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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**: Annika C. Russ, Sonja C. Lück, Hartmut Döhner, Konstanze Döhner, and Lars Bullinger

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

- Hartmut Döhner and Konstanze Döhner were responsible for contribution of vital reagents (patient samples)
- Frank G. Rücker and Richard F. Schlenk were responsible for determination of clinical characteristics of patients and collection of patient data
- Annika C. Russ was responsible for cell culture, transfection experiments, immunoblots and luciferase reporter experiments
- Sandrine Sander and Marion Bauer were responsible for setting up the miRNA microarray platform and hybridization of arrays
- Annika C. Russ, Sonja C. Lück, Hans A. Kestler, Karlheinz Holzmann and Lars Bullinger were responsible for data analysis of miRNA microarrays and gene expression profiling arrays
- Annika C. Russ and Sandrine Sander were responsible for Northern Blot analyses
- Annika C. Russ was responsible for qRT-PCR for miRNA and mRNA detection
- Annika C. Russ, Sonja C. Lück and Katharina M. Lang were responsible for Cell proliferation assays and flow cytometric detection of apoptosis
- Annika C. Russ, Sonja C. Lück, Hans A. Kestler, and Lars Bullinger were responsible for statistical 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):

- Annika C. Russ was responsible for qRT-PCRs for mRNA detection for Table 1, Figure 3, Supplementary Table S7, Supplementary Figure S1, S2, S4 and S5
- Annika C. Russ was responsible for qRT-PCRs for miRNA detection for Supplementary Figure S3B
- Sandrine Sander and Marion Bauer were responsible for hybridization of miRNA microarrays and Annika C. Russ, Sonja C. Lück, Hans A. Kestler, Karlheinz Holzmann and Lars Bullinger were responsible for data analysis of miRNA microarrays and gene expression profiling arrays for Figure 1 , Figure 2 and Supplementary Tables S2, S4, S5 and S6
- Annika C. Russ was responsible for luciferase reporter experiments for Figure 4C-D and Figure S6
- Annika C. Russ was responsible for immunoblots for Figure 4A-B
- Annika C. Russ and Sandrine Sander were responsible for Northern Blot analyses for Figure S3A
- Annika C. Russ, Sonja C. Lück and Katharina M. Lang were responsible for Cell proliferation assays and flow cytometric detection of apoptosis for Figure 5
- Hartmut Döhner and Konstanze Döhner were responsible for contribution of patient samples for the study and Frank G. Rucker and Richard F. Schlenk were responsible for determination of clinical characteristics of patients and collection of patient data for Supplementary Table S1
- Annika C. Russ was responsible for preparing Figures and Tables, and Lars Bullinger was responsible for preparing Supplementary Table S2.

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

- Annika C. Russ and Lars Bullinger were responsible for writing the manuscript
- Sandrine Sander, Sonja C. Lück, Hans A. Kestler, Karlheinz Holzmann and Konstanze Döhner were mainly responsible for reviewing and editing the manuscript.

6) **Contributors Listed in Acknowledgments:**

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