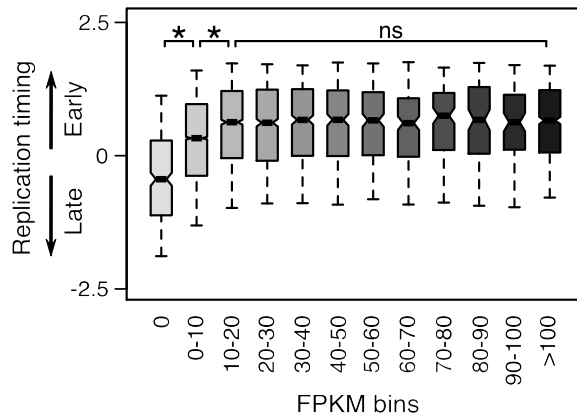
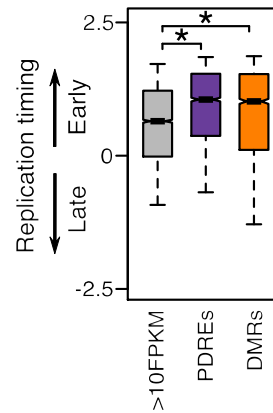


A



B



Supplemental Fig S4. Replication Timing of Enhancers and Genes of Various Expression Levels, Related to Figure 3. (A) Replication timing of genes in twelve categories based on RNA-seq expression levels (FPKM bins). Non-detectable genes (0 FPKM) are late replicating. Genes expressed at low levels (1-10 FPKM) are significantly earlier replicating than non-detectable genes. Genes expressed at higher levels (10-20 FPKM) are significantly earlier replicating than low-level expressed genes. At expression levels above 10 FPKM, replication timing does not change significantly. * $p < 0.0001$, ANOVA with post-hoc corrections, ns=all pairwise comparisons of FPKM bins above 0-10 not significant (Pauli et al., 2010) (B) The median replication timing of enhancers (PDREs and DMRs) is significantly earlier than highly expressed genes (>10 FPKM). * $p < 10^{-5}$, t-tests with Bonferroni corrections (Bogdanovic et al., 2012, Pauli et al. 2012, Lee et al., 2015) FPKM = Fragments Per Kilobase of transcript per Million mapped reads. Box plots show the median (line), 95% confidence interval (notch), 25-75th percentile (box), and 10-90th percentile (whiskers)