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

1) Guarantor(s), i.e., person(s) who is (are) responsible for the integrity of the work as a whole:
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2) Authors who participated in the **conception of the study**: Manuel Fresno, Manuel Ramírez

3) **Design & Methods**. The following authors were responsible for specific investigations (please detail):

- Carmen Sánchez-Valdepeñas, Lucía Casanova, Mar Arriero, África González and Manuel Ramírez performed the experiments.
- Isabel Colmenero and Nieves Lozano were responsible for all pathological analysis (human & murine samples).
- Marta González-Vicent, Miguel A. Díaz, Luís Madero were responsible for patients care and biopsias for the study.
- Manuel Fresno and Manuel Ramírez were responsible for designing the experiments.

4) **Results**. The following authors were responsible for specific portions of the results, including figures and tables (please indicate the person responsible for each figure and each table):

- Marta González-Vicent, Miguel A. Díaz, Luís Madero, Isabel Colmenero and Nieves Lozano were responsible for Figure 1 and for Table S1.
- Isabel Colmenero and Nieves Lozano were responsible for Figure S1.
- Carmen Sánchez-Valdepeñas, Manuel Fresno and Manuel Ramírez were responsible for Figure 2.
- Carmen Sánchez-Valdepeñas, Lucía Casanova, Mar Arriero, África González, Manuel Fresno and Manuel Ramírez were responsible for Figures 3, 4 and 5 and Figures S2, S3 and S4.

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

- Manuel Fresno
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6) **Contributors Listed in Acknowledgments**: Manuel Ramírez, as corresponding author, declares that we did not have any assistance with the study design, data collection, data analysis, or manuscript preparation.