

## SUPPLEMENTAL MATERIAL

### Intact fetoplacental growth in microRNA-210 deficient mice

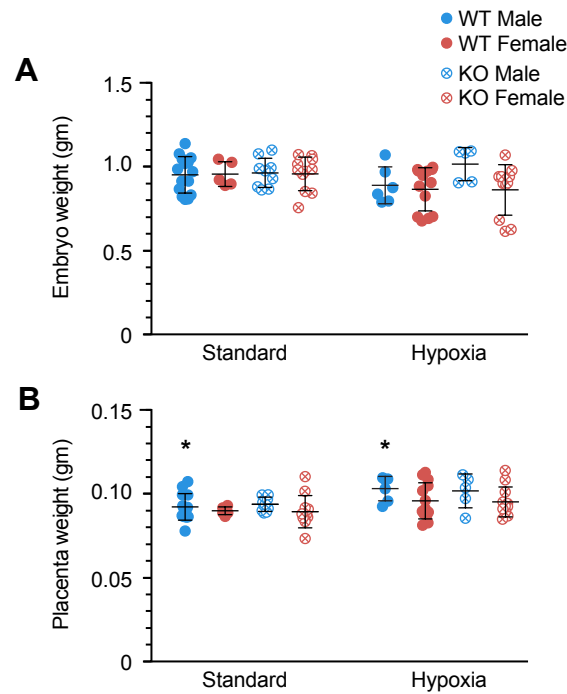
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**Suppl. Table S1: Primer sequences used for genotyping (multiplex PCR) and sex determination.**

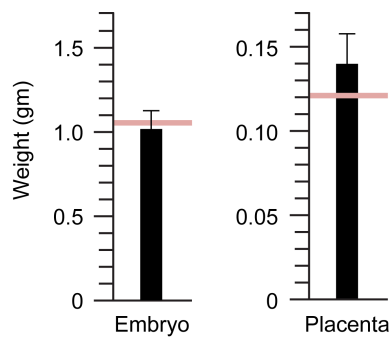
Direction/Name	Species	Product length	Sequence
F1	Mouse	250 bp	AGACAGGCCTGCTTGTAGGA
F2	Mouse	500 bp	GGTCACTGCCAGGACTACGT
R	Mouse		TCAGGAGGTGGGTCTGTAG
SRY F	Mouse	360 bp	ATTTATGGTGTGGTCCCGTG
SRY R	Mouse		AAGCTTTGCTGGTTTTTGA

**Suppl. Table S2: Primer sequences used for qPCR of selected miR-210 target mRNAs .**

Gene name	Species	Direction	Location	Sequence
EFNA3	Mouse	F	1387-1406 of NM_010140.3	CCGCAGTCAGCATCACAACT
		R	1438-1462 of NM_010140.3	TTTCTGGAAGTCCGATCTTTCTTAA
HOXA1	Mouse	F	492-510 of NM_001311118.1	CTTCTCCAGCGCAGACCTT
		R	606-623 of NM_001311118.1	CTGTGAGCTGCTTGGTGGT
ISCU	Mouse	F	369-388 of NM_025526.4	CCCTGACCATCAAAAACACC
		R	504-523 of NM_025526.4	TCACTGCTTCTCTGGCTCCT
NDUFA4	Mouse	F	109-129 of NM_010886.2	AAGAAGCATCCCAGCTTGATT
		R	203-223 of NM_010886.2	TTCTGTCCCAGCTGACATCTG
L32	Mouse	F	67-87 of NM_001101561.2	CCTCTGGTGAAGCCCAAGATC
		R	150-168 of NM_001101561.2	TCTGGGTTTCCGCCAGTTT



**Suppl. Fig S1: Characterization of fetoplacental weight in male and female mir-210 ko mice, exposed to standard conditions or to moderate hypoxia.** Shown are weight (grams) of wt and ko male and female embryos (A) and placentas (B). \* p<0.05.



**Suppl. Fig S2: Fetoplacental weight in mice overexpressing miR-210 selectively in the placenta.** Placenta-specific overexpression of miR-210 (n=14) was performed as described by Mishima T *et al* (Scientific Reports, *in press*). The difference between control and overexpressed miR-210 was insignificant. The red line shows the mean value for controls.