

**Table S3: Yeast strains used in this work.**

Unlisted N<sub>ub</sub>-fusion strains were available in the Johnsson Lab (Hruby et al, 2011).

Name	Relevant genotype	Source	Origin
BY Ammerer	<i>MATa arg4::KanMX4 his3Δ1 leu2Δ0 lys1::KanMX4 lys2Δ0 ura3Δ0</i>		Ammerer Lab, MFPL Vienna University
BY SILAC	<i>TRP1::HIS3</i>	BY Ammerer	This work
Bud3-TAP	<i>BUD3::BUD3-TAP URA3</i>	BY SILAC	This work
Bud4-TAP	<i>BUD4::BUD4-TAP URA3</i>	BY SILAC	This work
Cdc11-GFP	<i>CDC11::CDC11-GFP TRP1</i>	BY SILAC	This work
Cdc11-TAP	<i>CDC11::CDC11-TAP K. lactis-TRP1</i>	BY SILAC	This work
BY SILAC <i>cdc15ts</i>	<i>CDC15::cdc15-1 C. maltosis-LEU2</i>	BY SILAC	This work
Cdc11-GFP	<i>CDC11::CDC11-GFP TRP1</i>	BY SILAC <i>cdc15ts</i>	This work
Cdc11-TAP	<i>CDC11::CDC11-TAP K. lactis-TRP1</i>	BY SILAC <i>cdc15ts</i>	This work
Shs1-mCherry Tub1-GFP	<i>SHS1::SHS1-mCherry URA3 TUB1::TUB1-GFP TRP1</i>	BY SILAC <i>cdc15ts</i>	This work
New1-TAP	<i>NEW1::NEW1-TAP URA3</i>	BY SILAC	This work
Pno1-TAP	<i>PNO1::PNO1-TAP URA3</i>	BY SILAC	This work
Rlp7-TAP	<i>RLP7::RLP7-TAP URA3</i>	BY SILAC	This work
Sfb3-TAP	<i>SFB3::SFB3-TAP URA3</i>	BY SILAC	This work
Shs1-mCherry Bni4-GFP	<i>SHS1::SHS1-mCherry URA3 BNI4::BNI4-GFP TRP1</i>	BY SILAC	This work
Shs1-mCherry Nip1-GFP	<i>SHS1::SHS1-mCherry URA3 NIP1::NIP1-GFP TRP1</i>	BY SILAC	This work
Shs1-mCherry Pno1-GFP	<i>SHS1::SHS1-mCherry URA3 PNO1::PNO1-GFP TRP1</i>	BY SILAC	This work
Sla2-TAP	<i>SLA2::SLA2-TAP URA3</i>	BY SILAC	This work
Ste20-TAP	<i>STE20::STE20-TAP URA3</i>	BY SILAC	This work
Syp1-TAP	<i>SYPI::SYPI-TAP URA3</i>	BY SILAC	This work
Vps1-GFP	<i>VPS1::VPS1-GFP TRP1</i>	BY SILAC	This work
ESM1278	<i>MATa ade2-101 leu2Δ1 lys2-801 trp1-Δ63 his3-Δ200 ura3-52 cdc15-1</i>		(Perreira et al., 2002)
ESM1278 <i>cdc15-1 LEU2</i>	<i>cdc15-1 C. maltosis-LEU2</i>	ESM1278	This work
JD47	<i>MATa his3-Δ200 leu2-3,112 lys2-801 trp1Δ63 ura3-52</i>		(Madura et al., 1993)
Cdc3-CCG	<i>CDC3::CDC3-CCG URA3</i>	JD47	This work

Cdc10-CCG	<i>CDC10::CDC10-CCG URA3</i>	JD47	This work
Cdc11-CCG	<i>CDC11::CDC11-CCG URA3</i>	JD47	This work
Cdc12-CCG	<i>CDC12::CDC12-CCG URA3</i>	JD47	This work
Shs1-CCG	<i>SHS1::SHS1-CCG URA3</i>	JD47	This work
Shs1-mCherry Bud3-GFP	<i>SHS1::SHS1-mCherry URA3</i> <i>BUD3::BUD3-GFP TRP1</i>	JD47	This work
Shs1-mCherry Bud4-GFP	<i>SHS1::SHS1-mCherry URA3</i> <i>BUD4::BUD4-GFP TRP1</i>	JD47	This work
JD53	<i>MATa his3-Δ200 leu2-3,112 lys2-801</i> <i>trp1Δ63 ura3-52</i>		(Dohmen <i>et al.</i> , 1995)
N <sub>ub</sub> -Coy1	<i>P<sub>COY1</sub>::kanMX6 P<sub>CUP1</sub>N<sub>ub</sub>-HA</i>	JD53	This work
N <sub>ub</sub> -Cse1	<i>P<sub>CSE1</sub>::kanMX6 P<sub>CUP1</sub>N<sub>ub</sub>-HA</i>	JD53	This work
N <sub>ub</sub> -Glc7	<i>P<sub>GLC7</sub>::kanMX6 P<sub>CUP1</sub>N<sub>ub</sub>-HA</i>	JD53	This work
N <sub>ub</sub> -Mrc1	<i>P<sub>MRC1</sub>::kanMX6 P<sub>CUP1</sub>N<sub>ub</sub>-HA</i>	JD53	This work
N <sub>ub</sub> -New1	<i>P<sub>NEW1</sub>::kanMX6 P<sub>CUP1</sub>N<sub>ub</sub>-HA</i>	JD53	This work
N <sub>ub</sub> -Nop4	<i>P<sub>NOP4</sub>::kanMX6 P<sub>CUP1</sub>N<sub>ub</sub>-HA</i>	JD53	This work
N <sub>ub</sub> -Rlp7	<i>P<sub>RLP7</sub>::kanMX6 P<sub>CUP1</sub>N<sub>ub</sub>-HA</i>	JD53	This work
N <sub>ub</sub> -Sfb3	<i>P<sub>SFB3</sub>::kanMX6 P<sub>CUP1</sub>N<sub>ub</sub>-HA</i>	JD53	This work
N <sub>ub</sub> -Sic1	<i>P<sub>SIC1</sub>::kanMX6 P<sub>CUP1</sub>N<sub>ub</sub>-HA</i>	JD53	This work
N <sub>ub</sub> -Vps1	<i>P<sub>VPS1</sub>::kanMX6 P<sub>CUP1</sub>N<sub>ub</sub>-HA</i>	JD53	This work