FIGURE S10.—Boxplots of sequence divergence between pairs of species for orthologous regions associated with H3K4me3 in only one (“Diff.”) or both (“Shared”) species. We performed this comparison separately for H3K4me3-associated regions near (within 1kb) or distal to (further than 1kb) TSS. (A) Comparisons between human and chimpanzee. (B) Comparisons between human and rhesus macaque, and chimpanzee and rhesus macaque. Both pairwise comparisons with rhesus macaque were combined because they represent equal evolutionary distance. P-values are determined by a median permutation test (see Supporting Methods). (C and D) Same as A and B, but with a more relaxed sequence identity used in mapping peaks across species (see Supporting Methods).