

Supplemental Figures

Targeting NAT10 induces apoptosis associated with enhancing endoplasmic reticulum stress in acute myeloid leukemia cells

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Running title: Targeting NAT10 inducing apoptosis in AML

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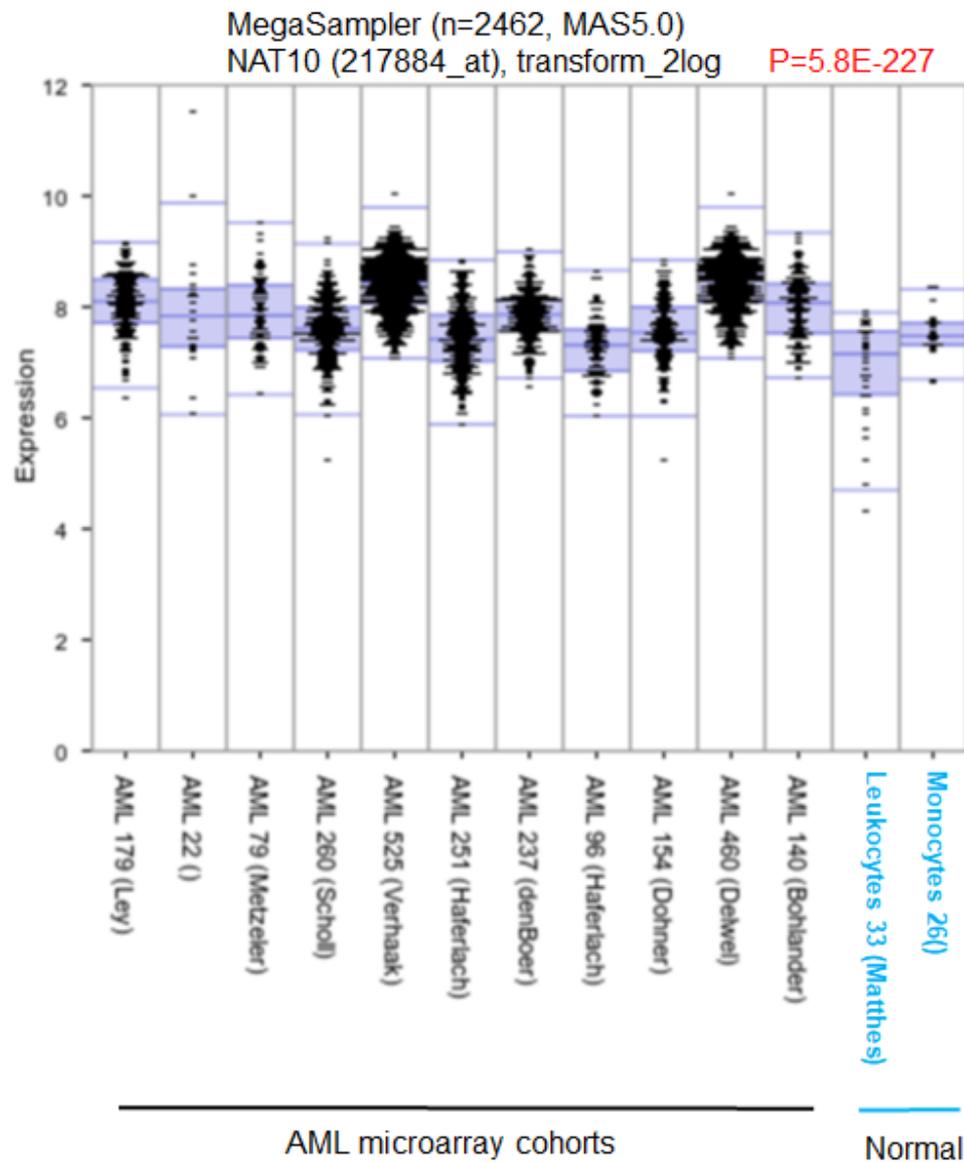
Telephone: 86-25-83262468, FAX: 86-25-83262471, Email:Janege879@hotmail.com

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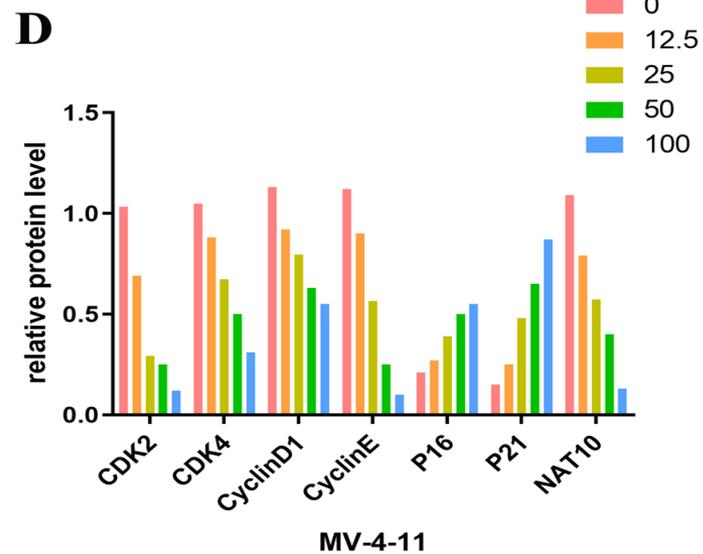
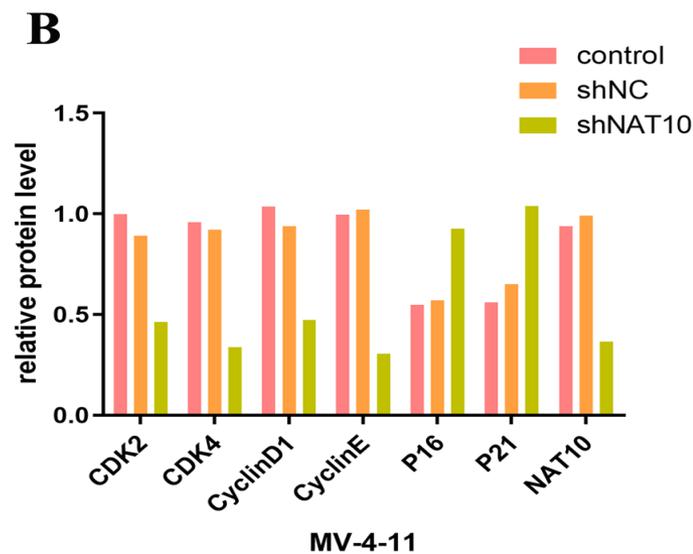
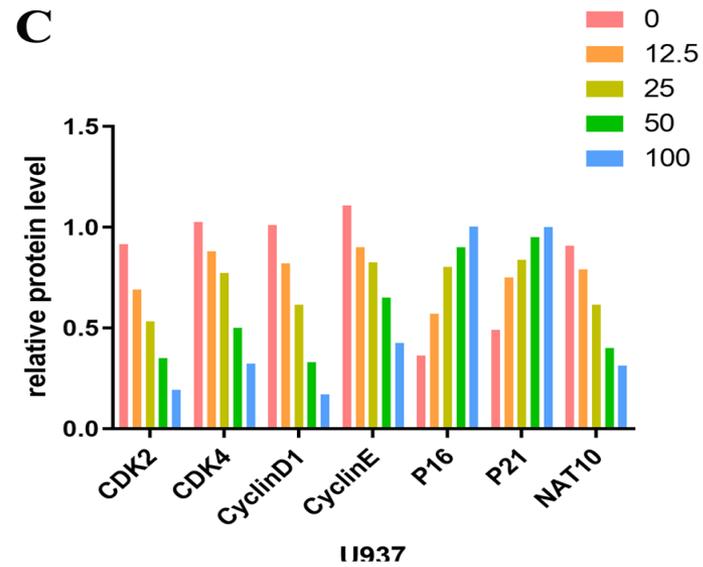
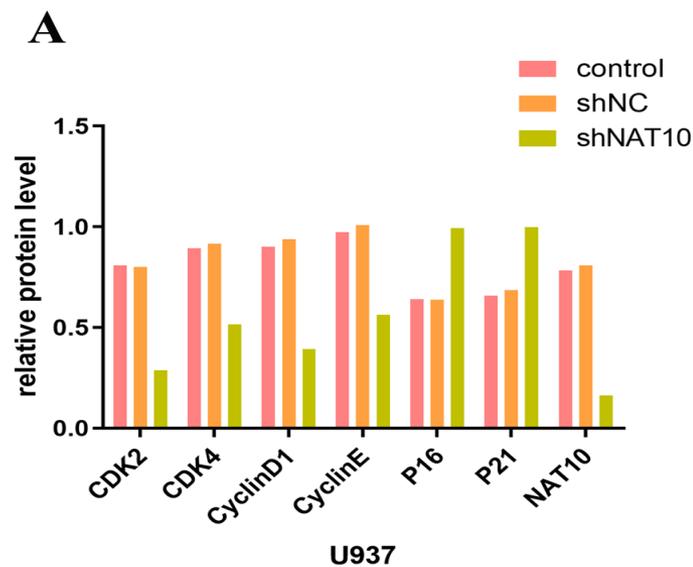
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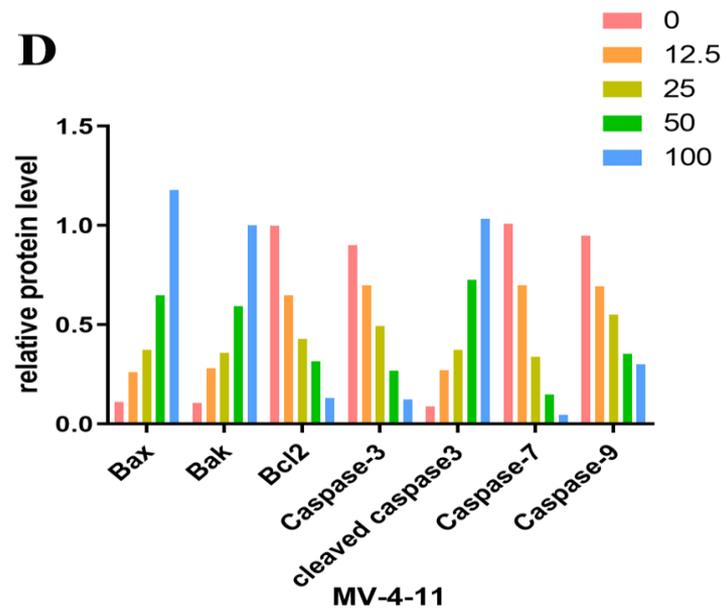
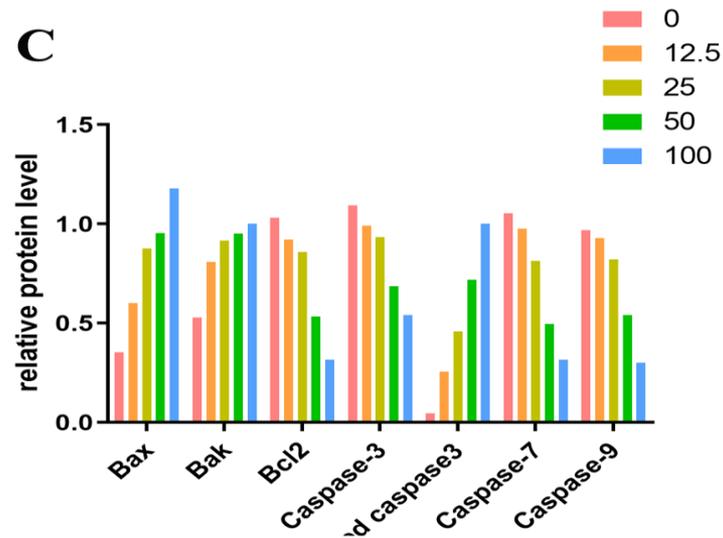
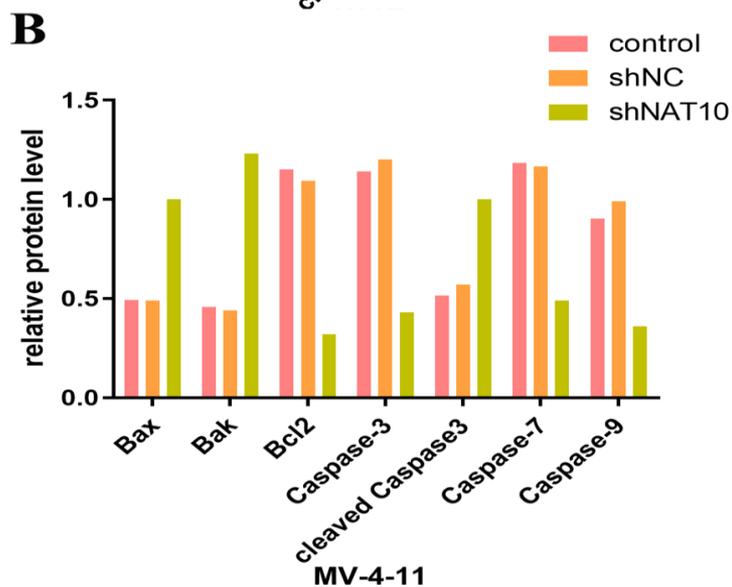
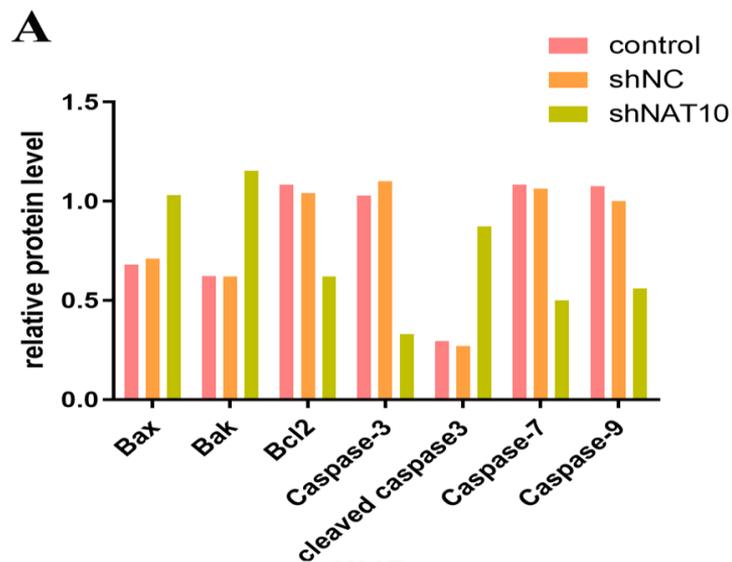
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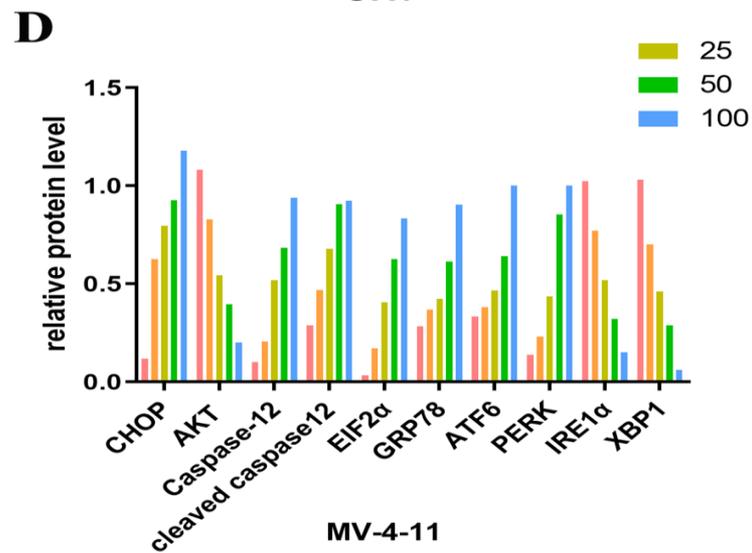
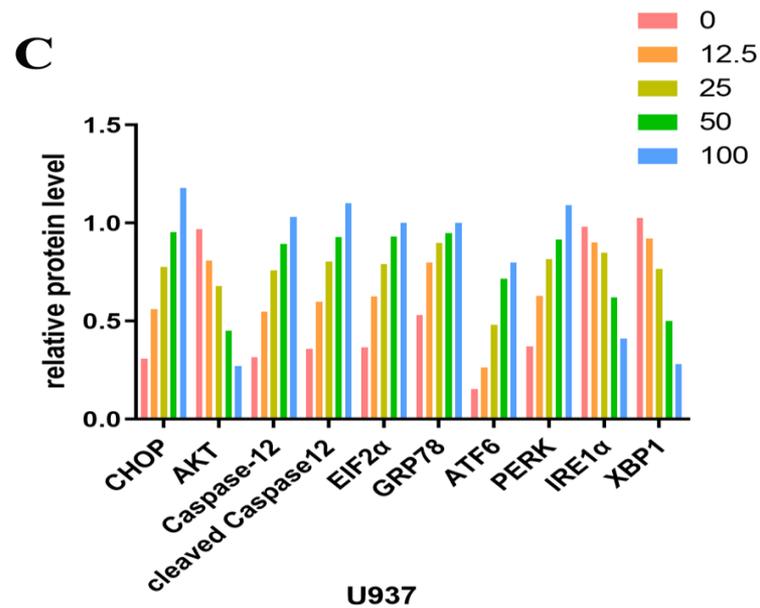
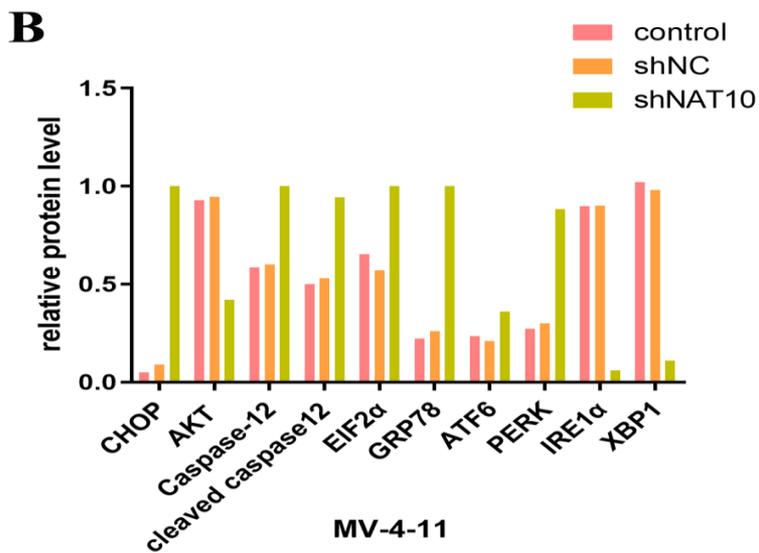
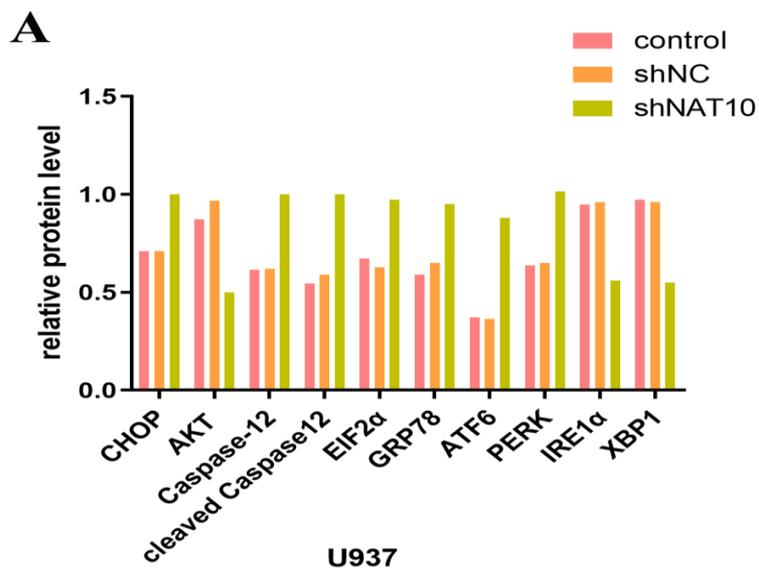
Supplemental Fig 1: NAT10 high expression in AML microarray cohorts studies compared to that of normal leukocytes cells and monocytes. The microarray data for NAT10 (217884_at) expression generated with MegaSampler (n=2462, MAS5.0) from human oncogenomics sever crossing all **microarray** database, which includes AML and normal control (leukocytes and monocytes) cohort studies.



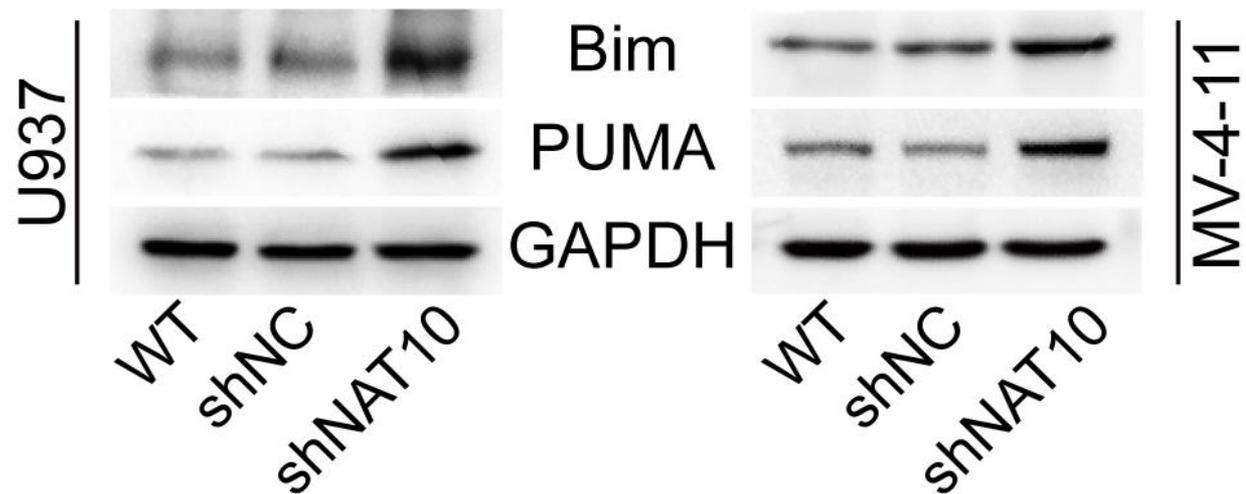
Supplemental Figure 2 Quantitative data for Western blot in NAT10 depletion and inhibition-mediated cell cycle-related proteins (A-D) Quantitative data of the western-blot were generated by NIH ImageJ in the NAT10 depletion cells (A, B) and NAT10 inhibitor treatment cells (C, D). For data in A-D, graphed are the representative of one of 3 independent experiments



Supplemental Figure 3 Quantitative data for Western blot in NAT10 depletion and inhibition-mediated apoptosis-related proteins (A-D) Quantitative data of the western-blot were generated by NIH ImageJ in the NAT10 depletion cells (A, B) and NAT10 inhibitor treatment cells (C, D). For data in A-D, graphed are the representative of one of 3 independent experiments



Supplemental Figure 3 Quantitative data for Western blot in NAT10 depletion and inhibition-mediated ER stress-related proteins (A-D) Quantitative data of the western-blot were generated by NIH ImageJ in the NAT10 depletion cells (A, B) and NAT10 inhibitor treatment cells (C, D). For data in A-D, graphed are the representative of one of 3 independent experiments



Supplemental Figure 4 Western-blotting analysis of the effect of NAT10 depletion by shRNA knockdown BH3-only proteins Bim and PUMA in U937 and MV4-11 cells.