## Gene lists for Table 2, promoter motifs

pka1/tpk/git6	CAMP-dependent protein kinase catalytic subunit
SPBC56F2.06	hypothetical protein; sequence orphan
SPCC191.01	hypothetical protein; sequence orphan
SPAC11E3.14	conserved hypothetical protein; similar to S. cerevisiae YKR018C
SPCC1322.08	putative serine/threonine protein kinase
mpr1/spy1	stress response regulator phosphotransmitter; respone regulator
	phospotransferase; similar to S. cerevisiae YPD1
SPBP4H10.10	membrane protein of unknown function, possibly involved in respiration by
	similarity to YGR101W; rhomboid family
SPBC20F10.10	similarity to yeast Pho85p-associated PCL6 cyclin
SPCC417.05C	putative involvement in chitin biosynthesis; by similarity
tps1	alpha,alpha-trehalose-phosphate synthase
SPCC61.03	conserved hypothetical protein
SPAC607.08C	conserved hypothetical protein; similar to YFL034W
atf1/mts1/sss1/gad7.	transcription factor atf1; heterodimeric transcriptional activator; binds M26
	recombination hotspot; stimulated by the stress-activated Sty1p MAP kinase
SPAC1E11.03	serine/threonine protein kinase; yeast yak1 homolog
ntp1	neutral trehalase; subcellular localization of GFP fusion- Cytoplasm
SPAC4H3.03C	putative family 15 glycosyl hydrolase
SPAC31A2.12	hypothetical protein; similar to S. cerevisiae ROD; similar to S. pombe
	SPCC584.15C
ptc1	protein phosphatase 2c homolog 1
SPBC20F10.03	hypothetical protein; contains Pfam-B_11425; similarity to mouse and rat
	interferon-related developmental regulator 1- nerve growth factor; also
	conserved in C. elegans
isp6	sexual differentiation process protein; putative subtilase-type proteinase

## Genes that are require Sty1p, but not Atf1p, for stress induction:

## Genes repressed by Sty1p during stress:

SPBC32H8.02C	located in cell periphery and cytoplasm; sequence orphan
SPAC3H1.06C	MFS drug efflux transporter of unknown specificity
SPBC1683.03C	MFS transporter of unknown specificity
SPAC1142.05	possible copper transporter
SPAC17A2.12	helicase; putative DNA repair protein
SPCC1223.09	uricase
SPAC24H6.10C	putative phospho-2-dehydro-3-deoxyheptonate aldolase
SPAC6C3.02C	hypothetical protein; similar to S. cerevisiae YMR002W
SPCC285.05	purine transporter
SPCC1672.03C	putative guanine deaminase
SPAC22A12.06C	similar to S. pombe dihydrofolate reductase Dfr1p
SPAC750.05C	hypothetical protein; low similarity to S. cerevisiae YHL017W is probably
	spurious; highly similar to S. pombe SPAC1348.02; highly similar to
	S. pombe SPBPB2B2.19c; possibly S. pombe specific
SPAC5H10.10	putative NADPH dehydrogenase
SPAC1002.18	hypothetical protein, conserved in other yeasts (Gaillardin et al)
SPAC1399.01C	putative purine permease
SPAC11D3.02C	ELLA family protein; putative acetyl transferase
SPAC8C9.10C	hypothetical protein; sequence orphan
SPCC330.04C	unknown function, Protein with Pfam-B_13958
SPCC4B3.06C	hypothetical protein; similar to S. cerevisiae YLR011W
SPBC776.16	hypothetical protein; sequence orphan
SPBC359.03C	putative amino acid permease
arul	arginase
ipk1	Inositol 1,3,4,5,6-pentakisphosphate (IP5) kinase
ats1	putative N-acetyltransferase; closest S. cerevisiae homologs HPA2/ HPA3
	are histone acetyltransferases; S. pombe sequence more similar to bacterial
	acetyltransferases; human homolog SAT is a spermidine/spermine N
ght5	MFS glucose transporter.
ura4	orotidine 5'-phosphate decarboxylase; similar to S. cerevisiae URA3
SPCC18B5.02C	cinnamoyl-coa reductase pseudogene
SPAC1F8 06	
5111011 0.00	hypothetical serine-rich protein; similar to S. pombe SPAC8A4.02C and
	hypothetical serine-rich protein; similar to S. pombe SPAC8A4.02C and SPAC977.07C; putative cell surface protein; possibly S. pombe specific
SPBC1685.12C	hypothetical serine-rich protein; similar to S. pombe SPAC8A4.02C and SPAC977.07C; putative cell surface protein; possibly S. pombe specific very hypothetical protein
SPBC1685.12C SPAC458.06	hypothetical serine-rich protein; similar to S. pombe SPAC8A4.02C and SPAC977.07C; putative cell surface protein; possibly S. pombe specific very hypothetical protein conserved hypothetical protein
SPBC1685.12C           SPAC458.06           SPCC965.14C	hypothetical serine-rich protein; similar to S. pombe SPAC8A4.02C and SPAC977.07C; putative cell surface protein; possibly S. pombe specific very hypothetical protein conserved hypothetical protein putative Cytidine and deoxycytidylate deaminase zinc-binding protein
SPBC1685.12C           SPAC458.06           SPCC965.14C           SPAC212.06C	hypothetical serine-rich protein; similar to S. pombe SPAC8A4.02C and SPAC977.07C; putative cell surface protein; possibly S. pombe specific very hypothetical protein conserved hypothetical protein putative Cytidine and deoxycytidylate deaminase zinc-binding protein pseudogene; truncated C terminal of DNA helicase in rearranged telomeric
SPBC1685.12C           SPAC458.06           SPCC965.14C           SPAC212.06C	hypothetical serine-rich protein; similar to S. pombe SPAC8A4.02C and SPAC977.07C; putative cell surface protein; possibly S. pombe specific very hypothetical protein conserved hypothetical protein putative Cytidine and deoxycytidylate deaminase zinc-binding protein pseudogene; truncated C terminal of DNA helicase in rearranged telomeric region
SPBC1685.12C           SPAC458.06           SPCC965.14C           SPAC212.06C           SPBP8B7.10C	hypothetical serine-rich protein; similar to S. pombe SPAC8A4.02C and SPAC977.07C; putative cell surface protein; possibly S. pombe specific very hypothetical protein conserved hypothetical protein putative Cytidine and deoxycytidylate deaminase zinc-binding protein pseudogene; truncated C terminal of DNA helicase in rearranged telomeric region similar to S. cerevisiae YOR078W; may be involved in protein synthesis
SPBC1685.12C         SPAC458.06         SPCC965.14C         SPAC212.06C         SPBP8B7.10C         SPBPB2B2.19C	hypothetical serine-rich protein; similar to S. pombe SPAC8A4.02C and SPAC977.07C; putative cell surface protein; possibly S. pombe specific very hypothetical protein conserved hypothetical protein putative Cytidine and deoxycytidylate deaminase zinc-binding protein pseudogene; truncated C terminal of DNA helicase in rearranged telomeric region similar to S. cerevisiae YOR078W; may be involved in protein synthesis duplicated at telomere; almost identical to SPAC1348.02 and SPAC756.05;
SPBC1685.12C         SPAC458.06         SPCC965.14C         SPAC212.06C         SPBP8B7.10C         SPBPB2B2.19C	hypothetical serine-rich protein; similar to S. pombe SPAC8A4.02C and SPAC977.07C; putative cell surface protein; possibly S. pombe specific very hypothetical protein conserved hypothetical protein putative Cytidine and deoxycytidylate deaminase zinc-binding protein pseudogene; truncated C terminal of DNA helicase in rearranged telomeric region similar to S. cerevisiae YOR078W; may be involved in protein synthesis duplicated at telomere; almost identical to SPAC1348.02 and SPAC756.05; contains 5 predicted transmembrane helices; possibly S. pombe specific
SPBC1685.12C         SPAC458.06         SPCC965.14C         SPAC212.06C         SPBP8B7.10C         SPBPB2B2.19C         SPCC1827.06C	hypothetical serine-rich protein; similar to S. pombe SPAC8A4.02C and SPAC977.07C; putative cell surface protein; possibly S. pombe specific very hypothetical protein conserved hypothetical protein putative Cytidine and deoxycytidylate deaminase zinc-binding protein pseudogene; truncated C terminal of DNA helicase in rearranged telomeric region similar to S. cerevisiae YOR078W; may be involved in protein synthesis duplicated at telomere; almost identical to SPAC1348.02 and SPAC756.05; contains 5 predicted transmembrane helices; possibly S. pombe specific aspartate semialdehyde dehydrogenase
SPBC1685.12C         SPAC458.06         SPCC965.14C         SPAC212.06C         SPBP8B7.10C         SPBPB2B2.19C         SPCC1827.06C         SPBC3H7.05C	hypothetical serine-rich protein; similar to S. pombe SPAC8A4.02C and SPAC977.07C; putative cell surface protein; possibly S. pombe specific very hypothetical protein conserved hypothetical protein putative Cytidine and deoxycytidylate deaminase zinc-binding protein pseudogene; truncated C terminal of DNA helicase in rearranged telomeric region similar to S. cerevisiae YOR078W; may be involved in protein synthesis duplicated at telomere; almost identical to SPAC1348.02 and SPAC756.05; contains 5 predicted transmembrane helices; possibly S. pombe specific aspartate semialdehyde dehydrogenase hypothetical protein; sequence orphan; contains 7 predicted transmembrane
SPBC1685.12C         SPAC458.06         SPCC965.14C         SPAC212.06C         SPBP8B7.10C         SPBPB2B2.19C         SPCC1827.06C         SPBC3H7.05C	hypothetical serine-rich protein; similar to S. pombe SPAC8A4.02C and SPAC977.07C; putative cell surface protein; possibly S. pombe specific very hypothetical protein putative Cytidine and deoxycytidylate deaminase zinc-binding protein pseudogene; truncated C terminal of DNA helicase in rearranged telomeric region similar to S. cerevisiae YOR078W; may be involved in protein synthesis duplicated at telomere; almost identical to SPAC1348.02 and SPAC756.05; contains 5 predicted transmembrane helices; possibly S. pombe specific aspartate semialdehyde dehydrogenase hypothetical protein; sequence orphan; contains 7 predicted transmembrane helices contains predicted N-term signal sequence
SPRC1685.12C         SPAC458.06         SPCC965.14C         SPAC212.06C         SPBP8B7.10C         SPBPB2B2.19C         SPCC1827.06C         SPBC3H7.05C         gpd2	hypothetical serine-rich protein; similar to S. pombe SPAC8A4.02C and SPAC977.07C; putative cell surface protein; possibly S. pombe specific very hypothetical protein putative Cytidine and deoxycytidylate deaminase zinc-binding protein pseudogene; truncated C terminal of DNA helicase in rearranged telomeric region similar to S. cerevisiae YOR078W; may be involved in protein synthesis duplicated at telomere; almost identical to SPAC1348.02 and SPAC756.05; contains 5 predicted transmembrane helices; possibly S. pombe specific aspartate semialdehyde dehydrogenase hypothetical protein; sequence orphan; contains 7 predicted transmembrane helices contains predicted N-term signal sequence glycerol-3-phosphate dehydrogenase [nad+]
SPRC1685.12C         SPAC458.06         SPCC965.14C         SPAC212.06C         SPBP8B7.10C         SPBPB2B2.19C         SPCC1827.06C         SPBC3H7.05C         gpd2         liz1	hypothetical serine-rich protein; similar to S. pombe SPAC8A4.02C and SPAC977.07C; putative cell surface protein; possibly S. pombe specific very hypothetical protein conserved hypothetical protein putative Cytidine and deoxycytidylate deaminase zinc-binding protein pseudogene; truncated C terminal of DNA helicase in rearranged telomeric region similar to S. cerevisiae YOR078W; may be involved in protein synthesis duplicated at telomere; almost identical to SPAC1348.02 and SPAC756.05; contains 5 predicted transmembrane helices; possibly S. pombe specific aspartate semialdehyde dehydrogenase hypothetical protein; sequence orphan; contains 7 predicted transmembrane helices contains predicted N-term signal sequence glycerol-3-phosphate dehydrogenase [nad+] MFS transporter of unknown specificity
SPRC1685.12C         SPAC458.06         SPCC965.14C         SPAC212.06C         SPBP8B7.10C         SPBPB2B2.19C         SPCC1827.06C         SPBC3H7.05C         gpd2         liz1         SPAC1399.02	hypothetical serine-rich protein; similar to S. pombe SPAC8A4.02C and SPAC977.07C; putative cell surface protein; possibly S. pombe specific very hypothetical protein conserved hypothetical protein putative Cytidine and deoxycytidylate deaminase zinc-binding protein pseudogene; truncated C terminal of DNA helicase in rearranged telomeric region similar to S. cerevisiae YOR078W; may be involved in protein synthesis duplicated at telomere; almost identical to SPAC1348.02 and SPAC756.05; contains 5 predicted transmembrane helices; possibly S. pombe specific aspartate semialdehyde dehydrogenase hypothetical protein; sequence orphan; contains 7 predicted transmembrane helices contains predicted N-term signal sequence glycerol-3-phosphate dehydrogenase [nad+] MFS transporter of unknown specificity

Genes repressed	l by Sty1	o, but not by	Atf1p,	during stress:
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SPAC6C3.02C	hypothetical protein; similar to S. cerevisiae YMR002W
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SPAC11D3.02C	ELLA family protein; putative acetyl transferase
SPAC8C9.10C	hypothetical protein; sequence orphan
SPCC330.04C	unknown function, Pfam-B 13958 domain
SPCC4B3.06C	hypothetical protein: similar to S. cerevisiae YLR011W
SPBC776.16	hypothetical protein: sequence orphan
aru1	arginase
ats1	putative N-acetyltransferase: GNAT superfamily: closest S_cerevisiae HPA2
	and HPA3 (histone acetyltransferases). S pombe sequence more similar to
	and HPA3 (histone acetyltransferases); S. pombe sequence more similar to bacterial acetyltransferases: human homolog SAT is spermidine/spermine N
oht5	and HPA3 (histone acetyltransferases); S. pombe sequence more similar to bacterial acetyltransferases; human homolog SAT is spermidine/spermine N MES glucose transporter
ght5 ura4	<ul> <li>and HPA3 (histone acetyltransferases); S. pombe sequence more similar to bacterial acetyltransferases; human homolog SAT is spermidine/spermine N</li> <li>MFS glucose transporter.</li> <li>orotidine 5'-phosphate decarboxylase; similar to S. cerevisiae UBA3</li> </ul>
ght5 ura4 SPCC18B5 02C	<ul> <li>and HPA3 (histone acetyltransferases); S. pombe sequence more similar to bacterial acetyltransferases; human homolog SAT is spermidine/spermine N</li> <li>MFS glucose transporter.</li> <li>orotidine 5'-phosphate decarboxylase; similar to S. cerevisiae URA3</li> <li>cinnamoyl-coa reductase pseudogene</li> </ul>
ght5 ura4 SPCC18B5.02C SPAC1E8.06	<ul> <li>and HPA3 (histone acetyltransferases); S. pombe sequence more similar to bacterial acetyltransferases; human homolog SAT is spermidine/spermine N</li> <li>MFS glucose transporter.</li> <li>orotidine 5'-phosphate decarboxylase; similar to S. cerevisiae URA3</li> <li>cinnamoyl-coa reductase pseudogene</li> <li>hypothetical serine-rich protein: similar to S. pombe SPAC8A4.02C and</li> </ul>
ght5 ura4 SPCC18B5.02C SPAC1F8.06	<ul> <li>and HPA3 (histone acetyltransferases); S. pombe sequence more similar to bacterial acetyltransferases; human homolog SAT is spermidine/spermine N</li> <li>MFS glucose transporter.</li> <li>orotidine 5'-phosphate decarboxylase; similar to S. cerevisiae URA3</li> <li>cinnamoyl-coa reductase pseudogene</li> <li>hypothetical serine-rich protein; similar to S. pombe SPAC8A4.02C and SPAC977.07C; putative cell surface protein; possibly S. pombe specific;</li> </ul>
ght5 ura4 SPCC18B5.02C SPAC1F8.06	<ul> <li>and HPA3 (histone acetyltransferases); S. pombe sequence more similar to bacterial acetyltransferases; human homolog SAT is spermidine/spermine N</li> <li>MFS glucose transporter.</li> <li>orotidine 5'-phosphate decarboxylase; similar to S. cerevisiae URA3</li> <li>cinnamoyl-coa reductase pseudogene</li> <li>hypothetical serine-rich protein; similar to S. pombe SPAC8A4.02C and SPAC977.07C; putative cell surface protein; possibly S. pombe specific;</li> <li>Predicted N-terminal signal sequence</li> </ul>
ght5 ura4 SPCC18B5.02C SPAC1F8.06	<ul> <li>and HPA3 (histone acetyltransferases); S. pombe sequence more similar to bacterial acetyltransferases; human homolog SAT is spermidine/spermine N</li> <li>MFS glucose transporter.</li> <li>orotidine 5'-phosphate decarboxylase; similar to S. cerevisiae URA3</li> <li>cinnamoyl-coa reductase pseudogene</li> <li>hypothetical serine-rich protein; similar to S. pombe SPAC8A4.02C and SPAC977.07C; putative cell surface protein; possibly S. pombe specific; Predicted N-terminal signal sequence</li> <li>verv hypothetical protein</li> </ul>
ght5 ura4 SPCC18B5.02C SPAC1F8.06 SPBC1685.12C SPAC458.06	<ul> <li>and HPA3 (histone acetyltransferases); S. pombe sequence more similar to bacterial acetyltransferases; human homolog SAT is spermidine/spermine N MFS glucose transporter.</li> <li>orotidine 5'-phosphate decarboxylase; similar to S. cerevisiae URA3</li> <li>cinnamoyl-coa reductase pseudogene</li> <li>hypothetical serine-rich protein; similar to S. pombe SPAC8A4.02C and SPAC977.07C; putative cell surface protein; possibly S. pombe specific; Predicted N-terminal signal sequence</li> <li>very hypothetical protein</li> <li>aonserved hypothetical protein</li> </ul>
ght5 ura4 SPCC18B5.02C SPAC1F8.06 SPBC1685.12C SPAC458.06 SPCC065_14C	<ul> <li>and HPA3 (histone acetyltransferases); S. pombe sequence more similar to bacterial acetyltransferases; human homolog SAT is spermidine/spermine N MFS glucose transporter.</li> <li>orotidine 5'-phosphate decarboxylase; similar to S. cerevisiae URA3</li> <li>cinnamoyl-coa reductase pseudogene</li> <li>hypothetical serine-rich protein; similar to S. pombe SPAC8A4.02C and SPAC977.07C; putative cell surface protein; possibly S. pombe specific; Predicted N-terminal signal sequence</li> <li>very hypothetical protein</li> <li>conserved hypothetical protein</li> <li>putative autiding and doouvertidulate doominage ging binding protein</li> </ul>
ght5 ura4 SPCC18B5.02C SPAC1F8.06 SPBC1685.12C SPAC458.06 SPCC965.14C	<ul> <li>and HPA3 (histone acetyltransferases); S. pombe sequence more similar to bacterial acetyltransferases; human homolog SAT is spermidine/spermine N</li> <li>MFS glucose transporter.</li> <li>orotidine 5'-phosphate decarboxylase; similar to S. cerevisiae URA3</li> <li>cinnamoyl-coa reductase pseudogene</li> <li>hypothetical serine-rich protein; similar to S. pombe SPAC8A4.02C and SPAC977.07C; putative cell surface protein; possibly S. pombe specific; Predicted N-terminal signal sequence</li> <li>very hypothetical protein</li> <li>conserved hypothetical protein</li> <li>putative cytidine and deoxycytidylate deaminase zinc-binding protein</li> </ul>
ght5 ura4 SPCC18B5.02C SPAC1F8.06 SPBC1685.12C SPAC458.06 SPCC965.14C SPAC212.06C	<ul> <li>and HPA3 (histone acetyltransferases); S. pombe sequence more similar to bacterial acetyltransferases; human homolog SAT is spermidine/spermine N</li> <li>MFS glucose transporter.</li> <li>orotidine 5'-phosphate decarboxylase; similar to S. cerevisiae URA3</li> <li>cinnamoyl-coa reductase pseudogene</li> <li>hypothetical serine-rich protein; similar to S. pombe SPAC8A4.02C and SPAC977.07C; putative cell surface protein; possibly S. pombe specific; Predicted N-terminal signal sequence</li> <li>very hypothetical protein</li> <li>conserved hypothetical protein</li> <li>putative cytidine and deoxycytidylate deaminase zinc-binding protein</li> <li>pseudogene; truncated C terminal of DNA helicase in rearranged telomeric</li> </ul>
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ght5 ura4 SPCC18B5.02C SPAC1F8.06 SPBC1685.12C SPAC458.06 SPCC965.14C SPAC212.06C SPBP8B7.10C	<ul> <li>and HPA3 (histone acetyltransferases); S. pombe sequence more similar to bacterial acetyltransferases; human homolog SAT is spermidine/spermine N MFS glucose transporter.</li> <li>orotidine 5'-phosphate decarboxylase; similar to S. cerevisiae URA3</li> <li>cinnamoyl-coa reductase pseudogene</li> <li>hypothetical serine-rich protein; similar to S. pombe SPAC8A4.02C and SPAC977.07C; putative cell surface protein; possibly S. pombe specific; Predicted N-terminal signal sequence</li> <li>very hypothetical protein</li> <li>conserved hypothetical protein</li> <li>putative cytidine and deoxycytidylate deaminase zinc-binding protein</li> <li>pseudogene; truncated C terminal of DNA helicase in rearranged telomeric region</li> <li>hypothetical protein; similar to S. cerevisiae YOR078W; may be involved in</li> </ul>
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ght5 ura4 SPCC18B5.02C SPAC1F8.06 SPBC1685.12C SPAC458.06 SPCC965.14C SPAC212.06C SPBP8B7.10C SPBP8B7.10C	<ul> <li>and HPA3 (histone acetyltransferases); S. pombe sequence more similar to bacterial acetyltransferases; human homolog SAT is spermidine/spermine N MFS glucose transporter.</li> <li>orotidine 5'-phosphate decarboxylase; similar to S. cerevisiae URA3</li> <li>cinnamoyl-coa reductase pseudogene</li> <li>hypothetical serine-rich protein; similar to S. pombe SPAC8A4.02C and SPAC977.07C; putative cell surface protein; possibly S. pombe specific;</li> <li>Predicted N-terminal signal sequence</li> <li>very hypothetical protein</li> <li>conserved hypothetical protein</li> <li>putative cytidine and deoxycytidylate deaminase zinc-binding protein</li> <li>pseudogene; truncated C terminal of DNA helicase in rearranged telomeric region</li> <li>hypothetical protein; similar to S. cerevisiae YOR078W; may be involved in protein synthesis by similarity</li> <li>hypothetical protein; duplicated at telomere; almost identical to SPAC1348.02 and SPAC756.05; contains 5 predicted transmembrane helices; possibly S. pombe specific</li> </ul>
ght5 ura4 SPCC18B5.02C SPAC1F8.06 SPBC1685.12C SPAC458.06 SPCC965.14C SPAC212.06C SPBP8B7.10C SPBP8B7.10C SPBPB2B2.19C	<ul> <li>and HPA3 (histone acetyltransferases); S. pombe sequence more similar to bacterial acetyltransferases; human homolog SAT is spermidine/spermine N MFS glucose transporter.</li> <li>orotidine 5'-phosphate decarboxylase; similar to S. cerevisiae URA3</li> <li>cinnamoyl-coa reductase pseudogene</li> <li>hypothetical serine-rich protein; similar to S. pombe SPAC8A4.02C and SPAC977.07C; putative cell surface protein; possibly S. pombe specific; Predicted N-terminal signal sequence</li> <li>very hypothetical protein</li> <li>conserved hypothetical protein</li> <li>putative cytidine and deoxycytidylate deaminase zinc-binding protein</li> <li>pseudogene; truncated C terminal of DNA helicase in rearranged telomeric region</li> <li>hypothetical protein; similar to S. cerevisiae YOR078W; may be involved in protein synthesis by similarity</li> <li>hypothetical protein; duplicated at telomere; almost identical to SPAC1348.02 and SPAC756.05; contains 5 predicted transmembrane helices; possibly S. pombe specific</li> </ul>
ght5 ura4 SPCC18B5.02C SPAC1F8.06 SPBC1685.12C SPAC458.06 SPCC965.14C SPAC212.06C SPBP8B7.10C SPBP8B7.10C SPBPB2B2.19C SPCC1827.06C gpd2	<ul> <li>and HPA3 (histone acetyltransferases); S. pombe sequence more similar to bacterial acetyltransferases; human homolog SAT is spermidine/spermine N MFS glucose transporter.</li> <li>orotidine 5'-phosphate decarboxylase; similar to S. cerevisiae URA3</li> <li>cinnamoyl-coa reductase pseudogene</li> <li>hypothetical serine-rich protein; similar to S. pombe SPAC8A4.02C and SPAC977.07C; putative cell surface protein; possibly S. pombe specific; Predicted N-terminal signal sequence</li> <li>very hypothetical protein</li> <li>conserved hypothetical protein</li> <li>putative cytidine and deoxycytidylate deaminase zinc-binding protein</li> <li>pseudogene; truncated C terminal of DNA helicase in rearranged telomeric region</li> <li>hypothetical protein; similar to S. cerevisiae YOR078W; may be involved in protein synthesis by similarity</li> <li>hypothetical protein; duplicated at telomere; almost identical to SPAC1348.02 and SPAC756.05; contains 5 predicted transmembrane helices; possibly S. pombe specific</li> <li>aspartate semialdehyde dehydrogenase</li> <li>glycerol-3-phosphate dehydrogenase [nad+]</li> </ul>
ght5 ura4 SPCC18B5.02C SPAC1F8.06 SPBC1685.12C SPAC458.06 SPCC965.14C SPAC212.06C SPBP8B7.10C SPBP8B7.10C SPBPB2B2.19C SPCC1827.06C gpd2 liz1	<ul> <li>and HPA3 (histone acetyltransferases); S. pombe sequence more similar to bacterial acetyltransferases; human homolog SAT is spermidine/spermine N MFS glucose transporter.</li> <li>orotidine 5'-phosphate decarboxylase; similar to S. cerevisiae URA3</li> <li>cinnamoyl-coa reductase pseudogene</li> <li>hypothetical serine-rich protein; similar to S. pombe SPAC8A4.02C and SPAC977.07C; putative cell surface protein; possibly S. pombe specific; Predicted N-terminal signal sequence</li> <li>very hypothetical protein</li> <li>conserved hypothetical protein</li> <li>putative cytidine and deoxycytidylate deaminase zinc-binding protein</li> <li>pseudogene; truncated C terminal of DNA helicase in rearranged telomeric region</li> <li>hypothetical protein; similar to S. cerevisiae YOR078W; may be involved in protein synthesis by similarity</li> <li>hypothetical protein; duplicated at telomere; almost identical to SPAC1348.02 and SPAC756.05; contains 5 predicted transmembrane helices; possibly S. pombe specific</li> <li>aspartate semialdehyde dehydrogenase</li> <li>glycerol-3-phosphate dehydrogenase [nad+]</li> <li>MFS transporter of unknown specificity</li> </ul>