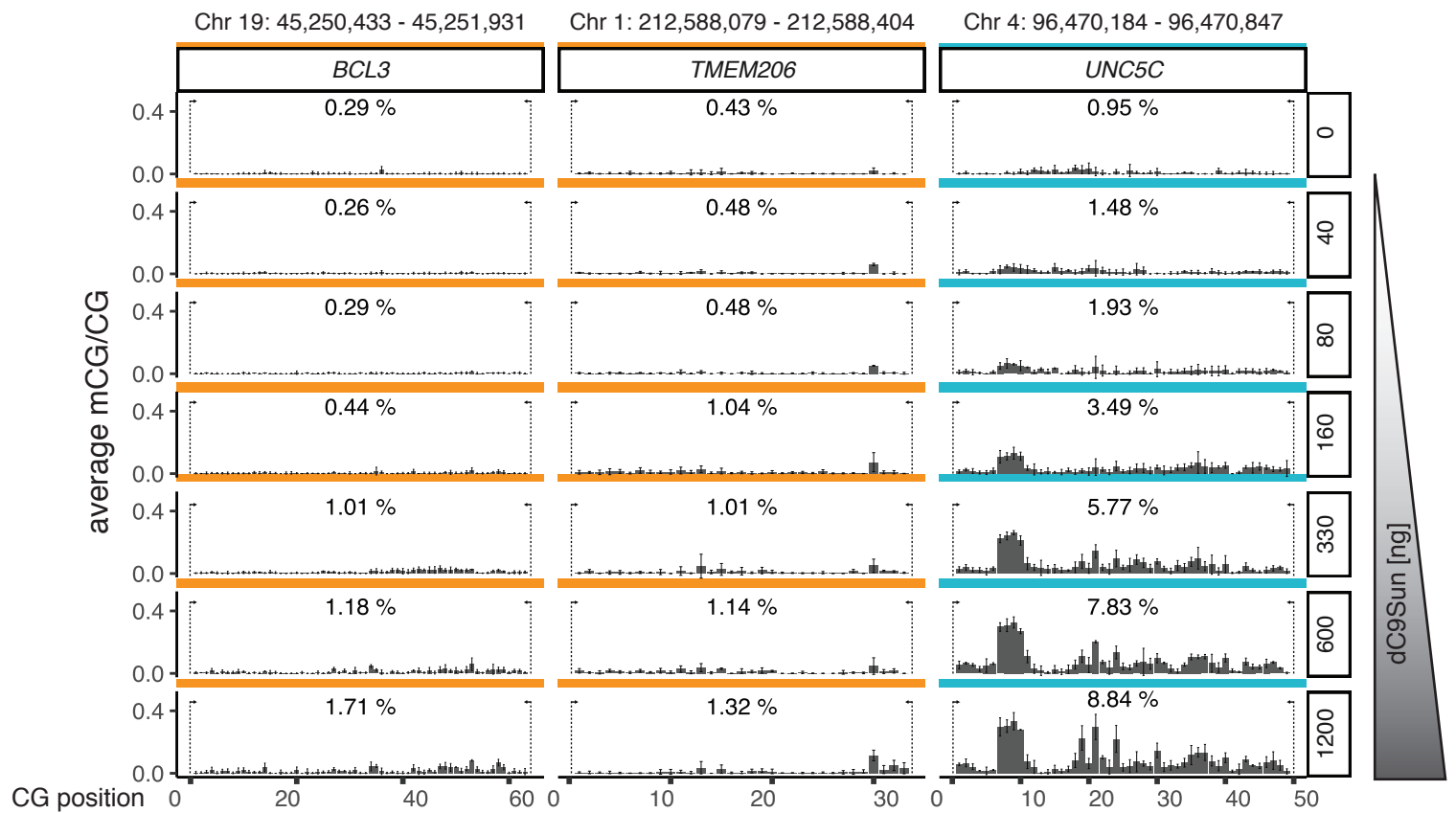


mCG/CG deposition after dC9Sun titration



Supplemental Figure S1: Characterizing on-target and off-target deposition after dC9Sun titration

Titration of dC9Sun (0-1200 ng) with a constant amount of α GCN4-D3A effector (D3A - human DNMT3A catalytic domain, 40 ng). Fraction mCG is shown in black bars, sd - error bars, biological replicates n=3. On-target (*UNC5C* promoter) is highlighted in blue, off-target (*BCL3* promoter and *TMEM206* promoter) is highlighted in orange. Average gain in mCG is indicated as Δ percent mCG/CG (baseline subtracted). CGs used for calculation are indicated by dotted lines. Cells were harvested at 48h post-transfection. No puromycin selection was performed since the resistance was linked to dC9Sun plasmid.