



Supplemental Figure S12: Reduced CTCF binding upon targeted methylation to core binding site

(A) Genome browser display of the targeted CTCF binding site in a *CCDC85C* intron. Sets of experiments include (from top to bottom): bsPCR-seq (mCG/CG), CTCF-ChIP-bs-seq (mCG/CG), CTCF-ChIP-bs-seq coverage and CTCF ChIP-seq coverage. The CTCF core binding site is highlighted in green. (B) Quantitation of mCG/CG in the CTCF core binding site (green shaded region) and adjacent to core binding site comparing targeted bsPCR-seq (gray circles) to ChIP-bs-seq (orange circles for α GCN4-D3A and yellow circles for α GCN4-D3AMut). (C) Quantitation of CTCF CPM normalized ChIP-seq peak at *CCDC85C* (replicates $n=2$, sd - error bars, statistic edgeR, Benjamini-Hochberg multiple test corrected p-values).