

Table S1. Criteria for MGMT staining interpretation.

MGMT expression	References
Intact: nuclear staining in any tumor cells	Kulke MH et al. [9]
Deficient: complete absence of nuclear staining in all tumor cells	
Intact: nuclear staining in $\geq 10\%$ of tumor cells	Ekeblad S et al. [10]
Deficient: nuclear staining in $< 10\%$ of tumor cells	
Intact: Allred score* ≥ 4	Allred DC et al. [22]
Deficient: Allred score < 4	

*Immunoreactivity was scored into four categories according to the intensity of the staining: 0, 1+, 2+ and 3+. The percentage of positive tumor cells was also scored semiquantitatively on a six-tiered scale: 0(0%), 1 ($\leq 1\%$), 2 (1-10%), 3 (11-33%), 4 (34-66%) and 5 ($> 66\%$). The sum of both intensity and percentage scores defined the final score, which was classified as negative (score 0), weak (score 1-3), moderate (4-6) or strong (score 7-8).