

## **Description of Additional Supplementary Files**

File Name: Supplementary Data 1

Description: The differentially expressed genes (DEGs) in shPRMT2-1 and shPRMT2 compared with shScr (fold change $\geq$ 2 and FDR $\leq$ 0.05) in U87.

File Name: Supplementary Data 2

Description: Differentially expressed genes in shPRMT2-1 compared with shScr in TPC1115 (fold change $\geq$ 2 and FDR $\leq$ 0.05).