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Information about the contributions of each person named as having participated in the study

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2) Authors who participated in the conception of the study: D.R-M, C.B, P.M

3) Design & Methods. The following authors were responsible for specific investigations:

D.R-M was responsible for metabolic assays, all in vitro and all in vivo work

C.B was responsible for FACS sorting expts and PCR optimizations

R.M was responsible for CB CD34+ isolation and in vitro assays

O.N-M was responsible for animal welfare and transplantation

F.J.I, LCL and M.M: were responsible for metabolic assays and ROS and Mito detections and confocal studies

P.M: supervised the entire study, conceived the study and designed the expts and funded the work

4) Results. The following authors were responsible for specific portions of the results, including figures and tables:

D.R-M: Fig 2 and Fig 3 (entire)

C.B: Fig 1B and Fig 2D, Fig 3 C, Fig 3D

R.M: Fig 2A and Fig 3A, Fig 3B

O.N-M: Fig 2C

F.J.C: Fig1 A and suppl Fig

L.C.L: Fig1 A and Suppl Fig

M.M: Fig 1C

P.M: editing and supervision

5) Writing the manuscript. The following authors were responsible for writing the manuscript:

D.R-M and P.M wrote the paper

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