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Authors: G. Sgarbi, G. Gorini, A. Costanzini, S. Barbato, G. Solaini, A. Baracca

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HYPOXIA DECREASES ROS LEVEL IN HUMAN FIBROBLASTS

Sgarbi[§] G, Gorini[§] G, Costanzini A, Barbato S, Solaini* G, and Baracca* A

Department of Biomedical and Neuromotor Sciences, Laboratory of Biochemistry and Mitochondrial Pathophysiology, University of Bologna, via Irnerio, 48, 40126 Bologna, Italy

[§] These authors contributed equally to this work

* Corresponding authors:

Prof. Alessandra Baracca: Department of Biomedical and Neuromotor Sciences, University of Bologna, via Irnerio 48, 40126 Bologna, Italy

Tel: +39 051 2091244

Fax: + 39 051 20911224

e-mail: alessandra.baracca@unibo.it

Prof. Giancarlo Solaini: Department of Biomedical and Neuromotor Sciences, University of Bologna, via Irnerio 48, 40126 Bologna, Italy

Tel: +39 051 2091215

Fax: + 39 051 20911224

e-mail: giancarlo.solaini@unibo.it

Abbreviations

BNIP3: BCL2/adenovirus E1B 19kDa protein-interacting protein 3; CM-H₂DCFDA: chloromethyl-2',7'-dichlorodihydrofluorescein diacetate; $\Delta\psi_m$: mitochondrial membrane potential; DTNB: 5,5'-dithiobis-(2-nitrobenzoic acid); FCCP: carbonyl cyanide p-(trifluoro-methoxy)-phenylhydrazone; GPX1: glutathione peroxidase 1; GSH and GSSG: reduced and oxidized glutathione, respectively; HBSS: Hank's Balanced Salt Solution; HIF-1 α : hypoxia-inducible transcription factor 1 α ; IMS: intermembrane mitochondrial space; NAC: N-acetyl-L-cysteine; NBT: nitrotetrazolium blue chloride; OXPHOS: oxidative phosphorylation; PMSF: phenylmethylsulfonyl fluoride; ROS: reactive oxygen species; SODs: superoxide dismutases; TMRM: tetramethylrhodamine methyl ester.

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