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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**: Silvia Vettore; Fabrizio Vianello; Fabrizio Fabris.

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

- Silvia Vettore was responsible for protein and RNA expression experiments and genetic analysis
- Matteo Floris was responsible for computational analysis (ESE finder software) of DNA sequences
- Alessandra Balduini was responsible for megakaryocytes cultures experiments
- Fabiana Tezza and Raffaella Scandellari were responsible for clinical issues, patient follow up and laboratory data analysis.

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):

- Silvia Vettore was responsible for protein and RNA expression experiments, genetic analysis Figure 1 and Online Supplementary Figure S1 and S2
- Matteo Floris was responsible for computational analysis results and Table 1.
- Alessandro Malara and Alessandro Pecci were responsible for megakaryocytes cultures Figure 2, Online Supplementary Figure S3, and Supplementary Tables 1 and 2.

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

- Alessandra Balduini was responsible for megakaryocytes cultures experiments description
- Silvia Vettore, Fabrizio Vianello, and Fabrizio Fabris were responsible for the whole manuscript writing and revision

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