

### **Description of Additional Supplementary Files**

File Name: Supplementary Data 1

Description: Topologically associated domains (TADs) in human CD34+ cells

File Name: Supplementary Data 2

Description: Correlations, differentially expressed genes & differentially methylated cytosines

File Name: Supplementary Data 3

Description: Pathway analyses in correlations or differentially expressed genes

File Name: Supplementary Data 4

Description: Gene architecture biases

File Name: Supplementary Data 5

Description: Enrichment/Depletion of histone marks and Transcription Factors.

File Name: Supplementary Data 6

Description: Integrative analysis of leukemic samples and normal cells.