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## SUPPLEMENTARY DATA

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**Supplementary 1.** The regions of interest (ROI) with their sequences and primer sequences (forward and reverse). The single strand sequences of the ROI after bisulphite sodium conversion with the primers sequence (forward and reverse).

**Supplementary 2.** Reference Sequence: The Mitochondrial sequence (hg38:2013) shows all the 345 CG (underlined and bold **CG**) and 54 assessed sites indicated by red text with underlined and bold **CG**.