



Supplementary Figure S5. Effect of siRNA knockdown of HMTases G9a, SUV39H1 and SUV39H2 on formation of H3K9me3 within the *p16* promoter and *p16* expression in the CBX7 stably transfected subclone-2. (A), Transcription of *G9a*, *Suv39h1* and *Suv39h2* was knockdown 72hrs after treatment of *siR-G9a*, *Suv39h1* and *Suv39h2*, respectively. Transcription of *Suv39h2* was increased by *siR-Suv39h1* treatment significantly. (B), comparison of H3K9me3 level within the *p16* promoter by the PS4-ChIP assay 72 hrs after treatment of *siR-G9a*, *Suv39h1* and *Suv39h2*, respectively. Significant decrease of H3K9 trimethylation was observed compared with the *shR-Scramble* control cells. (C), comparison of *p16* mRNA level 72 hrs after treatment of *siR-G9a*, *Suv39h1* and *Suv39h2*, respectively.