



Supplementary Fig. 3. Clustering of joint profiles of DNA damage and repair (DDR) gene methylation and mutation signature levels. (A) The promoter methylation levels of 254 DDR genes were merged with those of mutation signature levels and were subject to hierarchical clustering. Inlet shows that the methylation levels of MLH1 and ALKBH3 were segregated with the level of Sig.#6. (B) Scatter plots showing the level of correlation of gene methylation (x-axis) and expression (y-axis) with the level of Sig.#6 highlighting the MLH1 and ALKBH3 deficiencies. (C) The correlation of MLH1 expression and methylation levels are shown in a scatter plot (red-dots for MLH-H cases). (D) Similarly shown for ALKBH3.