| Genes Included for Assessment in the Current Study |
|--------------------------------------------------|
| UTP3, KMT2E, PBRM1, −0.55, NAA60, HDAC3, HMGN3, −0.54, 0.41, 6.83E-10, −0.44, SMCHD1, TBL1XR1, MACROH2A2, KDM3A, CBX6, USP49, HASPIN, DAPK3, DAXX, PRMT6, EZH2, EPC2, KDM4B, 1.27E-16, SMARCA4, Pearson correlation, GFI1B, HDAC8, AEBP2, ING2, SMARCB1, PHF1, FOXA1, CHD3, −0.44, CHD5, 0.56, USP3, PRKAA2, CARM1, KDM5B, PRKCB, HCFC1, KMT5A, BAP1, 7.82E-17, 0.52, EYA3, −0.53, LOXL2, FOXA3, NSD3, RNF40, HDAC5, RRP8, KANSL2, HLTF, ANP32E, −0.40, SUV39H1, −0.42, CHD1, JMJD6, KDM4E, BUD23, −0.45, KAT6B, 1.11E-21, DPF3, LRWD1, 0.47, −0.52, −0.48, 0.52, 1.86E-09, MORF4L1, 0.46, CTCF, 0.57, SATB1, BAZ2A, USP21, MEN1, BRDT, BEND3, 2.5E-09, ENY2, −0.60, MYSM1, ALKBH4, SMARCE1, 1.3E-09, 0.55, HDAC9, P value, KDM5D, IKZF1, DMAP1, SMYD3, BANP, SUV39H2, EHMT1, VPS72, 2.32E-12, TDG, COPRS, Genes to the length of prognosis |

**Table S1**

| Genes |
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| AEBP2 |
| AMCO1 |
| ARID2 |
| ASH2L |
| BAP1 |
| BBRX |
| BUB1 |
| CARM1 |
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