

Digest

In this project the restriction digest was primarily used as a control of the created plasmid as well as the linearization of the plasmids for the successful cloning into the yeast *Pichia Pastoris*.

For a control digest, a fitting enzyme must be chosen, ideally creating parts with different sizes that can be seen on an analytical gel after electrophoresis.

Digest mix:

- 0,5µL restriction enzyme
- 1µL sample
- 1µL CutSmart buffer (company NEB)
- 7,5µL dH₂O

The digest mix was incubated for 2 hours at the ideal temperature for the restriction enzyme, all enzymes used in this project had an ideal temperature of 37 degrees Celsius and loaded on an analytic gel afterwards.