

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

Strain	Genotype	Source
JP3	<i>h<sup>-</sup> 972</i>	Lab stock
JP57	<i>h<sup>-</sup> plo1.S402A</i>	Lab stock
JP350	<i>h<sup>+</sup></i>	Lab stock
JP567	<i>h<sup>-</sup> cdc2-1w</i>	(Thuriaux et al., 1978)
JP568	<i>h<sup>-</sup> cdc2-3w</i>	(Fantes, 1981)
JP1377	<i>sin1::kanMx6</i>	<i>sin1::kanMx6</i> from (Ikeda et al., 2008)
JP1491	<i>tor1::ura4<sup>+</sup> ura4-D18</i>	<i>tor1::ura4<sup>+</sup></i> from (Matsuo et al., 2003)
JP2337	<i>cdr2::ura4<sup>+</sup> ura4-D18</i>	<i>cdr2::ura4<sup>+</sup></i> from (Bimbo et al., 2005)
JP1662	<i>h<sup>+</sup> nmt81-GFPwee1</i>	(Moseley et al., 2009)
JP1670	<i>h<sup>+</sup>cdc25:12myc-ura4<sup>+</sup> ura4-D18</i>	<i>cdc25:12myc.ura4<sup>+</sup></i> from (Lopez-Girona et al., 1999)
JP1669	<i>h<sup>+</sup> tor2-G2040D</i>	This study
JP1731	<i>h<sup>-</sup> maf1pk-kanMx6</i>	Lab stock
JP1763	<i>h<sup>-</sup>maf1pk-kanMx6 tor2-G2040D</i>	This study
JP2081	<i>tor2-G2040D nmt81-GFPwee1</i>	This study
JP2089	<i>h<sup>+</sup> tor2::ura4<sup>+</sup> ura4-d18 leu1-32</i> <i>pREP42NAT-tor2</i>	This study <i>tor2::ura4<sup>+</sup></i> from (Weisman et al., 2007)

JP2090	$h^+$ <i>tor2::ura4+ ura4-d18 leu1-32</i> <i>pREP42NAT-tor2-G2040D</i>	This study
JP2177	<i>cdr2::ura4+ nmt81-GFPwee1</i> <i>ura4-d18</i>	This study
JP2377	<i>plo1.S402A nmt81-GFPwee1</i>	This study
JP2363	$h^+$ <i>cdr2::ura4+ plo1.S402A</i> <i>ura4.D18</i>	This study
JP2405	<i>cdr2::ura4+ plo1.S402A nmt81-</i> <i>GFPwee1</i>	This study
JP2411	$h^-$ <i>cdc2::ura4+ leu1.32 ura4.D18</i> <i>mns21L-cdc2.F15 integrated</i>	Paul Nurse D832

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