Figure S4. Relative mutation rates at all bases, only G/C bases, and only A/T bases with respect to (A) 1-kb local GC content and (B) replication time during cell cycle. Categories were defined by obtaining bins that contain roughly equal numbers of SNMs. G/C content has no effect on local mutation rate (Pearson’s r; all base pairs: r = 0.384, p = 0.175; A:T base pairs: r = -0.135, p = 0.645; G:C base pairs: r = 0.523, p = 0.054). Intermediate replication times (75 – 76 minutes) were associated with slightly lower mutation rates, however this difference was not statistically significant (one sample t-test; all base pairs: t = 0.89, p = 0.469; A:T base pairs: t = 1.57, p = 0.256; G:C base pairs: t = 2.11, p = 0.170).