

EXP. NUMBER	EXPERIMENT/SUBJECT	DATE	41	
NAME	LAB PARTNER	LOCKER/DESK NO.	COURSE & SECTION NO.	

~~6/5/12~~
~~made gel~~

6/6/12

- plated K174015, J04450
- made cultures for K174015, J04450, NRP-4, I13401
- plasmid preps of K174015, J04450

6/7/12

- made digest of K174015

6/11/12 -- Trying to find Nitrate Construct

- 6 "Unknowns"

- All "Nitrate Responsive Promoter"

- 6 slants

- labeled: 1, 2, 3, 4, 5, 6

- 12 samples taken

- 1, 1-Chlor, 2, 2-Chlor, ... 6, 6-Chlor

- Plated Chlor-resistant samples

- only 3-chlor grew

- Plasmid Preps for all 12 samples

- Digest for all 12: (recipe for 14 - account for mistake)

- 6 x dH₂O

- 2 x NE Buffer 2

- 10 x DNA

- 1 x Eco RI (Enzyme)

- 1 x Pst I (Enzyme)

SIGNATURE	DATE	WITNESS/TA	DATE
-----------	------	------------	------

EXP. NUMBER	EXPERIMENT/SUBJECT	DATE	
			42
NAME	LAB PARTNER	LOCKER/DESK NO.	COURSE & SECTION NO.

6/11/12

-PCR

- Enzyme Solution

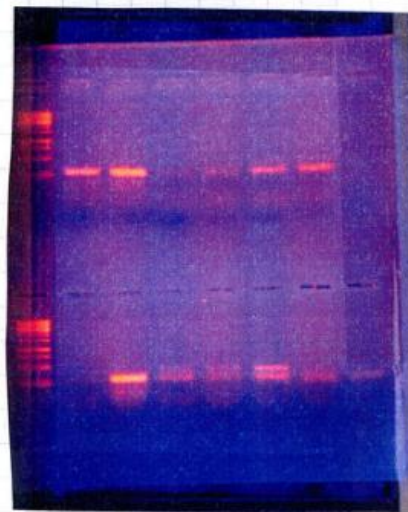
dH ₂ O	17 λ	$\times 14 = 238$
Buffer	2.5 λ	= 35
MgCl ₂	1.5 λ	= 21
VR	1 λ	= 14
VF ₂	1 λ	= 14
dNTP	1 λ	= 14
Top	.5 λ	= 7
	<u>* 24 λ</u>	

* really 24.5 λ this time
and 25 λ the other times
but just be consistent

- gel

Ladder ~~XXXXXXXXXX~~

-PCR gel

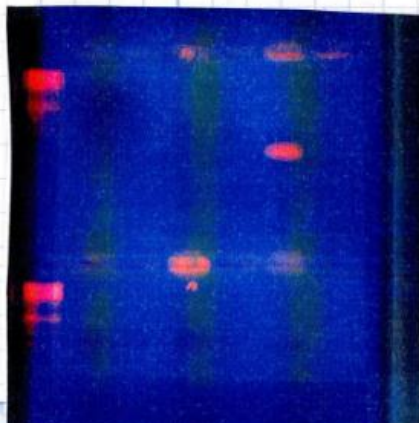


6/12/12

Run gel

Top	1 KB Ladder	1 Digest	1-C digest	2 digest	2-C digest	3 digest	3-C digest
Bottom	1 KB Ladder	4 digest	4-C digest	5 digest	5-C digest	6 digest	6-C digest

- Only 3 Digest
showed a band
- large at bottom
- faint at top
- others = not visible



SIGNATURE	DATE
-----------	------