

1 **Table S1. *S. pombe* strains used in this study**

Strain name	Parent strain	Genotype	Source
YMT 599		WT	[1]
YMT 621	YMT 599	<i>trm6Δ::kanR</i>	This study
YMT 654	YMT 599	<i>trm61Δ::kanR</i>	This study
YMT 652-4A	YMT 621	<i>trm6Δ::kanR sup9 dhp1-5 (dhp1-S737P)</i>	This study
YMT 828-3A	YMT 621	<i>trm6Δ::kanR sup18 tol1-1 (A151D)</i>	This study
YMT 828-6B	YMT 621	<i>trm6Δ::kanR sup25 dhp1-6 (Y669C)</i>	This study
YMT 741	YMT 599	<i>ura4<sup>+</sup>::dhp1<sup>+</sup></i>	This study
YMT 722	YMT 599	WT <i>ura4<sup>+</sup></i>	This study
YMT 742	YMT 621	<i>trm6Δ::kanR ura4<sup>+</sup></i>	This study
YMT 723	YMT 621	<i>trm6Δ::kanR ura4<sup>+</sup>::dhp1<sup>+</sup></i>	This study
YMT 743	YMT 652-4A	<i>trm6Δ::kanR dhp1-5 ura4<sup>+</sup>::dhp1<sup>+</sup></i>	This study
YMT 872	YMT 652-4A	<i>trm6Δ::kanR dhp1-5 ura4<sup>+</sup></i>	This study
YMT 731	YMT 599	<i>imt06Δ::hygR</i>	This study
YMT 732	YMT 621	<i>trm6Δ::kanR imt06Δ::hygR</i>	This study
YMT 807	YMT 732	<i>trm6Δ::kanR imt06Δ::hygR ura4<sup>+</sup>::imt06<sup>+</sup></i>	This study
YMT 733-1C	YMT 732	<i>trm6Δ::kanR imt06Δ::hygR sup26 dhp1-9 (L743R)</i>	This study
YMT 733-1F	YMT 732	<i>trm6Δ::kanR imt06Δ::hygR sup27 dhp1-10 (S697C)</i>	This study
YMT 733-2A	YMT 732	<i>trm6Δ::kanR imt06Δ::hygR sup29 dhp1-8 (G373D)</i>	This study
YMT 733-2D	YMT 732	<i>trm6Δ::kanR imt06Δ::hygR sup30 dhp1-8 (G373D)</i>	This study
YMT 733-2G	YMT 732	<i>trm6Δ::kanR imt06Δ::hygR sup31 dhp1-12 (366 ins)</i>	This study
YMT 733-3A	YMT 732	<i>trm6Δ::kanR imt06Δ::hygR sup32 dhp1-7 (R177P)</i>	This study
YMT 733-3B	YMT 732	<i>trm6Δ::kanR imt06Δ::hygR sup33 dhp1-11 (Y178S)</i>	This study
YMT 733-3E	YMT 732	<i>trm6Δ::kanR imt06Δ::hygR sup34 dhp1-11 (Y178S)</i>	This study
YMT 734-1E	YMT 732	<i>trm6Δ::kanR imt06Δ::hygR sup36 tol1-2 (A297D)</i>	This study
YMT 845	YMT 621	<i>trm6Δ::kanR cid14Δ::hygR</i>	This study
YMT 846	YMT 599	<i>cld14Δ::hygR</i>	This study

3 **References**

- 4 1. De Zoysa T, Phizicky EM. Hypomodified tRNA in evolutionarily distant yeasts can trigger rapid  
5 tRNA decay to activate the general amino acid control response, but with different consequences.  
6 PLoS Genet. 2020;16(8):e1008893.