

Supplemental Material to:

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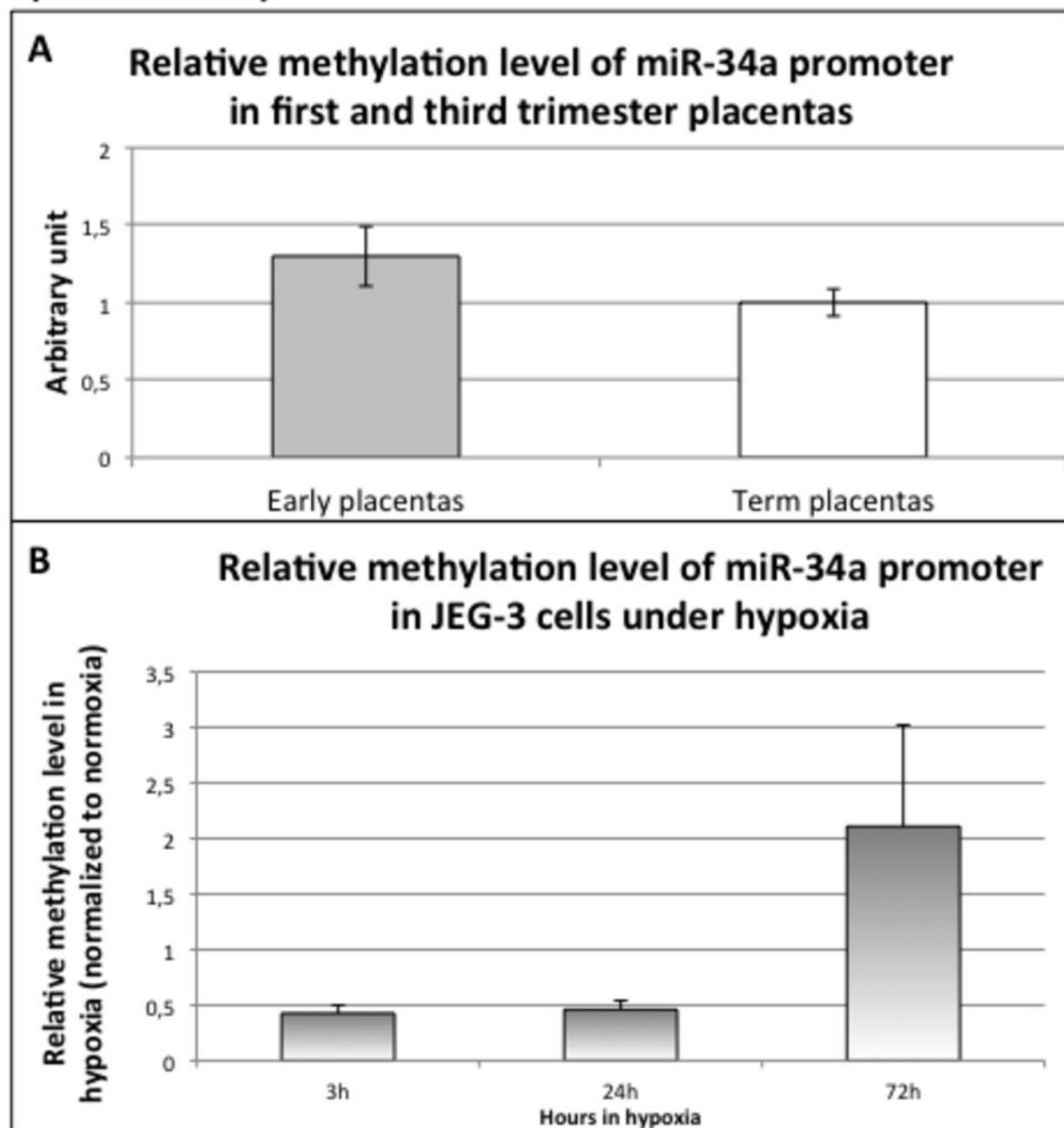
**miR-34a expression, epigenetic regulation, and function
in human placental diseases**

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Supplementary Figure 1 (Doridot et al)



Supplementary Figure 1. miR-34a promoter methylation in early placenta and cells submitted to 3, 24 or 72h of hypoxia. (A) Methylation was assessed by XbaI plus or minus HpaII digestion followed by quantitative PCR in 8 term control placentas (Term placentas), and 8 placentas from first trimester of pregnancy (Early placentas). The Ct values of each sample digested by XbaI and HpaII were normalized by those obtained for XbaI digested DNA. The methylation level obtained for the control placentas was arbitrary set to one. (B) Methylation was assessed by XbaI plus or minus HpaII digestion followed by quantitative PCR in cells submitted to 3, 24 and 72h of hypoxia (2% O₂) or under classical normoxic culture condition (20% O₂). The Ct values of each sample digested by XbaI and HpaII were normalized by those obtained for XbaI digested DNA. The methylation level obtained for the control placentas was arbitrary set to one. The graphical representation shows the relative expression in hypoxia compared to normoxia.

Supp Table 1

Name	Forward	Reverse
SDHA	TACAAGGTGCGGATTGATGA	CAAAGGGCTTCTTCTGTTGC
Cyclophilin A	GTCAACCCACCGTGTCTT	CTGCTGTCTTTGGAACCTTGT
5S RNA	GCCATACCACCTGAACG	TATTCCCAGGCGGTCTCC
Universal primer for reverse transcription after poly adenylation	CGAATTCTAGAGCTCGAGGCAGGCGACATGGCTGGCTAGTTAAGCTTGGTACCGAGCTCGGA TCCACTAGTCCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTV	
Pri-mir34	TTTAAGCTTATGCGCCCTGCC	TTTCTCGAGAGAGCTTCCGAAGTCCTGG
Genomic mir34a (for cloning)	AAGGTGGTGGTCTGGCTATG	CCAGGACTCCACGTTCATCT
Mir34a Promoter	CACGAGCAGGAAGGAGGAC	GAGCAGGTAGTGCAGGCTTC
Mature mir-34a	TGGCAGTGTCTTAGCTGGTTGT	CGAATTC TAGAGCTCGAGGCAGG
P53	CCCAAGCAATGGATGATTTGA	GGCATTCTGGGAGCTTCATCT
BCL2	CCCAAGCAATGGATGATTTGA	GGCATTCTGGGAGCTTCATCT
SERPINA3	AGCAGTGGGGCTCTCAGTAA	ATAAGCAGACAGGGCCACAC
SERPINA3 3'UTR (for cloning)	TGAGTGTGGTGGtctaga TGGAGACAAGGACCATTGTGCGTTTC	TGAGTGTGGTGGtctaga GTCCAACGAAATTATTTATTGCTGTC