

S1 Table. Ribosome profiling data and yeast strains.

Sample	SRR Run	Yeast strain	Notation in this paper	Genotype	Culture media	CHX in lysis buffer
<i>eRF1</i> temperature-sensitive mutant (This study): GSE162780						
GSM4959785, GSM4959786, GSM4959787, GSM4959788	SRR13208091, SRR13208092, SRR13208093, SRR13208094	WT (HFY114)	<i>SUP45</i>	<i>MATa ade2-1 his3-11,15 leu2-3,112 trp1-1 ura3-1 can1-100</i>	YPD	No
GSM4959789, GSM4959790, GSM4959791, GSM4959792	SRR13208095, SRR13208096, SRR13208097, SRR13208098	<i>eRF1</i> ts mutant (HFY1218)	<i>sup45-ts</i>	<i>MATa ade2-1 his3-11,15 leu2-3,112 trp1-1 ura3-1 can1-100 sup45-2</i>	YPD	No
<i>eRF1</i> depletion (Wu et al., 2019): GSE115162						
GSM3168380, GSM3168381	SRR7241903, SRR7241904	WT (yCW30)	<i>SUP45-D</i>	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 HO::ADH1p-OsTIR1-URA3</i>	YPGR → YPD + 0.5mM auxin	Yes
GSM3168385, GSM3168386	SRR7241908, SRR7241909	<i>eRF1</i> depleted (yKW13)	<i>sup45-d</i>	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 KanMX4:P_{GAL}1-SUP45</i>	YPGR → YPD	Yes
<i>Rli1</i> depletion (Young et al., 2015): GSE69414						
GSM1700885	SRR2046309, SRR2046310	WT (BY4741)	<i>RLI1-D</i>	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0</i>	YPG → YPD	Yes
GSM1700886, GSM1700891	SRR2046311, SRR2046312, SRR2046319	<i>Rli1</i> depleted (YDH369)	<i>rli1-d</i>	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 lys2Δ0 rli1Δ::kanMX4 pDH181 (P_{GAL}-UBI-R-FH-RLI1, LEU2)</i>	YPG → YPD	Yes