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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 of the integrity of the work as a whole:**

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**2) Authors who participated in the conception of the study:** Iria Vázquez and María D. Odero.

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

- Iria Vázquez: analysis of the patient’s data, gene expression analysis and epigenetic studies.
- Miren Maicas: epigenetic studies.
- Oskar Marin-Bejar: methylation studies.
- Carmen Vicente: statistical analysis.
- Nerea Marcotegui and Maria Gomez-Benito: gene expression analysis.
- Idoia Lahortiga and Claudia Carranza: FISH analysis.
- José Cervera, Ana Valencia, Salut Brunet, Eva Lumbreras, María T. Gómez-Casares, Jesús M. Hernández-Rivas, María J. Calasanz, Miguel A. Sanz, Felipe Prosper and Jorge Sierra: provided the patient samples and were responsible for the analysis of the patient’s data.

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

- Iria Vázquez: all figures and tables.
- Miren Maicas: figures 2 and 3, and supplementary figure 7.

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

- Iria Vázquez, Miren Maicas and María D. Odero.

**6) Contributors Listed in Acknowledgments:**

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