

Figure Sup1. Methylation determination by bisulfate genomic PCR and automated sequencing. Total DNA from cells expressing the mitochondrial-targeted methylases were treated with sodium bisulfate and used as template to amplify the TERM mtDNA region. The oligonucleotide primers used were complementary to DNA sequences where the Cs are converted into Ts. Panel A shows that the amplification was specific for the NaHSO3. Panel B shows that GpC were partially converted to GpT in the 3147-3167 mtDNA region. All other Cs were completely converted to Ts. In contrast, the 3239-3256 mtDNA region was completely converted, indicating that the GpC were protected from the methyltransferase (panel C).