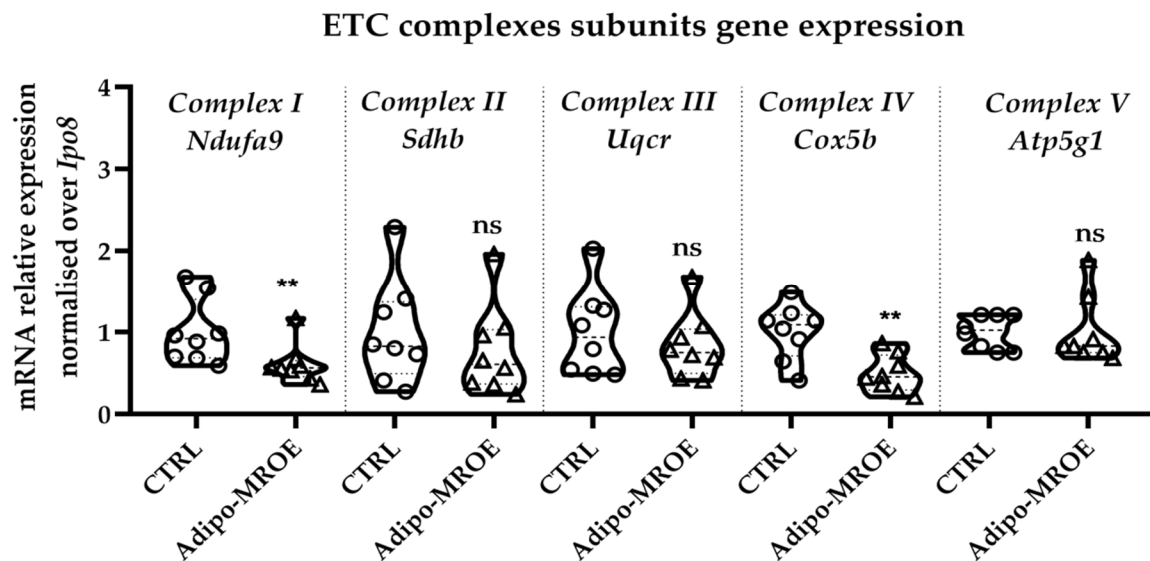


Adipocyte-Mineralocorticoid Receptor Alters Mitochondrial Quality Control Leading to Mitochondrial Dysfunction and Senescence of Visceral Adipose Tissue - Supplemental materials

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Supplementary Figure 1: Mineralocorticoid receptor overexpression decreases expression of electron transfer chain sub-units from complexes I and IV.

Ipo8: importin 8; *Ndufa9*: NADH: Ubiquinone Oxidoreductase Subunit A9; *Sdhb*: succinate dehydrogenase complex iron sulfur subunit B; *Uqcr*: ubiquinol-cytochrome c reductase complex subunit; *Cox5b*: Cytochrome c oxidase subunit 5B; *Atp5g1*: ATP Synthase Membrane Subunit C Locus 1. ** $p < 0.01$, ns: non significant Adipo-MROE vs. Ctrl.

<i>Gene</i>	Forward primer (5'-3')	Reverse primer (5'-3')
<i>Atp5g1</i>	AGTTGGTGTGGCTGGATCA	CCCAGAATGGCATAGGAGAA
<i>Cox5b</i>	GGCTGGAGAGGGAGATCATG	TTCACAGATGCAGCCCACTA
<i>Ipo8</i>	GGTCAAACAGGAAGACAGACGTA	CACACCCAAGAACAAGCACA
<i>Lcn2</i>	GGACCAGGGCTGTCGCTACT	GGTGGCCACTTGCACATTGT
<i>Ndufa9</i>	ACTGTGTTTGGGGCTACAGG	GTCACCCATCAGACGAAGGT
<i>p16</i>	GAACTCGAGGAGAGCCATCTG	CTACGTGAACGTTGCCCATC
<i>p21</i>	GTGGTGGAGACCTGATGATACC	CACGGGACCGAAGAGACAAC
<i>p53</i>	CAAGATCCGCGGGCGTAA	GAGGGATGAAGTGATGGGAGC
<i>Pgc1α</i>	GAATCAAGCCACTACAGACACCG	CATCCCTCTTGAGCCTTTCGTG
<i>Ptgds</i>	CTTCCAGCAGGACAAGTTCC	CGGGTCTCACACTGGTTTTT
<i>Sdhb</i>	AGCTACTGGTGGAAACGGAGA	GCAGCGGTAGACAGAGAAGG
<i>Tfam</i>	CCGAAGTGTTTTTCCAGCAT	GGCTGCAATTTTCCTAACCA
<i>Uqcr</i>	TGCTGAGCAGGTTTCTAGGC	ATGTAAGGCACCCAGTCCAG

Table S1: Forward and reverse primers sequences used for qRT-PCR on cDNA

<i>Gene</i>	Forward primer (5'-3')	Reverse primer (5'-3')
<i>ND2</i>	CCTATCACCCCTTGCCATCAT	GAGGCTGTTGCTTGTGTGAC
<i>18s</i>	CGCCGCTAGAGGTGAAATTC	TCTTGGCAAATGCTTTCGC

Table S2: Forward and reverse primers sequences for qRT-PCR on genomic DNA

Antibody	Protein	Reference / antibody type	Dilution
Primary	MFN-2	CST D2D10 #9482 Monoclonal rabbit	1/1000
	DRP-1	CST D6C7 #8570 Monoclonal rabbit	
	Phospho-DRP1	CST Ser616 #3455 Polyclonal rabbit	
	SIRT1	CST #2028 Polyclonal rabbit	
	SIRT3	CST #5490 Monoclonal rabbit	
	H2A.X	CST # 2595 Polyclonal rabbit	
	Phospho-H2A.X	CST Ser139 #2577 Polyclonal rabbit	
	COX4	CST 3E11 #4850 Monoclonal rabbit	
	P66-SHC	Merck #06203 Polyclonal rabbit	
	Phospho-P66-SHC	Merck Ser36 #566807 Monoclonal Mouse	
	TOM20	sc-17764 Monoclonal mouse	
	β-actine	Sigma A2228 Monoclonal mouse	1/7500
Secondary	Anti-Rabbit	Dako #P0448 Polyclonal Goat	1/4000
	Anti- Mouse	Dako #P0447 Polyclonal Goat	

Table S3: Antibodies used for Western Blot membranes hybridisation