Supplementary Data Sets and Tables for Ferretti et al.

Supplementary Data Set 1

Enrichment of mRNAs between ribosome pools.

Supplementary Data Set 2

Related to Figure 1

GO-terms associated with mRNAs enriched in the ΔRps26 and WT ribosomes.

Table S1: Yeast strains used in this work.

Strain	Description	Background	Genotype	Reference
yKK73	ΔLtv1	BY4741	*MATα Ltv1::KanMX6 his3Δ1 leu2Δ0 met15Δ0 ura3Δ0*	GE Dharmacon
yKK135	Rps3-TAP	BY4741	*MATα Rps3-TAP::HisMX6 leu2Δ0 met15Δ0 ura3Δ0*	GE Dharmacon
yKK200	WT	BY4741	*MATα his3Δ1 leu2Δ0 met15Δ0 ura3Δ0*	Euroscarf
yKK489	GAL::Rps17	BY4741	*MATα NatMX6::pGAL1-Rps17B Rps17A::KanMX6 his3Δ1 leu2Δ0 met15Δ0 ura3Δ0*	This study
yKK491	GAL::Rps26	BY4741	*MATα NatMX6::pGAL1-Rps26A Rps26B::KanMX6 his3Δ1 leu2Δ0 met15Δ0 ura3Δ0*	This study
yKK493	GAL::Rps3	BY4741	*MATα KanMX6::pGAL1-Rps3 his3Δ1 leu2Δ0 met15Δ0 ura3Δ0*	This study
yKK636	GAL::Rps26/Rps3	BY4741	*MATα HisMX6::pGAL1-Rps3 NatMX6::pGAL1-rps26A rps26B::KanMX6 his3Δ1 leu2Δ0 met15Δ0 ura3Δ0*	This study

Table S2: Plasmids used in this work.

Plasmid	Description	Backbone	Note	Detail
pKK3792	TET:Rps26A	pCM189		
pKK3968	TET:Rps17A	pCM189		
pKK4015	TET:Rps3	pCM189		
pKK3566	TET::Rps3-TAP	pCM189		
pKK3678	3HA-Rim101	pRS415	Hayashi *et* al, 2005	
pKK3782	Firefly	pRS413	A_{10}	AAAAAAAAAA<u>ATG</u>
pKK3700	*Renilla*	pRS415	A_{10}	AAAAAAAAAA<u>ATG</u>
pKK3872	*Renilla*	pRS415	-7 to -10 G	GGGGAAAAAA<u>ATG</u>
pKK3771	*Renilla*	pRS415	-3 C	AAAAAAACAA<u>ATG</u>
pKK3869	*Renilla*	pRS415	-4 G	AAAAAAGAAA<u>ATG</u>
pKK3766	*Renilla*	pRS415	-1 G	AAAAAAAAAG<u>ATG</u>
pKK3849	*Renilla*	pRS415	-2 G	AAAAAAAAGA<u>ATG</u>

Table S3: qPCR primers used in this work.

Gene	Systematic	Ribosome enrichment	Type	Sequence
Sam3	YPL274W	+Rps26	FW	CCTTGTTGCGGTTGTGTCAG
			RV	GTCCTCCTTTTTCGAGGCCA
Pgk1	YCR012W	+Rps26	FW	GCTGCTTTGCCAACCATCAA
			RV	GGCTTCAACTTCTGGACCGA
Stm1	YLR150W	+Rps26	FW	ACGCTGACGTTGTCGTTTTG
			RV	TTCTTGGTGGTGGCAGAGTC
Rpl3	YOR063W	+Rps26	FW	TGGTTTCGTCCACTACGGTG
			RV	GCTTTTCAGCTGGGGTTTGG
Asc1	YMR116C	+Rps26	FW	GGTGCTTACGCTTTGTCTGC
			RV	ACATCGGACTTGTGACCGAC
Abf1	YKL112W	ΔRps26	FW	AACACTCATCCGGACGACAC
			RV	ACCATGAGTAGGACCGCTCT
Gpr1	YDL035C	ΔRps26	FW	CCTTGGAGTGCATGGTGCTA
			RV	CCAGTGACCGAGCCCAAATA
Bop2	YLR267W	ΔRps26	FW	TTCGAGAGGTGGTGGCTCTA
			RV	TTCTGGGCCTTGTCAGCATT
Mtl1	YGR023W	ΔRps26	FW	TCGGTTGTGTGGTTGGCATA
			RV	CGATGGGGGAATCTGAGCTG
Sda1	YGR245C	ΔRps26	FW	GAGCAGCTATGCTCCCAACA
			RV	AGAATCACCTCCAGCAAGCC
Mec1	YBR136W	ΔRps26	FW	GCGTTGGGCATAATTGGGAC
			RV	CTGTTTGGCCAGCAACACTC
Eap1	YKL204W	ΔRps26	FW	CAAGAGGAAACAGCAACGCC
			RV	GGGAACCCCTGTGGTAATGG
Rox1	YPR065W	ΔRps26	FW	CACGACCCTTCAACGAGACA
			RV	CGCAGTTGTTGTGGATGTGG
Rpl25	YOL127W		FW	ATGCTTCCAAGGCTGTTCCA
			RV	TCCTTGACGGCCTTCTTGAT
Firefly luciferase			FW	TCGAAAGAAGTCGGGGAAGC
			RV	TCATCCCCCTCGGGTGTAAT
Renilla luciferase			FW	GGTAACGCGGCCTCTTCTTA
			RV	CCAGATTTGCCTGATTTGCCC