

**TABLE S1: Yeast Strains (page 1 of 4)**

Strain	Genotype	Source
A20239	<i>MATa/MATa ho::LYS2/ ho::LYS2 lys2/ lys2 leu2::hisG/ leu2::hisG his3::hisG/ his3::hisG trp1::hisG/ trp1::hisG ura3::pGPD1GAL4(848).ER:URA3/ ura3::pGPD1-GAL4(848).ER:URA3 GALNDT80:TRP1/ GAL-NDT80:TRP KanMX6:pCLB2-3HA-MOB1/KanMX6:pCLB2-3HA-MOB1</i>	Attner et al. 2012
A22416	<i>MATa/MATa ho::LYS2/ ho::LYS2 lys2/ lys2 leu2::hisG/ leu2::hisG his3::hisG/ his3::hisG trp1::hisG/ trp1::hisG ura3::pGPD1GAL4(848).ER:URA3/ ura3::pGPD1-GAL4(848).ER:URA3 GALNDT80:TRP1/ GAL-NDT80:TRP1 CDC15-9MYC:TRP1/CDC15-9MYC:TRP1</i>	Attner et al. 2012
HI50	<i>MATa/MATa ura3/ura3 leu2/leu2 trp1::hisG/trp1::hisG ARG4/arg4-Nspl his3ΔSK/ his3ΔSK hoΔ::LYS2/hoΔ::LYS2 lys2/lys2 RME1/rme1Δ::LEU2 mxKAN:prCLB2:HA:CDC15/mxKAN:prCLB2:HA:CDC15</i>	Pablo-Hernando et al. 2007
AN117-4B	<i>MATa his3 ura3 trp1::hisG leu2 arg4-Nspl lys2 hoΔ::LYS2 rme1::LEU2</i>	Neiman et al. 2000
YS429	<i>MATa/MATa hoΔ::LYS2/hoΔ::LYS2 lys2/lys2 ura3/ura3 leu2/leu2 trp1::hisG/trp1::hisG his3/his3 arg4-Nsp1/ARG4 RME1/rme1Δ::LEU2 mxKAN:prCLB2:HA:DBF2/mxKAN:prCLB2:HA:DBF2 dbf20Δ::kanMX6/ dbf20Δ::kanMX6</i>	This study
LH177	<i>MATa/MATa ho::LYS2/ho::LYS2 lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA</i>	Huang et al. 2005
LH872	<i>MATa/MATa ho::LYS2/ho::LYS2 lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA sps1::LEU2<sup>C.g.</sup>/sps1::LEU2<sup>C.g.</sup></i>	Slubowski et al. 2014
LH875	<i>MATa/MATa ho::hisG/ho::hisG lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA SPS1-13x myc-TRP1/SPS1-13x myc-TRP1</i>	Slubowski et al. 2014
LH902	<i>MATa/MATa ho::LYS2/ho::LYS2 lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA HTB2:mCherry:TRP1<sup>C.g.</sup>/HTB2:mCherry:TRP1<sup>C.g.</sup></i>	Parodi et al. 2012
LH960	<i>MATa/MATa ho::hisG/ho::hisG lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA SPS1-ZZ-URA3<sup>K.I.</sup>/SPS1-ZZ-URA3<sup>K.I.</sup></i>	Slubowski et al. 2014
LH966	<i>MATa/MATa ho::hisG/ho::hisG lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA HTB2-mCherry-TRP1<sup>C.g.</sup>/HTB2-mCherry-TRP1<sup>C.g.</sup> sps1::LEU2<sup>C.g.</sup>/sps1::LEU2<sup>C.g.</sup></i>	Slubowski et al. 2014
LH976	<i>MATa/MATa ho::LYS2/ho::LYS2 lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA sps1::HIS3<sup>C.g.</sup>/sps1::HIS3<sup>C.g.</sup> HTB2:mCherry:TRP1<sup>C.g.</sup>/HTB2:mCherry:TRP1<sup>C.g.</sup></i>	Slubowski et al. 2014
LH986	<i>MATa/MATa ho::LYS2/ho::LYS2 lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA sfGFP:SPS1/sfGFP:SPS1 HTB2:mCherry:TRP1<sup>C.g.</sup>/HTB2:mCherry:TRP1<sup>C.g.</sup></i>	Slubowski et al. 2014
LH1010	<i>MATa/MATa ho::LYS2/ho::LYS2 lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA spo77::HIS3<sup>C.g.</sup>/ spo77::HIS3<sup>C.g.</sup> HTB2:mCherry:TRP1<sup>C.g.</sup>/HTB2:mCherry:TRP1<sup>C.g.</sup></i>	Paulissen et al. 2016
LH1014	<i>MATa/MATa ho::LYS2/ho::LYS2 lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA ama1::TRP1<sup>C.g.</sup>/ama1::TRP1<sup>C.g.</sup> HTB2:mCherry:TRP1<sup>C.g.</sup>/HTB2:mCherry:TRP1<sup>C.g.</sup></i>	Paulissen et al. 2016
LH1066	<i>MATa/MATa ho::LYS2/ho::LYS2 lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA mxKAN:prCLB2:HA:CDC15/mxKAN:prCLB2:HA:CDC15 HTB2:mCherry:URA3<sup>K.I.</sup>/HTB2:mCherry:URA3<sup>K.I.</sup></i>	This study
LH1067	<i>MATa/MATa ho::LYS2/ho::LYS2 lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA mxKAN:prCLB2:HA:CDC15/mxKAN:prCLB2:HA:CDC15 sps1::LEU2<sup>C.g.</sup>/sps1::LEU2<sup>C.g.</sup> HTB2:mCherry:URA3<sup>K.I.</sup>/HTB2:mCherry:URA3<sup>K.I.</sup></i>	This study

TABLE S1, continued (page 2 of 4)

Strain	Genotype	Source
LH1068	<i>MATa/MATa ho::LYS2/ho::LYS2 lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA KanMX6:pCLB2-3HA-MOB1/KanMX6:pCLB2-3HA-MOB1 mxKAN:prCLB2:HA:DBF2/mxKAN:prCLB2:HA:DBF2 dbf20Δ::kanMX6/dbf20Δ::kanMX6 HTB2-mCherry-TRP1<sup>C.g.</sup>/HTB2-mCherry-TRP1<sup>C.g.</sup></i>	This study
LH1069	<i>MATa/MATa ho::LYS2/ho::LYS2 lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA mxKAN:prCLB2:HA:CDC15/mxKAN:prCLB2:HA:CDC15 SPS1:13myc:TRP1/SPS1:13myc:TRP1</i>	This study
LH1070	<i>MATa/MATa ho::LYS2/ho::LYS2 lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA CDC15:9myc:TRP1/CDC15:9myc:TRP1 HTB2:mCherry:TRP1<sup>C.g.</sup>/HTB2:mCherry:TRP1<sup>C.g.</sup></i>	This study
LH1071	<i>MATa/MATa ho::LYS2/ho::LYS2 lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA sfGFP:SPS1/sfGFP:SPS1 CDC15:9myc:TRP1/CDC15:9myc:TRP1 HTB2:mCherry:TRP1<sup>C.g.</sup>/HTB2:mCherry:TRP1<sup>C.g.</sup></i>	This study
LH1072	<i>MATa/MATa ho::LYS2/ho::LYS2 lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA mxKAN:prCLB2:HA:CDC15/mxKAN:prCLB2:HA:CDC15 HTB2:mCherry:URA3<sup>K.I.</sup>/HTB2:mCherry:URA3<sup>K.I.</sup></i>	This study
LH1075	<i>MATa/MATa ho::LYS2/ho::LYS2 lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA mxKAN:prCLB2:HA:CDC15/mxKAN:prCLB2:HA:CDC15 ama1::TRP1<sup>C.g.</sup>/ama1::TRP1<sup>C.g.</sup></i>	This study
LH1077	<i>MATa/MATa ho::LYS2/ho::LYS2 lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA HTB2:mCherry:TRP1<sup>C.g.</sup>/HTB2:mCherry:TRP1<sup>C.g.</sup> CDC14:GFP<sup>ENVY</sup>:HIS3<sup>S.p.</sup>/ +</i>	This study
LH1078	<i>MATa/MATa ho::LYS2/ho::LYS2 lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA HTB2:mCherry:TRP1<sup>C.g.</sup>/HTB2:mCherry:TRP1<sup>C.g.</sup> CDC14:GFP<sup>ENVY</sup>:HIS3<sup>S.p.</sup>/ + sps1::LEU2<sup>C.g.</sup>/sps1::LEU2<sup>C.g.</sup></i>	This study
LH1079	<i>MATa/MATa ho::LYS2/ho::LYS2 lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA HTB2:mCherry:TRP1<sup>C.g.</sup>/HTB2:mCherry:TRP1<sup>C.g.</sup> CDC14:GFP<sup>ENVY</sup>:HIS3<sup>S.p.</sup>/ +</i>	This study
LH1080	<i>MATa/MATa ho::LYS2/ho::LYS2 lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA HTB2:mCherry:TRP1<sup>C.g.</sup>/HTB2:mCherry:TRP1<sup>C.g.</sup> CDC14:ENVY:HIS3<sup>S.p.</sup>/ + KanMX6:pCLB2-3HA-MOB1/KanMX6:pCLB2-3HA-MOB1 mxKAN:prCLB2:HA:DBF2/ mxKAN:prCLB2:HA:DBF2 dbf20Δ::kanMX6/dbf20Δ::kanMX6</i>	This study
LH1081	<i>MATa/MATa ho::LYS2/ho::LYS2 lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA KanMX6:pCLB2-3HA-MOB1/KanMX6:pCLB2-3HA-MOB1 mxKAN:prCLB2:HA:DBF2/ mxKAN:prCLB2:HA:DBF2 dbf20Δ::kanMX6/dbf20Δ::kanMX6</i>	This study
LH1083	<i>MATa/MATa ho::LYS2/ho::LYS2 lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA CDC15:9myc:TRP1/CDC15:9myc:TRP1 HTB2:mCherry:TRP1<sup>C.g.</sup>/HTB2:mCherry:TRP1<sup>C.g.</sup> sps1::LEU2<sup>C.g.</sup>/ sps1::LEU2<sup>C.g.</sup></i>	This study

TABLE S1, continued (page 3 of 4)

Strain	Genotype	Source
LH1084	<i>MATa/MATa ho::LYS2/ho::LYS2 lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA CDC14:ENVY: HIS3<sup>S.p.</sup>/ CDC14:ENVY: HIS3<sup>S.p.</sup> NOP56:mCherry: TRP1<sup>C.g.</sup>/ NOP56:mCherry: TRP1<sup>C.g.</sup></i>	This study
LH1085	<i>MATa/MATa ho::LYS2/ho::LYS2 lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA CDC14:GFP<sup>ENVY</sup>:HIS3<sup>S.p.</sup>/ CDC14:GFP<sup>ENVY</sup>:HIS3<sup>S.p.</sup> sps1::LEU2<sup>C.g.</sup>/sps1::LEU2<sup>C.g.</sup> NOP56:mCherry: TRP1<sup>C.g.</sup>/ NOP56:mCherry: TRP1<sup>C.g.</sup></i>	This study
LH1086	<i>MATa/MATa ho::LYS2/ho::LYS2 lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA CDC14:GFP<sup>ENVY</sup>:HIS3<sup>S.p.</sup>/CDC14:GFP<sup>ENVY</sup>:HIS3<sup>S.p.</sup> mxKAN:prCLB2:HA:CDC15/mxKAN:prCLB2:HA:CDC15 NOP56:mCherry:TRP1<sup>C.g.</sup>/ NOP56:mCherry:TRP1<sup>C.g.</sup></i>	This study
LH1087	<i>MATa/MATa ho::LYS2/ho::LYS2 lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA KanMX6:pCLB2-3HA-MOB1/KanMX6:pCLB2-3HA-MOB HTB2:mCherry:TRP1<sup>C.g.</sup>/HTB2:mCherry:TRP1<sup>C.g.</sup></i>	This study
LH1088	<i>MATa/MATa ho::LYS2/ho::LYS2 lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA mxKAN:prCLB2:HA:DBF2/mxKAN:prCLB2:HA:DBF2 dbf20Δ::kanMX6/dbf20Δ::kanMX6 HTB2:mCherry:TRP1<sup>C.g.</sup>/ HTB2:mCherry:TRP1<sup>C.g.</sup></i>	This study
LH1095	<i>MATa/MATa ho::LYS2/ho::LYS2 lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA TUB1+3'UTR::LEU2::HIS3p:ENVY-TUB1/TUB1+3'UTR::LEU2::HIS3p:ENVY-TUB1 HTB2-mCHERRY:TRP1<sup>C.g.</sup>/HTB2-mCHERRY:TRP1<sup>C.g.</sup></i>	This study
LH1096	<i>MATa/MATa ho::LYS2/ho::LYS2 lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA TUB1+3'UTR::LEU2::HIS3p:ENVY-TUB1/TUB1+3'UTR::LEU2::HIS3p:ENVY-TUB1 HTB2-mCHERRY:TRP1<sup>C.g.</sup>/HTB2-mCHERRY:TRP1<sup>C.g.</sup> mxKAN:prCLB2:HA:CDC15/mxKAN:prCLB2:HA:CDC15</i>	This study
LH1097	<i>MATa/MATa ho::LYS2/ho::LYS2 lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA TUB1+3'UTR::LEU2::HIS3p:ENVY-TUB1/TUB1+3'UTR::LEU2::HIS3p:ENVY-TUB1 HTB2-mCHERRY:TRP1<sup>C.g.</sup>/HTB2-mCHERRY:TRP1<sup>C.g.</sup> sps1::LEU2<sup>C.g.</sup>/ sps1::LEU2<sup>C.g.</sup></i>	This study
LH1098	<i>MATa/MATa ho::LYS2/ho::LYS2 lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA TUB1+3'UTR::LEU2::HIS3p:ENVY-TUB1/TUB1+3'UTR::LEU2::HIS3p:ENVY-TUB1 HTB2-mCHERRY:TRP1<sup>C.g.</sup>/HTB2-mCHERRY:TRP1<sup>C.g.</sup> sps1::LEU2<sup>C.g.</sup>/ sps1::LEU2<sup>C.g.</sup> mxKAN:prCLB2:HA:CDC15/mxKAN:prCLB2:HA:CDC15</i>	This study
LH1099	<i>MATa/MATa ho::LYS2/ho::LYS2 lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA TUB1+3'UTR::LEU2::HIS3p:ENVY-TUB1/TUB1+3'UTR::LEU2::HIS3p:ENVY-TUB1 HTB2-mCHERRY:TRP1<sup>C.g.</sup>/HTB2-mCHERRY:TRP1<sup>C.g.</sup> KanMX6:pCLB2-3HA-MOB1/KanMX6:pCLB2-3HA-MOB1 mxKAN:prCLB2:HA:DBF2/ mxKAN:prCLB2:HA:DBF2 dbf20Δ::kanMX6/dbf20Δ::kanMX6</i>	This study
LH1102	<i>MATa/MATa ho::LYS2/ho::LYS2 lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA TUB1+3'UTR::LEU2::HIS3p:ENVY-TUB1/TUB1+3'UTR::LEU2::HIS3p:ENVY-TUB1 HTB2-mCHERRY:TRP1<sup>C.g.</sup>/HTB2-mCHERRY:TRP1<sup>C.g.</sup> sps1<sup>K47R</sup>-zz:TRP1/ sps1<sup>K47R</sup>-zz:TRP</i>	This study

TABLE S1, continued (page 4 of 4)

Strain	Genotype	Source
LH1103	<i>MATa/MATα ho::LYS2/ho::LYS2 lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA TUB1+3'UTR::LEU2::HIS3p:ENVY-TUB1/TUB1+3'UTR::LEU2::HIS3p:ENVY-TUB1 HTB2-mCHERRY:TRP1<sup>C.g.</sup>/HTB2-mCHERRY:TRP1<sup>C.g.</sup> hho1::TRP1<sup>C.g.</sup>/ hho1::TRP1<sup>C.g.</sup></i>	This study
LH1104	<i>MATa/MATα ho::LYS2/ho::LYS2 lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA HTB2:mCherry:TRP1<sup>C.g.</sup>/HTB2:mCherry:TRP1<sup>C.g.</sup> CDC14:GFP<sup>ENVY</sup>:HIS3<sup>S.p.</sup>/ + sps1<sup>K47R</sup>-zz:TRP1/sps1<sup>K47R</sup>-zz:TRP</i>	This study
LH1105	<i>MATa/MATα ho::LYS2/ho::LYS2 lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA HTB2:mCherry:TRP1<sup>C.g.</sup>/HTB2:mCherry:TRP1<sup>C.g.</sup> CDC14:GFP<sup>ENVY</sup>:HIS3<sup>S.p.</sup>/ + hho1::TRP1<sup>C.g.</sup>/ hho1::TRP1<sup>C.g.</sup></i>	This study
LH1106	<i>MATa/MATα ho::LYS2/ho::LYS2 lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA HTB2:mCherry:TRP1<sup>C.g.</sup>/HTB2:mCherry:TRP1<sup>C.g.</sup> sps1<sup>K47R</sup>-zz:TRP1/sps1<sup>K47R</sup>-zz:TRP</i>	This study
LH1107	<i>MATa/MATα ho::LYS2/ho::LYS2 lys2/lys2 ura3/ura3 leu2/leu2 his3/his3 trp1ΔFA/trp1ΔFA HTB2:mCherry:TRP1<sup>C.g.</sup>/HTB2:mCherry:TRP1<sup>C.g.</sup> hho1::TRP1<sup>C.g.</sup>/ hho1::TRP1<sup>C.g.</sup></i>	This study

**TABLE S2: Yeast Strains Containing Plasmids**

<b>Strain</b>	<b>Genotype</b>	<b>Source</b>
LH917	LH902 plus pRS426-G20	Parodi <i>et al.</i> 2012
LH1047	LH976 ( <i>sps1Δ</i> ) plus pRS426-G20	Paulissen <i>et al.</i> 2016
LH1073	LH1072 ( <i>cdc15-mn</i> ) plus pRS426-E20	This study
LH1074	LH1067 ( <i>sps1 Δ cdc15-mn</i> ) plus pRS426-E20	This study
LH1076	LH1075 ( <i>cdc15-mn ama1 Δ</i> ) plus pRS426-E20	This study
LH1081	LH902 plus pRS426-E20	This study
LH1082	LH1068 ( <i>mob1-mn dbf2-mn dbf20 Δ</i> ) plus pRS426-E20	This study
LH1089	LH976 ( <i>sps1 Δ</i> ) plus pRS426-E20	This study
LH1108	LH1106 ( <i>sps1<sup>K47R</sup></i> ) plus pRS426-E20	This study
LH1109	LH1107 ( <i>hho1Δ</i> ) plus pRS426-E20	This study

**TABLE S3: Genes screened for H4S1p phenotype**

<b>Gene Name</b>				
<i>ADY2</i>	<i>HST4</i>	<i>PLP1</i>	<i>THI74</i>	<i>YDL114W</i>
<i>ADY3</i>	<i>HUL5</i>	<i>PRD1</i>	<i>TMA64</i>	<i>YDL162C</i>
<i>ALK2</i>	<i>ISC10</i>	<i>PRM2</i>	<i>TOS10</i>	<i>YDL180W</i>
<i>AMA1</i>	<i>LAA2</i>	<i>PRR2</i>	<i>TOS8</i>	<i>YDL186W</i>
<i>AOR1</i>	<i>LCD1</i>	<i>RGD1</i>	<i>TPH3</i>	<i>YDR015C</i>
<i>API2</i>	<i>MAM1</i>	<i>RRG1</i>	<i>TRS85/GSG1<sup>2</sup></i>	<i>YDR018C</i>
<i>ATG9<sup>2</sup></i>	<i>MCH1</i>	<i>RRT5</i>	<i>UBP1</i>	<i>YDR042C</i>
<i>ATG18<sup>2</sup></i>	<i>MCY1</i>	<i>RTT12</i>	<i>ULI1</i>	<i>YDR250C</i>
<i>AZR1</i>	<i>MFG1</i>	<i>RXT3</i>	<i>VHS1</i>	<i>YDR491C</i>
<i>CDC15<sup>1, 2</sup></i>	<i>MGR1</i>	<i>SET1<sup>2</sup></i>	<i>YAP6</i>	<i>YEL023C</i>
<i>CSM1</i>	<i>MIP6</i>	<i>SPO22</i>	<i>YCK3</i>	<i>YER076C</i>
<i>DCV1</i>	<i>MND2<sup>2</sup></i>	<i>SPO23</i>	<i>YEF1</i>	<i>YER084W</i>
<i>DIG2</i>	<i>MPS3</i>	<i>SPO71</i>	<i>YSP2</i>	<i>YER085C</i>
<i>DMA1</i>	<i>MUS81</i>	<i>SPO73</i>	<i>YSW1</i>	<i>YFL040W</i>
<i>DTR1</i>	<i>NKP1</i>	<i>SPO75</i>	<i>YUH1</i>	<i>YFR018C</i>
<i>EDC2</i>	<i>NPP2</i>	<i>SPO77<sup>2</sup></i>	<i>ZRG8</i>	<i>YGL081W</i>
<i>FMP10</i>	<i>OSW7</i>	<i>SPR6</i>	<i>YBR063C</i>	<i>YGL138C</i>
<i>FNH1</i>	<i>PES4</i>	<i>SPR28</i>	<i>YBR134W</i>	<i>YGL230C</i>
<i>GAT4</i>	<i>PET18</i>	<i>SPS22</i>	<i>YBR144C</i>	<i>YGL242C</i>
<i>GIP1</i>	<i>PEX22</i>	<i>SSM4</i>	<i>YBR184W</i>	<i>YGR016W</i>
<i>GIS1</i>	<i>PEX28</i>	<i>SSP2</i>	<i>YBR232C</i>	<i>YIL024C</i>
<i>GMC1</i>	<i>PHO92</i>	<i>SWM1</i>	<i>YCR061W</i>	<i>YIL055C</i>
<i>HIM1</i>	<i>PKP1</i>	<i>SYP1</i>	<i>YDL109C</i>	<i>YJR037W</i>
<i>HIT1</i>				

<sup>1</sup>All strains screened were from the yeast gene knock-out collection in the SK1 background from Rabitsch *et al.* 2001 except for the *cdc15* mutant containing strain, which was from HI50 (Pablo-Hernando *et al.* 2007).

<sup>2</sup>The *atg9*, *atg18*, *cdc15*, *mnd2*, *set1*, *spo77* and *trs85* containing mutant strains exhibited decreased H4S1p phosphorylation.