



**Supplemental Figure S14: Comparison of CG island mCG changes with dC9Sun-D3A between the Huang *et al.* study and this study**

Huang *et al.* used a lentiviral dC9Sun with DNMT3A1 full length protein compared to the modular plasmid based system with dC9Sun-D3A (catalytic domain of DNMT3A). 35 CG islands gained mCG and 30 CG islands lost mCG out of 5,982 CG islands covered ( $\Delta$ mCG change  $\geq 0.2$ ) in the Huang *et al.* study. 3 CG islands gained mCG and 3 CG islands lost mCG out of 25,459 CG islands covered ( $\Delta$ mCG change  $\geq 0.2$ ) in this study.