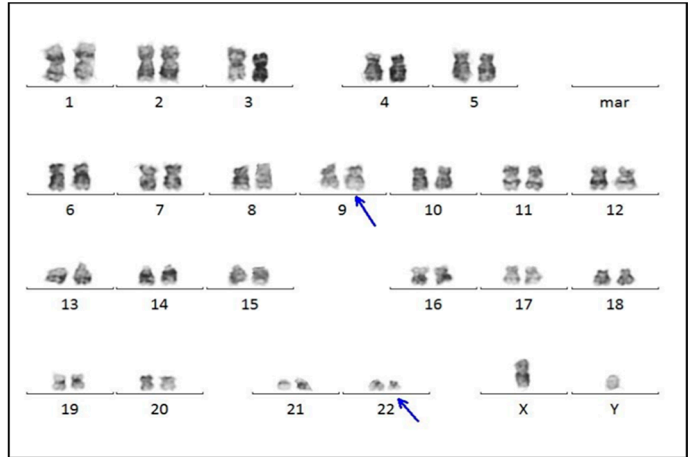
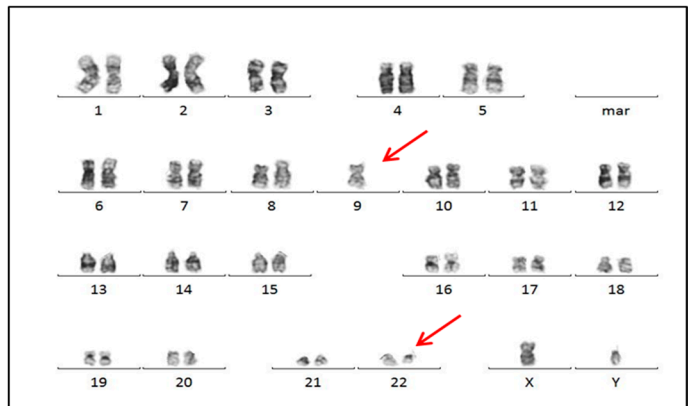
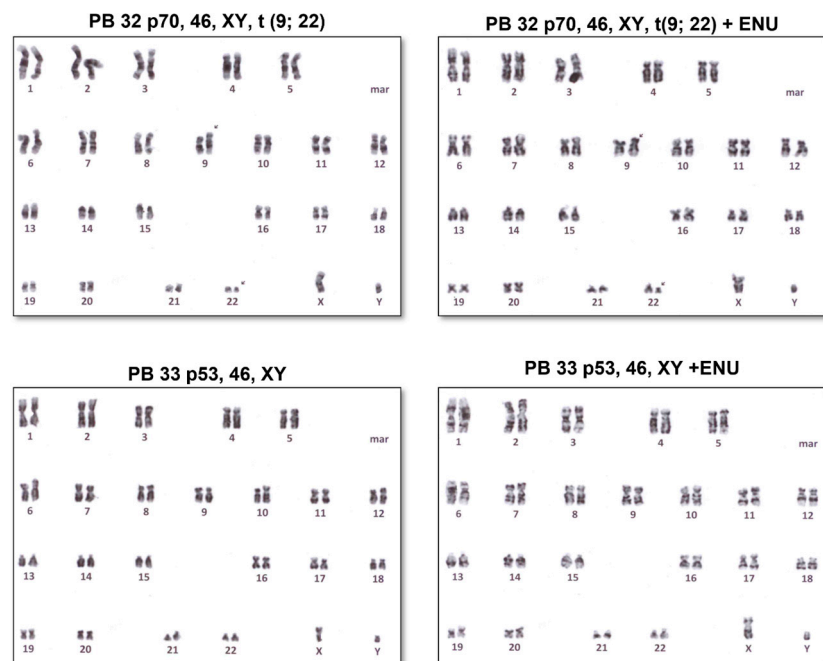
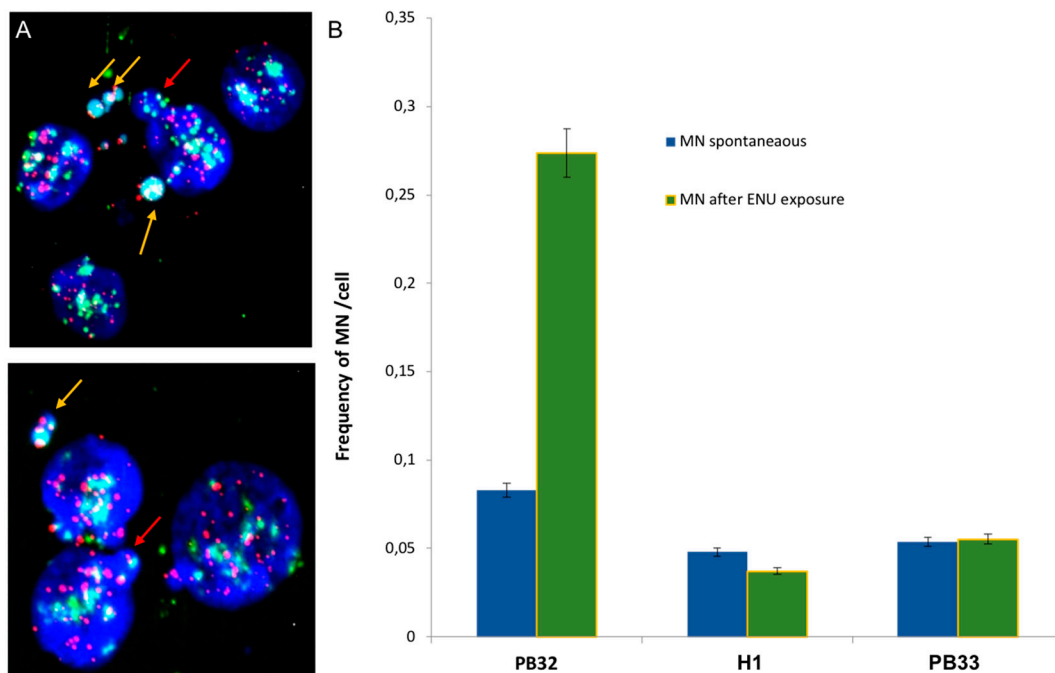


**A****B**

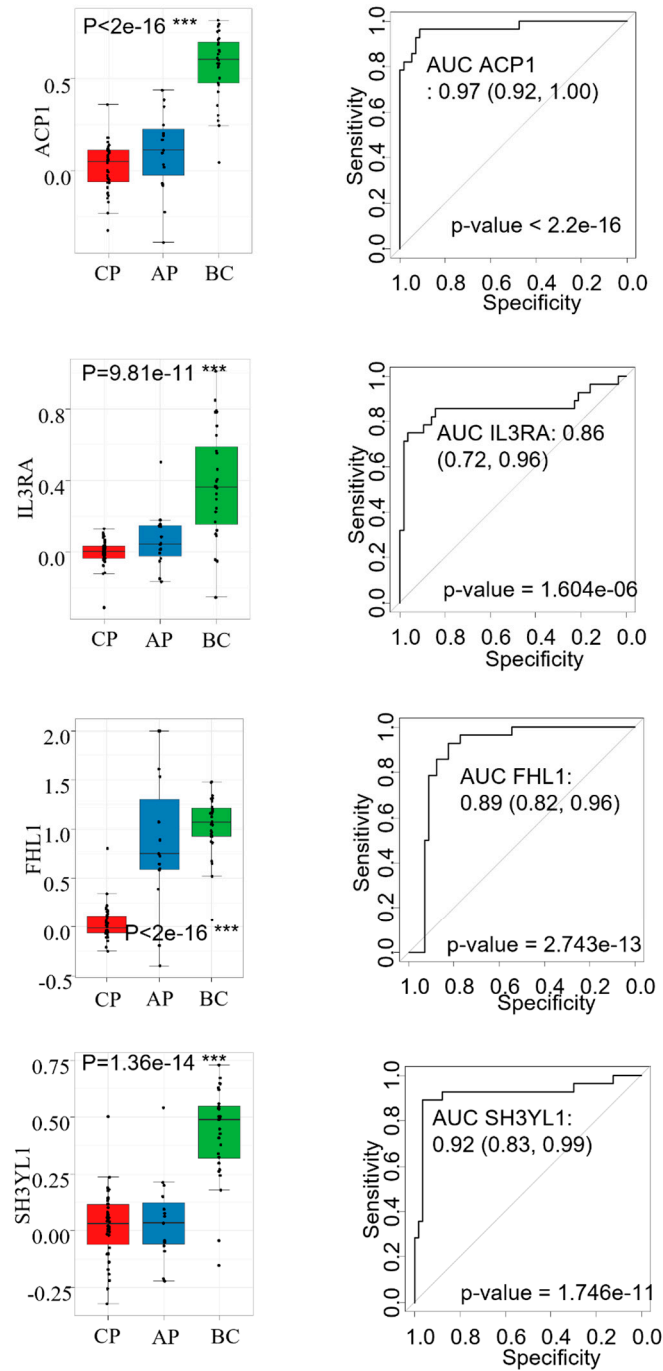
**Supplementary Figure S1: Evaluation of additional chromosome abnormalities in CML-iPSC after longterm ENU culture. (A) Karyotype of CML IPSC with Ph1 chromosome and 9q+. (B) CML IPSC karyotype after 2 months of ENU exposure showing loss of Chromosome 9.**



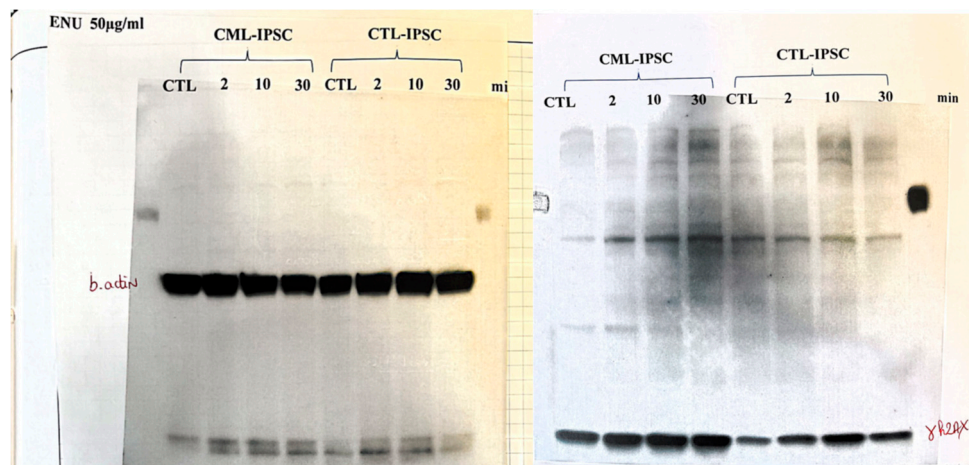
**Supplementary Figure S2: Representative cytogenetic analyses of PB32 (CML-IPC) and PB33 (control iPSC) showing with and without long term ENU culture. P53: passage 53, P46: passage 46.**



**Supplementary Figure S3: Evaluation of global genomic instability by micronucleus assay in CML-IPSC, control iPSC and human embryonic stem cell line H1 cell line before and after ENU exposure. (A)** Photograph of CML-IPSC colonies after ENU exposure. Yellow Arrow show micronucleus and white arrow shows nucleus bud (NBUD's). **(B)** Micronucleus frequencies of CML-IPSC compared to control ESC and iPSC with and without long term ENU exposure.



**Supplementary Figure S4:** Genes with negative correlation to CML progression.



Supplementary Figure S5: Whole of western blot