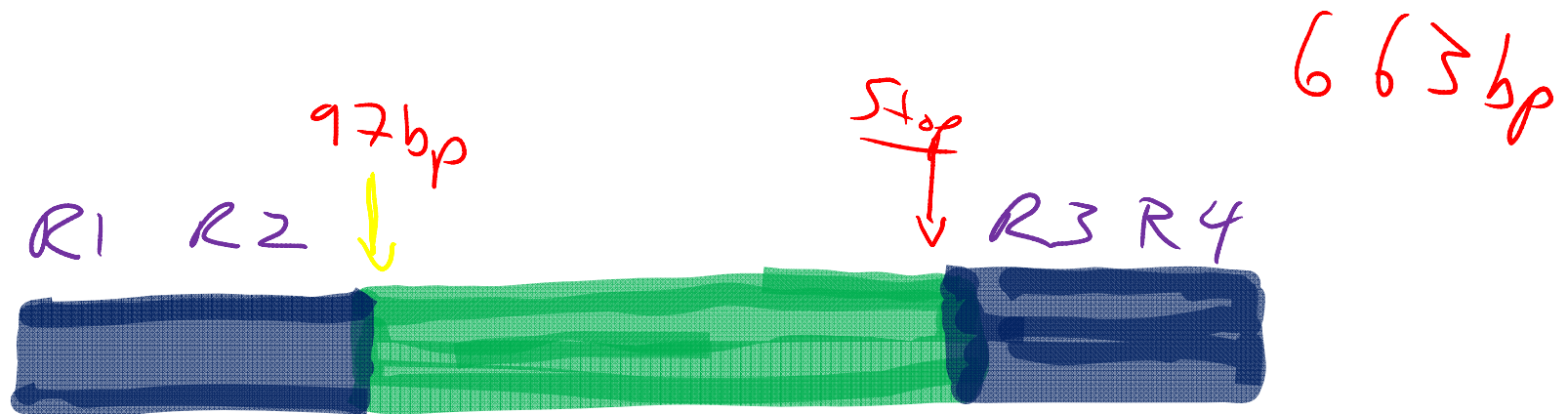


# CLEAN+CUT DNA

MOD 1 DAY2

THURSDAY SEPT 11 2008

# RECALL...



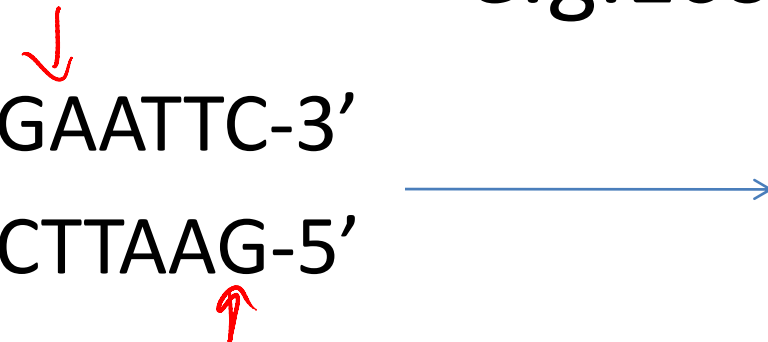
EGFP $\Delta$ 5

R1 = XbaI  
R2 = BamHI

R3 = EcoRV  
R4 = EcoRI

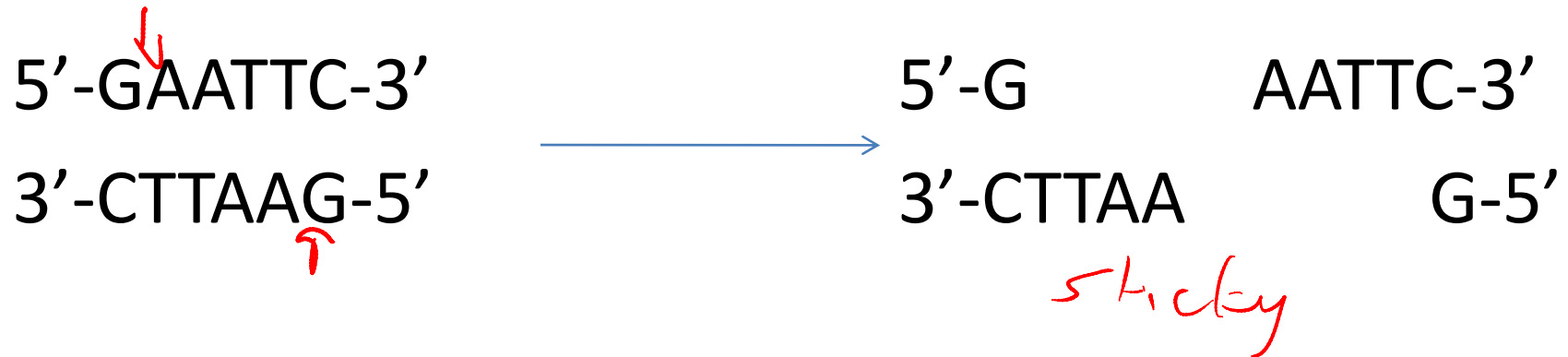
# RESTRICTION ENZYMES

e.g. EcoR1

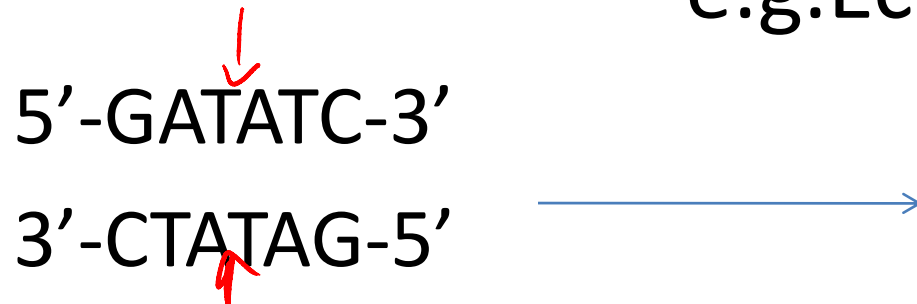
- 5'-GAATTC-3'
  - 3'-CTTAAG-5'
- 

# RESTRICTION ENZYMES

e.g. EcoR1

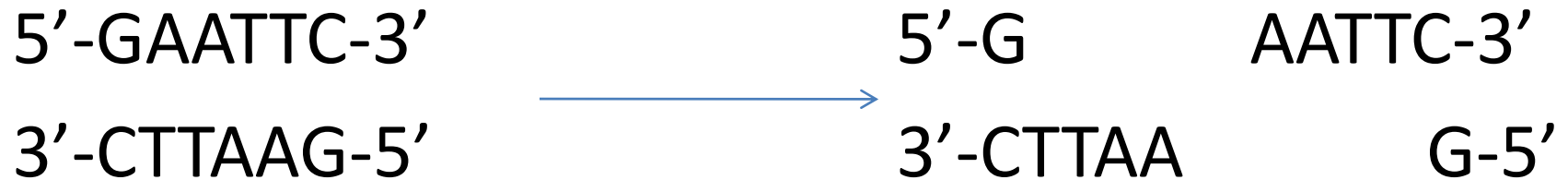


e.g. EcoRV



# RESTRICTION ENYMES

e.g. EcoR1

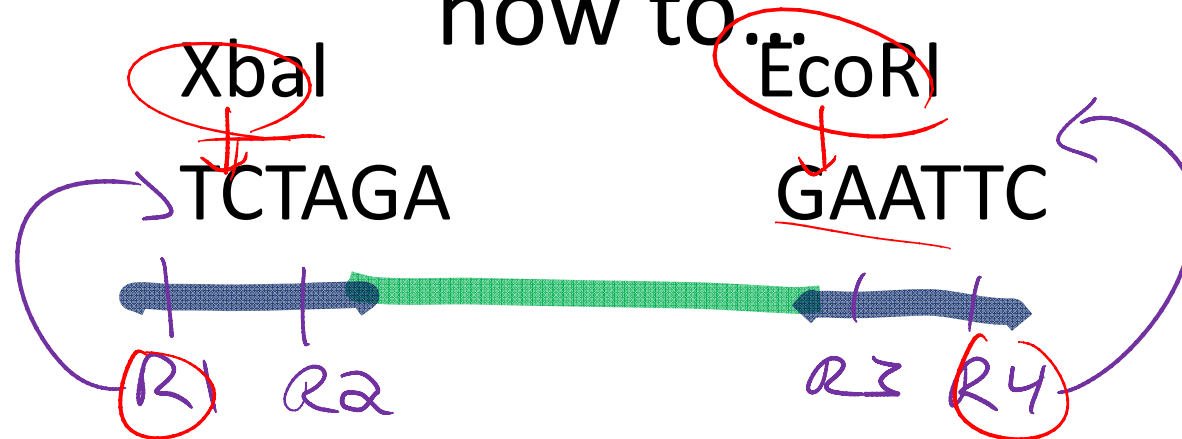


e.g. EcoRV



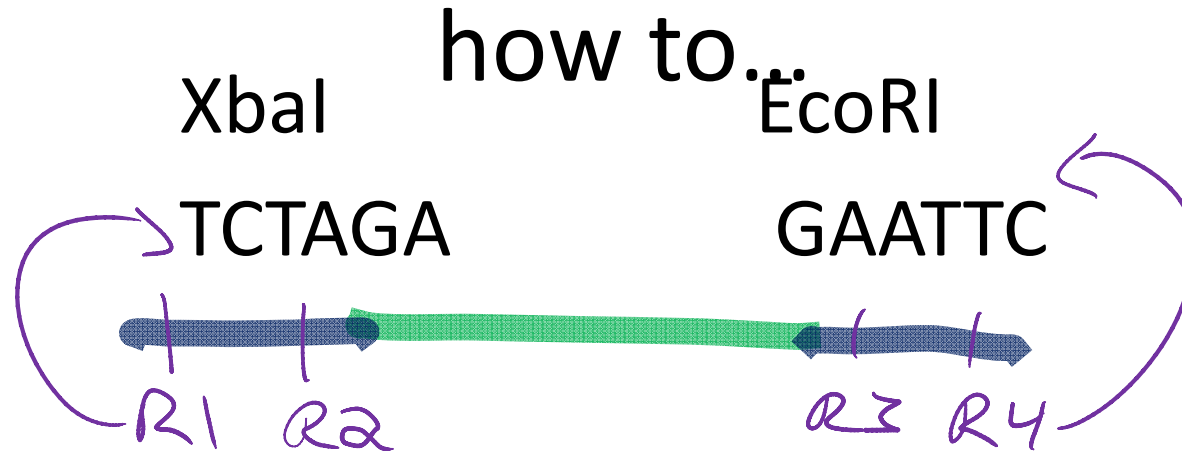
# SETTING UP A RESTRICTION DIGEST:

how to



Can you digest DNA  
w/ both XbaI + EcoRI  
@ the same time?

# SETTING UP A RESTRICTION DIGEST:



Final Rxn Volume = 25  $\mu$ l

20  $\mu$ l PCR product  $\leftarrow$  \*

2.5  $\mu$ l 10x NEB2

H<sub>2</sub>O to final volume

\*Cleaned up....

# Current Uncertainties

1. Did PCR work?
2. Did Digest work?