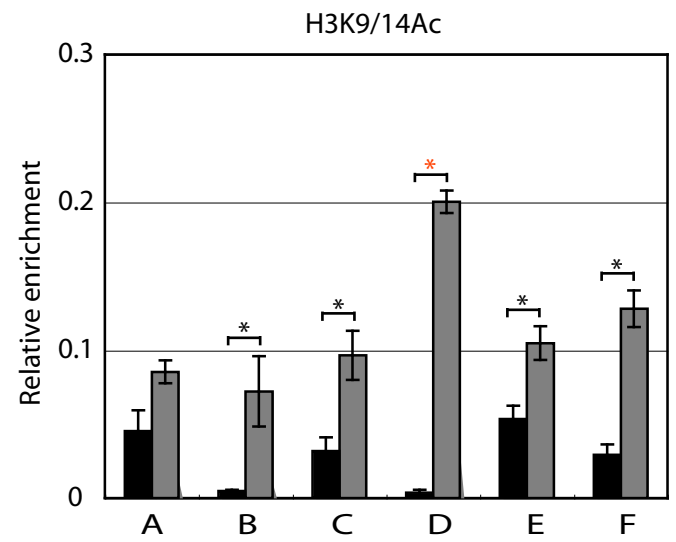
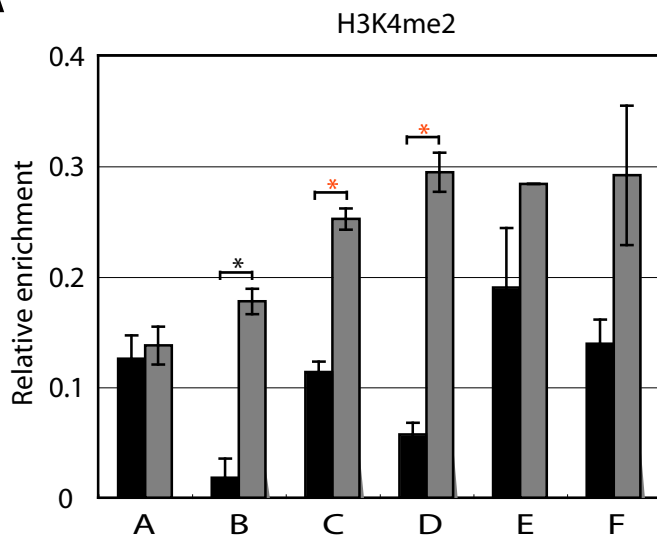
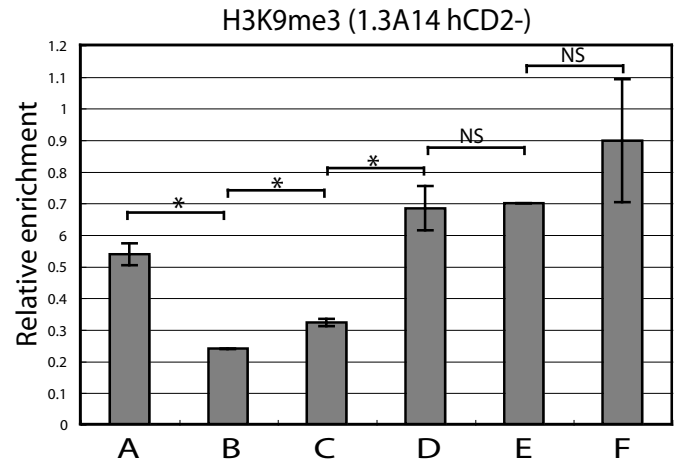
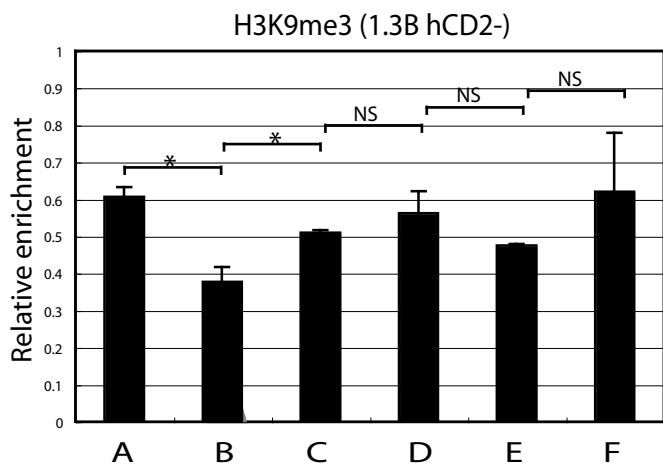


A



B



C



CD2 1.3B hCD2-

CD2 1.3A14 hCD2-

Figure S3:

- (A) Comparison of the H3K4me2 and H3Ac level along the hCD2 transgene locus between CD2 1.3B and CD2 1.3A14 hCD2- T cells. Black and grey bars represent enrichment of each histone modification in CD2 1.3B and CD2 1.3A14 hCD2- T cells respectively. Statistical significance of differences in the H3K4me2 and H3Ac level between the CD2 1.3B and CD2 1.3A14 transgenic mice is shown by asterisks (black asterisks = $p < 0.05$, red asterisks = $p < 0.005$ by Students t-test; error bars = S.D.). For the locations of region A-F, see (C) in this figure.
- (B) Patterns of H3K9me3 differ between CD2 1.3B and CD2 1.3A14 hCD2- T cells. Black and grey bars represent enrichment of H3K9me3 in CD2 1.3B and CD2 1.3A14 hCD2- T cells respectively. The dip seen in K9me3 levels extends from A-C in the case of 1.3B CD2- cells whereas in CD2 1.3A14 – cells this dip extends further from A-D. Statistical significances of differences in the H3K9me3 level between ‘adjacent’ regions along the hCD2 transgene locus is shown by black asterisks ($p < 0.05$; NS=not significant by t-test).
- (C) Schematic diagram of hCD2 transgene locus. Locations of the primers used for ChIP assays are indicated with black bars and letters at the bottom.