



## SUPPLEMENTARY ONLINE DATA

## Mitochondrial dysfunction in insulin resistance: differential contributions of chronic insulin and saturated fatty acid exposure in muscle cells

Chenjing YANG\*<sup>1</sup>, Cho Cho AYE\*<sup>1</sup>, Xiaoxin LI\*, Angels DIAZ RAMOS†, Antonio ZORZANO† and Silvia MORA\*<sup>2</sup>

\*Department of Cellular and Molecular Physiology, Institute of Translational Medicine, University of Liverpool, Crown Street, Liverpool L69 3BX, U.K., and †Institute for Research in Biomedicine (IRB Barcelona), Department of Biochemistry and Molecular Biology, Universitat de Barcelona and CIBERDEM, Spain

**Table S1 List of primers used for quantitative real-time PCR**

Gene	Direction	Primer (5'→3')
NRF1	Forward	GAACTGCCAACCCACAGTCAC
	Reverse	TTTGTTCCACCTCTCCATCA
PGC-1 $\alpha$	Forward	AACCACACCCACAGGATCAGA
	Reverse	CTCTTCGCTTTATTGCTCCATG
PGC-1 $\beta$	Forward	GGCCTTGTGTCAAGGTGGAT
	Reverse	GGTGCTTATGCAGTTCCTGAC
TFAM	Forward	CCGAAGTGTTTTCCAGCAT
	Reverse	GGCTGCAATTTTCTAACCA
COX2	Forward	GCCGACTAAATCAAGCAACA
	Reverse	CAATGGGCATAAAGCTATGG
COX4	Forward	TATGCTTTCCCCACTTACGC
	Reverse	CACATCAGGCAAGGGGTAGT
ATP6	Forward	AATTACAGGCTCCGACACAAAC
	Reverse	TGGAATTAGTGAAATTGGAGTTCTC
UCP2	Forward	AAAGGGACCTCTCCAATGT
	Reverse	GGTCGTCTGTCATGAGGTTG
UCP3	Forward	TGCTGAGATGGTGACCTACG
	Reverse	GCGTTCATGTATCGGGTCTT
18S	Forward	TCAAGAACGAAAGTCGGAGG
	Reverse	GGACATCTAAGGGCATCACA
Cyclophilin A	Forward	GCATACAGGTCCTGGCATCT
	Reverse	TTACAGGACATTGCGAGCAG
SOD1	Forward	CAGCATGGGTTCCACGTCCA
	Reverse	CACATTGGCCACACCGTCTCT
SOD2	Forward	CATTAACGCGCAGATCATGC
	Reverse	CCCAAAGTCACGCTTGATAGC
Catalase	Forward	CCAGCGACCAGATGAAGCAG
	Reverse	CCACTCTCTCAGGAATCCGC
Prdx III	Forward	GTTGCAGTTTCAGTGGATTCCC
	Reverse	CTTTGGAAGCTGTTGGACTTGG
Gptxl	Forward	GGGCAAGGTGCTGCTCATTG
	Reverse	AGAGCGGGTGAGCCTTCTCA

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<sup>1</sup> These authors contributed equally to the work.<sup>2</sup> To whom correspondence should be addressed (email mora@liverpool.ac.uk).