

Table S1: Fission yeast strains used in this study.

Strain	Species	Genotype	Origin
PN3779	<i>S. pombe</i>	<i>cut11-GFP::ura4+ leu1-32 ura4-D18 h+</i>	Lab collection
PN3803	<i>S. pombe</i>	<i>cdc11-119 cut11-GFP::ura4+ leu1-32 ura4-D18 h-</i>	Lab collection
NIG8181	<i>S. japonicus</i>	<i>mat6j-2017 cut11-GFP::natR h+</i>	(Aoki et al., 2011)
PN10423	<i>S. pombe</i>	<i>pom1Δ::ura4+ cut11-GFP::ura4+ h-</i>	Lab collection

Aoki, K., Hayashi, H., Furuya, K., Sato, M., Takagi, T., Osumi, M., Kimura, A. and Niki, H. (2011). Breakage of the nuclear envelope by an extending mitotic nucleus occurs during anaphase in *Schizosaccharomyces japonicus*. *Genes Cells* 16, 911-926. doi:10.1111/j.1365-2443.2011.01540.x

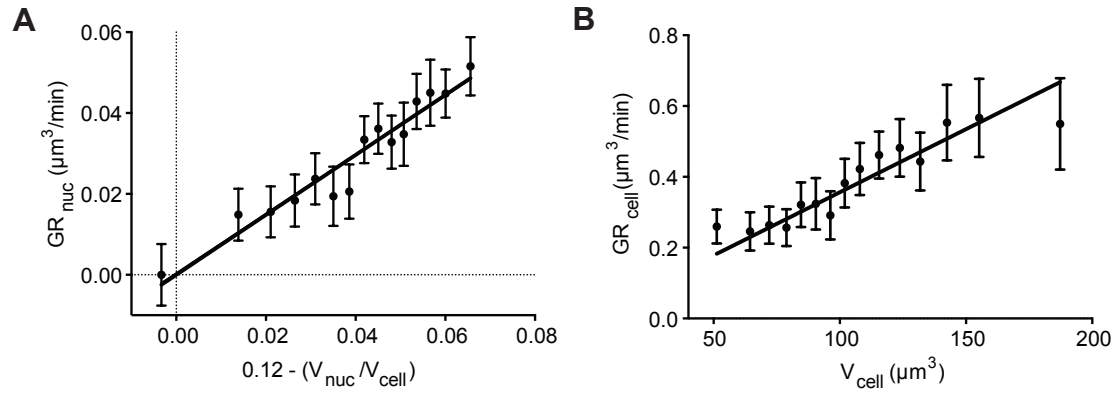


Figure S1: Data derived from *pom1* Δ dataset in Fig. 4. (A) Mean nuclear growth rate (GR_{nuc}) cohorted by $\left(0.12 - \frac{V_{nuc}}{V_{cell}}\right)$. (B) Mean cellular growth rate (GR_{cell}) cohorted by cell volume (V_{cell}). 95% confidence limits (15 cohorts, ≥ 100 time bins per cohort) and linear regression lines shown.