A) Methylated $MLH1$  
Unmethylated $MLH1$  
$ALU$ repetitive element

Experimental sample

Cell 1

Cell 2

Cell k

M.Sssl-treated Control

Cell 1

Cell 2

Cell n

B) Medium $ALU C(t)$  
High $ALU C(t)$  
Low $ALU C(t)$  

Very Low $ALU C(t)$

C) $PMR = \frac{\# \text{Methylated } MLH1-\text{Exp. Sample (B)}}{\# \text{ALU-Exp. Sample (G)}} \times 100$

$\frac{\# \text{Methylated } MLH1-\text{M.Sssl treated control (B')}}{\# \text{ALU-M.Sssl treated control (G')}}$