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Epigenetically induced ectopic expression of UNCX impairs the proliferation and differentiation of myeloid cells

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Contributions: GD and CTS conceived the study and wrote the manuscript. II, SF, and GM participated in the design of the study. GD, II, ML, EM, VM, OP, GS, AP, and CTS drafted the manuscript. GD, AL, HQ, HDG, JD, OP, MC, RMM, and AP performed the molecular genetic studies and performed the statistical analysis. CF and TM performed the bioinformatic analyses. ML, FM, and GD performed the retrovirus-mediated gene transfer. EM and VM performed the methylation study and performed the statistical analysis. II and NN performed DNMT3A mutational analysis. GS performed the clinical correlation analysis. MP, EO, CB, NT, and CP provided the biological samples of the patients. All authors read and approved the final manuscript.