

**Table S1. Strain list**

Strain	Genotype	Source
FY527	<i>h- leu1-32 ura4-D18 his3-D1 ade6-M216</i>	S. Forsburg
FY528	<i>h+ leu1-32 ura4-D18 his3-D1 ade6-M210</i>	S. Forsburg
TP38	<i>h- cdc15-127 leu1-32</i>	Lab Stock
IRT012	<i>h- rng2-D5 leu1-32, ura4-D18, ade6-M21X</i>	Lab Stock
TP60	<i>myo2-E1 ura4-D18, leu1-32, ade6-M216</i>	Lab Stock
TP6	<i>cdc4-8 leu1-32, ade6-M216 his7-366</i>	Lab Stock
MBY310	<i>cdc12-112 ura4-D18, leu1-32, ade6-M210</i>	Lab Stock
VS1022	<i>h clc1-mCherry-natMX6 ade6-M216 ura4-D18 his3-D1 leu1-32</i>	Lab Stock
SP156	<i>h- cwg1-2</i>	Dr. Pilar Perez
AR210	<i>h- [rga7::kanMX6 ura4-D18 his3-D1 ade6-M216 leu1-32</i>	Lab Stock
AR424	<i>h- [rga7::ura4+ ura4-D18 his3-D1 ade6-M216 leu1-32</i>	Lab Stock
AR489	<i>Δrga7::ura4 cdc12-112 ura4-D18, leu1-32, ade6-M210</i>	Lab Stock
AR491	<i>h Δrga7::ura4 rng2-D5 leu1-32, ura4-D18, ade6-M21X</i>	Lab Stock
AR483	<i>Δrga7::ura4 cdc4-8 leu1-32, ade6-M216</i>	Lab Stock
AR485	<i>Δrga7::kanMX6 cdc15-127</i>	Lab Stock
AR728	<i>h rga7-mEGFP-kanMX6 sad1-tdTomato-natMX6 ade6-M21X leu1-32 ura4-D18</i>	Lab Stock
AR729	<i>h- rlc1-mEGFP-natMX6 sad1-mCherry-natMX6 leu1-32 ura4-D18 his3-D1 ade6-M21X</i>	Lab Stock
AR730	<i>h- [rga7::kanMX6 rlc1-mEGFP-natMX6 sad1-mCherry-natMX6 leu1-32 ura4-D18 his3-D1 ade6-M21X</i>	Lab Stock
AR751	<i>h rlc1-tdTomato-natMX6 rga7-mEGFP-kanMX6 ade6-M21X mcherry-atb2::hph leu1-32 ura4-D18</i>	Lab Stock
AR754	<i>h rlc1-tdTomato-natMX6 rga7 FBD AH1-3-mEGFP-kanMX6 ade6-M21X mcherry-atb2::hph leu1-32 ura4-D18</i>	Lab Stock
AR757	<i>h [rga7::kanMX6 bgs1Δ::ura4+ P<sub>bgs1</sub><sup>+</sup>::GFP-bgs1<sup>+</sup>:leu1<sup>+</sup> leu1-32 mcherry-atb2::hph ura4-D18 his3-D1 ade6-M21X</i>	Lab Stock
AR761	<i>h rlc1-tdTomato-natMX6 rga7FBD AH1-2-mEGFP-kanMX6 ade6-M21X sad1-mcherry-natMX6 leu1-32 ura4-D18</i>	Lab Stock
AR762	<i>h rlc1-tdTomato-natMX6 rga7FBD AH1-mEGFP-kanMX6 ade6-M21X sad1-mcherry-natMX6 leu1-32 ura4-D18</i>	Lab Stock
AR764	<i>h bgs1Δ::ura4+ P<sub>bgs1</sub><sup>+</sup>::GFP-bgs1<sup>+</sup>:leu1<sup>+</sup> leu1-32 mcherry-atb2::hph ura4-D18 his3-D1 ade6-M21X</i>	Lab Stock
AR767	<i>h sec72-mEGFP-kanMX6 clc1-mcherry-natmx6 leu1-32 ura4-D18 ade6-M21X</i>	Lab Stock
AR776	<i>h cdc12-112 rga7-mEGFP-kanMX6 ade6-M21X mcherry-atb2::hph leu1-32 ura4-D18</i>	Lab Stock
AR777	<i>h sid2-250 rga7-mEGFP-kanMX6 ade6-M21X mcherry-atb2::hph leu1-32 ura4-D18</i>	Lab Stock
AR778	<i>h bgs4Δ::ura4+ P<sub>bgs4</sub><sup>+</sup>::GFP-bgs4<sup>+</sup>:leu1<sup>+</sup> leu1-32 mcherry-atb2::hph ura4-D18 his3-D1 ade6-M21X</i>	Lab Stock
AR779	<i>h [rga7::kanMX6 bgs4Δ::ura4+ P<sub>bgs4</sub><sup>+</sup>::GFP-bgs4<sup>+</sup>:leu1<sup>+</sup> leu1-32 mcherry-atb2::hph ura4-D18 his3-D1 ade6-M21X</i>	Lab Stock
AR780	<i>h for3-3GFP-kanMX6 mcherry-atb2::hph ade6-M21X leu1-32 ura4-D18</i>	Lab Stock
AR781	<i>h [for3::kanMX6rga7-mEGFP-kanMX6 sad1-mCherry-kanMX6</i>	Lab Stock

Strain	Genotype	Source
	<i>ade6-M21X leu1-32 ura4-D18</i>	
AR782	<i>h bgs4Δ::ura4<sup>+</sup> P<sub>bgs4</sub><sup>+</sup>::GFP-bgs4<sup>+</sup>:leu1<sup>+</sup> leu1-32 mcherry-atb2::hph clc1-mCherry-natMX6 ura4-D18 his3-D1 ade6-M21X</i>	Lab Stock
AR783	<i>h rlc1-tdTomato-natMX6 rga7FBD-mEGFP-kanMX6 ade6-M21X sad1-mcherry-natMX6 leu1-32 ura4-D18</i>	Lab Stock
AR784	<i>h rlc1-tdTomato-natMX6 rga7(1-870)-mEGFP-kanMX6 ade6-M21X sad1-mcherry-natMX6 leu1-32 ura4-D18</i>	Lab Stock
AR785	<i>h bgs4Δ::ura4<sup>+</sup> P<sub>bgs4</sub><sup>+</sup>::GFP-bgs4<sup>+</sup>:leu1<sup>+</sup> leu1-32 mcherry-atb2::hph rga7-tdTomato-natMX6 ade6-M21X ura4-D18</i>	Lab Stock
AR786	<i>h bgs4Δ::ura4<sup>+</sup> P<sub>bgs4</sub><sup>+</sup>::GFP-bgs4<sup>+</sup>:leu1<sup>+</sup> rga7-tdTomato-natMX6 ade6-M21X ura4-D18</i>	Lab Stock
AR787	<i>h- cwg1-2 Δrga7::kanMX6</i>	Lab Stock
AR788	<i>h bgs4Δ::ura4<sup>+</sup> P<sub>bgs4</sub><sup>+</sup>::GFP-bgs4<sup>+</sup>:leu1<sup>+</sup> rga7FBD-mCherry-natMX6 mcherry-atb2::hph ade6-M21X leu1-32 ura4-D18</i>	Lab Stock
AR789	<i>h bgs4Δ::ura4<sup>+</sup> P<sub>bgs4</sub><sup>+</sup>::GFP-bgs4<sup>+</sup>:leu1<sup>+</sup> rga7 FBD AH1-3-mCherry-natMX6 mcherry-atb2::hph ade6-M21X leu1-32 ura4-D18</i>	Lab Stock