

DNA Engineering

M1D5

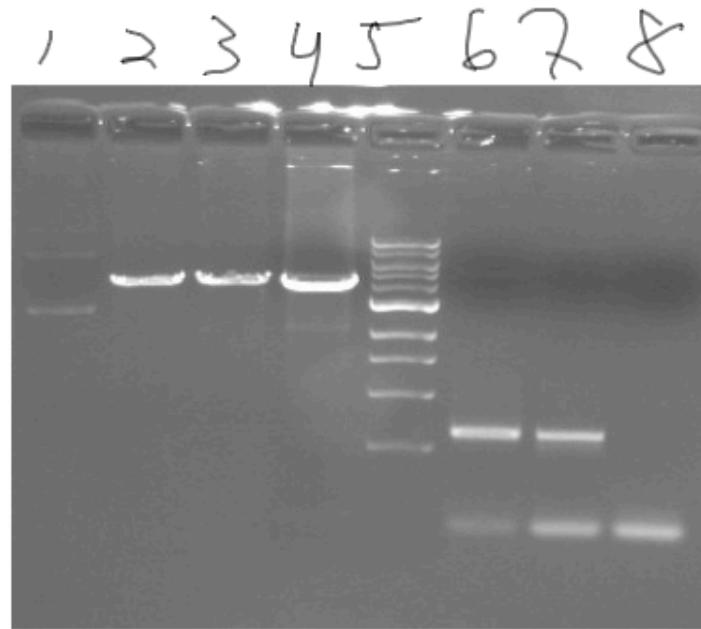
20.109

09.28.10

Quick review of figures and legends

Fig #. Title

Agrose gel
electrophoresis



+ ladder bp

was used to isolate bkb λ (Xba) + frag(556bp).

Untb λ -Xba (lane 1), tbz cot - -

Dark frag in lanes 4+6 were excise + UBD in ligated



Isolating DNA from bacteria: DNA Miniprep

- Harvest cells + aspirate media



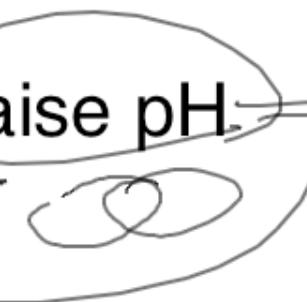


- Resuspend them

Soln I T_{BS} ~~EDTA~~ Glucose

- Lyse them + raise pH

Soln II NaOH - SDS -



Soln III KAc



- Restore pH

Save Sp after spinning

- Concentrate + wash

Sup + EtOH \rightarrow precipitated plasmid



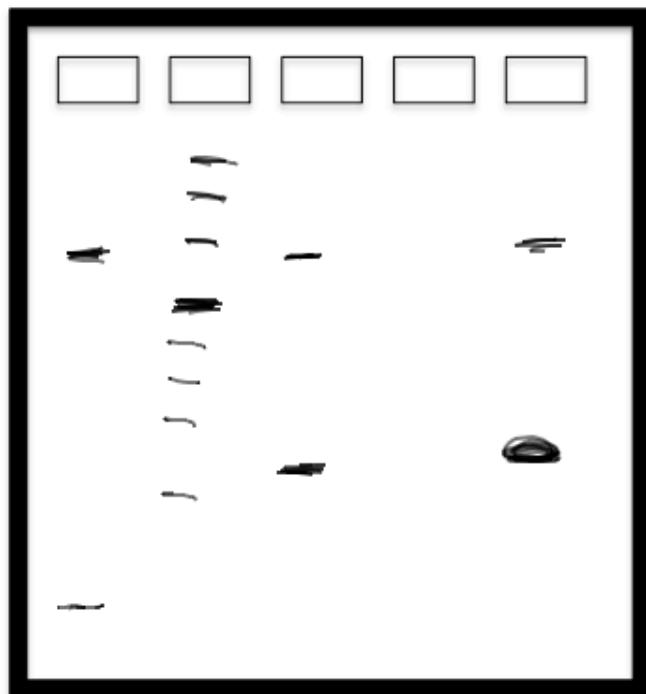
70% EtOH



AD

Diagnostic Digests: Xbal and RI?

$G - M + > 1$



ρ(X-WY)

$\rho(x \cdot u u x)$

96

~ 600

A diagram showing a large black circle with a point labeled 'X' at its top right. A horizontal line segment extends from the left side of the circle to a point labeled 'R' at its end, representing a radius.

- insert

+ insert

>1 insert



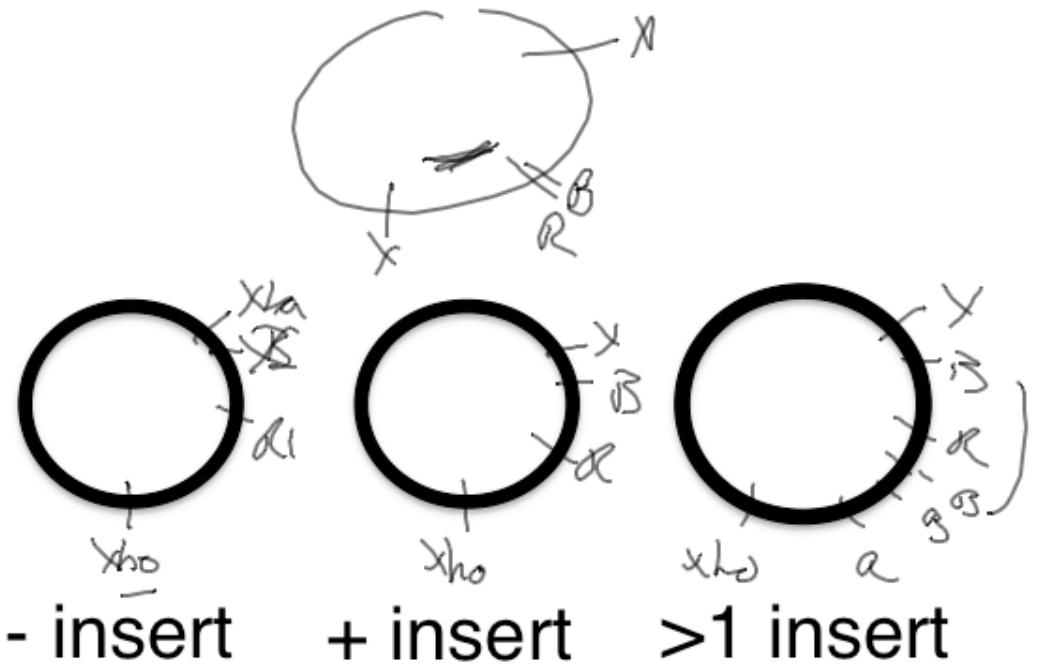
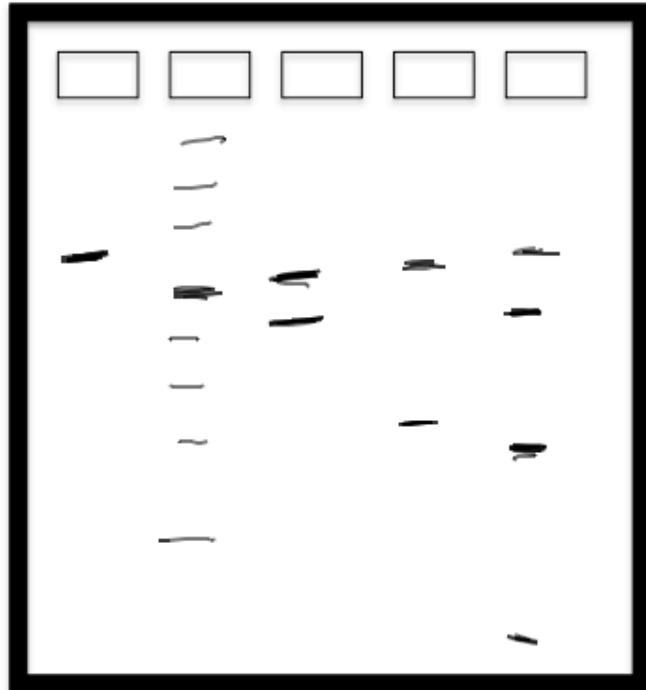


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1 new message from Inside Higher Ed Newsroom.

Diagnostic Digests: BamHI and XbaI?

$$- M + \textcircled{X} > 1$$



Also consider: compatible buffers, reaction temperatures, results if one enzyme doesn't cut



This week in lab:



minip / Digt / EWS

xchange papers w/partners



1/2 + L

1/2 gel/peer review



2- 4:30 in lab ?.



Team Color	5 ng pCX-EGFP	B+ i, no ligase	B, + ligase	B+ i, + ligase <i>list each plate</i>
RED	2,000	0	21	133,177
ORANGE	4628	0	21	871
YELLOW	6000	0	25	51,51
GREEN	5,000	12	108	544, 427
BLUE	2000	8	16	200, 260
PINK	4,320	4	30	336, 350
GRAPE	5720	8	60	302, 278
PLATINUM	640	32	8	25, 15

