

Figure 6.10: The ratio of immunoprecipitated DNA: Input DNA plotted with replication timing ratio, against position on chromosome 22. Red: Histone enrichment, Blue: Replication timing. A: Histone H3 enrichment, B: Histone H4 enrichment.

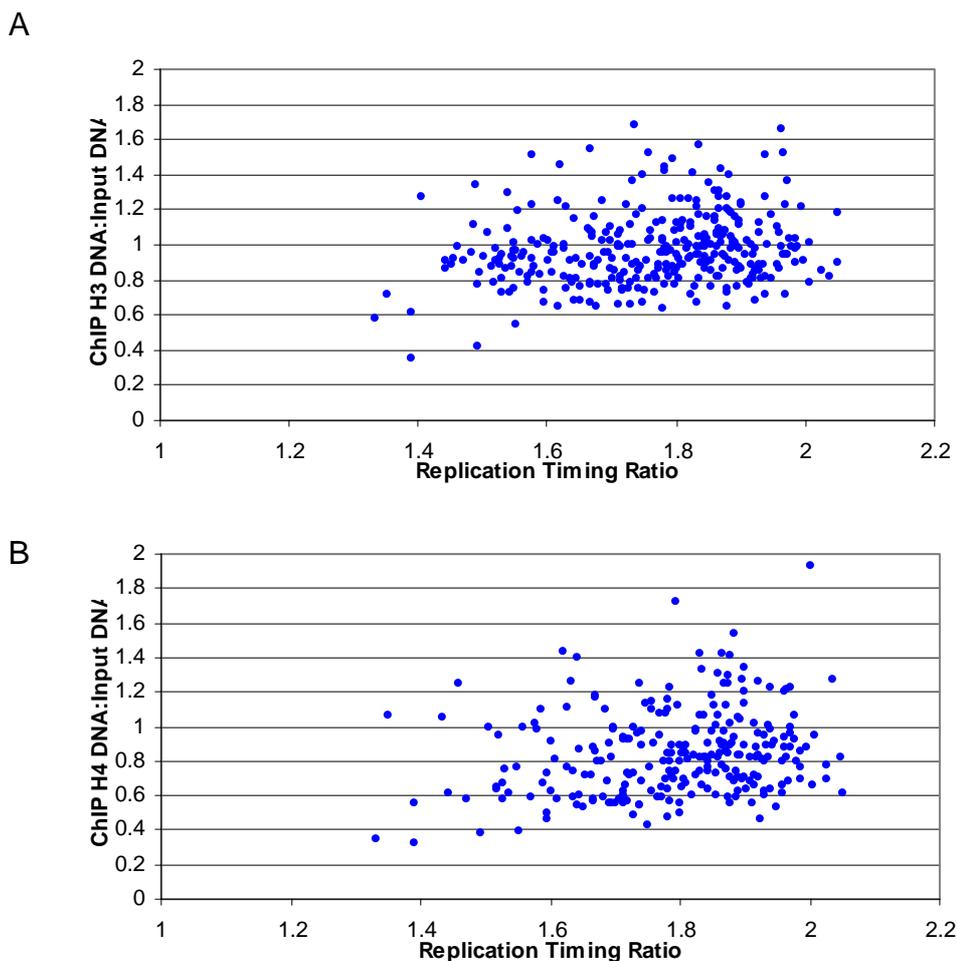


Figure 6.11: Correlation between replication timing and histone acetylation. A: Correlation with H3 acetylation, B: Correlation with H4 acetylation.

Linear regression was performed and the correlation between histone acetylation and replication timing is shown in Table 6.3.

Table 6.3: Linear regression statistics performed when replication timing was plotted versus Histone acetylation enrichment levels.

Histone Acetylation	Intercept	Regression coefficient	Correlation coefficient
H3	0.48	0.28	0.21
H4	0.25	0.34	0.16

Linear regression was also performed to correlate histone acetylation with other genome parameters.