

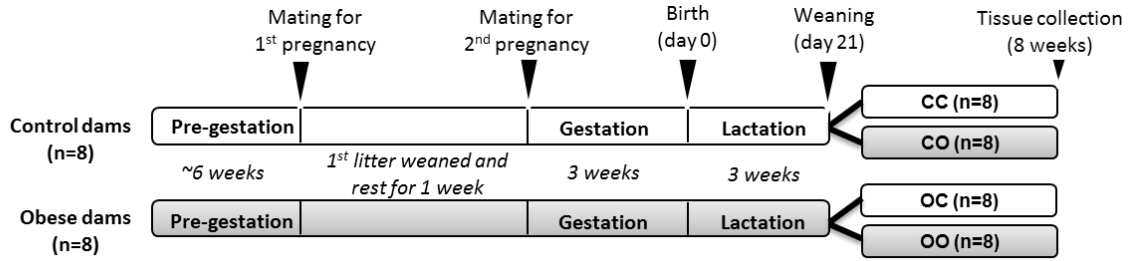
**Supplementary Table 1. Primer sequences**

Gene name	Forward (5'->3')	Reverse (3'->5')
<i>Nppa</i>	GGAGCCTACGAAGATCCAGC	TTCGGTACCGGAAGCTGTTG
<i>Nppb</i>	GGTCCAGCAGAGACCTCAAA	CAACTTCAGTGC GTTACAGCC
<i>Myh6</i>	CTGTTCCCTCTCTCCGTCCAG	ATTCTGTCACTCAA ACTCTGGTTA
<i>Myh7</i>	CGCATCAAGGAGCTCACC	CTGCAGCCGCAGTAGGTT
<i>Acta1</i>	CAGAGTCAGAGCAGCAGAAACT	AGCCGTTGTCACACACAAGA
<i>Serca2a</i>	TTTGCCGCTCATTTTCCAGA	GGCTGCACACACTCTTTACC
<i>Tnnt2</i>	AGCCCACATGCCTGCTTAAA	TCTCGGCTCTCCCTCTGAAC
<i>Colla1</i>	CGATGGATTCCCGTTCGAGT	CGATCTCGTTGGATCCCTGG
<i>Col3a1</i>	GAGGGCCATAGCTGAACTGA	TGACTGTCCCACGTAAGCAC
<i>Nox2</i>	GGGAACTGGGCTGTGAATGA	CAGTGCTGACCCAAGGAGTT
<i>Nox4</i>	CCAAATGTTGGGCGATTGTGT	CAGGACTGTCCGGCACATAG
<i>Nos3</i>	Taqman Probe	mm00435204_m1
<i>Ucp1</i>	CCCGCTGGACACTGCC	ACCTAATGGTACTGGAAGCCTGG
<i>Ppargc1a</i>	TCTTTGCAGTGTGCTGCTCT	CGCTACACCACTTCAATCCA
<i>Ppara</i>	TGCAGCCTCAGCCAAGTTGAA	CCCGAACTTGACCAGCCACA
<i>Pparg</i>	TTTAAAAACAAGACTACCCTTTACTGAAATT	AGAGGTCCACAGAGCTGATTCC
<i>Gapdh</i>	CAACGGGAAGCCCATCAC	GCCTCACCCCATTTGATGTT
<i>Sdha</i>	TTCCGTGTGGGGAGTGTATTG	ATTCTGCAGCTCCAGGGTCTC
<i>36b4</i>	AGATGCAGCAGATCCGCAT	GTTCTTGCCCATCAGCACC

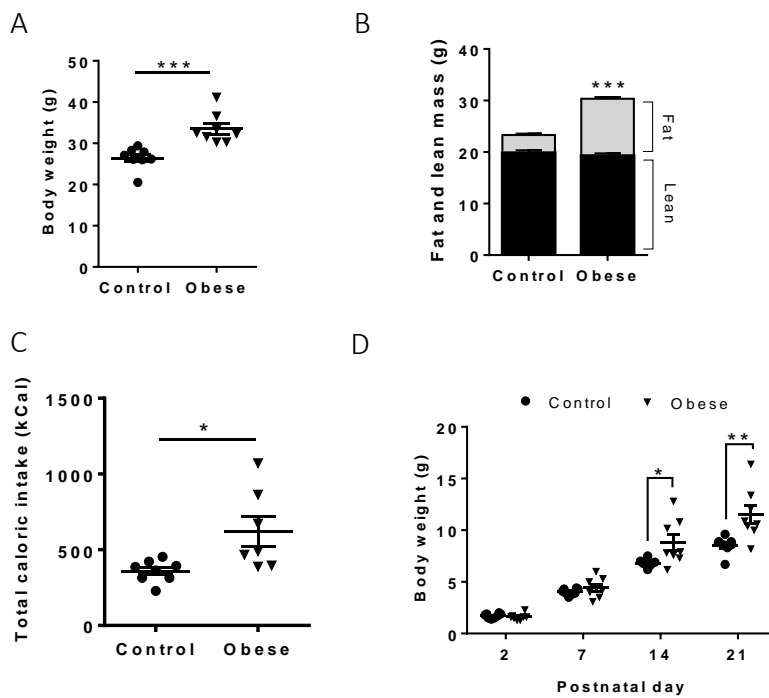
**Supplementary Table 2.**

	<b>CC</b>	<b>CO</b>	<b>OC</b>	<b>OO</b>	<b>MD</b>	<b>PD</b>	<b>MDXPD</b>
					<b><i>P</i>-values</b>		
Mesenteric (g)	0.17±0.01	0.30±0.06	0.21±0.02	0.33±0.05*	0.4207	0.0047	0.8767
<i>as % body weight</i>	0.70±0.05	1.02±0.2	0.85±0.1	1.06±0.1	0.4111	0.0360	0.6629
Epididymal (g)	0.24±0.03	0.94±0.15**	0.40±0.025	1.15±0.23***	0.1674	<0.0001	0.8680
<i>as % body weight</i>	0.95±0.1	3.2±0.4***	1.62±0.1	3.7±0.5***	0.1087	<0.0001	0.8849
Retroperitoneal (g)	0.05±0.008	0.27±0.05***	0.10±0.02	0.26±0.05**	0.6661	<0.0001	0.3590
<i>as % body weight</i>	0.20±0.03	0.92±0.2***	0.41±0.07	0.80±0.1**	0.6924	<0.0001	0.1447
BAT	0.07±0.006	0.12±0.01**	0.08±0.004	0.17±0.02***	0.0280	<0.0001	0.1039
<i>as % body weight</i>	0.29±0.02	0.42±0.03*	0.32±0.02	0.55±0.05***	0.0159	<0.0001	0.1098

Supplementary Figure 1.

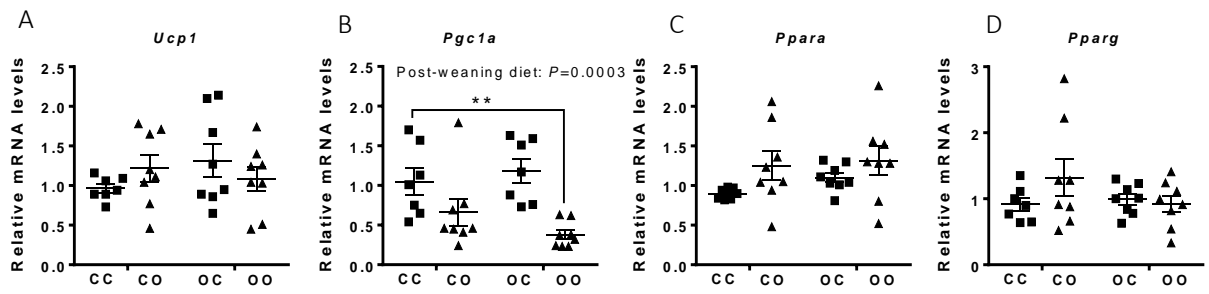


Supplementary Figure 2.



### Supplementary Figure 3.

#### *Brown Adipose*



#### *Subcutaneous Adipose*

