

**Supplemental Table S1****Strains used in this study**

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
TP50	<i>h+ Δmyp2::his7<sup>+</sup> his7-366 leu1-32 ura4-Δ18 ade6-M216</i>	Lab Stock
7904	<i>h- cdc15::cdc15ΔSH3<sub>1-869</sub>-FLAG3/kanR ade6-M210 ura4-D18 leu1-32</i>	K. Gould
8199	<i>h- cdc15::cdc15ΔSH3-mCherry/kanR ade6-M210 ura4-D18 leu1-32</i>	K. Gould
DMY822	<i>h- clp1Δ::ura4+ ade6-M216 leu1-32 ura4-D18</i>	Dan McCollum
DMY821	<i>h+ clp1Δ::ura4+ ade6-M216 leu1-32 ura4-D18Δ</i>	Dan McCollum
JW1114	<i>h+ cdc12-3YFP-kanMX6 sad1-CFP-kanMX6 ade6 leu1-32 ura4-D18</i>	Lab Stock
JW784	<i>h myp2-YFP-kanMX6 sad1-CFP-kanMX6 ade6-M210 leu1-32 ura4-D18</i>	Lab Stock
QC196	<i>h leu1-32 ura4-D18 his3-D1 ade6-M21X mcherry-atb2::hph</i>	Qian Chen
AR51	<i>h- cdc15-140 leu1-32</i>	Simanis V
AR140	<i>h+ leu1-32 ura4-D18 ade6-M210 kanMX6-Pcdc15-mEGFP-cdc15</i>	Lab Stock
AR306	<i>kanMX6-P<sub>41xnm1</sub>-mEGFP-cdc15 ade6 leu1-32 ura4-D18</i>	Lab Stock
AR307	<i>h- leu1-32 ura4-D18 his3-D1 ade6-M216 kanMX6-P41xnm1-cdc15</i>	Lab Stock
AR311	<i>h- rlc1-tdTomato-natMX6 sad1-GFP-kanMX6 leu1-32 ura4-D18 his3-D1 ade6-M21X</i>	Lab Stock
AR333	<i>h kanMX6-P<sub>41xnm1</sub>-cdc15 rlc1-tdTomato-natMX6 sad1-GFP-kanMX6</i>	Lab Stock
AR344	<i>h+ anp1-mCherry-natMX6 leu1-32 ura4-D18 his3-D1 ade6-M216</i>	Lab Stock
AR350	<i>h+ sec72-mEGFP-kanMX6 leu1-32 ura4-D18 his3-D1 ade6-M216</i>	Lab Stock
AR493	<i>cps1-191 ade6-210 ura4-D18 lys1-131 h<sup>-</sup></i>	Lab Stock
AR575	<i>h- cdc15::cdc15ΔSH3<sub>1-869</sub>-FLAG3/kanR ade6-M210 ura4-D18 leu1-32 rlc1-tdTomato-natMX6 sad1-GFP-kanMX6</i>	Lab Stock
AR581	<i>h rlc1-tdTomato-natMX6 sad1-GFP-kanMX6 bgs1Δ::ura4<sup>+</sup> P<sub>bgs1</sub><sup>+</sup>::GFP-bgs1<sup>+</sup>:leu1<sup>+</sup> leu1-32 ura4-D18 his3-D1 ade6-M21X</i>	Lab Stock
AR582	<i>h clp1Δ::ura4+ rlc1-tdTomato-natMX6 sad1-GFP-kanMX6 bgs1Δ::ura4<sup>+</sup> P<sub>bgs1</sub><sup>+</sup>::GFP-bgs1<sup>+</sup>:leu1<sup>+</sup> leu1-32 ura4-D18 his3-D1 ade6-M21X</i>	Lab Stock
AR602	<i>h- leu1-32 ura4-Δ18 his3-Δ1 bgs1Δ::ura4<sup>+</sup> P<sub>bgs1</sub><sup>+</sup>::GFP-bgs1<sup>+</sup>:leu1<sup>+</sup></i>	Lab Stock
AR609	<i>h Δmyp2::his7+ kanMX6-P<sub>41xnm1</sub>-cdc15 rlc1-tdTomato-natMX6 sad1-GFP-kanMX6</i>	Lab Stock

Role of Cdc15p in cytokinesis

AR619	<i>h Δmyp2::his7+ rlc1-tdTomato-natMX6 sad1-GFP-kanMX6 bgs1Δ::ura4+ P<sub>bgs1</sub><sup>+</sup>::GFP-bgs1<sup>+</sup>:leu1<sup>+</sup> leu1-32 ura4-D18 his3-D1 ade6-M21X</i>	Lab Stock
AR625	<i>h kanMX6-P<sub>41xnmt1</sub>-mEGFP-cdc15 ade6 leu1-32 ura4-D18 mcherry-atb2::hph</i>	Lab Stock
AR630	<i>h+ Δmyp2::his7<sup>+</sup> his7-366 cdc15-140 leu1-32</i>	Lab Stock
AR650	<i>h kanMX6-P41xnmt1-cdc15 rlc1-tdTomato-natMX6 sad1-GFP-kanMX6 bgs1Δ::ura4<sup>+</sup> P<sub>bgs1</sub><sup>+</sup>::GFP-bgs1<sup>+</sup>:leu1<sup>+</sup> leu1-32 ura4-D18 his3-D1 ade6-M21X</i>	Lab Stock
AR651	<i>h sec72-mCherry-kanMX6 bgs1Δ::ura4<sup>+</sup> P<sub>bgs1</sub><sup>+</sup>::GFP-bgs1<sup>+</sup>:leu1<sup>+</sup> leu1-32 ura4-D18 his3-D1 ade6-M21X</i>	Lab Stock
AR652	<i>h kanMX6-P41xnmt1-cdc15 cdc12-3xYFP-kanMX6 sad1-CFP-kanMX6 ade6-M21X leu1-32 ura4-D18</i>	Lab Stock
AR705	<i>h cdc15::cdc15ΔSH3<sub>1-869</sub>-FLAG3/kanR rlc1-tdTomato-natMX6 sad1-GFP-kanMX6 bgs1Δ::ura4<sup>+</sup> P<sub>bgs1</sub><sup>+</sup>::GFP-bgs1<sup>+</sup>:leu1<sup>+</sup> leu1-32 ura4-D18 his3-D1 ade6-M21X</i>	Lab Stock
AR710	<i>h clp1Δ::ura4+ myp2-YFP-kanMX6 sad1-CFP-kanMX6 ade6-M21X leu1-32 ura4-D18</i>	Lab Stock
AR711	<i>h leu1-32 ura4-D18 his3-D1 ade6-M21X kanMX6-P41xnmt1-cdc15 myp2-YFP-kanMX6 sad1-CFP-kanMX6</i>	Lab Stock
AR712	<i>h cdc15::cdc15ΔSH3-FLAG3/kanR ade6-M210 ura4-D18 leu1-32 myp2-YFP-kanMX6 sad1-CFP-kanMX6</i>	Lab Stock
AR736	<i>h<sup>-</sup> mcherry-atb2::hph rlc1-tdTomato-natMX6 cps1-191 ade6-210 ura4-D18 lys1-131</i>	Lab Stock
AR737	<i>h- leu1-32 ura4-D18 his3-D1 ade6-M216 kanMX6-P41xnmt1-cdc15 P<sub>cdc15</sub><sup>+</sup>::mCherry-cdc15FBD<sup>+</sup>:leu1<sup>+</sup></i>	Lab Stock
AR738	<i>h- leu1-32 ura4-D18 his3-D1 ade6-M216 sad1-mEGFP-kanMX6 kanMX6-P41xnmt1-cdc15 P<sub>cdc15</sub><sup>+</sup>::mCherry-cdc15MD<sup>+</sup>:leu1<sup>+</sup></i>	Lab Stock
AR739	<i>h- leu1-32 ura4-D18 his3-D1 ade6-M216 kanMX6-P41xnmt1-cdc15 mEGFP-P<sub>bgs1</sub><sup>-</sup>-bgs1<sup>+</sup>-kanMX6 P<sub>cdc15</sub><sup>+</sup>::mCherry-cdc15MD<sup>+</sup>:leu1<sup>+</sup></i>	Lab Stock
AR746	<i>cdc15::cdc15ΔSH3-mCherry/kanR ade6-M210 ura4-D18 leu1-32 mEGFP-P<sub>bgs1</sub><sup>-</sup>-bgs1<sup>+</sup>-kanMX6</i>	Lab Stock
AR747	<i>h- leu1-32 ura4-D18 his3-D1 ade6-M216 kanMX6-P41xnmt1-cdc15 P<sub>cdc15</sub><sup>+</sup>::mCherry-cdc15MD<sup>+</sup>:leu1<sup>+</sup></i>	Lab Stock
AR749	<i>h- leu1-32 ura4-D18 his3-D1 ade6-M216 sad1-mEGFP-kanMX6 kanMX6-P41xnmt1-cdc15 P<sub>cdc15</sub><sup>+</sup>::mCherry-cdc15FBD<sup>+</sup>:leu1<sup>+</sup></i>	Lab Stock
AR750	<i>h- leu1-32 ura4-D18 his3-D1 ade6-M216 sad1-mCherry kanMX6-P41xnmt1-cdc15 rlc1-mEGFP-kanMX6 P<sub>cdc15</sub><sup>+</sup>::mCherry-cdc15MD<sup>+</sup>:leu1<sup>+</sup></i>	Lab Stock
IRT058	<i>h+ leu1-32, ura4-D18, ade6-M21X, kanMX6 Pcdc15-mCherry-cdc15</i>	Lab Stock
VS1027	<i>h- clc1-mCherry-natMX6 ade6-M216 ura4-D18 his3-D1 leu1-32</i>	V. Sirotkin
AR767	<i>h clc1-mCherry-natMX6 sec72-mEGFP-kanMX6 leu1-32 ura4-D18 his3-D1 ade6-M21X</i>	Lab Stock