

DGGE: Denaturing Gradient Gel Electrophoresis

Samples from different microbial communities

Extract DNA from each community

Add GC clamp (anchors DNA together once it's denatured)

PCR fragment

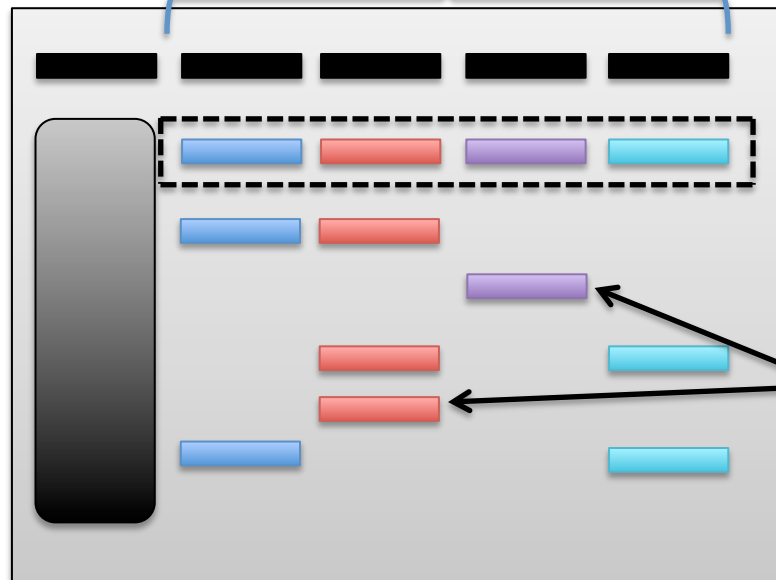
GC clamp

Denatured PCR fragment

GC clamp

Each lane represents one microbial community

Denaturing gradient
Charge
+



Shared genes amongst communities

Unique genes within the communities