Figure S12

12-Length of IdU labeled 10-8 forks in kb Y = 0.5517 \* X + 0.55216  $r^2 = 0.9820$ 4 2-0-20 10 15 5 0 Length of IdU pulse in minutes

**Figure S12: Estimation of lag in analog incorporation.** Cells were pulse labeled with 2  $\mu$ M CldU for 5 minutes and chased with 20  $\mu$ M IdU for varying lengths of time: 3, 4, 5, 6, 7, 8, 10, 14, 16 minutes. At least 100 forks were collected for each time point except for 3 and 4 minutes of IdU labeling for which only 11 and 44 forks were measured, respectively, due to lack IdU labeled forks at such short lengths of labeling period.

Estimation of lag in analog incorporation in wild-type