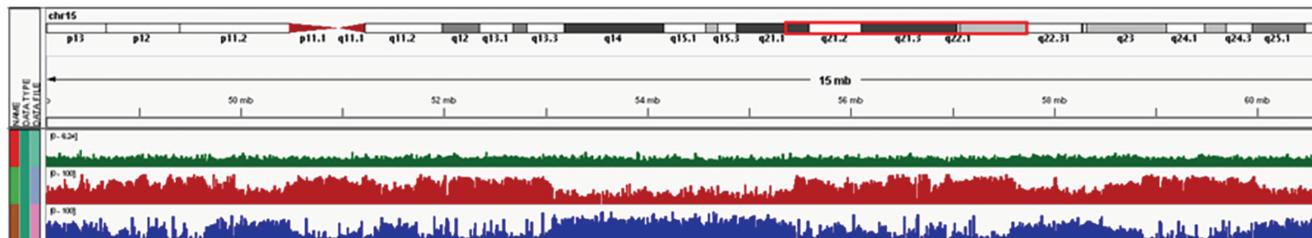


A: Bisulfite-Treated Lymphoblastoid DNA



B: Bisulfite-Treated HeLa Hypermethylated DNA

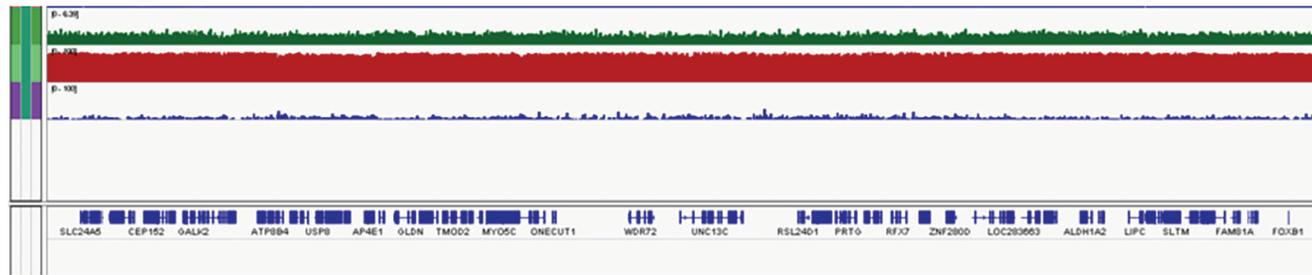


Figure 2: CpG Methylation Patterns. A) Example of methylation across a region of chromosome 1 indicates high CpG methylation (red) and regions of low CpG methylation (blue) from 50 ng input GM12878 lymphoblastoid genomic DNA treated with bisulfite. B) For the hypermethylated HeLa genomic DNA, the majority of CpGs detected were methylated, as seen in red. The IGV plots shown are based on forward reads for each sample.

AAAGAATGATAACAGTAAACACACTTCTGTTAACCTTAAGATTACTTGATCCACTGATTC AACGTACCGTAAACGAACGTATCAATTGAGACTAAATATTAACGTACCATTAAAGAGCTACCGTCTTCTGTTAACCTTAAGATTACTTGATCCACTGATTC
AATCAACGTACCGTAAACGAACGTATCAATTGAGATTACTTGATCCACTGATTC AACGTACCGTAAACGAACGTATCAATTGAGACTAAATATTAACGTACCATTAAAGAGCTACCGTCTTCTGTTAACCTTAAGATTACTTGATCCACTGATTC
AACGACGAAAAGAATGATAACAGTAAACACACTTCTGTTAACCTTAAGATTACTTGATCCACTGATTC AACGTACCGTAAACGAACGTATCAATTGAGACTAAATATTAACGTACCATTAAAGAGCTACCGTCTTCTGTTAACCTTAAGATTACTTGATCCACTGATTC
TTAAGGTACCATTAAAGAGCTACCGTCTTCAACAGTAAACACACTTCTGTTAACCTTAAGATTACTTGATCCACTGATTC AACGTACCGTAAACGAACGTATCAATTGAGACTAAATATTAACGTACCATTAAAGAGCTACCGTCTTCTGTTAACCTTAAGATTACTTGATCCACTGATTC
AAAAGATTGATAACAGTAAACACACTTCTGTTAACCTTAAGATTACTTGATCCACTGATTC AACGTACCGTAAACGAACGTATCAATTGAGACTAAATATTAACGTACCATTAAAGAGCTACCGTCTTCTGTTAACCTTAAGATTACTTGATCCACTGATTC
AAGATTACTTGATCCACTGATTC AACGTAAAGATTACTTGATCCACTGATTC AACGTACCGTAAACGAACGTATCAATTGAGACTTCTGTTAACCTTAAGATTACTTGATCCACTGATTC AACGTACCGTAAACGAACGTATCAATTGAGACTTACCAACGA
AACGTATCAATTGAGACTAAATATTAACGTACCATTAAAGAGTCTGTTAACCTTAAGATTACTTGATCCACTGATTC AACGTACCGTAAACGAACGTATCAATTGAGACTAAATATTAACGTACCATTAAAGAGCTACCGTCTTCTGTTAACCTTAAGATTACTTGATCCACTGATTC

