Supplemental Table S5

Yeast strains employed in this work.

Yeast Strain	Genotype	Source
BY4741	***MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0***	Open Biosystems
YEVN1931	**BY4741 *hel2Δ::hyg*^{R}**	This study
YEVN2766	**YEVN1931 [2μ, *HEL2, URA3*]**	This study
YEVN2809	**YEVN 2766 *gcn1Δ::kan*^{R}**	This study
YBB0242	***BY4741; tLeu(GAG)Δ::HygroR***	This study
YMT557-1	***tL(UAG)ΔJ::PhleoR* [*tL(UAG)J URA3 2μ*]**	Monica Tasak
YMT574-7	***tL(UAG)JΔ::BleR tL(UAG)L1Δ::KanR* [*tL(UAG)J URA3 2μ*]**	Monica Tasak
YBB0359	**YBB0242 with EBB 0528 OIIO**	This study
YBB0761	**YBB0359 with LeuPro IOIO in *URA3* (EBB439)**	This study
YBB0765	**YBB0359 with LeuPro OIIO in *URA3* (EBB443)**	This study
YBB0766	**YBB0359 with LeuPro OIIO in *URA3* (EBB443)**	This study
YBB0770	**YBB0359 with LeuPro IOII in *URA3* EBB447**	This study
YBB0771	**YBB0359 with LeuPro IOII in *URA3* EBB447**	This study
YBB0775	**YBB0359 with LeuPro IIII in *URA3* (EBB451)**	This study
YBB0776	**YBB0359 with LeuPro IIII in *URA3* (EBB451)**	This study
YBB0800	***BY4741 lys2:: tL(GAG) LEU2***	This Study
YBB0814	***YBB0242; lys2::tL(GAG), LEU2***	This Study
YBB1466	***BY4741 lys2:: tL(GAG)C33U Leu2***	This Study
YBB1481	***YBB0242; lys2:: tL(GAG)C33U LEU2***	This Study
YBB1670	**YBB0242 *lys2::tP(UGG)(YNCL0001W) LEU2***	This Study
YBB1677	**YBB0242 *lys2::tP(UGG)U33C (YNCL0001W) LEU2***	This Study
YBB1688	**YBB0242 *lys2::tP(UGG)G38U (YNCL0001W) LEU2***	This Study
YBB0800	**BY4741 with *lys2: tL(GAG) LEU2 lys2* (*E. coli* EBB424 StuI cut)**	This Study
YBB0814	**YBB0242 with lys2: tL(GAG) LEU2 lys2 (*E. coli* EBB424 StuI cut)**	This Study
YBB1466	**BY4741 with *lys2: tL(GAG)U33C LEU2 lys2* (*E. coli* EBB529 StuI cut)**	This Study
YBB1481	**YBB0242 with *lys2: tL(GAG) U33C LEU2 lys2* (E. coli EBB424 StuI cut)**	This Study
YBB1670	**YBB0242 with *lys2: tP(UGG) LEU2* from EBB543 (StuI)**	This Study
YBB1677	**YBB0242 with *lys2: tP(CGG) anticodon mutations LEU2* from EBB553 (StuI)**	This Study
YBB1688	**YBB0242 with *lys2: tP(UGG) G39U mutation LEU2* from EBB564 (StuI)**	This Study
YBB0930	**YBB775 with *tP(UGG)F U34C* mutation**	This Study

YBB1080	**YBB776 with *tP(UGG)F U34C* mutation**	This Study
YBB0984	**YBB775 with *tP(UGG)L U34C* mutation**	This Study
YBB0995	**YBB776 with *tP(UGG)L G39U* mutaion**	This Study
YBB0949	**YBB775 with *tP(UGG)M U34C* mutation**	This Study
YBB1074	**YBB776 with *tP(UGG)N1 U34C* mutation**	This Study
YEVN4373	**YBB0242 with EEVN634 plasmid *(RPL7A URA3 CEN)***	This Study
YEVN4381	**YBB0242 with EEVN646 plasmid (*RPL36B URA3 CEN)***	This Study
YEVN4391	**YEVN4373 *rpl7AΔ::Kan* (*RPL7A URA3 CEN*)**	This Study
YEVN4408	**YEVN4373 *rpl7AΔ::Kan* (*RPL7A URA3 CEN*)**	This Study
YEVN4395	**YEVN4381 with *rpl36BΔ::Kan (RPL36B URA3 CEN*)**	This Study
YEVN4400	**YEVN4381 with *rpl36B::ΔKan* (*RPL36B URA3 CEN*)**	This Study
YEVN4270	**YBB0242 with (*RPL1B URA3 CEN*)**	This Study
YEVN4298	**YEVN4270 with *rpl1BΔ::KanR***	This Study
YAH894	**BY4741 HIS3+**	DeZoysa 2024
YAH939	**YAH894-1a *rps0AΔ:: KanR***	DeZoysa 2024
YAH940	**YAH894-1a *rps22AΔ::KanR***	DeZoysa 2024
YAH941	**YAH894-1a *rps28AΔ::KanR***	DeZoysa 2024
YEVN4725	**YBB0242 with *SCH9-Klactis URA5* integrated (EEVN673)**	This study
YEVN4842	**YBB0242 with *sch9 N543S -Klactis URA5* integrated (EEVN689)**	This study
YEVN4864	**YBB0242 with with *sch9 Q618**-Klactis URA5 integrated (EEVN691)**	This study