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Appendix Table S1 - Plasmids used in this study.

Plasmid	Alias	Source
pRS406-P _{GPD} -GFP-Pho8	pSS503	this study
pRS406-P _{GPD} -GFP(L221K)-Pho8	pSS611	this study
pRS416-P _{GAL}	pSS031	Mumberg et al., 1994
pRS406-P _{GAL} -GFP-Pho8	pSS590	this study
pRS415	pSS008	Sikorski and Hieter, 1989
pRS405-P _{GAL} -GFP-Pho8	pSS591	this study
Yiplac-ssDsRed-HDEL-nat	pKW1803	Madrid et al., 2006
pRS406-P _{GPD} -mCherry-Ubc6	pSS117	Benoit Kornmann
pRS404	pSS003	Sikorski and Hieter, 1989
pRS404-P _{GPD} -mCherry-Ubc6	pSS962	this study
Yip-P _{GAL} -Hmg2(K6R)(1-671)-GFP	pRH1767	Federovitch et al., 2008
pRS415-P _{ADH}	pSS022	Mumberg et al., 1995
pRS415-P _{ADH} -Hmg2(K6R)(1-671)-GFP	pSS327	this study
pRS406-P _{GAL} -Hmg2(K6R)(1-671)-GFP	pSS955	this study
pRS306-P _{GAL} -Hmg1(1-958)-GFP	pRH1110	Randy Hampton
pRS406-P _{GAL} -GFP-Cyb5	pSS1051	this study
Yep51-P450M4	pSS468	Zimmer et al., 1997
pRS406-P _{GAL} -P450M4-GFP	pSS1052	this study
pFA6a-Pho8 Δ 60-kanMX6	pSS077	Schuck et al., 2014
pRS416-Snf7-LAP-eGFP	pSS867	Adell et al., 2017
pFA6a-mNeonGreen-kanMX6	pSS445	this study
pRS416-P _{SNF7} -Snf7-LAP-mNeonGreen	pSS931	this study
pRS416-P _{VPS24} -Snf7-LAP-mNeonGreen	pSS951	this study
pRS416-P _{GPD} -mCherry-CPS	pSS932	David Teis
pRS413-P _{CYC}	pSS014	Mumberg et al., 1995
pRS413-P _{GPD} -mCherry-CPS	pSS960	this study
pRS405-P _{GAL} -GFP(Y66F)Pho8	pSS915	this study

Appendix Table S2 - Oligonucleotides used in this study.

Oligonucleotide	Sequence
p406rev GPD overhang	acgtattcttgaaatggcgagattgataatgataaactgagctccaattcgccctatag
CYCterm fw Pho8 overhang	caacattatgacgaataactaccatgagttgaccaactgattcatgtaattagttatgacgcttac
GPD-GFPPho8 fw	agtttatcattatcaatactcgcc
GFPPho8 rev	tcagttggcaactcatggtag
yeGFP L22 1K fw	gaccacatggtcttgaaagaattgttactgctgctggtattac
yeGFP L221K rev	agcagtaacaaattcttcaagaccatgtggtctgtc
p406 GFPPho8 fw	aaaactgtattataagtaaattcatgtatatac
p406 GFPPho8 rev	gagctccaattcgccctatag
GAL fw overhang	tgaattgaatacgaactcactatagggcgaattggagctcagtagcggattagaagccgc
GAL rev overhang	ttagacattccgggggggatccactagtcttagaatccggtttttctcctgacggtaaag
p406 no URA fw	aaaactgtattataagtaaattcatgtaac
p406 no URA rev	ttgaaaagctgtggtatgg
LEU2 prom fw overhang	gcagattgtactgagagtgaccataccacagctttcaaaactgtgggaatactcaggtatc
LEU2 cds rev overhang	gtgagtttagtatacatgcattactataatacagtttttaagcaaggatttcttaactcttcg
Xba-Hmg2	aatctagaatgtcacttccctacgtacg
GFP-Bam	aaggatcctacttatctaggtcgactgc
CYCterm fw	tcatgtaattagttatgacag
linker rev	cgatgaattctctgctggac
Snf7 term fw neon overhang	gtatggacgaattgtacaagtaaactgttctatgctg
LAP rev neon overhang	tctcaccttagaaaccatcgaacccgaggac
neon fw	atggtttctaaggggtgaagaagac
neon rev	ctgtacaattcgtccataccc
Snf7 VPS24pr overhang fw	caatacaaagttacttttgatgtggtcatcacttttggtg
backbone VPS24pr overhang rev	cttaactgcttttaaatcaatgagcagctccagct
VPS24pr fw	tgatttaaaaagcagtaaggagatg
VPS24pr rev	caaaagtaaaactttgtattgcca
GFP(Y66F) fw	gccaaccttagtcactacttctcttttggtgtcaatgtttgctgag
GFP(Y66F) rev	ctcgcaaaacattgaacaccaaagagaaagtagtgactaaggtggc
URA3pr fw overhang	tcaagaagggttaattgtggctgtggtttcaggggtccataagattgtactgagagtgaccatacc
URA3ter rev overhang	tttttcgtcattatagaaatcattacgaccgagattccctcctgatgcggtattttccttac
URA3 cds fw	atgtcgaagactacatataaggaac
URA3 cds rev	ttagtttctgctggccgc

Appendix Table S3 - Yeast strains used in this study.

Strain	Relevant genotype	Source
SSY001	<i>leu2-3,112 trp1-1 ura3-1 ade2-1 his3-11,15 MAT a</i>	Schuck et al., 2014
SSY122	<i>leu2-3,112 trp1-1 ura3-1 ADE2 his3-11,15 MAT a</i>	Szoradi et al., 2018
SSY139	<i>SEC63-GFP::HIS3 VPH1-mCherry::TRP1</i>	Schuck et al., 2009
SSY1094	<i>ADE2 pho8::nat-P_{GPD}-yeGFP-PHO8</i>	this study
SSY1363	<i>ADE2 leu2::P_{GAL1}-GFP-Pho8-LEU2 (4x)</i>	this study
SSY1364	<i>ADE2 leu2::P_{GAL1}-GFP-Pho8-LEU2 (4x) SEC63-mCherry::HIS3</i>	this study
SSY1654	<i>ADE2 leu2::P_{GAL1}-GFP-Pho8-LEU2 (4x) SEC61-mCherry::HIS3</i>	this study
SSY2569	<i>ADE2 leu2::P_{GAL1}-GFP-Pho8-LEU2 (4x) trp1::P_{TRP1}-dsRed-HDEL-nat</i>	this study
SSY2512	<i>ADE2 leu2::P_{GAL1}-GFP-Pho8-LEU2 (4x) trp1::P_{GPD}-mCherry-Ubc6-TRP1</i>	this study
SSY1425	<i>ura3::P_{GPD}-GFP-Pho8-URA3 (4x) SEC63-mCherry::TRP1</i>	this study
SSY2800	<i>ura3::P_{GPD}-GFP(L221K)-Pho8-URA3 (4x) SEC63-mCherry::TRP1</i>	this study
SSY2514	<i>ADE2 SEC63-mCherry::TRP1 ura3::P_{GAL1}-Hmg2(K6R)(1-671)-GFP-URA3 (3x)</i>	this study
SSY2520	<i>ADE2 ura3::P_{GAL1}-Hmg2(K6R)(1-671)-GFP-URA3 (3x)</i>	this study
SSY2846	<i>ADE2 SEC63-mCherry::TRP1 ura3::P_{GAL1}-Hmg1-GFP-URA3 (4x)</i>	this study
SSY2847	<i>ADE2 SEC63-mCherry::TRP1 ura3::P_{GAL1}-GFP-Cyb5-URA3 (4x)</i>	this study
SSY2848	<i>ADE2 SEC63-mCherry::TRP1 ura3::P_{GAL1}-P450M4-GFP-URA3 (4x)</i>	this study
SSY2570	<i>ADE2 leu2::P_{GAL1}-GFP-Pho8-LEU2 (4x) SEC63-mCherry::HIS3 atg1Δ::nat</i>	this study
SSY2571	<i>ADE2 leu2::P_{GAL1}-GFP-Pho8-LEU2 (4x) SEC63-mCherry::HIS3 atg6Δ::nat</i>	this study
SSY1455	<i>ADE2 leu2::P_{GAL1}-GFP-Pho8-LEU2 (4x) SEC63-mCherry::HIS3 atg7Δ::nat</i>	this study
SSY2572	<i>ADE2 leu2::P_{GAL1}-GFP-Pho8-LEU2 (4x) SEC63-mCherry::HIS3 atg8Δ::nat</i>	this study
SSY2573	<i>ADE2 leu2::P_{GAL1}-GFP-Pho8-LEU2 (4x) SEC63-mCherry::HIS3 atg14Δ::nat</i>	this study
SSY1460	<i>ADE2 leu2::P_{GAL1}-GFP-Pho8-LEU2 (4x) SEC63-mCherry::HIS3 atg16Δ::nat</i>	this study
SSY1456	<i>ADE2 leu2::P_{GAL1}-GFP-Pho8-LEU2 (4x) SEC63-mCherry::HIS3 atg39Δ::nat</i>	this study
SSY2690	<i>ADE2 leu2::P_{GAL1}-GFP-Pho8-LEU2 (4x) SEC63-mCherry::HIS3 atg40Δ::nat</i>	this study
Y7092	<i>can1Δ::STE2pr-Sp_his5 lyp1Δ his3Δ1 leu2Δ0 ura3Δ0 met15Δ0 MAT alpha</i>	Tong & Boone, 2007
SSY1646	<i>Y7092 Sec63-mCherry::nat</i>	this study
SSY1648	<i>Y7092 Sec63-mCherry::nat ura3-1</i>	this study
SSY1653	<i>Y7092 Sec63-mCherry::nat URA3::P_{GAL1}-GFP-Pho8 (4x)</i>	this study
SSY1998	<i>ADE2 leu2::P_{GAL1}-GFP-Pho8-LEU2 (4x) SEC63-mCherry::HIS3 Δnem1::nat</i>	this study
SSY1980	<i>ADE2 leu2::P_{GAL1}-GFP-Pho8-LEU2 (4x) SEC63-mCherry::HIS3 Δfab1::nat</i>	this study
SSY1981	<i>ADE2 leu2::P_{GAL1}-GFP-Pho8-LEU2 (4x) SEC63-mCherry::HIS3 Δvps23::nat</i>	this study
SSY2052	<i>ADE2 leu2::P_{GAL1}-GFP-Pho8-LEU2 (4x) SEC63-mCherry::HIS3 Δsnf7::nat</i>	this study
SSY2025	<i>ADE2 leu2::P_{GAL1}-GFP-Pho8-LEU2 (4x) SEC63-mCherry::HIS3 Δvps24::nat</i>	this study
SSY2016	<i>ADE2 leu2::P_{GAL1}-GFP-Pho8-LEU2 (4x) SEC63-mCherry::HIS3 Δvps2::nat</i>	this study
SSY1989	<i>ADE2 leu2::P_{GAL1}-GFP-Pho8-LEU2 (4x) SEC63-mCherry::HIS3 Δvps4::nat</i>	this study
SSY2881	<i>SEC63-mNeonGreen::TRP1</i>	this study
SSY2899	<i>SEC63-mNeonGreen::TRP1 YOP1-Pho8Δ60-mCherry::nat</i>	this study
SSY2884	<i>SEC63-mNeonGreen::TRP1 Δsey1::nat</i>	this study
SSY2883	<i>SEC63-mNeonGreen::TRP1 Δyop1::nat</i>	this study
SSY2885	<i>SEC63-mNeonGreen::TRP1 Δsey1::nat yop1::HIS</i>	this study
SSY2887	<i>SEC63-mNeonGreen::TRP1 Δsey1::nat YOP1-Pho8Δ60::kan</i>	this study
SSY611	<i>ADE2 pho8Δ::HIS3 pho13Δ::TRP1 YOP1-Pho8Δ60::kan</i>	Schuck et al., 2014
SSY657	<i>ADE2 pho8Δ::HIS3 pho13Δ::TRP1 YOP1-Pho8Δ60::kan atg7Δ::LEU2</i>	Schuck et al., 2014
SSY622	<i>ADE2 pho8Δ::HIS3 pho13Δ::TRP1 YOP1-Pho8Δ60::kan pep4Δ::nat</i>	Schuck et al., 2014
SSY2124	<i>ADE2 pho8Δ::HIS3 pho13Δ::TRP1 YOP1-Pho8Δ60::kan atg7Δ::LEU2 nem1Δ::nat</i>	this study
SSY2165	<i>ADE2 pho8Δ::HIS3 pho13Δ::TRP1 YOP1-Pho8Δ60::kan atg7Δ::LEU2 spo7Δ::nat</i>	this study
SSY2166	<i>ADE2 pho8Δ::HIS3 pho13Δ::TRP1 YOP1-Pho8Δ60::kan atg7Δ::LEU2 pah1Δ::nat</i>	this study
SSY2000	<i>ADE2 pho8Δ::HIS3 pho13Δ::TRP1 YOP1-Pho8Δ60::kan atg7Δ::LEU2 fab1Δ::nat</i>	this study
SSY2087	<i>ADE2 pho8Δ::HIS3 pho13Δ::TRP1 YOP1-Pho8Δ60::kan atg7Δ::LEU2 vac7Δ::nat</i>	this study
SSY2081	<i>ADE2 pho8Δ::HIS3 pho13Δ::TRP1 YOP1-Pho8Δ60::kan atg7Δ::LEU2 vac14Δ::nat</i>	this study
SSY1997	<i>ADE2 pho8Δ::HIS3 pho13Δ::TRP1 YOP1-Pho8Δ60::kan atg7Δ::LEU2 atg18Δ::nat</i>	this study
SSY2080	<i>ADE2 pho8Δ::HIS3 pho13Δ::TRP1 YOP1-Pho8Δ60::kan atg7Δ::LEU2 fig4Δ::nat</i>	this study
SSY2767	<i>ADE2 pho8Δ::HIS3 pho13Δ::TRP1 YOP1-Pho8Δ60::kan atg7Δ::LEU2 hse1Δ::hph</i>	this study

SSY2051	ADE2 pho8Δ::HIS3 pho13Δ::TRP1 YOP1-Pho8Δ60::kan atg7Δ::LEU2 bro1Δ::nat	this study
SSY2178	ADE2 pho8Δ::HIS3 pho13Δ::TRP1 YOP1-Pho8Δ60::kan atg7Δ::LEU2 vps27Δ::nat	this study
SSY1996	ADE2 pho8Δ::HIS3 pho13Δ::TRP1 YOP1-Pho8Δ60::kan atg7Δ::LEU2 vps23Δ::nat	this study
SSY2179	ADE2 pho8Δ::HIS3 pho13Δ::TRP1 YOP1-Pho8Δ60::kan atg7Δ::LEU2 vps28Δ::nat	this study
SSY2180	ADE2 pho8Δ::HIS3 pho13Δ::TRP1 YOP1-Pho8Δ60::kan atg7Δ::LEU2 vps37Δ::nat	this study
SSY2002	ADE2 pho8Δ::HIS3 pho13Δ::TRP1 YOP1-Pho8Δ60::kan atg7Δ::LEU2 mvb12Δ::nat	this study
SSY2061	ADE2 pho8Δ::HIS3 pho13Δ::TRP1 YOP1-Pho8Δ60::kan atg7Δ::LEU2 vps25Δ::nat	this study
SSY2062	ADE2 pho8Δ::HIS3 pho13Δ::TRP1 YOP1-Pho8Δ60::kan atg7Δ::LEU2 vps36Δ::nat	this study
SSY2181	ADE2 pho8Δ::HIS3 pho13Δ::TRP1 YOP1-Pho8Δ60::kan atg7Δ::LEU2 snf8Δ::nat	this study
SSY2056	ADE2 pho8Δ::HIS3 pho13Δ::TRP1 YOP1-Pho8Δ60::kan atg7Δ::LEU2 vps20Δ::nat	this study
SSY2054	ADE2 pho8Δ::HIS3 pho13Δ::TRP1 YOP1-Pho8Δ60::kan atg7Δ::LEU2 snf7Δ::nat	this study
SSY2045	ADE2 pho8Δ::HIS3 pho13Δ::TRP1 YOP1-Pho8Δ60::kan atg7Δ::LEU2 vps2Δ::nat	this study
SSY254	ADE2 pho8Δ::HIS3 pho13Δ::TRP1 YOP1-Pho8Δ60::kan atg7Δ::LEU2 vps24Δ::nat	this study
SSY2003	ADE2 pho8Δ::HIS3 pho13Δ::TRP1 YOP1-Pho8Δ60::kan atg7Δ::LEU2 vps4Δ::nat	this study
SSY2049	ADE2 pho8Δ::HIS3 pho13Δ::TRP1 YOP1-Pho8Δ60::kan atg7Δ::LEU2 chm7Δ::nat	this study
SSY604	pho13Δ::kan	this study
SSY606	pho13Δ::kan pho8Δ::HIS3	this study
SSY2203	pho13Δ::kan nem1Δ::nat	this study
SSY2204	pho13Δ::kan fab1Δ::nat	this study
SSY2501	pho13Δ::kan bro1Δ::nat	this study
SSY882	pho13Δ::kan vps23Δ::HIS3	this study
SSY2202	pho13Δ::kan snf7Δ::nat	this study
SSY883	pho13Δ::kan vps24Δ::HIS3	this study
SSY881	pho13Δ::kan vps4Δ::nat	this study
SSY243	SEC63-GFP::HIS3 VPH1-mCherry::TRP1 atg7Δ::kan	Schuck et al., 2014
SSY2892	SEC63-GFP::HIS3 VPH1-mCherry::TRP1 pep4Δ::TRP1 prb1Δ::LEU2	this study
SSY2888	SEC63-GFP::HIS3 VPH1-mCherry::TRP1 atg7Δ::kan nem1Δ::nat	this study
SSY2889	SEC63-GFP::HIS3 VPH1-mCherry::TRP1 atg7Δ::kan spo7Δ::nat	this study
SSY2890	SEC63-GFP::HIS3 VPH1-mCherry::TRP1 atg7Δ::kan snf7Δ::nat	this study
SSY2891	SEC63-GFP::HIS3 VPH1-mCherry::TRP1 atg7Δ::kan vps4Δ::nat	this study
SSY907	ADE2 pho13Δ::HIS3 pho8::kan-P _{GPD} -Pho8Δ60	this study
SSY909	ADE2 pho13Δ::HIS3 pho8::kan-P _{GPD} -Pho8Δ60 atg7Δ::nat	this study
SSY908	ADE2 pho13Δ::HIS3 pho8::kan-P _{GPD} -Pho8Δ60 pep4Δ::nat	this study
SSY2123	ADE2 pho13Δ::HIS3 pho8::kan-P _{GPD} -Pho8Δ60 nem1Δ::nat	this study
SSY2351	ADE2 pho13Δ::HIS3 pho8::kan-P _{GPD} -Pho8Δ60 spo7Δ::nat	this study
SSY2098	ADE2 pho13Δ::HIS3 pho8::kan-P _{GPD} -Pho8Δ60 vps23Δ::nat	this study
SSY2423	ADE2 pho13Δ::HIS3 pho8::kan-P _{GPD} -Pho8Δ60 snf7Δ::nat	this study
SSY2096	ADE2 pho13Δ::HIS3 pho8::kan-P _{GPD} -Pho8Δ60 vps4Δ::nat	this study
SSY2197	ADE2 pho8Δ::HIS3 pho13Δ::TRP1 YOP1-Pho8Δ60::kan nem1Δ::nat	this study
SSY2346	ADE2 pho8Δ::HIS3 pho13Δ::TRP1 YOP1-Pho8Δ60::kan spo7Δ::nat	this study
SSY2078	ADE2 pho8Δ::HIS3 pho13Δ::TRP1 YOP1-Pho8Δ60::kan vps23Δ::nat	this study
SSY2377	ADE2 pho8Δ::HIS3 pho13Δ::TRP1 YOP1-Pho8Δ60::kan snf7Δ::nat	this study
SSY2082	ADE2 pho8Δ::HIS3 pho13Δ::TRP1 YOP1-Pho8Δ60::kan vps4Δ::nat	this study
SSY1194	ADE2 pho8Δ::HIS3 pho13Δ::TRP1 YOP1-Pho8Δ60::kan atg39Δ::nat	this study
SSY1195	ADE2 pho8Δ::HIS3 pho13Δ::TRP1 YOP1-Pho8Δ60::kan atg40Δ::nat	this study
SSY2175	ADE2 pho8Δ::HIS3 pho13Δ::TRP1 YOP1-Pho8Δ60::kan atg39Δ::nat atg40Δ::hph	this study
SSY2425	ADE2 pho8Δ::HIS3 pho13Δ::TRP1 YOP1-Pho8Δ60::kan atg7Δ::LEU2 atg40Δ::nat	this study
SSY2850	ADE2 snf7Δ::nat	this study
SSY2857	ADE2 atg39Δ::kan atg40Δ::hph	this study
SSY2862	ADE2 atg39Δ::kan atg40Δ::hph snf7Δ::nat	this study
SSY2699	ADE2 leu2::P _{GAL1} -GFP-Pho8-LEU2 (4x) Δvps23::hph	this study
SSY2575	ADE2 leu2::P _{GAL1} -GFP-Pho8-LEU2 (4x) Δsnf7::nat	this study
SSY2574	ADE2 leu2::P _{GAL1} -GFP-Pho8-LEU2 (4x) Δvps4::nat	this study
SSY2874	ADE2 leu2::P _{GAL1} -GFP-Pho8-LEU2 (4x) ura3::P _{GPD} -mCherry-CPS-URA3	this study
SSY2875	ADE2 leu2::P _{GAL1} -GFP-Pho8-LEU2 (4x) Δsnf7::nat ura3::P _{GPD} -mCherry-CPS-URA3	this study
SSY2876	his3::P _{GPD} -mCherry-CPS-HIS3	this study
SSY2877	Δsnf7::nat his3::P _{GPD} -mCherry-CPS-HIS3	this study
SSY2878	ura3::P _{VPS24} -Snf7-neon-URA3 his3::P _{GPD} -mCherry-CPS-HIS3	this study

SSY2879	<i>Δsnf7::nat ura3::P_{VPS24}-Snf7-neon-URA3 his3::P_{GPD}-mCherry-CPS-HIS3</i>	this study
SSY2530	<i>ADE2 Δpho8::HIS3 Δpho13::TRP1 YOP1-Pho8Δ60::kan Δatg7::LEU2 ura3::P_{VPS24}-Snf7-mNeonGreen-URA3</i>	this study
SSY2531	<i>ADE2 Δpho8::HIS3 Δpho13::TRP1 YOP1-Pho8Δ60::kan Δatg7::LEU2 Δsnf7::nat ura3::P_{VPS24}-Snf7- mNeonGreen-URA3</i>	this study
SSY2430	<i>ADE2 SEC63-mCherry::TRP1 leu2::P_{GAL1}-gfp(Y66F)-Pho8-LEU2 (4x) his3::P_{VPS24}-Snf7-LAP-mNeonGreen-URA3</i>	this study
SSY2801	<i>ADE2 SEC63-mCherry::TRP1 leu2::P_{GAL1}-gfp(Y66F)-Pho8-LEU2 (4x) his3::P_{SNF7}-Snf7-LAP-mNeonGreen-URA3</i>	this study
SSY2705	<i>ADE2 leu2::P_{GAL1}-gfp(Y66F)-Pho8-LEU2 (4x) ura3::P_{VPS24}-Snf7-LAP-mNeonGreen-URA3 trp1::P_{GPD}-mCherry-Ubc6-TRP1</i>	this study