



**Supplementary Figure 1 mRNA expression and protein level of MGMT.** A: mRNA expression of MGMT after treatment of DNMTs inhibitor 5-aza for 48, 72 h. GAPDH was used as the control to normalize MGMT expression; B: MGMT protein level after O<sup>6</sup>-BG treatment by western blot; C: Cell viability of malignant transformed cells upon O<sup>6</sup>-BG treatment. The analyses were repeated three times, and the results were expressed as mean  $\pm$  SD. <sup>a</sup>*P* < 0.05; <sup>b</sup>*P* < 0.01.

**Supplementary Table 1 The clinic pathological characteristics of gastric tumor tissues**

<b>Clinicopathological features</b>	<b>Case No.</b>
Gender	
Male	33
Female	17
Age	
Mean (Range)	(47-85)
< 60	21
≥ 60	29
Tumor size	
< 2.0 cm	27
≥ 2.0 cm	23
Depth of invasion	44
T1	16
T2	14
T3	18
T4	2
Lymph node metastasis	
N0	23
N1	25
Distant metastasis	
M0	48
M1	2
TNM stage	
I	18
II	11
III	17
IV	4

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Histological grade

High 18

Moderate 24

Poor 8

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