



B.

Strain	-MMS	+MMS
wildtype	13.9±1.5	18.7±2.8
<i>dis2Δ</i>	13.4±1.1	30.9±4.9
<i>sds21Δ</i>	13.8±1.2	19.6±3.4
<i>dis2-11</i>	14.2±1.2*	30.8±4.3**

*21.0±0.8% mitosis, 12.3±0.9% cuts

**0±0% mitosis, 0±0% cuts

Supplementary Figure 1. (A) The indicated strains were grown at 30°C, and serial dilutions were spotted onto YES agar containing no drug, 0.01% MMS or 60ng/ml 4-NQO, and incubated at 22°C or 30°C; (B) Cultures were grown at 30°C, then shifted to 20°C and incubated in the absence or presence of 0.01% MMS for 16 hours. Cells were fixed and measured for average cell length ± standard deviation (μm, n = 25)