

Manuscript no. HAEMATOL/2011/049825 entitled “DNA methyltransferase 3a hot-spot locus is not mutated in pediatric patients affected by acute myeloid or T cell acute lymphoblastic leukemia: an Italian study“

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

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2) Authors who participated in the **conception of the study**: Maddalena Paganin, Martina Pigazzi, Silvia Bresolin, Geertruy te Kronnie and Giuseppe Basso

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

- Maddalena Paganin and Silvia Bresolin were responsible and Geertruy te Kronnie for sequencing analysis
- Martina Pigazzi, Giovanni Cazzaniga, Riccardo Masetti, Sabrina Chiaretti were responsible for samples collection and characterization.
- Franca Fagioli, Franco Locatelli, Andrea Pession, Geertruy te Kronnie and Giuseppe Basso were responsible for clinical data and supervised the study.

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):

- Martina Pigazzi and Riccardo Masetti were responsible for Table 1.
- Maddalena Paganin and Giovanni Cazzaniga were responsible for Table 2.

5) **Writing the manuscript**. Maddalena Paganin, Martina Pigazzi, Franco Locatelli, Geertruy te Kronnie and Giuseppe Basso were responsible for writing the manuscript.

6) **Contributors Listed in Acknowledgments**:

This study was supported by grants from: the Fondazione Città della Speranza-Padova, University of Padova, European Union (EU FP7-228971), Fondazione Veneto Banca and AIL. We thank Emanuela Giarin, Sabrina Gelain, Alessandra Beghin, Samuela Francescato, Barbara Buldini, Anna Leszl, Elena Seganfredo, Barbara Michielotto, Maria Grazia Giacometti, Silvia Disarò and Katia Polato for their collaboration.