

Supplementary Materials

Supplementary Tables

Table S1. Yeast strains used in this study

Strain	Genotype	Source	Figure
BY4741	<i>MATa; his3Δ1, leu2Δ0, met15Δ0, ura3Δ0</i>	Euroscarf	1, 2B, 3C, 4B, 5, 7E, 7F, 8
BY4742	<i>MATa; his3Δ1, leu2Δ0, lys2Δ0, ura3Δ0</i>	Euroscarf	1, 2B, 3C, 4B, 5, 7F, 8
RSY6232	[BY4741] <i>HSP150-MYC::HIS3MX6</i>	This study	1C, 1D
<i>pry3Δ a</i>	[BY4741] <i>pry3Δ::kanMX4</i>	Euroscarf	1E
<i>pry3Δ α</i>	[BY4742] <i>pry3Δ::kanMX4</i>	Euroscarf	1E
RSY5858	[BY4741] <i>pry3ΔS169-T242::URA3</i>	This study	
RSY5872	[BY4741] <i>PRY3-mCHERRY</i>	This study	6B, 7
RSY5886	[RSY5872] <i>URA3::ADH1^{prom}::PRY3-mCHERRY</i>	This study	6, 7
RSY6513	[RSY5886] <i>URA3::ADH1^{prom}::PRY3^{H113A}-mCHERRY</i>	This study	6B
RSY6516	[RSY5886] <i>URA3::ADH1^{prom}::PRY3^{C142S}-mCHERRY</i>	This study	6B
RSY6538	[RSY5886] <i>URA3::ADH1^{prom}::PRY3^{E96A}-mCHERRY</i>	This study	6B
RSY5885	[BY4742] <i>PRY3-mCHERRY</i>	This study	
RSY5901	[RSY5885] <i>URA3::ADH1^{prom}::PRY3-mCHERRY</i>	This study	
Fus1-GFP	[BY4741] <i>ycl027w-GFP::HIS3MX6</i>	Huh et al., 2003	7C
RSY6140	<i>MATa; his3Δ1, leu2Δ0, lys2Δ0, met15Δ0, ura3Δ0, ycl027w-GFP::HIS3MX6, URA3::ADH1^{prom}-PRY3-mCHERRY</i>	This study	7C
RSY6144	<i>MATa; his3Δ1, leu2Δ0, met15Δ0, ura3Δ0, ycl027w-GFP::HIS3MX6, PRY3-mCHERRY</i>	This study	7C
Mid2-GFP	[BY4741] <i>ylr332w -GFP::HIS3MX6</i>	Huh et al., 2003	7C
RSY6143	<i>MATa; his3Δ1, leu2Δ0, lys2Δ0, met15Δ0, ura3Δ0, ylr332w-GFP::HIS3MX6, URA3::ADH1^{prom}-PRY3-mCHERRY</i>	This study	7C
RSY6147	<i>MATa; his3Δ1, leu2Δ0, met15Δ0, ura3Δ0, ylr332w-GFP::HIS3MX6 PRY3-mCHERRY</i>	This study	7C

Table S2. Plasmids used in this study

Plasmids	Genotype	Source	Figure
pRS415	<i>CEN/ARS, ADH1^{prom}, LEU2</i>	Mumberg et al., 1995	1, 2B, 3C, 4B, 5B, 7F, 8
pRS426	<i>2μ, ADH1^{prom}, URA3</i>	Mumberg et al., 1995	1, 2B, 3C, 4B, 5B, 7F, 8B
p1314	[pRS426] <i>ADH1^{prom}-PRY1</i>	This study	1B
p1311	[pRS426] <i>ADH1^{prom}-PRY2</i>	This study	1B
p1123	[pRS426] <i>ADH1^{prom}-PRY3</i>	This study	1, 2B, 3C, 4B, 5B, 8B
p1907	[pRS426] <i>ADH1^{prom}-PRY1-HA</i>	This study	1C, 1D
p1908	[pRS426] <i>ADH1^{prom}-PRY2-HA</i>	This study	1C, 1D
p1314	[pRS426] <i>ADH1^{prom}-PRY3-HA</i>	This study	1C, 1D
	pFA6a-13Myc-His3MX6	(Longtine et al., 1998)	
p1206	[pRS426] <i>ADH1^{prom}-PRY3, LEU2</i>	This study	1E
p1124	[pRS426] <i>ADH1^{prom}-PRY3-ΔGPI</i>	This study	1F
p1126	[pRS426] <i>ADH1^{prom}-PRY3-CAP</i>	This study	1F
p1137	[pRS426] <i>ADH1^{prom}-PRY3-S/T</i>	This study	1F
p1136	[pRS426] <i>ADH1^{prom}-PRY3-ΔS/T</i>	This study	1F
p1138	[pRS426] <i>ADH1^{prom}-PRY3-ssXmaI</i>	This study	
p1334	[pRS426] <i>ADH1^{prom}-PRY3-ΔCAP</i>	This study	1F
p1254	[pRS426] <i>ADH1^{prom}-PRY3^{CAP-Prv1}</i>	This study	2B
p1361	[pRS426] <i>ADH1^{prom}-PRY3^{CAP-Prv2}</i>	This study	2B
pET22b	<i>PelB, C-terminal His-tag, AmpR</i>	Novagen	
PRY1 ^{CAP} -HA	[pET22-b] <i>PRY1-CAP</i>	Choudhary et al., 2014	3B, 3D
p1287	[pET22-b] <i>PRY3-CAP</i>	This study	3B, 3D
p1336	[pET22-b] <i>PRY3^{C142S}-CAP</i>	This study	3B
p1351	[pET22-b] <i>PRY3^{P105C, A155C}-CAP</i>	This study	3B
p1366	[pET22-b] <i>PRY3^{V117M}-CAP</i>	This study	3D
p1281	[pRS426] <i>ADH1^{prom}-PRY3^{C142S}</i>	This study	3C
p1306	[pRS426] <i>ADH1^{prom}-PRY3^{P105C, A155C}</i>	This study	3C
p1319	[pRS426] <i>ADH1^{prom}-PRY3^{V117M}</i>	This study	3C
p1516	[pRS426] <i>ADH1^{prom}-PRY3^{H71A}</i>	This study	4B
p1518	[pRS426] <i>ADH1^{prom}-PRY3^{S72A}</i>	This study	4B
p1517	[pRS426] <i>ADH1^{prom}-PRY3^{E78A}</i>	This study	4B
p1510	[pRS426] <i>ADH1^{prom}-PRY3^{E96A}</i>	This study	4B

p1511	[pRS426] <i>ADHI^{prom}-PRY3^{S103A}</i>	This study	4B
p1512	[pRS426] <i>ADHI^{prom}-PRY3^{H113A}</i>	This study	4B
p1202	[pRS426] <i>ADHI^{prom}-PRY3-AAXmal</i>	This study	
pGREG506	<i>CEN/ARS, GALI^{prom} URA3</i>	Jansen et al., 2005	
pBS34	mCherry	Hailey et al., 2002	
p1142	[pGREG506] <i>PRY3^{prom}-PRY3-PRY3^{3'-end}</i>	This study	
p1245	[pRS426] <i>ADHI^{prom}-PRY3-mCHERRY</i>	This study	5B, C
p1283	[pGREG506] <i>PRY3^{prom}-PRY3-mCHERRY-PRY3^{3'-end}</i>	This study	5B, C
p1302	[pRS426] <i>ADHI^{prom}-PRY3^{C142S}-mCHERRY</i>	This study	5B, C
p1810	[pRS426] <i>ADHI^{prom}-PRY3^{E96A}-mCHERRY</i>	This study	5B, C
p1811	[pRS426] <i>ADHI^{prom}-PRY3^{H113A}-mCHERRY</i>	This study	5B, C
p1309	[pGREG506] <i>PRY3^{prom}-PRY3^{C142S}-mCHERRY-PRY3^{3'-end}</i>	This study	5B, C
p1812	[pGREG506] <i>PRY3^{prom}-PRY3^{E96A}-mCHERRY-PRY3^{3'-end}</i>	This study	5B, C
p1813	[pGREG506] <i>PRY3^{prom}-PRY3^{H113A}-mCHERRY-PRY3^{3'-end}</i>	This study	5B, C
pRCC-K	<i>2μ, ROX3p-cas9-CYCI^{ter}, SNR52p-gRNA, kanMX</i>	Generoso et al., 2016	
p1918	[pRCC-K] target sequence (3'-CAAATCCCGGATTTTCTGAATCCAC-5')	This study	
p1919	[pRCC-K] target sequence (3'-GAGCGGTGGACGCCTGGTACG-5')	This study	
p1920	[pRCC-K] target sequence (3'-GTGTGCTCCTACAACCCTCC-5')	This study	
pKT174	[pFA6a] <i>link-yECFP, CaURA3</i>	Sheff and Thorn, 2004	
p1174	[pRS415] <i>ADHIp-yECFP</i>	This study	6
pKT211	[pFA6a] <i>link-yEmCitrine, SpHIS5</i>	Sheff et al., 2004	
p1921	[pRS415] <i>ADHIp- yEmCitrine</i>	This study	6
pRS425	<i>2μ, ADHI^{prom}, LEU2</i>	Mumberg et al., 1995	
p2040	[pRS425] <i>ADHI^{prom}-PRY3^{ss}-PRY3^{CAP}-GFP-CCW12</i>	This study	7E
p2041	[pRS425] <i>ADHI^{prom}-PRY3^{ss}-PRY3^{E96A, CAP}-GFP-CCW12</i>	This study	7E

pRH2776	[pRS413] <i>VAC8-vhhGFP4</i>	Powis et al., 2015	
p1260	[pRS426] <i>ADHI^{prom}-PRY3-VHH</i>	This study	
p1906	[pRS426] <i>ADHI^{prom}-PRY3^{E96A}-VHH</i>	This study	
pGREG503	<i>CEN/ARS, GALI^{prom}, HIS3</i>	Jansen et al., 2005	
KAR2ss-CFP-HDEL	[pRS315] <i>PGKI^{prom}-KAR2^{ss}-CFP-HDEL</i>	Szymanski et al., 2007	
pKT128	[pFA6a] <i>link-γEGFP, SpHIS5</i>	Sheff et al., 2004	
p1719	[pRS315] <i>PGKI^{prom}-KAR2^{ss}-GFP</i>	This study	8D, E, F
p1933	[pRS315] <i>PGKI^{prom}-PRY3^{ss}-PRY3^{CAP}-GFP</i>	This study	8F
p1934	[pRS315] <i>PGKI^{prom}-PRY3^{ss}-PRY3^{E96A, CAP}-GFP</i>	This study	8F

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