

DECLARATION OF CONTRIBUTIONS TO ARTICLE



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Proposed Title of the Contribution:

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Author(s):

(the 'Authors')

For all *CDD* articles, each person named as an author in the published version must be able to show he or she has contributed substantially to the article.

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Any person who cannot be shown to have made a substantial contribution to the article cannot be listed as an author in the final version. The name of any person who is deemed to have made a minor contribution can, however, appear in the Acknowledgments section of the article.

Please complete the table below to indicate the contributions of all named authors to the manuscript.

Author Full Name:

Specification of Contribution to the Manuscript:

Sonia Domínguez-Zorita	SDZ carried out experiments, processed the experimental data, performed the analysis, drafted the manuscript and designed the figures.
Inés Romero-Carramiñana	IRC carried out experiments, processed the experimental data, performed the analysis,
Fulvio Santacatterina	FS carried out experiments, processed the experimental data, performed the analysis,
Pau B. Esparza-Moltó	PBEM carried out experiments, processed the experimental data, performed the analysis,
Carolina Simó	CS carried out experiments related to untargeted metabolomic analyses (Figure 4). CS analyze them and plot the results.
Araceli del-Arco	ADA carried out the experiments on cell lines related to the intramitochondrial ATP turnover.
Cristina Núñez de Arenas	CNA manage the project in terms of the mouse models.
Jorge Saiz	JS carried out experiments related to targeted metabolomic analyses and analyze them (Figure 4).
Coral Barbas	CB carried out experiments related to targeted metabolomic analyses and analyze them (Figure 4).
José M. Cuezva	JMC conceived the project, designed and analyzed experiments, designed figures, secured funding and wrote the manuscript.

Please complete the table below to indicate the contributions of all named authors to the figures.

Figure 1:

a-c) PBEM developed IF1-floxed mice.
a-d) SDZ and FS.
e-i) SDZ.
Supplementary Fig. S1:
a) FS.
b-d) SDZ.

Figure 2:

a-i) SDZ.
i) IRC.

Figure 3:

a-b) SDZ and FS.
c-i) SDZ.
Supplementary Fig. S2:
a-i) SDZ.

Figure 4:

a-e, g) CS.
f, i-k) SDZ.
h) JS, CB.
Supplementary Fig. S3:
a-c) CS.
d-e) JS and CB.

Figure 5:

a-b; d-k) SDZ.
c) IRC.
j-k) ADA.
Supplementary Fig. S4:
a-f) SDZ and IRC.

Figure 6:

a) SDZ.
b-d) FS.
e-k) FS and SDZ.
Supplementary Fig. S5:
a-e) SDZ and FS.
Supplementary Fig. S6:
a, g-i) SDZ and IRC.
b-d) SDZ.
e-f) SDZ and FS.
Figure 7:
IRC and SDZ.

Signed for and on behalf of the Author(s):

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Date:

19/01/2023