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*Authors: Angela Garding, Nupur Bhattacharya, Sarah Haebe, Frederike Mueller, Dieter Weichenhan, Irina Idler, Katja Ickstadt, Stephan Stilgenbauer, and Daniel Mertens*

*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:** Daniel Mertens, Cooperation Unit „Mechanisms of Leukemogenesis“, University Ulm, DKFZ Heidelberg

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**2) Authors who participated in the conception of the study:**

Angela Garding, Nupur Bhattacharya, Daniel Mertens

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

- Angela Garding and Dieter Weichenhan were responsible for methods regarding epigenetic modifications and correlated expression (Figure 1)
- Nupur Bhattacharya, Sarah Häbe and Irina Idler were responsible for methods pertaining to microenvironmental stimuli (Figure 2A to F, J)
- Frederike Müller and Katja Ickstadt were responsible for statistical analyses (Figure 2 G, H) and

**4) Results. The following authors were responsible for specific portions of the results, including figures and tables:**

- Angela Garding and Dieter Weichenhan were responsible for experiments regarding epigenetic modifications and correlated expression (Figure 1)
- Nupur Bhattacharya, Sarah Häbe and Irina Idler were responsible for experiments pertaining to microenvironmental stimuli (Figure 2A to F, J)
- Frederike Müller and Katja Ickstadt were responsible for statistical analyses (Figure 2 G, H) and
- Daniel Mertens for Figure 2 I.
- Stephan Stilgenbauer provided crucial patient samples and genetic and clinical data on these samples (Table 1).

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

Angela Garding, Nupur Bhattacharya and Daniel Mertens wrote the manuscript and Katja Ickstadt and Stephan Stilgenbauer provided crucial help for improving it.

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