Title : Digestion pattern of pBK549 (Succesful)

Date:

03072019

Objective:

To check if the plasmid extracted from the bacteria that contains that plasmid is what we think it is, according what was sent by Benoit and Agnes from ETH

Method

- Digestion with EcoRv and Pvull enzymes from the general stock
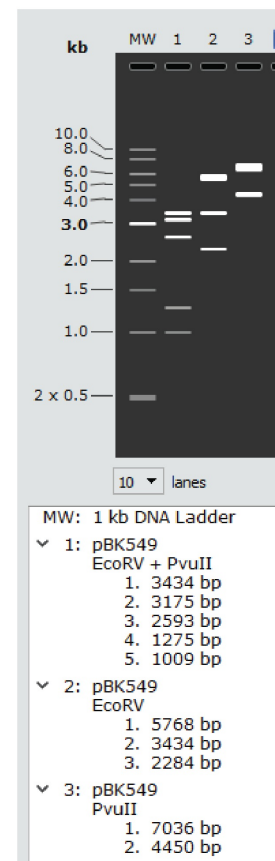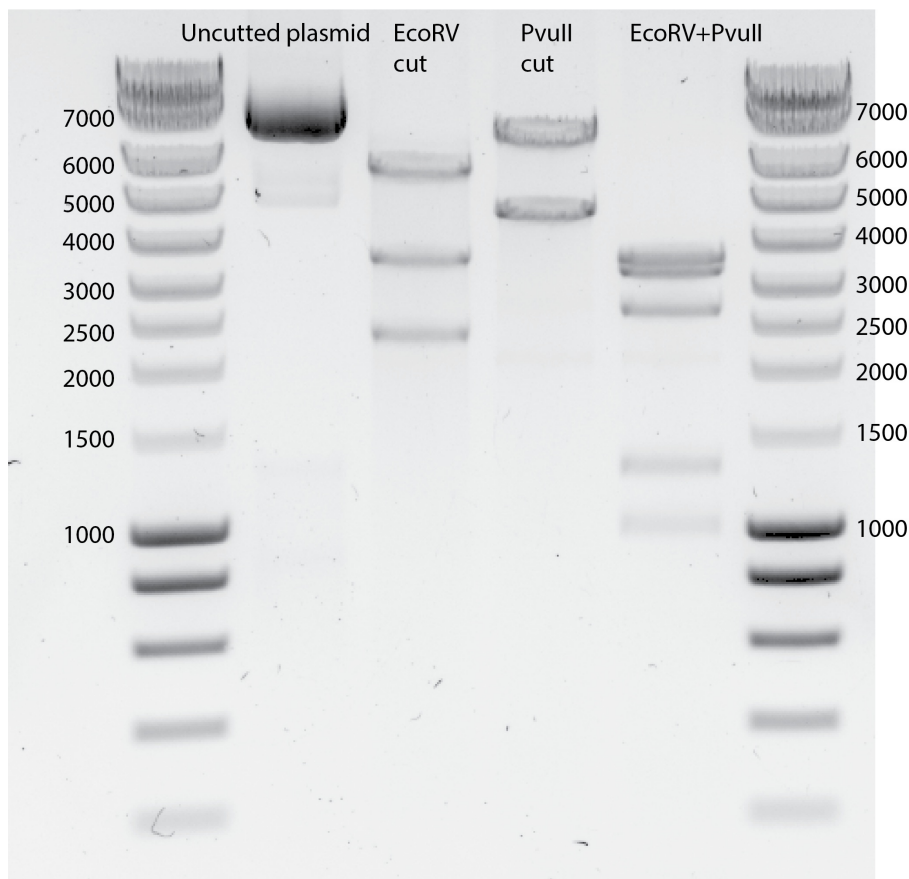- Using 3ml of bacterial culture from plasmid extraction, using Promega Miniprep Kit

Protocol

Digestion mix

- Final volume of 20ul
- 15,5ul MiliQ
- 2ul plasmid
- 2ul cut smart buffer
- 0,25ul of EcoRv
- 0,25ul of Pvull

Incubation at 37C for 1 hour, without shaking

Imaging

Results 😊

Uncutted plasmid	EcoRV cut	PvuII cut	EcoRV+PvuII	

Gel ladder labels (left and right): 7000, 6000, 5000, 4000, 3000, 2500, 2000, 1500, 1000

Reference gel (right):

kb · MW 1 2 3

10.0
8.0
6.0
5.0
4.0
3.0
2.0
1.5
1.0
2 x 0.5

10 ▼ lanes

MW: 1 kb DNA Ladder
˅ 1: pBK549
    EcoRV + PvuII
        1. 3434 bp
        2. 3175 bp
        3. 2593 bp
        4. 1275 bp
        5. 1009 bp
˅ 2: pBK549
    EcoRV
        1. 5768 bp
        2. 3434 bp
        3. 2284 bp
˅ 3: pBK549
    PvuII
        1. 7036 bp
        2. 4450 bp

Conclusion