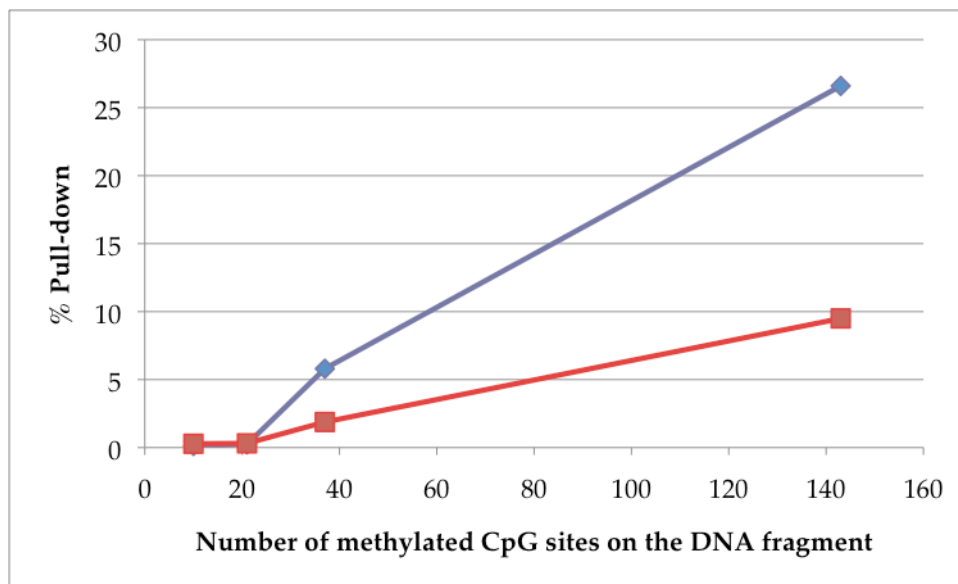


SUPPLEMENTAL FIGURE

Figure S1. Immunoprecipitation using antibody against 5-methylcytosine for DNA with various densities of CpG methylation. Two different concentrations of the antibody, 3 ng/ul (■) and 6 ng/ul (◆), were used in IP of 25 ul with 100 ng of target DNA. The DNA pull-down by the antibody is quantitated with q-PCR using a TaqMan probe for various regions of the DNA and using purified plasmid DNA of known quantities for a standard curve in the same qPCR experiment.



Supplemental Table 1 Three regions of mtDNA from HEK293 cells analyzed.

Region amplified	# of molecule sequenced	# of CpG sites	# of PCR reactions	Total # of CpG sites examined	# of methylated CpG detected	methylation frequency
16381 - 70	66	8	4	528	0	<0.19%
560 - 893	69	7	4	483	0	<0.20%
4250- 4569	68	7	4	476	0	<0.21%

Region amplified is based on the nucleotide position of the human mtDNA map

at www.mitomap.org.