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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: Francesco Lo-Coco and Emanuele Ammatuna

3) Design & Methods. The following authors were responsible for specific investigations:
• Francesco Lo-Coco and Emanuele Ammatuna were responsible for designing of the study.
• Paola Panetta has performed cytogenetic analysis.
• Xabier Agirre and Maria José Calasanz have assisted and supervised cytogenetic and methylation studies.
• Tiziana Ottone and Serena Lavorgna have performed NPM1 mutation and data analysis.
• Francesco Lo-Coco was responsible in conception and design of the study and supervision of the whole work.

4) Results. The following authors were responsible for specific portions of the results, including figures and tables:
• Francesco Lo-Coco and Emanuele Ammatuna were responsible for acquisition of data, compilation of the results and overall interpretation.
• Paola Panetta was responsible for analyzing the cytogenetic results and prepared figure 1 and table 1 for the paper.
• Xabier Agirre and Maria José Calasanz were responsible for performing and analyzing the cytogenetic and methylation results.
• Maria José Calasanz was responsible for preparing the table 2 for the paper.
• Tiziana Ottone and Serena Lavorgna were responsible for performing and analyzing NPM1 mutation and data results.

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