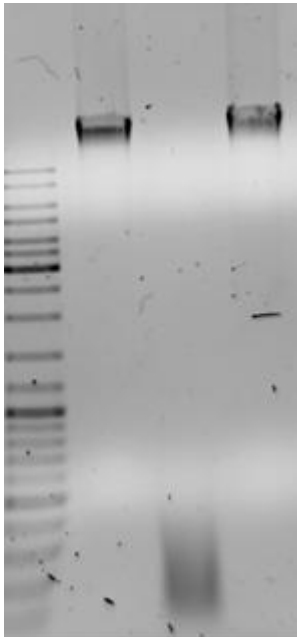


M HinfI MboI ND



HinfI – recognizes and cleaves the sequence 5'-GATC-3'

MboI – recognizes and cleaves the sequence 5'-GATC-3'

For the analysis also other restriction endonucleases were used.

Inability to cleave GATC sequences within *P. aminophilus* JCM 7686 genomic DNA shows that the sequences were methylated (and therefore protected) by CcrM methylase. Analogous analysis was performed with the cloned JCM7685_3079 gene in an *in vitro* experiment.