | <i>rap1-2</i> | NO |
| 513 | YER125W | 30°C - 35°C | <i>rsp5-sm1</i> | NO |
| 514 | YOR244W | 30°C | <i>esa1-L254P</i> | NO |
| 515 | YER125W | 30°C - 35°C | <i>rsp5-3</i> | NO |
| 516 | YOR204W | 30°C - 35°C | <i>ded1-95</i> | NO |
| 517 | YNL006W | 26°C - 30°C | <i>lst8-6</i> | NO |
| 518 | YNL006W | 37°C - 38.5°C | <i>lst8-15</i> | NO |
| 519 | YOR244W | 35°C - 37°C | <i>esa1-D414</i> | NO |
| 520 | YOR249C | 26°C - 30°C | <i>apc5-CA-Pap</i> | YES |
| 521 | YFL029C | 35°C | <i>cak1-23</i> | NO |
| 522 | YOR249C | 35°C | <i>apc5-CA</i> | NO |
| 523 | YLR383W | 37°C - 38.5°C | <i>smc6-9</i> | NO |
| 524 | YGL044C | 35°C | <i>rna15-58</i> | NO |
| 525 | YGR074W | 37°C, very slow 22°C | <i>smd1-1</i> | NO |
| 526 | YJL173C | 30°C | <i>rfa3-313</i> | NO |
| 527 | YEL034W | 30°C, very slow at 22°C - 26°C | <i>hyp2-ts</i> | NO |
| 528 | YIL118W | 30°C - 35°C, grows at 37°C - 38.5°C | <i>rho3-1</i> | NO |
| 529 | YEL034W | 38.5°C | <i>hyp2-2</i> | NO |
| 530 | YBR193C | 30°C - 35°C | <i>med8-39</i> | NO |
| 531 | YDR088C | 35°C | <i>slu7-ts1</i> | NO |
| 532 | YLR005W | 35°C | <i>ssl1-T242I</i> | NO |
| 533 | YDR088C | 35°C | <i>slu7-ts2</i> | YES |
| 534 | YER093C | 35°C | <i>tsc11-1</i> | NO |
| 535 | YNL118C | 38.5°C | <i>dcp2-7</i> | NO |
| 536 | YER093C | 30°C | <i>tsc11-7</i> | NO |

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| | | | | |
|-----|-----------|---------------------------|--------------------|-----|
| 537 | YOL069W | 35°C | <i>nuf2-61</i> | YES |
| 538 | YPL043W | 35°C - 37°C | <i>nop4-3</i> | NO |
| 539 | YOR244W | 30°C - 35°C, sick at 22°C | <i>esa1-1851</i> | NO |
| 540 | YNR035C | 37°C | <i>arc35-5</i> | NO |
| 541 | YPL020C | 35°C | <i>ulp1-333</i> | NO |
| 542 | YNR035C | 35°C - 37°C | <i>arc35-6</i> | NO |
| 543 | YBR155W | 30°C - 35°C | <i>cns1-1</i> | NO |
| 544 | YGR091W | 30°C - 35°C | <i>prp31-1</i> | NO |
| 545 | YBR123C | 35°C | <i>tfc1-E447K</i> | NO |
| 546 | YER018C | 30°C - 35°C | <i>spc25-1</i> | YES |
| 547 | YOR329C | 35°C | <i>scd5-D338</i> | NO |
| 548 | YPL175W | 26°C - 30°C | <i>spt14-1-10C</i> | NO |
| 549 | YOR329C | 30°C - 35°C | <i>scd5-PP1D2</i> | NO |
| 550 | YLL003W | 35°C | <i>sf1-3</i> | NO |
| 551 | YBR058C-A | 35°C | <i>tsc3-2</i> | NO |
| 552 | YER148W | 30°C - 35°C | <i>spt15-P65S</i> | NO |
| 553 | YKL193C | 37°C | <i>sds22-5</i> | NO |
| 554 | YGR156W | 35°C - 37°C | <i>pti1-ts7</i> | NO |
| 555 | YKL193C | 30°C - 35°C | <i>sds22-6</i> | NO |
| 556 | YGR246C | 30°C, slow at 22°C | <i>brf1-W107R</i> | NO |
| 557 | YDR243C | 37°C | <i>prp28-101</i> | NO |
| 558 | YNR053C | 37°C, slow 22°C - 30°C | <i>nog2-1</i> | YES |
| 559 | YDR062W | 30°C | <i>lcb2-2</i> | NO |
| 560 | YGR075C | 35°C | <i>prp38-1</i> | NO |
| 561 | YER012W | 38.5°C slow | <i>pre1-1</i> | NO |
| 562 | YKR002W | 26°C - 30°C | <i>pap1-1</i> | NO |
| 563 | YGR185C | 35°C | <i>tys1-1</i> | NO |
| 564 | YHR186C | 37°C | <i>kog1-1</i> | NO |
| 565 | YLL031C | 30°C | <i>gpi13-3</i> | NO |
| 566 | YJL001W | 38.5°C slow | <i>pre3-2</i> | NO |
| 567 | YLL031C | 35°C | <i>gpi13-5</i> | YES |
| 568 | YMR117C | 35°C | <i>spc24 4-2</i> | NO |
| 569 | YLR026C | 30°C - 35°C | <i>sed5-1</i> | NO |
| 570 | YMR168C | 35°C - 37°C | <i>cep3-1</i> | NO |
| 571 | YLR078C | 30°C | <i>bos1-1</i> | NO |
| 572 | YBR060C | 30°C | <i>orc2-1</i> | NO |
| 573 | YLR459W | 35°C | <i>gab1-1</i> | NO |
| 574 | YJR065C | 37°C - 38.5°C, slow 22°C | <i>arp3-G302Y</i> | YES |
| 575 | YLR459W | 35°C | <i>gab1-2</i> | NO |
| 576 | YJR065C | 37°C - 38.5°C | <i>arp3-H161A</i> | NO |
| 577 | YLR459W | 37°C | <i>gab1-3</i> | NO |
| 578 | YJR065C | 37°C - 38.5°C | <i>arp3-G15C</i> | NO |
| 579 | YML130C | 35°C | <i>ero1-1</i> | NO |
| 580 | YJR065C | 37°C - 38.5°C, slow 22°C | <i>arp3-F306G</i> | NO |
| 581 | YOR149C | 38.5°C very slow | <i>smp3-2</i> | NO |
| 582 | YDL108W | 37°C | <i>kin28-ts</i> | NO |
| 583 | YDR212W | 37°C - 38.5°C | <i>tcp1-1</i> | NO |
| 584 | YIL150C | 37°C | <i>mcm10-1</i> | NO |
| 585 | YDL008W | 26°C - 30°C | <i>apc11-13</i> | NO |

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| | | | | |
|-----|-----------|------------------------------------|-------------------|-----|
| 586 | YBL023C | 37°C | <i>mcm2-1</i> | NO |
| 587 | YDR362C | 35°C - 37°C | <i>tfc6-M1</i> | NO |
| 588 | YEL032W | 37°C | <i>mcm3-1</i> | NO |
| 589 | YDR394W | 35°C - 37°C | <i>rpt3-1</i> | NO |
| 590 | YKL089W | 37°C | <i>mif2-3</i> | YES |
| 591 | YER006W | 37°C - 38.5°C | <i>nug1-2</i> | NO |
| 592 | YPL211W | 30°C | <i>nip7-1</i> | NO |
| 593 | YFL034C-B | 37°C - 38.5°C | <i>mob2-26</i> | NO |
| 594 | YNL267W | 37°C | <i>pik1-104</i> | NO |
| 595 | YFL034C-B | 38.5°C slow | <i>mob2-38</i> | YES |
| 596 | YNL267W | 37°C | <i>pik1-139</i> | NO |
| 597 | YFL039C | 35°C, slow at 22°C - 30°C | <i>act1-2</i> | NO |
| 598 | YBR237W | 37°C | <i>prp5-1</i> | NO |
| 599 | YGL022W | 26°C - 30°C, very slow at 22°C | <i>stt3-1</i> | NO |
| 600 | YMR235C | 30°C | <i>rna1-1</i> | NO |
| 601 | YHR005C | 38.5°C very slow | <i>gpa1-ts</i> | NO |
| 602 | YPL085W | 30°C | <i>sec16-2</i> | NO |
| 603 | YIL004C | 35°C - 37°C | <i>bet1-1</i> | NO |
| 604 | YDR356W | 38.5°C | <i>spc110-220</i> | YES |
| 605 | YPL209C | 30°C | <i>ipl1-2</i> | NO |
| 606 | YJL090C | 37°C - 38.5°C | <i>dpb11-1</i> | NO |
| 607 | YLR088W | 38.5°C slow | <i>gaa1-ts</i> | NO |
| 608 | YMR117C | 35°C | <i>spc24 10-1</i> | NO |
| 609 | YDL126C | 35°C | <i>cdc48-3</i> | NO |
| 610 | YAL041W | 30°C - 35°C | <i>cdc24-5</i> | YES |
| 611 | YDL126C | 30°C, slow at 22°C - 26°C | <i>cdc48-2</i> | NO |
| 612 | YNR026C | 35°C | <i>sec12-1</i> | NO |
| 613 | YJL034W | 30°C | <i>kar2-159</i> | NO |
| 614 | YOL139C | 35°C | <i>cdc33-E72G</i> | NO |
| 615 | YFL005W | 35°C | <i>sec4-8</i> | NO |
| 616 | YOR075W | 35°C - 37°C | <i>ufe1-1</i> | NO |
| 617 | YDR054C | 35°C - 37°C | <i>cdc34-2</i> | NO |
| 618 | YLR378C | 37°C | <i>sec61-2</i> | NO |
| 619 | YBR060C | 37°C - 38.5°C, slow 26°C - 35°C | <i>orc2-4</i> | NO |
| 620 | YFL039C | 26°C - 30°C | <i>act1-111</i> | NO |
| 621 | YFL039C | 37°C | <i>act1-119</i> | NO |
| 622 | YBR060C | 30°C - 35°C | <i>orc2-2</i> | NO |
| 623 | YFL039C | 30°C | <i>act1-132</i> | NO |
| 624 | YLR268W | 37°C | <i>sec22-3</i> | NO |
| 625 | YJR006W | 37°C - 38.5°C | <i>hys2-ts</i> | NO |
| 626 | YPR055W | 37°C | <i>sec8-9</i> | NO |
| 627 | YKL165C | 37°C, slow 22°C - 35°C | <i>mcd4-174</i> | NO |
| 628 | YLR305C | 37°C | <i>stt4-4</i> | NO |
| 629 | YLR145W | 38.5°C very slow, slow 22°C - 37°C | <i>rmp1-ts</i> | NO |
| 630 | YGL130W | 37°C | <i>ceg1-C354</i> | NO |
| 631 | YML098W | 37°C | <i>taf13-1</i> | NO |
| 632 | YBR202W | 37°C | <i>cdc47-ts</i> | NO |
| 633 | YJR076C | 30°C | <i>cdc11-4</i> | NO |
| 634 | YMR112C | 37°C - 38.5°C | <i>med11-ts</i> | NO |

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| | | | | |
|-----|-----------|---------------------------|--------------------|-----|
| 635 | YNL138W | 37°C, slow 22°C - 35°C | <i>srv2-2</i> | NO |
| 636 | YDL014W | 37°C | <i>nop1-3</i> | NO |
| 637 | YLR115W | 30°C, slow at 22°C - 26°C | <i>cft2-1</i> | NO |
| 638 | YDR208W | 37°C | <i>mss4-103</i> | NO |
| 639 | YCR042C | 30°C - 35°C | <i>taf2-1</i> | NO |
| 640 | YLR314C | 30°C | <i>cdc3-3</i> | NO |
| 641 | YDL014W | 35°C | <i>nop1-2</i> | NO |
| 642 | YDL017W | 35°C | <i>cdc7-4</i> | YES |
| 643 | YDL140C | 30°C - 35°C | <i>rpo21-1</i> | NO |
| 644 | YLR268W | 35°C | <i>sec22-1</i> | NO |
| 645 | YFL039C | 35°C | <i>act1-112</i> | NO |
| 646 | YDL165W | 30°C - 35°C | <i>cdc36-16</i> | NO |
| 647 | YFL039C | 38.5°C | <i>act1-122</i> | NO |
| 648 | YDR168W | 35°C - 37°C | <i>cdc37-ts</i> | NO |
| 649 | YFL039C | 37°C | <i>act1-155</i> | NO |
| 650 | YGR140W | 35°C | <i>cbf2-2</i> | NO |
| 651 | YDR168W | 37°C - 38.5°C | <i>cdc37-1</i> | NO |
| 652 | YLR457C | 38.5°C slow | <i>nbp1-1</i> | YES |
| 653 | YIR022W | 35°C | <i>sec11-2</i> | NO |
| 654 | YFL039C | 37°C | <i>act1-129</i> | NO |
| 655 | YKL112W | 30°C - 35°C | <i>abf1-102</i> | YES |
| 656 | YMR220W | 35°C - 37°C | <i>erg8-1</i> | NO |
| 657 | YML064C | 30°C | <i>tem1-3</i> | NO |
| 658 | YFL008W | 35°C | <i>smc1-2</i> | YES |
| 659 | YHR191C | 38.5°C slow | <i>ctf8-162</i> | NO |
| 660 | YGR179C | 35°C | <i>okp1-5</i> | NO |
| 661 | YHR191C | 38.5°C slow | <i>ctf8-9</i> | NO |
| 662 | YGR140W | 30°C | <i>cbf2-1</i> | YES |
| 663 | YDR145W | 35°C | <i>taf12-L446A</i> | NO |
| 664 | YDR182W | 30°C - 35°C | <i>cdc1-4</i> | NO |
| 665 | YDL102W | 35°C | <i>cdc2-2</i> | NO |
| 666 | YDR228C | 30°C, slow at 22°C - 30°C | <i>pcf11-1</i> | NO |
| 667 | YFL039C | 35°C | <i>act1-101</i> | NO |
| 668 | YDR328C | 35°C | <i>skp1-3</i> | NO |
| 669 | YFL039C | 37°C | <i>act1-3</i> | NO |
| 670 | YEL026W | 37°C - 38.5°C | <i>snu13-L67W</i> | NO |
| 671 | YFL039C | 30°C | <i>act1-4</i> | NO |
| 672 | YER093C | 30°C | <i>tsc11-5</i> | NO |
| 673 | YOR336W | 35°C | <i>kre5-ts2</i> | YES |
| 674 | YER148W | 38.5°C | <i>spt15-I143N</i> | NO |
| 675 | YFL039C | 35°C | <i>act1-125</i> | NO |
| 676 | YFL034C-B | 30°C - 35°C | <i>mob2-24</i> | NO |
| 677 | YFL039C | 37°C slow | <i>act1-133</i> | NO |
| 678 | YFL034C-B | 37°C - 38.5°C | <i>mob2-36</i> | YES |
| 679 | YFL039C | 35°C | <i>act1-136</i> | NO |
| 680 | YPR176C | 35°C | <i>bet2-1</i> | YES |
| 681 | YPL169C | 35°C | <i>mex67-ts5</i> | NO |
| 682 | YCL059C | 35°C | <i>krr1-17</i> | NO |
| 683 | YOR181W | 37°C | <i>las17-14</i> | NO |

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| | | | | |
|-----|-----------|----------------------------------|------------|-----|
| 684 | YCL059C | 35°C - 37°C | krr1-18 | YES |
| 685 | YDL090C | 37°C - 38.5°C, slow 22°C - 30°C | ram1-119 | NO |
| 686 | YOR122C | 35°C | pfy1-4 | NO |
| 687 | YJR045C | 30°C - 35°C | ssc1-2 | NO |
| 688 | YOR122C | 35°C | pfy1-13 | NO |
| 689 | YPL093W | 38.5°C very slow | nog1-1 | NO |
| 690 | YLL050C | 37°C - 38.5°C | cof1-5 | NO |
| 691 | YPR183W | 35°C | dpm1-6 | NO |
| 692 | YAL034W-A | 35°C | mtw1-ts | YES |
| 693 | YBR060C | 30°C | orc2-3 | NO |
| 694 | YBR156C | 37°C | sli15-3 | NO |
| 695 | YBR135W | 35°C - 37°C | cks1-38 | NO |
| 696 | YER013W | 30°C | prp22-1 | NO |
| 697 | YGL155W | 30°C - 35°C | cdc43-2 | YES |
| 698 | YFL009W | 30°C - 35°C | cdc4-3 | NO |
| 699 | YGL061C | 37°C | duo1-2 | NO |
| 700 | YKL112W | 30°C, slow at 22°C - 26°C | abf1-103 | NO |
| 701 | YGR113W | 30°C - 35°C | dam1-11 | NO |
| 702 | YFR028C | 30°C | cdc14-1 | NO |
| 703 | YPR168W | 35°C | nut2-ts | NO |
| 704 | YFR028C | 26°C | cdc14-3 | NO |
| 705 | YPR178W | 26°C - 30°C | prp4-ts | NO |
| 706 | YOR074C | 35°C | cdc21-ts | YES |
| 707 | YAL041W | 30°C | cdc24-11 | NO |
| 708 | YAR019C | 30°C | cdc15-1 | NO |
| 709 | YAL041W | 35°C | cdc24-4 | NO |
| 710 | YBL034C | 37°C - 38.5°C slow | stu1-12 | YES |
| 711 | YBR160W | 35°C | cdc28-4 | NO |
| 712 | YFR051C | 38.5°C | ret2-1 | NO |
| 713 | YOR257W | 35°C | cdc31-2 | YES |
| 714 | YGL093W | 30°C - 38.5°C very slow | spc105-4 | NO |
| 715 | YOR257W | 35°C | cdc31-5 | NO |
| 716 | YBR154C | 20°C | rpb5-H147R | NO |
| 717 | YBR109C | 37°C | cmd1-1 | NO |
| 718 | YJR093C | 30°C - 35°C, slow at 22°C - 26°C | fip1-433 | NO |
| 719 | YBR109C | 37°C | cmd1-3 | NO |
| 720 | YNR043W | 35°C - 37°C | mvd1-1296 | NO |
| 721 | YOR326W | 30°C - 35°C | myo2-16 | NO |
| 722 | YGR113W | 30°C - 35°C | dam1-5 | NO |
| 723 | YNR011C | 30°C - 35°C | prp2-1 | YES |
| 724 | YGR113W | 37°C | dam1-9 | NO |
| 725 | YGL207W | 35°C | spt16-ts | NO |
| 726 | YGR113W | 37°C - 38.5°C | dam1-19 | NO |
| 727 | YIR008C | 30°C - 35°C | pri1-M4 | NO |
| 728 | YGR113W | 35°C | dam1-1 | NO |
| 729 | YJR065C | 38.5°C | arp3-D11A | NO |
| 730 | YIL144W | 30°C | tid3-1 | NO |
| 731 | YJR068W | 26°C - 30°C | rfc2-1 | NO |
| 732 | YLL036C | 30°C | prp19-1 | YES |

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| | | | | |
|-----|---------|-------------------------------------|--------------------|-----|
| 733 | YNL102W | 35°C | <i>pol1-ts</i> | NO |
| 734 | YLL050C | 35°C | <i>cof1-8</i> | NO |
| 735 | YNL102W | 30°C | <i>pol1-2</i> | NO |
| 736 | YDR060W | 35°C | <i>mak21-1</i> | NO |
| 737 | YNL102W | 35°C | <i>pol1-17</i> | NO |
| 738 | YDR060W | 38.5°C slow | <i>mak21-3</i> | NO |
| 739 | YNL102W | 30°C - 35°C | <i>pol1-13</i> | NO |
| 740 | YDR189W | 30°C - 35°C | <i>sly1-ts</i> | NO |
| 741 | YKL049C | 38.5°C | <i>cse4-1</i> | YES |
| 742 | YBR109C | 37°C | <i>cmd1-8</i> | NO |
| 743 | YOR057W | 35°C | <i>sgt1-3</i> | YES |
| 744 | YGR092W | 37°C | <i>dbf2-1</i> | NO |
| 745 | YOR116C | 35°C | <i>rpo31-698</i> | NO |
| 746 | YGR092W | 37°C | <i>dbf2-2</i> | NO |
| 747 | YPR086W | 38.5°C | <i>sua7-C149R</i> | NO |
| 748 | YGR092W | 37°C | <i>dbf2-3</i> | NO |
| 749 | YML010W | 35°C, slow at 22°C - 30°C | <i>spt5-194</i> | NO |
| 750 | YDR052C | 30°C - 35°C | <i>dbf4-1</i> | NO |
| 751 | YGR116W | 30°C - 35°C | <i>spt6-14</i> | NO |
| 752 | YDR052C | 30°C | <i>dbf4-2</i> | YES |
| 753 | YGR156W | 37°C | <i>pti1-ts1</i> | NO |
| 754 | YDR052C | 37°C | <i>dbf4-3</i> | YES |
| 755 | YIL118W | 30°C - 35°C, grows at 37°C - 38.5°C | <i>rho3-Ser228</i> | NO |
| 756 | YDR052C | 30°C | <i>dbf4-4</i> | NO |
| 757 | YKL112W | 26°C - 30°C | <i>abf1-101</i> | NO |
| 758 | YPL209C | 30°C - 35°C | <i>ipl1-1</i> | NO |
| 759 | YKL203C | 30°C | <i>tor2-29</i> | NO |
| 760 | YDL028C | 26°C - 30°C | <i>mps1-1</i> | NO |
| 761 | YKR037C | 30°C - 35°C | <i>spc34-ts</i> | NO |
| 762 | YDL028C | 35°C | <i>mps1-3796</i> | YES |
| 763 | YLR298C | 26°C - 30°C | <i>yhc1-3</i> | NO |
| 764 | YPR175W | 30°C - 35°C | <i>dpb2-1</i> | NO |
| 765 | YFL037W | 35°C | <i>tub2-443</i> | NO |
| 766 | YHR027C | 30°C - 35°C | <i>rpn1-821</i> | NO |
| 767 | YLL004W | 30°C | <i>orc3-70</i> | NO |
| 768 | YHR164C | 30°C | <i>dna2-1</i> | NO |
| 769 | YIR006C | 35°C - 37°C | <i>pan1-4</i> | YES |
| 770 | YJL005W | 35°C - 37°C | <i>cdc35-1</i> | NO |
| 771 | YJL074C | 30°C | <i>smc3-1</i> | NO |
| 772 | YGL130W | 30°C - 35°C | <i>ceg1-ts</i> | NO |
| 773 | YOR259C | 35°C - 37°C | <i>rpt4-150</i> | NO |
| 774 | YJR076C | 30°C - 35°C | <i>cdc11-1</i> | NO |
| 775 | YBR236C | 30°C - 35°C | <i>abd1-8</i> | NO |
| 776 | YLR127C | 35°C | <i>apc2-8</i> | NO |
| 777 | YGL130W | 30°C | <i>ceg1-34</i> | NO |
| 778 | YOR259C | 35°C - 37°C | <i>rpt4-145</i> | NO |
| 779 | YLR086W | 30°C | <i>smc4-1</i> | NO |
| 780 | YDL028C | 30°C | <i>mps1-417</i> | NO |
| 781 | YLR298C | 35°C, slow at 22°C - 30°C | <i>yhc1-6</i> | NO |

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| | | | | |
|-----|---------|---------------------------|--------------------|-----|
| 782 | YDL028C | 30°C | <i>mps1-6</i> | NO |
| 783 | YOL094C | 35°C - 37°C | <i>rfc4-20</i> | NO |
| 784 | YLR298C | 30°C - 35°C | <i>yhc1-8</i> | NO |
| 785 | YMR168C | 30°C - 35°C | <i>cep3-2</i> | NO |
| 786 | YKL018W | 22°C slow & 37°C slow | <i>swd2-ts1</i> | NO |
| 787 | YML069W | 30°C | <i>pob3-L78R</i> | YES |
| 788 | YBR160W | 35°C - 37°C | <i>cdc28-1</i> | NO |
| 789 | YML069W | 35°C | <i>pob3-Q308K</i> | YES |
| 790 | YBR160W | 35°C | <i>cdc28-13</i> | NO |
| 791 | YJL085W | 35°C | <i>exo70-38</i> | NO |
| 792 | YML031W | 35°C - 37°C | <i>ndc1-4</i> | NO |
| 793 | YOR149C | 30°C | <i>smp3-1</i> | NO |
| 794 | YBR110W | 37°C | <i>alg1-1</i> | NO |
| 795 | YOR260W | 35°C | <i>gcd1-502</i> | NO |
| 796 | YDL126C | 35°C | <i>cdc48-4601</i> | NO |
| 797 | YDL126C | 35°C | <i>cdc48-9</i> | NO |
| 798 | YDL195W | 30°C - 35°C | <i>sec31-1</i> | NO |
| 799 | YDL030W | 26°C | <i>prp9-ts</i> | NO |
| 800 | YLR397C | 35°C | <i>afg2-18</i> | NO |
| 801 | YNL102W | 35°C | <i>pol1-1</i> | NO |
| 802 | YNL207W | 35°C | <i>rio2-1</i> | NO |
| 803 | YPL082C | 30°C - 35°C | <i>mot1-1033</i> | NO |
| 804 | YOR157C | 38.5°C | <i>pup1-1</i> | NO |
| 805 | YPR055W | 35°C - 37°C | <i>sec8-6</i> | NO |
| 806 | YOR326W | 35°C | <i>myo2-14</i> | NO |
| 807 | YBL035C | 30°C - 35°C | <i>pol12-ts</i> | NO |
| 808 | YPL228W | 30°C | <i>cet1-1</i> | NO |
| 809 | YGL145W | 30°C - 35°C | <i>tip20-5</i> | NO |
| 810 | YBR055C | 35°C | <i>prp6-ts</i> | NO |
| 811 | YFR027W | 35°C | <i>eco1-1</i> | YES |
| 812 | YGL116W | 35°C | <i>cdc20-3</i> | NO |
| 813 | YAR007C | 38.5°C slow | <i>rfa1-M2</i> | NO |
| 814 | YDL043C | 30°C - 35°C | <i>prp11-ts</i> | NO |
| 815 | YBL034C | 35°C | <i>stu1-5</i> | NO |
| 816 | YDL064W | 35°C | <i>ubc9-2</i> | NO |
| 817 | YBL076C | 35°C | <i>ils1-1</i> | NO |
| 818 | YDR331W | 35°C | <i>gpi8-ts</i> | NO |
| 819 | YDR356W | 38.5°C slow | <i>spc110-221</i> | NO |
| 820 | YDR087C | 35°C | <i>rrp1-1</i> | NO |
| 821 | YER125W | 35°C | <i>rsp5-1</i> | NO |
| 822 | YLR116W | 26°C - 30°C | <i>msl5-9</i> | NO |
| 823 | YJL085W | 30°C | <i>exo70-29/37</i> | YES |
| 824 | YER133W | 38.5°C slow | <i>glc7-10</i> | NO |
| 825 | YKR037C | 35°C | <i>spc34 41-1</i> | YES |
| 826 | YER133W | 37°C | <i>glc7-12</i> | NO |
| 827 | YOL123W | 35°C, slow at 22°C - 30°C | <i>hrp1-4</i> | NO |
| 828 | YGL048C | 37°C - 38.5°C | <i>rpt6-25</i> | NO |
| 829 | YDL103C | 30°C | <i>qri1-ts1</i> | NO |
| 830 | YGR120C | 35°C | <i>cog2-1</i> | NO |

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| | | | | |
|-----|---------|---------------|-----------------|-----|
| 831 | YDL103C | 30°C | <i>qri1-ts6</i> | NO |
| 832 | YIL048W | 30°C - 35°C | <i>neo1-2</i> | NO |
| 833 | YPL190C | 26°C - 30°C | <i>nab3-11</i> | NO |
| 834 | YIL109C | 35°C | <i>sec24-2</i> | NO |
| 835 | YDR113C | 30°C - 35°C | <i>pds1-128</i> | YES |
| 836 | YKL145W | 37°C - 38.5°C | <i>rpt1-1</i> | NO |
| 837 | YKL210W | 37°C | <i>uba1-1</i> | NO |
| 838 | YPL255W | 26°C - 30°C | <i>bbp1-2</i> | NO |
| 839 | YFL009W | 37°C | <i>cdc4-1</i> | NO |
| 840 | YFL009W | 37°C | <i>cdc4-1</i> | NO |
| 841 | YMR001C | 37°C | <i>cdc5-1</i> | NO |
| 842 | YMR001C | 37°C | <i>cdc5-1</i> | NO |
| 843 | YDL017W | 37°C | <i>cdc7-1</i> | NO |
| 844 | YDL017W | 37°C | <i>cdc7-1</i> | NO |
| 845 | YDL220C | 37°C | <i>cdc13-1</i> | NO |
| 846 | YDL220C | 37°C | <i>cdc13-1</i> | NO |
| 847 | YAR019C | 37°C | <i>cdc15-2</i> | NO |
| 848 | YAR019C | 37°C | <i>cdc15-2</i> | NO |
| 849 | YKL022C | 37°C | <i>cdc16-1</i> | NO |
| 850 | YKL022C | 37°C | <i>cdc16-1</i> | NO |
| 851 | YOR236W | 37°C | <i>dfr1-td</i> | NO |
| 852 | YOR236W | 37°C | <i>dfr1-td</i> | NO |
| 853 | YLR314C | 37°C | <i>cdc3-1</i> | NO |
| 854 | YLR314C | 37°C | <i>cdc3-1</i> | NO |
| 855 | YDL029W | 37°C | <i>arp2-14</i> | NO |
| 856 | YDL029W | 37°C | <i>arp2-14</i> | NO |
| 857 | YBR087W | 37°C | <i>rfc5-1</i> | NO |
| 858 | YBR087W | 37°C | <i>rfc5-1</i> | NO |
| 859 | YIL062C | 37°C | <i>arc15-10</i> | NO |
| 860 | YIL062C | 37°C | <i>arc15-10</i> | NO |
| 861 | YFL009W | 37°C | <i>cdc4-1</i> | NO |
| 862 | YFL009W | 37°C | <i>cdc4-1</i> | NO |
| 863 | YMR001C | 37°C | <i>cdc5-1</i> | NO |
| 864 | YMR001C | 37°C | <i>cdc5-1</i> | NO |
| 865 | YDL017W | 37°C | <i>cdc7-1</i> | NO |
| 866 | YDL017W | 37°C | <i>cdc7-1</i> | NO |
| 867 | YDL220C | 37°C | <i>cdc13-1</i> | NO |
| 868 | YDL220C | 37°C | <i>cdc13-1</i> | NO |
| 869 | YAR019C | 37°C | <i>cdc15-2</i> | NO |
| 870 | YAR019C | 37°C | <i>cdc15-2</i> | NO |
| 871 | YKL022C | 37°C | <i>cdc16-1</i> | NO |
| 872 | YKL022C | 37°C | <i>cdc16-1</i> | NO |
| 873 | YOR236W | 37°C | <i>dfr1-td</i> | NO |
| 874 | YOR236W | 37°C | <i>dfr1-td</i> | NO |
| 875 | YLR314C | 37°C | <i>cdc3-1</i> | NO |
| 876 | YLR314C | 37°C | <i>cdc3-1</i> | NO |
| 877 | YDL029W | 37°C | <i>arp2-14</i> | NO |
| 878 | YDL029W | 37°C | <i>arp2-14</i> | NO |
| 879 | YBR087W | 37°C | <i>rfc5-1</i> | NO |

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| | | | | |
|-----|---------|-------------|------------------|-----|
| 880 | YBR087W | 37°C | <i>rfc5-1</i> | NO |
| 881 | YIL062C | 37°C | <i>arc15-10</i> | NO |
| 882 | YIL062C | 37°C | <i>arc15-10</i> | NO |
| 883 | YDR196C | 37°C | <i>ydr196c-1</i> | NO |
| 884 | YDR196C | 37°C | <i>ydr196c-1</i> | NO |
| 885 | YOR257W | slow at all | <i>cdc31-1</i> | NO |
| 886 | YOR257W | slow at all | <i>cdc31-1</i> | NO |
| 887 | YKL189W | 38.5°C | <i>hym1-15</i> | YES |
| 888 | YKL189W | 38.5°C | <i>hym1-15</i> | NO |
| 889 | YKL018W | slow at all | <i>swd2-1</i> | NO |
| 890 | YKL018W | slow at all | <i>swd2-1</i> | YES |
| 891 | YJR065C | 38.5°C | <i>arp3-31</i> | NO |
| 892 | YJR065C | 38.5°C | <i>arp3-31</i> | NO |
| 893 | YGR002C | 37°C | <i>swc4-4</i> | NO |
| 894 | YGR002C | 37°C | <i>swc4-4</i> | NO |
| 895 | YJL097W | slow at all | <i>phs1-1</i> | NO |
| 896 | YJL097W | slow at all | <i>phs1-1</i> | NO |
| 897 | YNL102W | slow at all | <i>pol1-12</i> | NO |
| 898 | YNL102W | slow at all | <i>pol1-12</i> | NO |
| 899 | YGL116W | 37°C | <i>cdc20-1</i> | NO |
| 900 | YGL116W | 37°C | <i>cdc20-1</i> | NO |
| 901 | YCR002C | 37°C | <i>cdc10-5</i> | NO |
| 902 | YCR002C | 37°C | <i>cdc10-5</i> | NO |
| 903 | YPR181C | 37°C | <i>sec23-1</i> | NO |
| 904 | YPR181C | 37°C | <i>sec23-1</i> | NO |
| 905 | YDR196C | 37°C | <i>ydr196c-1</i> | NO |
| 906 | YDR196C | 37°C | <i>ydr196c-1</i> | NO |
| 907 | YOR257W | slow at all | <i>cdc31-1</i> | NO |
| 908 | YOR257W | slow at all | <i>cdc31-1</i> | NO |
| 909 | YKL189W | 38.5°C | <i>hym1-15</i> | NO |
| 910 | YKL189W | 38.5°C | <i>hym1-15</i> | NO |
| 911 | YKL018W | slow at all | <i>swd2-1</i> | NO |
| 912 | YKL018W | slow at all | <i>swd2-1</i> | NO |
| 913 | YJR065C | 38.5°C | <i>arp3-31</i> | NO |
| 914 | YJR065C | 38.5°C | <i>arp3-31</i> | NO |
| 915 | YGR002C | 37°C | <i>swc4-4</i> | NO |
| 916 | YGR002C | 37°C | <i>swc4-4</i> | NO |
| 917 | YJL097W | slow at all | <i>phs1-1</i> | NO |
| 918 | YJL097W | slow at all | <i>phs1-1</i> | NO |
| 919 | YNL102W | slow at all | <i>pol1-12</i> | NO |
| 920 | YNL102W | slow at all | <i>pol1-12</i> | NO |
| 921 | YGL116W | 37°C | <i>cdc20-1</i> | NO |
| 922 | YGL116W | 37°C | <i>cdc20-1</i> | NO |
| 923 | YCR002C | 37°C | <i>cdc10-5</i> | NO |
| 924 | YCR002C | 37°C | <i>cdc10-5</i> | NO |
| 925 | YPR181C | 37°C | <i>sec23-1</i> | YES |
| 926 | YPR181C | 37°C | <i>sec23-1</i> | NO |
| 927 | YNL222W | 37°C | <i>ssu72-2</i> | YES |
| 928 | YNL222W | 37°C | <i>ssu72-2</i> | NO |

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| | | | | |
|-----|---------|--------------------------|-----------------|-----|
| 929 | YDR208W | 30°C | <i>mss4-102</i> | NO |
| 930 | YDR208W | 30°C | <i>mss4-102</i> | NO |
| 931 | YFL039C | 30°C - 35°C | <i>act1-108</i> | NO |
| 932 | YFL039C | 30°C - 35°C | <i>act1-108</i> | NO |
| 933 | YOR335C | 30°C - 35°C | <i>ala1-1</i> | NO |
| 934 | YOR335C | 30°C - 35°C | <i>ala1-1</i> | NO |
| 935 | YGL048C | 30°C | <i>rpt6-1</i> | NO |
| 936 | YGL048C | 30°C | <i>rpt6-1</i> | NO |
| 937 | YGL048C | 37°C | <i>rpt6-20</i> | NO |
| 938 | YGL048C | 37°C | <i>rpt6-20</i> | NO |
| 939 | YLR071C | 38.5°C | <i>rgr1-100</i> | NO |
| 940 | YLR071C | 38.5°C | <i>rgr1-100</i> | NO |
| 941 | YFL039C | 35°C | <i>act1-105</i> | NO |
| 942 | YFL039C | 35°C | <i>act1-105</i> | NO |
| 943 | YFL039C | 37°C, slow 26°C | <i>act1-159</i> | NO |
| 944 | YFL039C | 37°C, slow 26°C | <i>act1-159</i> | NO |
| 945 | YFL039C | 38.5°C, slow 22°C - 37°C | <i>act1-121</i> | NO |
| 946 | YFL039C | 38.5°C, slow 22°C - 37°C | <i>act1-121</i> | NO |
| 947 | YOR181W | 30°C | <i>las17-1</i> | NO |
| 948 | YOR181W | 30°C | <i>las17-1</i> | NO |
| 949 | YNL222W | 37°C | <i>ssu72-2</i> | NO |
| 950 | YNL222W | 37°C | <i>ssu72-2</i> | NO |
| 951 | YDR208W | 30°C | <i>mss4-102</i> | NO |
| 952 | YDR208W | 30°C | <i>mss4-102</i> | NO |
| 953 | YFL039C | 30°C - 35°C | <i>act1-108</i> | NO |
| 954 | YFL039C | 30°C - 35°C | <i>act1-108</i> | NO |
| 955 | YOR335C | 30°C - 35°C | <i>ala1-1</i> | NO |
| 956 | YOR335C | 30°C - 35°C | <i>ala1-1</i> | NO |
| 957 | YGL048C | 30°C | <i>rpt6-1</i> | NO |
| 958 | YGL048C | 30°C | <i>rpt6-1</i> | NO |
| 959 | YGL048C | 37°C | <i>rpt6-20</i> | YES |
| 960 | YGL048C | 37°C | <i>rpt6-20</i> | NO |
| 961 | YLR071C | 38.5°C | <i>rgr1-100</i> | NO |
| 962 | YLR071C | 38.5°C | <i>rgr1-100</i> | NO |
| 963 | YFL039C | 35°C | <i>act1-105</i> | NO |
| 964 | YFL039C | 35°C | <i>act1-105</i> | NO |
| 965 | YFL039C | 37°C, slow 26°C | <i>act1-159</i> | NO |
| 966 | YFL039C | 37°C, slow 26°C | <i>act1-159</i> | NO |
| 967 | YFL039C | 38.5°C, slow 22°C - 37°C | <i>act1-121</i> | NO |
| 968 | YFL039C | 38.5°C, slow 22°C - 37°C | <i>act1-121</i> | NO |
| 969 | YOR181W | 30°C | <i>las17-1</i> | NO |
| 970 | YOR181W | 30°C | <i>las17-1</i> | NO |
| 971 | YOR048C | 30°C | <i>rat1-1</i> | NO |
| 972 | YOR048C | 30°C | <i>rat1-1</i> | NO |
| 973 | YPR103W | 38.5°C very slow | <i>pre2-1</i> | NO |
| 974 | YPR103W | 38.5°C very slow | <i>pre2-1</i> | NO |
| 975 | YPR103W | 38.5°C slow | <i>pre2-127</i> | NO |
| 976 | YPR103W | 38.5°C slow | <i>pre2-127</i> | NO |
| 977 | YPR103W | 38.5°C slow | <i>pre2-2</i> | NO |

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| | | | | |
|------|-----------|----------------------------------|------------|-----|
| 978 | YPR103W | 38.5°C slow | pre2-2 | NO |
| 979 | YPR103W | 38.5°C | pre2-75 | NO |
| 980 | YPR103W | 38.5°C | pre2-75 | YES |
| 981 | YPR103W | 38.5°C slow | pre2-V214A | NO |
| 982 | YPR103W | 38.5°C slow | pre2-V214A | NO |
| 983 | YPL160W | 35°C | cdc60-ts | NO |
| 984 | YPL160W | 35°C | cdc60-ts | NO |
| 985 | YBR135W | 35°C - 37°C | cks1-35 | NO |
| 986 | YBR135W | 35°C - 37°C | cks1-35 | NO |
| 987 | YOR181W | 35°C | las17-13 | NO |
| 988 | YOR181W | 35°C | las17-13 | NO |
| 989 | YOR048C | 30°C | rat1-1 | NO |
| 990 | YOR048C | 30°C | rat1-1 | NO |
| 991 | YPR103W | 38.5°C very slow | pre2-1 | NO |
| 992 | YPR103W | 38.5°C very slow | pre2-1 | NO |
| 993 | YPR103W | 38.5°C slow | pre2-127 | NO |
| 994 | YPR103W | 38.5°C slow | pre2-127 | NO |
| 995 | YPR103W | 38.5°C slow | pre2-2 | NO |
| 996 | YPR103W | 38.5°C slow | pre2-2 | NO |
| 997 | YPR103W | 38.5°C | pre2-75 | NO |
| 998 | YPR103W | 38.5°C | pre2-75 | NO |
| 999 | YPR103W | 38.5°C slow | pre2-V214A | NO |
| 1000 | YPR103W | 38.5°C slow | pre2-V214A | NO |
| 1001 | YPL160W | 35°C | cdc60-ts | NO |
| 1002 | YPL160W | 35°C | cdc60-ts | NO |
| 1003 | YBR135W | 35°C - 37°C | cks1-35 | NO |
| 1004 | YBR135W | 35°C - 37°C | cks1-35 | NO |
| 1005 | YOR181W | 35°C | las17-13 | NO |
| 1006 | YOR181W | 35°C | las17-13 | NO |
| 1007 | YFR028C | 30°C - 35°C | cdc14-8 | NO |
| 1008 | YFR028C | 30°C - 35°C | cdc14-8 | NO |
| 1009 | YOR074C | 26°C | cdc21-1 | NO |
| 1010 | YOR074C | 26°C | cdc21-1 | NO |
| 1011 | YDR510W | 35°C | smt3-331 | NO |
| 1012 | YDR510W | 35°C | smt3-331 | NO |
| 1013 | YJL019W | 30°C | mps3-7 | NO |
| 1014 | YJL019W | 30°C | mps3-7 | NO |
| 1015 | YPR034W | 30°C - 35°C, slow at 22°C - 30°C | arp7-E411K | NO |
| 1016 | YPR034W | 30°C - 35°C, slow at 22°C - 30°C | arp7-E411K | NO |
| 1017 | YIL126W | 38.5°C | sth1-3 | NO |
| 1018 | YIL126W | 38.5°C | sth1-3 | NO |
| 1019 | YOR204W | 26°C - 30°C | ded1-F144C | NO |
| 1020 | YOR204W | 26°C - 30°C | ded1-F144C | NO |
| 1021 | YBR143C | 30°C | sup45-ts | NO |
| 1022 | YBR143C | 30°C | sup45-ts | NO |
| 1023 | YDL007W | 35°C - 37°C, sick at 22°C | rpt2-RF | NO |
| 1024 | YDL007W | 35°C - 37°C, sick at 22°C | rpt2-RF | NO |
| 1025 | YFL034C-B | 30°C - 35°C | mob2-14 | YES |
| 1026 | YFL034C-B | 30°C - 35°C | mob2-14 | NO |

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| | | | | |
|------|-----------|----------------------------------|-------------------|-----|
| 1027 | YFL034C-B | 30°C - 35°C | <i>mob2-28</i> | NO |
| 1028 | YFL034C-B | 30°C - 35°C | <i>mob2-28</i> | NO |
| 1029 | YFR028C | 30°C - 35°C | <i>cdc14-8</i> | NO |
| 1030 | YFR028C | 30°C - 35°C | <i>cdc14-8</i> | YES |
| 1031 | YOR074C | 26°C | <i>cdc21-1</i> | NO |
| 1032 | YOR074C | 26°C | <i>cdc21-1</i> | NO |
| 1033 | YDR510W | 35°C | <i>smt3-331</i> | YES |
| 1034 | YDR510W | 35°C | <i>smt3-331</i> | NO |
| 1035 | YJL019W | 30°C | <i>mps3-7</i> | NO |
| 1036 | YJL019W | 30°C | <i>mps3-7</i> | NO |
| 1037 | YPR034W | 30°C - 35°C, slow at 22°C - 30°C | <i>arp7-E411K</i> | NO |
| 1038 | YPR034W | 30°C - 35°C, slow at 22°C - 30°C | <i>arp7-E411K</i> | NO |
| 1039 | YIL126W | 38.5°C | <i>sth1-3</i> | NO |
| 1040 | YIL126W | 38.5°C | <i>sth1-3</i> | NO |
| 1041 | YOR204W | 26°C - 30°C | <i>ded1-F144C</i> | NO |
| 1042 | YOR204W | 26°C - 30°C | <i>ded1-F144C</i> | NO |
| 1043 | YBR143C | 30°C | <i>sup45-ts</i> | NO |
| 1044 | YBR143C | 30°C | <i>sup45-ts</i> | NO |
| 1045 | YDL007W | 35°C - 37°C, sick at 22°C | <i>rpt2-RF</i> | NO |
| 1046 | YDL007W | 35°C - 37°C, sick at 22°C | <i>rpt2-RF</i> | NO |
| 1047 | YFL034C-B | 30°C - 35°C | <i>mob2-14</i> | NO |
| 1048 | YFL034C-B | 30°C - 35°C | <i>mob2-14</i> | YES |
| 1049 | YFL034C-B | 30°C - 35°C | <i>mob2-28</i> | NO |
| 1050 | YFL034C-B | 30°C - 35°C | <i>mob2-28</i> | YES |
| 1051 | YGR099W | 35°C | <i>tel2-15</i> | YES |
| 1052 | YGR099W | 35°C | <i>tel2-15</i> | NO |
| 1053 | YFL034C-B | 30°C | <i>mob2-19</i> | YES |
| 1054 | YFL034C-B | 30°C | <i>mob2-19</i> | YES |
| 1055 | YFL034C-B | 30°C | <i>mob2-20</i> | NO |
| 1056 | YFL034C-B | 30°C | <i>mob2-20</i> | NO |
| 1057 | YNL061W | 30°C - 35°C | <i>nop2-10</i> | NO |
| 1058 | YNL061W | 30°C - 35°C | <i>nop2-10</i> | NO |
| 1059 | YMR005W | 35°C - 37°C | <i>taf4-18</i> | NO |
| 1060 | YMR005W | 35°C - 37°C | <i>taf4-18</i> | NO |
| 1061 | YOL123W | 35°C | <i>hrp1-7</i> | NO |
| 1062 | YOL123W | 35°C | <i>hrp1-7</i> | NO |
| 1063 | YOR046C | 30°C | <i>dbp5-2</i> | NO |
| 1064 | YOR046C | 30°C | <i>dbp5-2</i> | NO |
| 1065 | YPR033C | 35°C | <i>hts1-1</i> | NO |
| 1066 | YPR033C | 35°C | <i>hts1-1</i> | NO |
| 1067 | YLR215C | 30°C, very slow at 22°C | <i>cdc123-4</i> | NO |
| 1068 | YLR215C | 30°C, very slow at 22°C | <i>cdc123-4</i> | NO |
| 1069 | YIL046W | 37°C, slow 22°C | <i>met30-9</i> | NO |
| 1070 | YIL046W | 37°C, slow 22°C | <i>met30-9</i> | NO |
| 1071 | YIL046W | 30°C | <i>met30-6</i> | NO |
| 1072 | YIL046W | 30°C | <i>met30-6</i> | YES |
| 1073 | YGR099W | 35°C | <i>tel2-15</i> | NO |
| 1074 | YGR099W | 35°C | <i>tel2-15</i> | NO |
| 1075 | YFL034C-B | 30°C | <i>mob2-19</i> | NO |

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|------|-----------|---------------------------|-------------------|-----|
| 1076 | YFL034C-B | 30°C | <i>mob2-19</i> | NO |
| 1077 | YFL034C-B | 30°C | <i>mob2-20</i> | NO |
| 1078 | YFL034C-B | 30°C | <i>mob2-20</i> | NO |
| 1079 | YNL061W | 30°C - 35°C | <i>nop2-10</i> | NO |
| 1080 | YNL061W | 30°C - 35°C | <i>nop2-10</i> | NO |
| 1081 | YMR005W | 35°C - 37°C | <i>taf4-18</i> | NO |
| 1082 | YMR005W | 35°C - 37°C | <i>taf4-18</i> | NO |
| 1083 | YOL123W | 35°C | <i>hrp1-7</i> | NO |
| 1084 | YOL123W | 35°C | <i>hrp1-7</i> | NO |
| 1085 | YOR046C | 30°C | <i>dbp5-2</i> | NO |
| 1086 | YOR046C | 30°C | <i>dbp5-2</i> | NO |
| 1087 | YPR033C | 35°C | <i>hts1-1</i> | NO |
| 1088 | YPR033C | 35°C | <i>hts1-1</i> | YES |
| 1089 | YLR215C | 30°C, very slow at 22°C | <i>cdc123-4</i> | NO |
| 1090 | YLR215C | 30°C, very slow at 22°C | <i>cdc123-4</i> | NO |
| 1091 | YIL046W | 37°C, slow 22°C | <i>met30-9</i> | NO |
| 1092 | YIL046W | 37°C, slow 22°C | <i>met30-9</i> | NO |
| 1093 | YIL046W | 30°C | <i>met30-6</i> | NO |
| 1094 | YIL046W | 30°C | <i>met30-6</i> | NO |
| 1095 | YBL034C | 30°C - 35°C | <i>stu1-7</i> | NO |
| 1096 | YBL034C | 30°C - 35°C | <i>stu1-7</i> | YES |
| 1097 | YDR460W | 37°C - 38.5°C | <i>tfb3-ts</i> | NO |
| 1098 | YDR460W | 37°C - 38.5°C | <i>tfb3-ts</i> | NO |
| 1099 | YLR321C | 30°C | <i>sfh1-1</i> | NO |
| 1100 | YLR321C | 30°C | <i>sfh1-1</i> | NO |
| 1101 | YOR174W | 37°C | <i>med4-54</i> | NO |
| 1102 | YOR174W | 37°C | <i>med4-54</i> | NO |
| 1103 | YGL097W | 30°C | <i>srm1-ts</i> | NO |
| 1104 | YGL097W | 30°C | <i>srm1-ts</i> | YES |
| 1105 | YDR167W | 35°C - 37°C | <i>taf10-ts34</i> | NO |
| 1106 | YDR167W | 35°C - 37°C | <i>taf10-ts34</i> | NO |
| 1107 | YER168C | 35°C, slow at 22°C - 26°C | <i>cca1-1</i> | NO |
| 1108 | YER168C | 35°C, slow at 22°C - 26°C | <i>cca1-1</i> | NO |
| 1109 | YLL031C | 37°C - 38.5°C | <i>gpi13-4</i> | NO |
| 1110 | YLL031C | 37°C - 38.5°C | <i>gpi13-4</i> | NO |
| 1111 | YOL123W | 26°C - 30°C, slow at 22°C | <i>hrp1-1</i> | NO |
| 1112 | YOL123W | 26°C - 30°C, slow at 22°C | <i>hrp1-1</i> | NO |
| 1113 | YBL034C | 30°C - 35°C | <i>stu1-7</i> | NO |
| 1114 | YBL034C | 30°C - 35°C | <i>stu1-7</i> | NO |
| 1115 | YDR460W | 37°C - 38.5°C | <i>tfb3-ts</i> | NO |
| 1116 | YDR460W | 37°C - 38.5°C | <i>tfb3-ts</i> | NO |
| 1117 | YLR321C | 30°C | <i>sfh1-1</i> | NO |
| 1118 | YLR321C | 30°C | <i>sfh1-1</i> | NO |
| 1119 | YOR174W | 37°C | <i>med4-54</i> | NO |
| 1120 | YOR174W | 37°C | <i>med4-54</i> | NO |
| 1121 | YGL097W | 30°C | <i>srm1-ts</i> | NO |
| 1122 | YGL097W | 30°C | <i>srm1-ts</i> | NO |
| 1123 | YDR167W | 35°C - 37°C | <i>taf10-ts34</i> | NO |
| 1124 | YDR167W | 35°C - 37°C | <i>taf10-ts34</i> | NO |

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| | | | | |
|------|---------|---------------------------|------------------|-----|
| 1125 | YER168C | 35°C, slow at 22°C - 26°C | <i>cca1-1</i> | NO |
| 1126 | YER168C | 35°C, slow at 22°C - 30°C | <i>cca1-1</i> | NO |
| 1127 | YLL031C | 37°C - 38.5°C | <i>gpi13-4</i> | NO |
| 1128 | YLL031C | 37°C - 38.5°C | <i>gpi13-4</i> | NO |
| 1129 | YOL123W | 26°C - 30°C, slow at 22°C | <i>hrp1-1</i> | NO |
| 1130 | YOL123W | 26°C - 30°C, slow at 22°C | <i>hrp1-1</i> | NO |
| 1131 | YDL132W | 35°C - 37°C | <i>cdc53-1</i> | NO |
| 1132 | YDL132W | 35°C - 37°C | <i>cdc53-1</i> | NO |
| 1133 | YDL084W | 30°C | <i>sub2-1</i> | NO |
| 1134 | YDL084W | 30°C | <i>sub2-1</i> | NO |
| 1135 | YGR098C | 30°C - 35°C | <i>esp1-1</i> | NO |
| 1136 | YGR098C | 30°C - 35°C | <i>esp1-1</i> | NO |
| 1137 | YGR172C | 37°C | <i>yip1-4</i> | NO |
| 1138 | YGR172C | 37°C | <i>yip1-4</i> | NO |
| 1139 | YGR172C | 35°C - 37°C | <i>yip1-40</i> | NO |
| 1140 | YGR172C | 35°C - 37°C | <i>yip1-40</i> | NO |
| 1141 | YML049C | 30°C | <i>rse1-1</i> | NO |
| 1142 | YML049C | 30°C | <i>rse1-1</i> | NO |
| 1143 | YPL266W | 37°C | <i>dim1-2</i> | NO |
| 1144 | YPL266W | 37°C | <i>dim1-2</i> | NO |
| 1145 | YDL132W | 35°C - 37°C | <i>cdc53-1</i> | NO |
| 1146 | YDL132W | 35°C - 37°C | <i>cdc53-1</i> | NO |
| 1147 | YDL084W | 30°C | <i>sub2-1</i> | NO |
| 1148 | YDL084W | 30°C | <i>sub2-1</i> | NO |
| 1149 | YGR098C | 30°C - 35°C | <i>esp1-1</i> | NO |
| 1150 | YGR098C | 30°C - 35°C | <i>esp1-1</i> | YES |
| 1151 | YGR172C | 37°C | <i>yip1-4</i> | NO |
| 1152 | YGR172C | 37°C | <i>yip1-4</i> | NO |
| 1153 | YGR172C | 35°C - 37°C | <i>yip1-40</i> | NO |
| 1154 | YGR172C | 35°C - 37°C | <i>yip1-40</i> | NO |
| 1155 | YML049C | 30°C | <i>rse1-1</i> | NO |
| 1156 | YML049C | 30°C | <i>rse1-1</i> | YES |
| 1157 | YPL266W | 37°C | <i>dim1-2</i> | NO |
| 1158 | YPL266W | 37°C | <i>dim1-2</i> | NO |
| 1159 | YAL003W | 37°C, slow 22°C - 26°C | <i>efb1-4</i> | NO |
| 1160 | YAL003W | 37°C, slow 22°C - 26°C | <i>efb1-4</i> | NO |
| 1161 | YDR050C | 35°C | <i>tpi1-1670</i> | NO |
| 1162 | YDR050C | 35°C | <i>tpi1-1670</i> | NO |
| 1163 | YKL104C | 30°C | <i>gfa1-97</i> | NO |
| 1164 | YKL104C | 30°C | <i>gfa1-97</i> | NO |
| 1165 | YBR079C | 35°C | <i>rpg1-1</i> | NO |
| 1166 | YBR079C | 35°C | <i>rpg1-1</i> | NO |
| 1167 | YDL105W | 35°C | <i>nse4-ts1</i> | NO |
| 1168 | YDL105W | 35°C | <i>nse4-ts1</i> | NO |
| 1169 | YDL105W | 35°C | <i>nse4-ts3</i> | NO |
| 1170 | YDL105W | 35°C | <i>nse4-ts3</i> | NO |
| 1171 | YDL105W | 35°C | <i>nse4-ts4</i> | NO |
| 1172 | YDL105W | 35°C | <i>nse4-ts4</i> | NO |
| 1173 | YAL003W | 37°C, slow 22°C - 26°C | <i>efb1-4</i> | NO |

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|------|---------|-------------------------------|-------------------|-----|
| 1174 | YAL003W | 37°C, slow 22°C - 26°C | <i>efb1-4</i> | NO |
| 1175 | YDR050C | 35°C | <i>tpi1-1670</i> | NO |
| 1176 | YDR050C | 35°C | <i>tpi1-1670</i> | NO |
| 1177 | YKL104C | 30°C | <i>gfa1-97</i> | NO |
| 1178 | YKL104C | 30°C | <i>gfa1-97</i> | NO |
| 1179 | YBR079C | 35°C | <i>rpg1-1</i> | NO |
| 1180 | YBR079C | 35°C | <i>rpg1-1</i> | NO |
| 1181 | YDL105W | 35°C | <i>nse4-ts1</i> | NO |
| 1182 | YDL105W | 35°C | <i>nse4-ts1</i> | NO |
| 1183 | YDL105W | 35°C | <i>nse4-ts3</i> | NO |
| 1184 | YDL105W | 35°C | <i>nse4-ts3</i> | NO |
| 1185 | YDL105W | 35°C | <i>nse4-ts4</i> | NO |
| 1186 | YDL105W | 35°C | <i>nse4-ts4</i> | NO |
| 1187 | YFR037C | 35°C - 37°C | <i>rsc8-ts16</i> | NO |
| 1188 | YFR037C | 35°C - 37°C | <i>rsc8-ts16</i> | YES |
| 1189 | YFR037C | 30°C - 35°C | <i>rsc8-ts21</i> | NO |
| 1190 | YFR037C | 30°C - 35°C | <i>rsc8-ts21</i> | NO |
| 1191 | YHR088W | 30°C - 37°C, sick 22°C - 26°C | <i>rpf1-1</i> | NO |
| 1192 | YHR088W | 30°C - 37°C, sick 22°C - 26°C | <i>rpf1-1</i> | NO |
| 1193 | YIL147C | 35°C - 37°C | <i>sln1-ts4</i> | NO |
| 1194 | YIL147C | 35°C - 37°C | <i>sln1-ts4</i> | NO |
| 1195 | YKL052C | 35°C - 37°C | <i>ask1-3</i> | NO |
| 1196 | YKL052C | 35°C - 37°C | <i>ask1-3</i> | NO |
| 1197 | YKL052C | 37°C | <i>ask1-2</i> | NO |
| 1198 | YKL052C | 37°C | <i>ask1-2</i> | NO |
| 1199 | YFR037C | 35°C - 37°C | <i>rsc8-ts16</i> | NO |
| 1200 | YFR037C | 35°C - 37°C | <i>rsc8-ts16</i> | NO |
| 1201 | YFR037C | 30°C - 35°C | <i>rsc8-ts21</i> | NO |
| 1202 | YFR037C | 30°C - 35°C | <i>rsc8-ts21</i> | NO |
| 1203 | YHR088W | 30°C - 37°C, sick 22°C - 26°C | <i>rpf1-1</i> | NO |
| 1204 | YHR088W | 30°C - 37°C, sick 22°C - 26°C | <i>rpf1-1</i> | NO |
| 1205 | YIL147C | 35°C - 37°C | <i>sln1-ts4</i> | NO |
| 1206 | YIL147C | 35°C - 37°C | <i>sln1-ts4</i> | NO |
| 1207 | YKL052C | 35°C - 37°C | <i>ask1-3</i> | NO |
| 1208 | YKL052C | 35°C - 37°C | <i>ask1-3</i> | NO |
| 1209 | YKL052C | 37°C | <i>ask1-2</i> | NO |
| 1210 | YKL052C | 37°C | <i>ask1-2</i> | NO |
| 1211 | YPR133C | 37°C | <i>spn1-K192N</i> | NO |
| 1212 | YPR133C | 37°C | <i>spn1-K192N</i> | NO |
| 1213 | YDR437W | 37°C | <i>gpi19-2-XH</i> | NO |
| 1214 | YDR437W | 37°C | <i>gpi19-2-XH</i> | NO |
| 1215 | YDL105W | 35°C - 37°C | <i>nse4-ts2</i> | NO |
| 1216 | YDL105W | 35°C - 37°C | <i>nse4-ts2</i> | NO |
| 1217 | YDR437W | 37°C | <i>gpi19-2</i> | NO |
| 1218 | YDR437W | 37°C | <i>gpi19-2</i> | NO |
| 1219 | YBL093C | 37°C | <i>rox3-182</i> | NO |
| 1220 | YBL093C | 37°C | <i>rox3-182</i> | NO |
| 1221 | YDR188W | 37°C - 38.5°C, sick at 22°C | <i>cct6-18</i> | NO |
| 1222 | YDR188W | 37°C - 38.5°C, sick at 22°C | <i>cct6-18</i> | NO |

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|------|---------|-------------------------------|--------------------|----|
| 1223 | YHR058C | 37°C | <i>med6-ts</i> | NO |
| 1224 | YHR058C | 37°C | <i>med6-ts</i> | NO |
| 1225 | YLR186W | 30°C - 35°C, slow 22°C - 26°C | <i>emg1-1</i> | NO |
| 1226 | YLR186W | 30°C - 35°C, slow 22°C - 26°C | <i>emg1-1</i> | NO |
| 1227 | YPR133C | 37°C | <i>spn1-K192N</i> | NO |
| 1228 | YPR133C | 37°C | <i>spn1-K192N</i> | NO |
| 1229 | YDR437W | 37°C | <i>gpi19-2-XH</i> | NO |
| 1230 | YDR437W | 37°C | <i>gpi19-2-XH</i> | NO |
| 1231 | YDL105W | 35°C - 37°C | <i>nse4-ts2</i> | NO |
| 1232 | YDL105W | 35°C - 37°C | <i>nse4-ts2</i> | NO |
| 1233 | YDR437W | 37°C | <i>gpi19-2</i> | NO |
| 1234 | YDR437W | 37°C | <i>gpi19-2</i> | NO |
| 1235 | YBL093C | 37°C | <i>rox3-182</i> | NO |
| 1236 | YBL093C | 37°C | <i>rox3-182</i> | NO |
| 1237 | YDR188W | 37°C - 38.5°C, sick at 22°C | <i>cct6-18</i> | NO |
| 1238 | YDR188W | 37°C - 38.5°C, sick at 22°C | <i>cct6-18</i> | NO |
| 1239 | YHR058C | 37°C | <i>med6-ts</i> | NO |
| 1240 | YHR058C | 37°C | <i>med6-ts</i> | NO |
| 1241 | YLR186W | 30°C - 35°C, slow 22°C - 26°C | <i>emg1-1</i> | NO |
| 1242 | YLR186W | 30°C - 35°C, slow 22°C - 26°C | <i>emg1-1</i> | NO |
| 1243 | YLR430W | 30°C | <i>sen1-1</i> | NO |
| 1244 | YLR430W | 30°C | <i>sen1-1</i> | NO |
| 1245 | YOL144W | 37°C | <i>nop8-101</i> | NO |
| 1246 | YOL144W | 37°C | <i>nop8-101</i> | NO |
| 1247 | YLR022C | 30°C - 35°C | <i>sdo1-VMA1-1</i> | NO |
| 1248 | YLR022C | 30°C - 35°C | <i>sdo1-VMA1-1</i> | NO |
| 1249 | YPR161C | 35°C - 37°C | <i>sgv1-23</i> | NO |
| 1250 | YPR161C | 35°C - 37°C | <i>sgv1-23</i> | NO |
| 1251 | YPR161C | 35°C - 37°C | <i>sgv1-80</i> | NO |
| 1252 | YPR161C | 35°C - 37°C | <i>sgv1-80</i> | NO |
| 1253 | YPR161C | 37°C | <i>sgv1-35</i> | NO |
| 1254 | YPR161C | 37°C | <i>sgv1-35</i> | NO |
| 1255 | YOL021C | 35°C | <i>dis3-1</i> | NO |
| 1256 | YOL021C | 35°C | <i>dis3-1</i> | NO |
| 1257 | YKL024C | 35°C, slow at 22°C - 30°C | <i>ura6-4</i> | NO |
| 1258 | YKL024C | 35°C, slow at 22°C - 30°C | <i>ura6-4</i> | NO |
| 1259 | YKL024C | 35°C, slow at 22°C - 30°C | <i>ura6-5</i> | NO |
| 1260 | YKL024C | 35°C, slow at 22°C - 30°C | <i>ura6-5</i> | NO |
| 1261 | YLR430W | 30°C | <i>sen1-1</i> | NO |
| 1262 | YLR430W | 30°C | <i>sen1-1</i> | NO |
| 1263 | YOL144W | 37°C | <i>nop8-101</i> | NO |
| 1264 | YOL144W | 37°C | <i>nop8-101</i> | NO |
| 1265 | YLR022C | 30°C - 35°C | <i>sdo1-VMA1-1</i> | NO |
| 1266 | YLR022C | 30°C - 35°C | <i>sdo1-VMA1-1</i> | NO |
| 1267 | YPR161C | 35°C - 37°C | <i>sgv1-23</i> | NO |
| 1268 | YPR161C | 35°C - 37°C | <i>sgv1-23</i> | NO |
| 1269 | YPR161C | 35°C - 37°C | <i>sgv1-80</i> | NO |
| 1270 | YPR161C | 35°C - 37°C | <i>sgv1-80</i> | NO |
| 1271 | YPR161C | 37°C | <i>sgv1-35</i> | NO |

Table S2 ts mutants, Page 27

| | | | | |
|------|---------|---------------------------|-------------------|----|
| 1272 | YPR161C | 37°C | <i>sgv1-35</i> | NO |
| 1273 | YOL021C | 35°C | <i>dis3-1</i> | NO |
| 1274 | YOL021C | 35°C | <i>dis3-1</i> | NO |
| 1275 | YKL024C | 35°C, slow at 22°C - 30°C | <i>ura6-4</i> | NO |
| 1276 | YKL024C | 35°C, slow at 22°C - 30°C | <i>ura6-4</i> | NO |
| 1277 | YKL024C | 35°C, slow at 22°C - 30°C | <i>ura6-5</i> | NO |
| 1278 | YKL024C | 35°C, slow at 22°C - 30°C | <i>ura6-5</i> | NO |
| 1279 | YKL024C | 35°C | <i>ura6-6</i> | NO |
| 1280 | YKL024C | 35°C | <i>ura6-6</i> | NO |
| 1281 | YDL097C | 37°C | <i>rpn6-1</i> | NO |
| 1282 | YDL097C | 37°C | <i>rpn6-1</i> | NO |
| 1283 | YDL147W | 35°C | <i>rpn5-1</i> | NO |
| 1284 | YDL147W | 35°C | <i>rpn5-1</i> | NO |
| 1285 | YPR108W | 35°C | <i>rpn7-3</i> | NO |
| 1286 | YPR108W | 35°C | <i>rpn7-3</i> | NO |
| 1287 | YHR036W | 37°C | <i>bri1-2221</i> | NO |
| 1288 | YHR036W | 37°C | <i>bri1-2221</i> | NO |
| 1289 | YHR036W | 37°C | <i>bri1-3231</i> | NO |
| 1290 | YHR036W | 37°C | <i>bri1-3231</i> | NO |
| 1291 | YHR036W | 37°C | <i>bri1-C371R</i> | NO |
| 1292 | YHR036W | 37°C | <i>bri1-C371R</i> | NO |
| 1293 | YHR036W | 37°C | <i>bri1-C371S</i> | NO |
| 1294 | YHR036W | 37°C | <i>bri1-C371S</i> | NO |
| 1295 | YHR036W | 37°C | <i>bri1-K405I</i> | NO |
| 1296 | YHR036W | 37°C | <i>bri1-K405I</i> | NO |
| 1297 | YLR007W | 35°C | <i>nse1-16</i> | NO |
| 1298 | YLR007W | 35°C | <i>nse1-16</i> | NO |
| 1299 | YKL024C | 35°C | <i>ura6-6</i> | NO |
| 1300 | YKL024C | 35°C | <i>ura6-6</i> | NO |
| 1301 | YDL097C | 37°C | <i>rpn6-1</i> | NO |
| 1302 | YDL097C | 37°C | <i>rpn6-1</i> | NO |
| 1303 | YDL147W | 35°C | <i>rpn5-1</i> | NO |
| 1304 | YDL147W | 35°C | <i>rpn5-1</i> | NO |
| 1305 | YPR108W | 35°C | <i>rpn7-3</i> | NO |
| 1306 | YPR108W | 35°C | <i>rpn7-3</i> | NO |
| 1307 | YHR036W | 37°C | <i>bri1-2221</i> | NO |
| 1308 | YHR036W | 37°C | <i>bri1-2221</i> | NO |
| 1309 | YHR036W | 37°C | <i>bri1-3231</i> | NO |
| 1310 | YHR036W | 37°C | <i>bri1-3231</i> | NO |
| 1311 | YHR036W | 37°C | <i>bri1-C371R</i> | NO |
| 1312 | YHR036W | 37°C | <i>bri1-C371R</i> | NO |
| 1313 | YHR036W | 37°C | <i>bri1-C371S</i> | NO |
| 1314 | YHR036W | 37°C | <i>bri1-C371S</i> | NO |
| 1315 | YHR036W | 37°C | <i>bri1-K405I</i> | NO |
| 1316 | YHR036W | 37°C | <i>bri1-K405I</i> | NO |
| 1317 | YLR007W | 35°C | <i>nse1-16</i> | NO |
| 1318 | YLR007W | 35°C | <i>nse1-16</i> | NO |
| 1319 | YKL021C | 35°C | <i>mak11-2</i> | NO |
| 1320 | YKL021C | 35°C | <i>mak11-2</i> | NO |

Table S2 ts mutants, Page 28

| | | | | |
|------|---------|---------------|--------------------|-----|
| 1321 | YLR117C | 35°C | <i>clf1-1</i> | NO |
| 1322 | YLR117C | 35°C | <i>clf1-1</i> | NO |
| 1323 | YFL017C | 37°C - 38.5°C | <i>gna1-ts</i> | NO |
| 1324 | YFL017C | 37°C - 38.5°C | <i>gna1-ts</i> | NO |
| 1325 | YMR229C | 35°C | <i>rrp5-delta6</i> | NO |
| 1326 | YMR229C | 35°C | <i>rrp5-delta6</i> | NO |
| 1327 | YKL021C | 35°C | <i>mak11-2</i> | NO |
| 1328 | YKL021C | 35°C | <i>mak11-2</i> | NO |
| 1329 | YLR117C | 35°C | <i>clf1-1</i> | NO |
| 1330 | YLR117C | 35°C | <i>clf1-1</i> | NO |
| 1331 | YFL017C | 37°C - 38.5°C | <i>gna1-ts</i> | NO |
| 1332 | YFL017C | 37°C - 38.5°C | <i>gna1-ts</i> | NO |
| 1333 | YMR229C | 35°C | <i>rrp5-delta6</i> | NO |
| 1334 | YMR229C | 35°C | <i>rrp5-delta6</i> | YES |

Table S3

Asymmetry index Ace2-YFP

| | <i>mtw1-1 35°C telophase symmetric cells</i> | <i>spt16-1 37°C telophase symmetric cells</i> |
|---------------------------|--|---|
| average | 0.48 | 0.14 |
| standard deviation | 0.28 | 0.10 |
| count | 13 | 67 |
| | | |
| Data | | Data |
| 0.22 | | 0.20 |
| 0.78 | | 0.18 |
| 0.71 | | 0.07 |
| 0.52 | | 0.25 |
| 0.52 | | 0.14 |
| 0.52 | | 0.04 |
| 0.67 | | 0.18 |
| 0.76 | | 0.36 |
| 0.06 | | 0.02 |
| 0.13 | | 0.06 |
| 0.27 | | 0.23 |
| 0.07 | | 0.07 |
| 0.19 | | 0.15 |
| 0.13 | | 0.07 |
| 0.01 | | 0.19 |
| 0.27 | | 0.01 |
| 0.10 | | 0.21 |
| 0.01 | | 0.10 |
| 0.22 | | 0.09 |
| 0.29 | | 0.29 |
| 0.12 | | 0.07 |
| 0.06 | | 0.21 |
| 0.13 | | 0.19 |
| 0.07 | | 0.09 |
| 0.27 | | 0.11 |
| 0.29 | | 0.06 |
| 0.19 | | 0.20 |
| 0.25 | | 0.14 |
| 0.13 | | 0.03 |
| 0.07 | | 0.20 |
| 0.17 | | 0.00 |
| 0.10 | | 0.35 |
| 0.38 | | 0.05 |
| 0.41 | | 0.35 |
| 0.06 | | 0.21 |
| 0.04 | | 0.02 |
| 0.15 | | 0.18 |
| 0.29 | | 0.00 |
| 0.15 | | 0.02 |
| 0.29 | | 0.10 |