



Supplementary Figure S1. DHPLC chromatogram of methylation status of *p16* CpG island in human cancer cell lines. Conditions for bisulfite PCR amplification and DHPLC detection was described previously (Luo et al., 2006). Methylated-*p16* was observed among 6 cell lines: AGS, HCT116, Colo205, MHCC97H, PC3, RKO, and SW480. HCT116 is *p16*-hemimethylated. Ratio of the methylated-*p16* peak area to the unmethylated-*p16* peak area of HCT116 cell was used as the adjusting constant for calculation of proportion of methylated-*p16* alleles in the tested samples showed on Figure 8.