

RESTRICTION DIGEST OF GENOMIC DNA

1. Set up digest as follows. Aim to use 5- 10 μg maize DNA or 1-2 μg Arabidopsis DNA.

18 μl DNA plus H_2O

3 μl 10 x enzyme buffer (manufacturer's)

3 μl 10 mM spermidine

3 μl 1 mgml^{-1} BSA

3 μl enzyme

2. Incubate at appropriate temperature for enzyme (normally 37°C) for 4 h.
3. Add 5 μl 2 x **stop dye** and load on gel alongside uncut DNA to check digest.

2 X Stop Dye (20ml)

1% SDS

2 ml 10%

0.1% bromophenol blue

2 ml 1%

10 mM EDTA

400 μl 0.5 M

20% Ficoll

4 g