PCR for Porphyromonas gingivalis and fimA genotypes

Shuang Pan,Yi Liu,Yi Si,Qiang Zhang,Lin Wang,Jianwei Liu,Chunling Wang,Shuiqing Xiao

Abstract

Citation: Shuang Pan,Yi Liu,Yi Si,Qiang Zhang,Lin Wang,Jianwei Liu,Chunling Wang,Shuiqing Xiao PCR for Porphyromonas gingivalis and fimA genotypes. **protocols.io**

dx.doi.org/10.17504/protocols.io.jskcncw

Published: 12 Sep 2017

Protocol

Set up the following reaction on ice. PCR amplication consists of 4.5ul 10*PCR buffer,0.25 mM of each dNTP,10 uM of each primers, 5 ul of template DNA, and 1.5 units of Taq DNA polymerase, and sterile Tris-distilled water,to a total volume of 25 ul.

Step 1.

PCR amplication was carried out in a Tetrad Thermal Cycle. Each sample was amplified for 5 min at 94℃and 30 cycles, with each cycle consisting of denaturation at 94℃ for 30 sec, annealing at 58℃ for 30 sec, extension at 72℃ for 1 min, and final extension for 10 min.

Step 2.

The amplified products were then electrophoresed on 1.5% agarose gel in Tris-acetate buffer (40 mM Tris acetate, 1 mM EDTA, pH8.0). The products were visualized with ethidium bromide by UV transillumination.

Step 3.