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G. Sgarbi, S. Barbato, A. Costanzini, G. Solaini, A. Baracca



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Sgarbi G., Barbato S., Costanzini A., Solaini G.*, Baracca A.*

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

* 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

$\Delta\mu_{\text{H}^+}$: proton electrochemical potential, proton motive force; $\Delta\psi_{\text{m}}$: mitochondrial membrane potential; F₁F₀-ATPase: ATP synthase; IF₁: endogenous inhibitor protein of the mitochondrial F₁F₀-ATPase; ANT: adenine nucleotide translocator; CS: citrate synthase; COX: cytochrome c oxidase; FCCP: carbonyl cyanide p-(trifluoro-methoxy)-phenylhydrazone; HBSS: Hank's Balanced Salt Solution; HIF-1 α : hypoxia-inducible transcription factor 1 α ; GFP: green fluorescent protein; mtRFP mitochondria-targeted red fluorescent protein; OXPHOS: oxidative phosphorylation; ROS: reactive oxygen species; PEI polyethylenimine; PMSF: phenylmethylsulfonyl fluoride; TMRM: tetramethylrhodamine methyl ester.

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