

<b>Table 1: Strains used</b>		
<b>Strain Name</b>	<b>Genotype</b>	<b>Reference</b>
BY4741	<i>MATa, his3Δ1, leu2Δ0, ura3Δ0, met15Δ0</i>	Giaever <i>et al.</i> 2002
P79	<i>MATa, ade1-100, his4-519, leu2-3,112, ura3-52, GAL10::prot.A-rrp4</i>	Mitchell <i>et al.</i> 1997
P108	<i>MATa, his3Δ200, leu2Δ1, trp1, ura3-52, gal2, galΔ108, GAL10::rrp44</i>	Mitchell <i>et al.</i> 1997
P147	<i>MATa, his3Δ200, leu2Δ1, trp1, ura3-52, gal2, galΔ108, GAL10::rrp40</i>	Allmang <i>et al.</i> 1999
P170	<i>MATa, his3Δ200, leu2Δ1, trp1, ura3-52, gal2, galΔ108, GAL10::csl4</i>	Allmang <i>et al.</i> 1999
yAV378	<i>MATa, leu2Δ0, trp1Δ, ura3Δ0, dcp1-2::TRP1, ski4-1</i>	This study
yAV856	<i>MATa, his3Δ1, leu2Δ0, ura3Δ0, met15Δ0, ski7Δ::NEO</i>	This study
yAV1047	<i>MATa, his3Δ1, leu2Δ0, ura3Δ0, met15Δ0, csl4Δ::NEO [CSL4, URA3]</i>	This study
yAV1104	<i>MATa, his3Δ1, leu2Δ0, ura3Δ0, met15Δ0, rrp4Δ::NEO [RRP4, URA3]</i>	This study
yAV1107	<i>MATa, his3Δ1, leu2Δ0, ura3Δ0, rrp40Δ::NEO [RRP40, URA3]</i>	This study
yAV1115	<i>MATa, his3Δ1, leu2Δ0, ura3Δ0, rrp44Δ::NEO [RRP44, URA3]</i>	This study
yAV1117	<i>MATa, his3Δ1, leu2Δ0, ura3Δ0, met15Δ0, RRP43-myc::HIS3</i>	This study

Table 2: Plasmids used				
Name	Description	Marker	Insert	Parent plasmid
<b>RRP44 plasmids</b>				
pAV317	RRP44 promoter	URA3	oAV185 and oAV188 PCR	pRS415
pAV318	RRP44 3' flanking region	URA3	oAV189 and oAV186 PCR	pRS415
pAV344	RRP44 promoter, residues 1-1001, RRP44 3' flanking region	LEU2	oAV185 and oAV186 PCR	pRS415
pAV363	RRP44 promoter, residues 792-909, RRP44 3' flanking region	URA3	oAV354 and oAV452 PCR	pAV318
pAV370	RRP44 promoter, residues 1-909, RRP44 3' flanking region	LEU2	Digest pAV363	pAV344
pAV331	RRP44 promoter, residues 1-440, RRP44 3' flanking region	URA3	oAV185 and oAV190 PCR	pAV318
pAV343	RRP44 promoter, residues 1-440, RRP44 3' flanking region	LEU2	Digest pAV331	pRS415
pAV364	RRP44 promoter, residues 1-474, RRP44 3' flanking region	LEU2	oAV185 and oAV356 PCR	pAV343
pAV405	RRP44 promoter, residues 1-400, RRP44 3' flanking region	URA3	oAV185 and oAV472 PCR	pAV318
pAV423	RRP44 promoter, residues 1-400, RRP44 3' flanking region	LEU2	Digest pAV405	pRS415
pAV404	RRP44 promoter, residues 1-324, RRP44 3' flanking region	URA3	oAV185 and oAV470 PCR	pAV318
pAV422	RRP44 promoter, residues 1-324, RRP44 3' flanking region	LEU2	Digest pAV404	pRS415
pAV414	RRP44 promoter, residues 1-235, RRP44 3' flanking region	URA3	oAV185 and oAV468 PCR	pAV318
pAV454	RRP44 promoter, residues 1-235, RRP44 3' flanking region	LEU2	Digest pAV414	pRS415
pAV549	RRP44 promoter, residues 84-1001, RRP44 3' flanking region	LEU2	oAV541 and oAV186 PCR	pAV341
pAV328	RRP44 promoter, residues 360-1001, RRP44 3' flanking region	URA3	oAV187 and oAV186 PCR	pAV317
pAV341	RRP44 promoter, residues 360-1001, RRP44 3' flanking region	LEU2	Digest pAV328	pRS415
pAV473	RRP44 promoter, RRP44 3' flanking region	URA3	Digest pAV318	pAV317
pAV483	RRP44 promoter, residues 1-1001, RRP44 3' flanking region	-	oAV185 and oAV186 PCR	pBluescript SK-
pAV506	RRP44 promoter, residues 1-1001 (C47S, C52S, C55S), RRP44 3' flanking region	-	oAV482 and oAV569 mutagenesis	pAV483
pAV484	RRP44 promoter, residues 1-1001 (D91A), RRP44 3' flanking region	-	oAV570 and oAV571 mutagenesis	pAV483
pAV505	RRP44 promoter, residues 1-1001 (E120A), RRP44 3' flanking region	-	oAV484 and oAV578 mutagenesis	pAV483
pAV485	RRP44 promoter, residues 1-1001 (D171A), RRP44 3' flanking region	-	oAV572 and oAV573 mutagenesis	pAV483
pAV486	RRP44 promoter, residues 1-1001 (D198A), RRP44 3' flanking region	-	oAV574 and oAV575 mutagenesis	pAV483
pAV482	RRP44 promoter, residues 360-1001 (D551N), RRP44 3' flanking region	-	oAV565 and oAV566 mutagenesis	pAV516
pAV523	RRP44 promoter, residues 1-324 (D91A), RRP44 3' flanking region	URA3	oAV185 and oAV470 PCR	pAV318
pAV525	RRP44 promoter, residues 1-324 (D171A), RRP44 3' flanking region	URA3	oAV185 and oAV470 PCR	pAV318
pAV526	RRP44 promoter, residues 1-324 (D198A), RRP44 3' flanking region	URA3	oAV185 and oAV470 PCR	pAV318
pAV524	RRP44 promoter, residues 1-324 (E120A), RRP44 3' flanking region	URA3	oAV185 and oAV470 PCR	pAV318
pAV522	RRP44 promoter, residues 1-324 (C47S, C52S, C55S), RRP44 3' flanking region	URA3	oAV185 and oAV470 PCR	pAV318
pAV528	RRP44 promoter, residues 1-324 (D91A), RRP44 3' flanking region	LEU2	Digest pAV523	pRS415
pAV530	RRP44 promoter, residues 1-324 (D171A), RRP44 3' flanking region	LEU2	Digest pAV525	pRS415
pAV531	RRP44 promoter, residues 1-324 (D198A), RRP44 3' flanking region	LEU2	Digest pAV526	pRS415
pAV529	RRP44 promoter, residues 1-324 (E120A), RRP44 3' flanking region	LEU2	Digest pAV524	pRS415
pAV527	RRP44 promoter, residues 1-324 (C47S, C52S, C55S), RRP44 3' flanking region	LEU2	Digest pAV522	pRS415
pAV515	RRP44 promoter, residues 1-1001 (C47S, C52S, C55S), RRP44 3' flanking region	LEU2	Digest pAV506	pRS415
pAV502	RRP44 promoter, residues 1-1001 (D91A), RRP44 3' flanking region	LEU2	Digest pAV484	pRS415
pAV514	RRP44 promoter, residues 1-1001 (E120A), RRP44 3' flanking region	LEU2	Digest pAV505	pRS415
pAV503	RRP44 promoter, residues 1-1001 (D171A), RRP44 3' flanking region	LEU2	Digest pAV485	pRS415
pAV504	RRP44 promoter, residues 1-1001 (D198A), RRP44 3' flanking region	LEU2	Digest pAV486	pRS415
pAV501	RRP44 promoter, residues 1-1001 (D551N), RRP44 3' flanking region	LEU2	Digest pAV482	pAV344
pAV536	RRP44 promoter, residues 1-1001 (C47S, C52S, C55S, D551N), RRP44 3' flanking region	LEU2	Digest pAV515	pAV501
pAV537	RRP44 promoter, residues 1-1001 (D91A, D551N), RRP44 3' flanking region	LEU2	digest pAV502	pAV501
pAV538	RRP44 promoter, residues 1-1001 (E120A, D551N), RRP44 3' flanking region	LEU2	Digest pAV514	pAV501
pAV539	RRP44 promoter, residues 1-1001 (D171A, D551N), RRP44 3' flanking region	LEU2	Digest pAV503	pAV501
pAV540	RRP44 promoter, residues 1-1001 (D198A, D551N), RRP44 3' flanking region	LEU2	Digest pAV504	pAV501
pGEX-4T1	GST	-	-	-
pGEX-Rrp44	GST-RRP44 residues 1-1001	-	GST-44 F and GST-44 R PCR	pGEX4T1
pGEX-454	GST-RRP44 residues 1-235	-	GST-44 F and GST-44 R PCR	pGEX4T1
pAV566	GST-RRP44 residues 1-235 (D171A)	-	GST-44 F and oAV648 PCR	pGEX4T1
pGEX-370	GST-RRP44 residues 1-990	-	GST-44 F and GST-44 R PCR	pGEX4T1
<b>CSL4 plasmids</b>				
pAV302	CSL4 3' flanking region	LEU2	oAV366 and oAV367 PCR	pRS415
pAV305	CSL4 promoter, residues 1-292, CSL4 3' flanking region	LEU2	oAV365 and oAV370 PCR	pRS415
pAV304	CSL4 promoter, residues 1-251, CSL4 3' flanking region	LEU2	oAV365 and oAV371 PCR	pAV302
pAV303	CSL4 promoter, residues 1-126, CSL4 3' flanking region	LEU2	oAV365 and oAV372 PCR	pAV302
pAV337	CSL4 promoter, residues 1-88, CSL4 3' flanking region	LEU2	oAV365 and oAV423 PCR	pAV305
pAV338	CSL4 promoter, residues 1-66, CSL4 3' flanking region	LEU2	oAV365 and oAV422 PCR	pAV305
pAV334	CSL4 promoter, residues 65-292, CSL4 3' flanking region	LEU2	oAV404 and oAV370 PCR	pAV305
pAV335	CSL4 promoter, residues 111-292, CSL4 3' flanking region	LEU2	oAV405 and oAV370 PCR	pAV305
pAV336	CSL4 promoter, residues 247-292, CSL4 3' flanking region	LEU2	oAV421 and oAV370 PCR	pAV305
pAV545	CSL4 with Y268A, T270A and W272A mutations	LEU2	oAV619 and oAV620 mutagenesis	pAV305
pAV559	CSL4 promoter, residues 111-292 with Y268A, T270A and W272A mutations, CSL4 3' flanking region	LEU2	oAV619 and oAV620 mutagenesis	pAV335
<b>RRP4 plasmids</b>				
pAV464	RRP4 promoter	LEU2	oAV533 and oAV527 PCR	pRS415
pAV421	RRP4 3' flanking region	LEU2	oAV424 and oAV425 PCR	pRS415
pAV426	RRP4 promoter, residues 1-359, RRP4 3' flanking region	LEU2	oAV533 and oAV425 PCR	pRS415
pAV443	RRP4 promoter, residues 1-359, RRP4 3' flanking region	URA3	oAV533 and oAV425 PCR	pRS415
pAV442	RRP4 promoter, residues 1-190, RRP4 3' flanking region	LEU2	oAV426 and oAV501 PCR	pAV421
pAV441	RRP4 promoter, residues 1-105, RRP4 3' flanking region	LEU2	oAV426 and oAV500 PCR	pAV421
pAV471	RRP4 promoter, residues 105-359, RRP4 3' flanking region	LEU2	oAV528 and oAV425 PCR	pAV464
pAV472	RRP4 promoter, residues 190-359, RRP4 3' flanking region	LEU2	oAV529 and oAV425 PCR	pAV464
pAV541	RRP4 promoter, residues 1-105, RRP4 3' flanking region	HIS3	Digest pAV441	pRS413
pAV542	RRP4 promoter, residues 1-190, RRP4 3' flanking region	HIS3	Digest pAV442	pRS413
pAV477	RRP4 promoter, TAP	LEU2	oAV556 and oAV557 PCR	pAV464
pAV491	RRP4 promoter, residues 1-359 TAP, RRP4 3' flanking region	LEU2	oAV533 and oAV560 PCR	pAV476
pAV488	RRP4 promoter, residues 1-190 TAP, RRP4 3' flanking region	LEU2	oAV533 and oAV559 PCR	pAV476
pAV487	RRP4 promoter, residues 1-105 TAP, RRP4 3' flanking region	LEU2	oAV533 and oAV558 PCR	pAV476
pAV489	RRP4 promoter, residues 105-359 TAP, RRP4 3' flanking region	LEU2	oAV528 and oAV560 PCR	pAV477
pAV490	RRP4 promoter, residues 190-359 TAP, RRP4 3' flanking region	LEU2	oAV529 and oAV560 PCR	pAV477
<b>RRP40 plasmids</b>				
pAV465	RRP40 promoter	LEU2	oAV530 and oAV534 PCR	pRS415
pAV436	RRP40 3' flanking region	URA3	oAV430 and oAV431 PCR	pRS416
pAV461	RRP40 promoter, residues 1-240, RRP40 3' flanking region	LEU2	Digest pAV449	pRS415
pAV449	RRP40 promoter, residues 1-240, RRP40 3' flanking region	URA3	oAV530 and oAV431 PCR	pAV436
pAV460	RRP40 promoter, residues 1-140, RRP40 3' flanking region	LEU2	Digest pAV448	pRS415
pAV448	RRP40 promoter, residues 1-140, RRP40 3' flanking region	URA3	oAV432 and oAV507 PCR	pAV436
pAV459	RRP40 promoter, residues 1-65, RRP40 3' flanking region	LEU2	Digest pAV447	pRS415
pAV447	RRP40 promoter, residues 1-65, RRP40 3' flanking region	URA3	oAV432 and oAV506 PCR	pAV436
pAV466	RRP40 promoter, residues 65-240, RRP40 3' flanking region	LEU2	oAV531 and oAV431 PCR	pAV465
pAV469	RRP40 promoter, residues 65-240, RRP40 3' flanking region	URA3	Digest pAV466	pRS416
pAV467	RRP40 promoter, residues 140-240, RRP40 3' flanking region	LEU2	oAV532 and oAV431	pAV465
pAV470	RRP40 promoter, residues 140-240, RRP40 3' flanking region	URA3	Digest pAV467	pRS416
pAV478	RRP40 promoter, TAP	LEU2	oAV556 and oAV557	pAV465
pAV496	RRP40 promoter, residues 1-240 TAP, RRP40 3' flanking region	LEU2	oAV534 and oAV563 PCR	pAV476
pAV493	RRP40 promoter, residues 1-140 TAP, RRP40 3' flanking region	LEU2	oAV534 and oAV562 PCR	pAV476
pAV492	RRP40 promoter, residues 1-65 TAP, RRP40 3' flanking region	LEU2	oAV534 and oAV561 PCR	pAV476
pAV494	RRP40 promoter, residues 65-240 TAP, RRP40 3' flanking region	LEU2	oAV531 and oAV563 PCR	pAV478
pAV495	RRP40 promoter, residues 140-240 TAP, RRP40 3' flanking region	LEU2	oAV532 and oAV563 PCR	pAV478
<b>Other plasmids</b>				
pAV550	RRP4 promoter, residues 1-105, RRP40 residues 65-240, 3' flanking region	LEU2	oAV607 and oAV609 PCR	pAV487
pAV551	RRP4 promoter, residues 1-190, RRP40 residues 140-240, 3' flanking region	LEU2	oAV608 and oAV609 PCR	pAV488
pAV552	RRP40 promoter, residues 1-65, RRP4 residues 105-359, 3' flanking region	LEU2	oAV604 and oAV606 PCR	pAV492
pAV553	RRP40 promoter, residues 1-140, RRP4 residues 190-359, 3' flanking region	LEU2	oAV605 and oAV606 PCR	pAV493
pAV564	RRP4 promoter, residues 1-105, RRP40 residues 65-140, RRP4 residues 190-359, RRP4 3' flanking region	LEU2	Digest pAV550	pAV553
pAV565	RRP40 promoter, residues 1-65, RRP4 residues 105-190, RRP40 residues 140-240, RRP40 3' flanking region	LEU2	Digest pAV552	pAV551
pAV476	TAP	LEU2	oAV556 and oAV557 PCR	pRS415

**Table 3: Oligonucleotides used**

PCR oligos	Sequence
oAV185	5' ATATAGAGCTCAAAAACCTGCCTACGTACCATTTAAC
oAV186	5' ATATACTCGAGCACCACCAAAATGTCAATTTTTTTG
oAV187	5' ATATAACTAGTAAACAACATGTCCAATACCACCGTGATTC
oAV188	5' ATATAACTAGTTTTGGCCTGTATGATGCAAG
oAV189	5' ATATAACTAGTTAGATGGAAGATGCTTCAGTATC
oAV190	5' ATATAACTAGTTTAAACGCCCTTGTCTGATTCAGC
oAV354	5' ATATAACTAGTTTAAATCCTCATTACTTGCCCGAC
oAV356	5' ATATAACTAGTTTAAATTTGTACCGAGGTCTCTCACAAG
oAV365	5' CGCGATCTAGAGGAATFCGAATATGATAGACATCC
oAV366	5' GGTATCGATAAGCTTCGGTGGTATTGTAGG
oAV367	5' CGCGAGGATCCTATGTAACAGCTTATCTACAGTGC
oAV370	5' CGCGAGGATCCTTAAAAGGTTTGGCACATTTGCGCTT
oAV371	5' CGCGAGGATCCTTAGTCATTCCTTGCCAGTGGTCAA
oAV372	5' CGCGAGGATCCTTAAATAGCATATTTGTTGGTTTTACGAC
oAV404	5' CGATGGCATGCAGGTGTGAGGAAGAAAAAACTGATCAGG
oAV405	5' CGATGGCATGCCTTCCCTGGGACAGAAAAGGTCGTAAAACC
oav421	5' CGATGGCATGCACTGCAAGGAATGACCTTGGGGTCG
oAV422	5' CGAGGATCCTTAAACCTCACTGTCCCAACTAGTGTAGC
oAV423	5' CGAGGATCCTTATTCCTCTCTGTAGATTGATCAGTGCC
oAV424	5' CGCGAGGATCCCAAAAGCCGCTGTTTACACATTTATAAAC
oAV425	5' CGCGACTCGAGCTGCTACCTTTGCCAGTGGTAAACC
oAV426	5' CGCGATCTAGAGGAATACTGGCAGTGCATTTTTCATGC
oAV430	5' CGCGAGGATCCATGGTATAAATAAATATAAACAACATAGAT
oAV431	5' CGCGAAGCTTCGTATTAGATATGTGCACTATAGTTGTCCG
oAV432	5' CGCGATCTAGAGCGTTATACTGCGTTATACTGCG
oAV452	5' CGAGCGCCCGGGTGTGGATCCCGAAGATCC
oAV468	5' ATATAACTAGTTTAAATAGAGTCTCTGATGTCGCTGCA
oAV470	5' ATATAACTAGTTTATGATTGAGGTAGCAGTTCACGATAAC
oAV472	5' ATATAACTAGTTTACCAGGATCTTCTTTGTATATATACAA
oAV482	5' GATCGGACATCCCAAGTCTTTCTAGAGTAGTACCAAGAGTCCGCAAATTTGTCG
oAV484	5' TTGTCCCCAGATTGTTCTAGATGCAGTGAGAAACAAGTC
oAV500	5' CGCGAGGATCCTATTAGGCATAACGACCTTTCATGGAATTACCG
oAV501	5' CGCGAGGATCCTATTACTTTAGAGACCTTGTATGTAAGAGGC
oAV506	5' CGCGAGGATCCTAGTTTAAATGTATCTTACTAGAAATAGTCT
oAV507	5' CGCGAGGATCCTAGTTTAAAGTTGAGTCAAAACATTTCTATTTCCGGC
oAV527	5' CGCGATCTAGACGCTTGTGTACTACGCAAGATTAG
oAV528	5' CGCGATCTAGAAACAGTATGGCCCCAGAACTGGTGATCACGTCGTAGGG
oAV529	5' CGCGATCTAGAAACAGATATGAAGTACGGGAAGTTAAGAAACGGG
oAV530	5' CGCGATCTAGACTCTTGGTTAGTCAAAATGCTGG
oAV531	5' CGCGATCTAGACATACAAGATGATTCATCTGTAAACGATTTTGTAAATCG
oAV532	5' CGCGATCTAGACATACAAGATGACTACAGGACGCGATGCTGGTTTCCGG
oAV533	5' CGCGAGAGCTCGGAATACTGGCAGTGCATTTT
oAV534	5' CGCGAGAGCTCGCGTTATACTGCGTTATACTG
oAV541	5' ATATAACTAGTATGGGTAAGCATTACGTCG
oAV548	5' TACAGTATATCGAGTTACTACCAAAATGCAGACGACATCAGAGACTCTATTGGTCGACGGATCCCCGGGTT
oAV549	5' CACCACCAAAATGTCAATTTTTTTGCCATTTTCTAAATAGTTTTTCTTCACTTATCGATGAATTCGAGCTCGTT
oAV556	5' CGCCTGCAGGTCGACGGATCCCGGGTTAATTAATCCA
oAV557	5' CGCAAGCTTTGCCGGTAGAGGTGGTCAATAAGAGCGAC
oAV558	5' CGCCTGCAGCGCATAACGACCTTTTCAATGGAATTACCGATAGCA
oAV559	5' CGCCTGCAGCCTTTAGAGACCTTGTATGTAAGAGGCACT
oAV560	5' CGCCTGCAGCGTTGCCGTTACCTCTCATTTTTCGGCGGT
oAV561	5' CGCCTGCAGCAATGTATCTCTTACTAGAAATAGTCTATATA
oAV562	5' CGCCTGCAGCAGTTGAGTCAAAACATTTCTATTTTCGGCTTC
oAV563	5' CGCCTGCAGCCTCCTCTTGACCGTAAGTATTTCTTTAAA
oAV565	5' CTCCAGGATGTGTTGATATCAACGATGCCCTACATGCG
oAV566	5' CGCATGTAGGGCATCGTTGATATCAACACATCCTGGAG
oAV569	5' GCAGAAATTTGCGGACTTGTGTAAGTACTTCTAGAAAGACTTGGGATGTCCGATC
oAV570	5' GCATTACGTCGCTTTGGCCACCAACGTGGTGTAC
oAV571	5' GTAACACCACGTTGGTGGCCAAAGACGATTAATGC
oAV572	5' CGATTAATGACAGAAACGCGCGCTATAAGGAAAACCTGTCAATGG
oAV573	5' CCATGACAGGTTTTCTTATAGCGCGCGTTCGTCTTAATCG
oAV574	5' CGTTCTGTTTACCAACGCTCGTTTGAATAGAGAAGC
oAV575	5' GCTTCTTATTCAAACGAGCGTTGGTAACAAGAAGC
oAV578	5' GACTTGTTCCTCACTGCATCTAGAAACAATCTGGGGGACAA
oAV604	5' CGCGACTGCAGCTGCCCGAGAACTGGTGATCAGTCCGTAGG
oAV605	5' CGCGACTGCAGCTAAGTACGGGAAGTTAAGAAACGGGATG
oAV606	5' CGCGACTGCAGCTGCTACCTTTGCCAGTGGTAAACC
oAV607	5' CGCGACTGCAGCTATTCCATCTGTAACGATTTTGTAAATCGG
oAV608	5' CGCGACTGCAGCTACTACCGGACCGGATGCTGGTTTCGG
oAV609	5' CGCGCTCGAGCGTATTAGATATGTGCACTATAGTTGTCCG
oAV648	5' ATATACTCGAGTTAAATAGAGTCTCTGATGTCGCTGCA
GST-44 F	5' CGCAGAATTCATGTCAGTTCCCGCTATCG
GST-44 R	5' CCGCTCGAGTATCCTGATACTGAAGCATCTTCC
<b>Northern oligos</b>	
oRP141	5' AATTGATCTATCGAGGAATTC
oRP100	5' GTCTAGCCGCGAGGAAGG
oJA003	5' TGAGAAGGAAATGACGCT
oRP993	5' CGAACGACAAGCCTACTCG