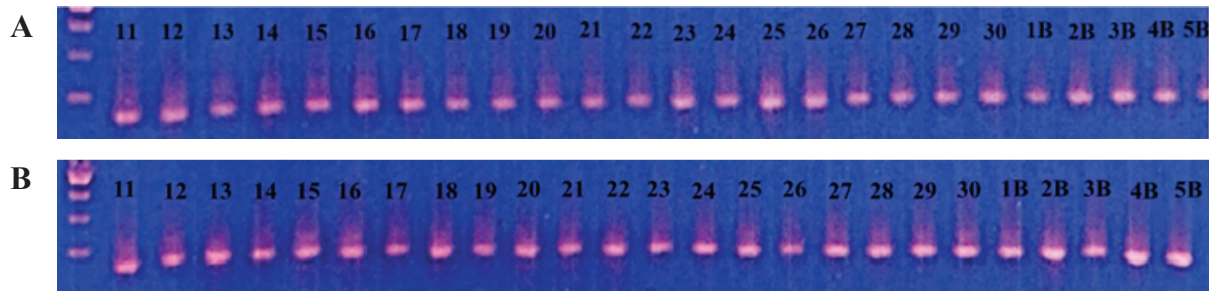


Supplementary 1.

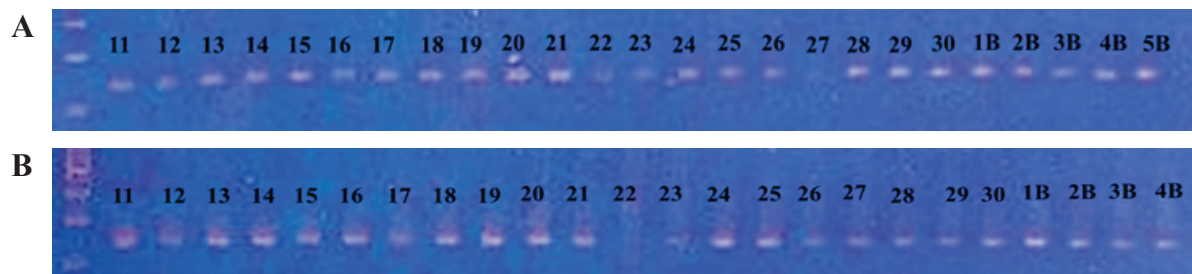
Electrophoresis results of MSP products of the *MMP-9* gene.



A: PCR amplification using methylated-specific primers, where visible bands reflect methylated CpG sites within the promoter (~108 bp).
B: PCR amplification with unmethylated-specific primers, identifying alleles lacking methylation (~108 bp).

Supplementary 2.

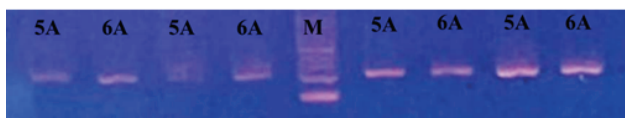
Electrophoresis results of MSP products of the *HLA-9* gene.



A: PCR amplification using methylated-specific primers, where visible bands reflect methylated CpG sites within the promoter (~292 bp).
B: PCR amplification with unmethylated-specific primers, identifying alleles lacking methylation (~258 bp).

Supplementary 3.

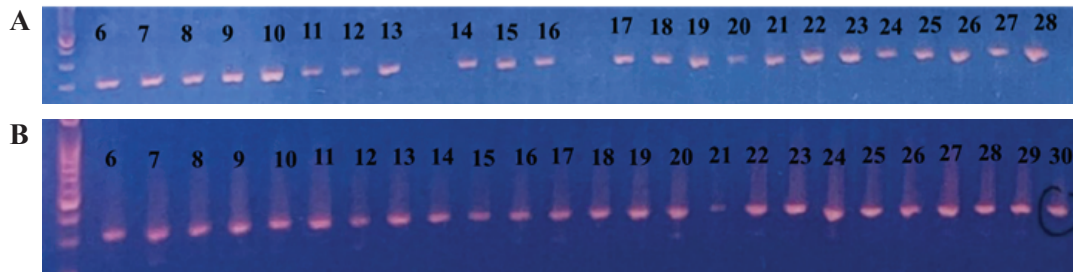
Electrophoresis results of MSP products of the *VEGF* gene.



Left: PCR amplification using methylated-specific primers, where visible bands reflect methylated CpG sites within the promoter (~205 bp). Right: PCR amplification with unmethylated-specific primers, identifying alleles lacking methylation (~207 bp).

Supplementary 4.

Electrophoresis results of MSP products of the *sEng* gene.



A: PCR amplification using methylated-specific primers, where visible bands reflect methylated CpG sites within the promoter (~326 bp).
B: PCR amplification with unmethylated-specific primers, identifying alleles lacking methylation (~326 bp).