

Supplementary Material

# In Vitro Circadian Clock Gene Expression Assessments in Mesenchymal Stem Cells from Human Infants: A Pilot Study

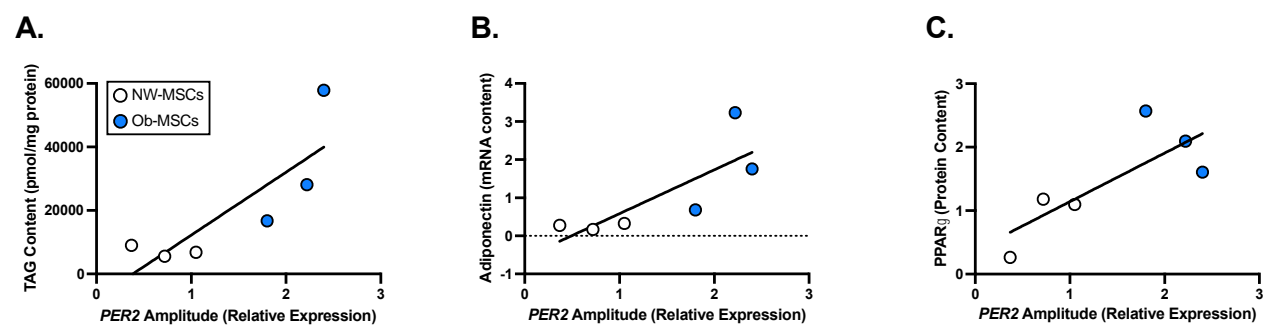
**Supplemental Table S1.** qPCR TaqMan Gene Expression Assay Information

Gene Target	Taqman Assay
<i>CLOCK</i>	Hs00231857_m1
<i>BMAL1</i>	Hs00154147_m1
<i>PER2</i>	Hs01007553_m1
<i>NR1D1</i>	Hs00253876_m1
<i>GSK3B</i>	Hs01047719_m1
<i>PPARA</i>	Hs00947538_m1
<i>SIRT1</i>	Hs01009006_m1
<i>ADIPOQ</i>	Hs02564413_s1
<i>GUSB</i>	Hs00939627_m1
<i>PP1B</i>	Hs00168719_m1

**Supplemental Table S2.** Antibodies for Simple Western

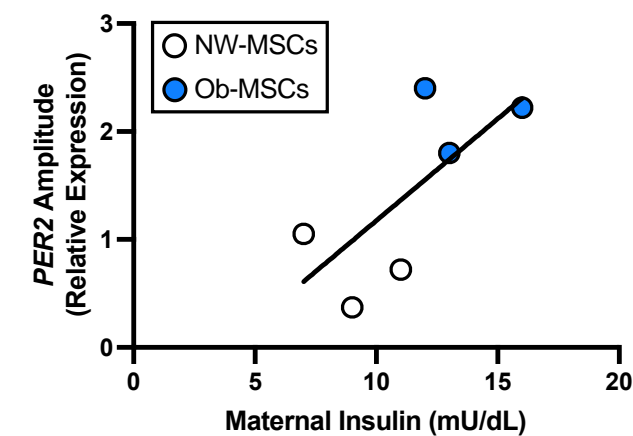
Target	Molecular Weight	Antibody	RRID	Antibody Dilution	Protein Concentration
PPAR $\gamma$	53, 57	Cell Signaling #2435	AB_2166051	1:25	0.8 mg/ml
$\beta$ -actin	45	Cell Signaling #4970	AB_2223172	1:50	0.2 mg/ml

Supplemental Figure S1



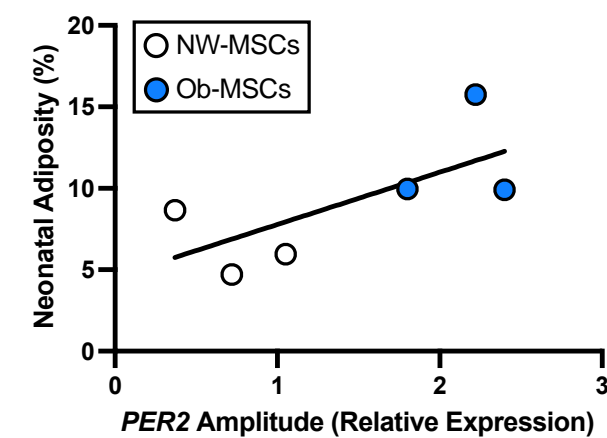
**Figure S1:** Associations between A: *PER2* amplitude and saturated TAGs during myogenesis; B: *PER2* amplitude and adiponectin during adipogenesis; and C: *PER2* amplitude and PPAR $\gamma$  during adipogenesis . NW-MSCs in open symbols and OB-MSCs in blue symbols.

Supplemental Figure S2



**Supplemental Figure S2:** Association between *PER2* amplitude and maternal insulin assessed during late gestation. NW-MSCs in open symbols and OB-MSCs in blue symbols.

Supplemental Figure S3



Supplemental Figure S3: Associations between *PER2* amplitude and neonatal adiposity. NW-MSCs in open symbols and OB-MSCs in blue symbols.