


CORRECTION

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Correction to: The lncRNA LAMP5-AS1 drives leukemia cell stemness by directly modulating DOT1L methyltransferase activity in MLL leukemia

Wen-Tao Wang¹, Tian-Qi Chen¹, Zhan-Cheng Zeng¹, Qi Pan¹, Wei Huang¹, Cai Han¹, Ke Fang¹, Lin-Yu Sun¹, Qian-Qian Yang¹, Dan Wang², Xue-Qun Luo³, Yu-Meng Sun^{1*} and Yue-Qin Chen¹ 

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The original article [1] contains an error in Fig. 6b for the image of western blot panels.

The correct presentation of Fig. 6b is shown below.

The original article can be found online at <https://doi.org/10.1186/s13045-020-00909-y>.

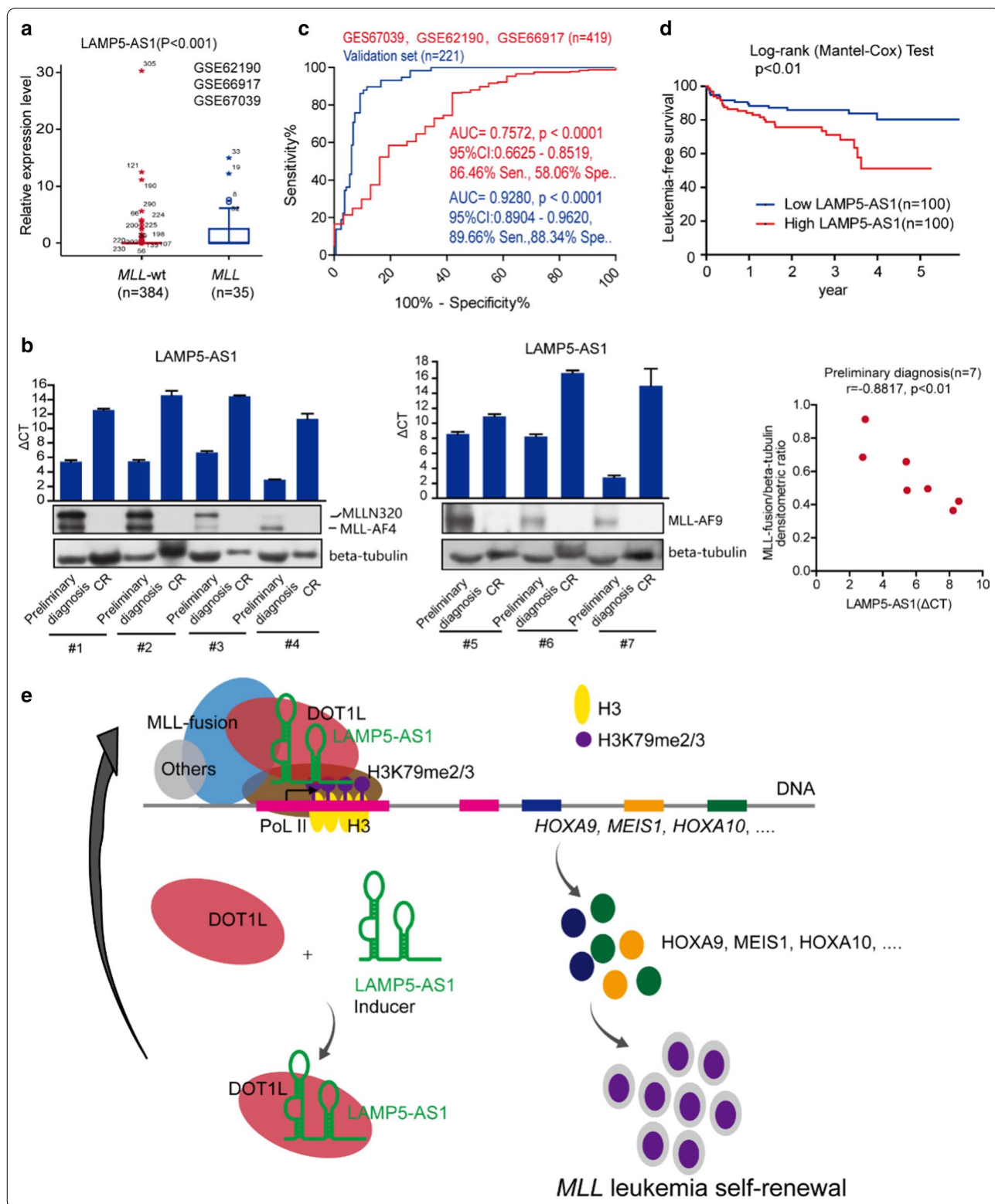
*Correspondence: fengzhihualuo@163.com

¹ MOE Key Laboratory of Gene Function and Regulation, State Key Laboratory for Biocontrol, School of Life Sciences, Sun Yat-Sen University, Guangzhou 510275, China

Full list of author information is available at the end of the article



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(See figure on previous page.)

Fig. 6 LAMP5-AS1 could serve as a prognostic predictor of *MLL* leukemia. **a** Reanalysis of the GSE62190, GSE66917 and GSE67039 data sets with 419 patient samples classified into *MLL* leukemia and *MLL-wt* subtypes. LAMP5-AS1 expression presented the highest levels in *MLL* leukemia. (Mann–Whitney test, $p < 0.001$). **b** LAMP5-AS1 and *MLL* fusion protein levels in 7 paired *MLL* leukemia patients (initial diagnosis versus complete response, CR), and the *MLL* fusion protein levels were positively correlated with those of LAMP5-AS1 (Δ CT) at preliminary diagnosis (Pearson $r = -0.8817$, $p < 0.01$). Relative expression (Δ CT) was used to quantify LAMP5-AS1 expression relative to a housekeeping gene (GAPDH). **c** ROC curve analysis showed that LAMP5-AS1 had high AUC values of 0.7572 (95% confidence interval (CI): 0.6625–0.8519) and 0.9280 (95% CI: 0.8904–0.9620, $p < 0.001$) in the GSE62190, GSE66917 and GSE67039 data sets ($n = 35$ for *MLL* leukemia and $n = 384$ for *MLL-wt*) and validation set ($n = 58$ for *MLL* and $n = 163$ for *MLL-wt*), respectively, with considerably significant sensitivity (sen.) and specificity (spe.) at the optimal cutoff point calculated by Youden's index. **d** The 5-year leukemia-free survival of patients with a high expression level of LAMP5-AS1 is less than that of patients with a low LAMP5-AS1 level in *MLL* leukemia ($n = 200$, $p < 0.01$). **e** A working model proposed for the specific activation of DOT1L/H3K79 methyltransferase by LAMP5-AS1 binding to regulate *MLL* leukemia self-renewal

Author details

¹ MOE Key Laboratory of Gene Function and Regulation, State Key Laboratory for Biocontrol, School of Life Sciences, Sun Yat-Sen University, Guangzhou 510275, China. ² Sun Yat-Sen University Cancer Center, State Key Laboratory of Oncology in South China, Guangdong 510060, China. ³ The First Affiliated Hospital of Sun Yat-Sen University, Guangzhou 510080, China.

Reference

1. Wang W-T, et al. The lncRNA LAMP5-AS1 drives leukemia cell stemness by directly modulating DOT1L methyltransferase activity in *MLL* leukemia. *J Hematol Oncol*. 2020;13:78. <https://doi.org/10.1186/s13045-020-00909-y>.

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