



Figure S1 BrdU and EdU dose affects cell viability (refer to Figures 1 and 2). **A.** Relative viability of *hsv-tk⁺ hENT⁺* wild-type, *cds1Δ*, *chk1Δ*, and *rad3Δ* cells at 16.3 μM BrdU (compare with Figure 1B) with non-incorporating (N.I.) control. Shown are the means of two independent experiments ±SEM. **B.** As in A, viability in lower dose EdU (5 μM) (compare with Figure 1D). Shown are the means of two independent experiments ±SEM. **C.** Spot tests on poor-nitrogen source medium PMG for non-incorporating wild-type (wt) and *hsv-tk⁺ hENT⁺* cells of indicated genotype (compare with Figure 2).