Native DNA PAGE

- For each gel (12%) use:
  - ◊ 3.35 mL Bisacrylamid (30 %)
  - ◊ 6.15 mL nuclease-free H_2O
  - ◊ 0.5 mL 10x TBE buffer
  - ◊ 200 µL APS (10 %)
  - ◊ 10 µL TEMED (99%)
- Pour the solution quickly into the gel casting form.
- Insert comb without getting bubbles stuck underneath.
- Leave the gel at room temperature for >60 minutes to polymerize.
- Preparing the sample:
  - ◊ 10 µL DNA sample
  - ◊ 4 µL Loading Dye (6x, SDS free)
  - ◊ 6 µL nuclease-free H_2O
- Running the gel:
  - ◊ Load the samples and DNA ladder into the gel pockets.
  - ◊ Connect the power lead and run the gel with 60 V for ~2 h (for small fragments, ~80 bp).
- After finishing the PAGE, remove gel from gel casting form and transfer it into an ethidium bromide bath.