

**Sunday 10/11/09**

Nick helped with the lab work today ☺

*DNA purification of revised Pu promoter from colony PCR on 10/10/09*

DNA purification was done according to the protocol on 8/5/09 using 40 uL of the PCR reaction. The DNA was eluted in ultra pure water.

*Nanodrop of DNA purification of revised Pu promoter*

The nanodrop was done according to the protocol on 7/25/09.

*Digestion of revised Pu promoter and GFP generator*

The digestion was done according to the protocol on 7/25/09 and the reagents were mixed in the following proportions for 500 ng of total DNA.

	Sample	
Reagent (uL)	Revised Pu promoter #1	GFP gen # 3
DI water	17.5	38.5
NEB 2 buffer	5	5
BSA	0.5	0.5
DNA	25	4
EcoRI	1	1
XbaI	XXX	1
SpeI	1	XXX

## Results

*Nanodrop of DNA purification of revised Pu promoter*

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Sample ID	ng/uL	A260	260/280	260/230	Constant
Revised Pu prom #1		21.54	0.431	1.89	2.11 50
Revised Pu prom #2		24.98	0.500	1.78	1.24 50
Revised Pu prom #3		26.51	0.530	1.60	1.03 50

Pu prom #1 showed the strongest peak so it was used for the digestion