

Supplemental material

Title: Distribution and dynamics of mitochondrial DNA methylation in oocytes, embryos and granulosa cells

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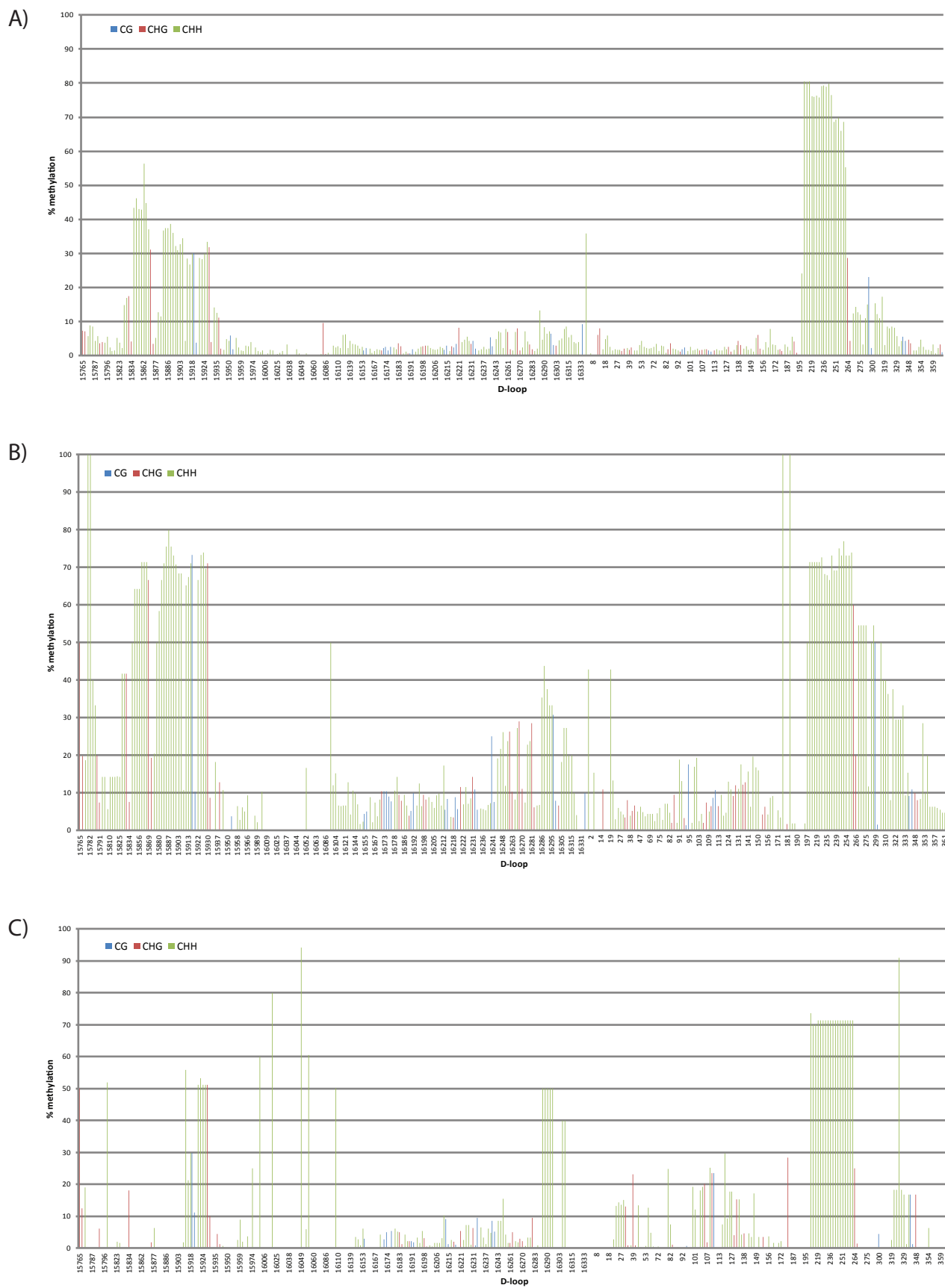
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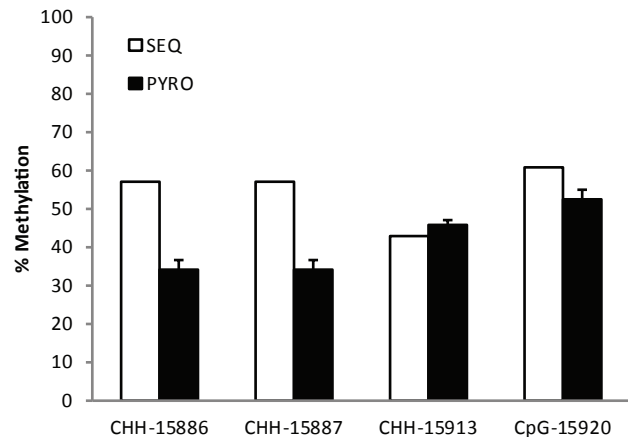
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Suppl. Table 1: Primers used for the pyro-sequencing reactions and mtDNA quantification

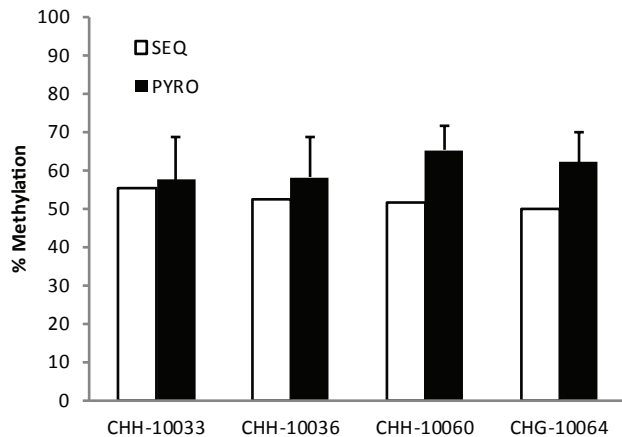
		Primers	Cytosine
D-Loop (pyro-sequencing)	F	5'-GTTTTGTAAATTAGAGAAGGAGAATAA-3'	CHH-15886
	R	5'-Biotin-ACATTAATATTATATACATTACCCCTT-3'	CHH-15887
	S	5'-GGATAATTTAATATAGAATTTGTATTT-3'	CHH-15913 CG-15920
MT-ND4L (pyro-sequencing)	F	5'-GTGGATTTGATTTTATAGGATTAGT-3'	CHH-10033
	R	5'-Biotin-TTCTAATCCTTTTTAAATTCATCATA-3'	CHH-10036
	S	5'-ATTTTTTTTATTTGATTTAGAAATT-3'	CHH-10060 CHG-10064
D-Loop	F	5'-GACATCTCGATGGACTAATGGCTAATCAG-3'	
	R	5'-CCTGTAACCATTGACTGTAATGTCC-3'	



A)



B)



Suppl fig 2 . Cytosine methylation at specific positions (CG, CHG or CHH type indicated) in bovine mtDNA as measured using bisulphite (white) and pyro-sequencing (black), the latter plotted with standard deviation (n = 6 individual blastocysts), A) D-Loop region, B) ND4 gene region.

