

## Peer Review File

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### Reviewer A

In this study, a predictive model for AML patients was constructed based on public databases combined with bioinformatics, which has a high predictive value for the prognosis of AML. In addition, natural compounds with potential efficacy against AML were discovered by molecular docking against selected hub genes. This study is comprehensive and important for hematologists, since it provides a new direction for establishing prediction models for AML patients.

Reply: Thanks to the reviewer for your encouragement; We will continue to work hard.

### Reviewer B

The study presented by Sun et al is interesting and well-illustrated. The data presented support the conclusions.

Minor revision:

1- In the discussion, the authors need to emphasize the need for experimental evaluation of the results obtained by docking, recognizing and clarifying this important limitation to the readers.

**Reply 1:** Thanks for your advice. The discussion part of the manuscript has been modified as required. We have modified our text as advised (see Page 19, lines 401-406).

2- The manuscript will benefit from a review by a native English editor.

**Reply 2:** Thanks for your advice. We have modified our text by using red color to show the changes.