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-Alicia Báez processed all samples, performed gene expression microarrays, miRNAs arrays, analyzed data and wrote the manuscript.

-Beatriz Martín-Antonio designed the research project.

-José I. Piruat analyzed data, performed all statistical analyses and generated all figures.

-Concepción Prats analyzed all samples by flow cytometry.

-Isabel Álvarez-Laderas analyzed data.

-M. Victoria Barbado critically reviewed the manuscript.

-Magdalena Carmona collected samples from donors.

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