

**Figure S4: Titration of Bleomycin.** Wild-type (yFS940) and  $cds1\Delta$  (yFS941) cells were synchronized and released into S phase with different concentrations of bleomycin 16.5 $\mu$ M, 23.79 $\mu$ M, 47.9  $\mu$ M or left untreated. S phase progression was monitored by taking samples every 20 minutes for flow cytometry.