

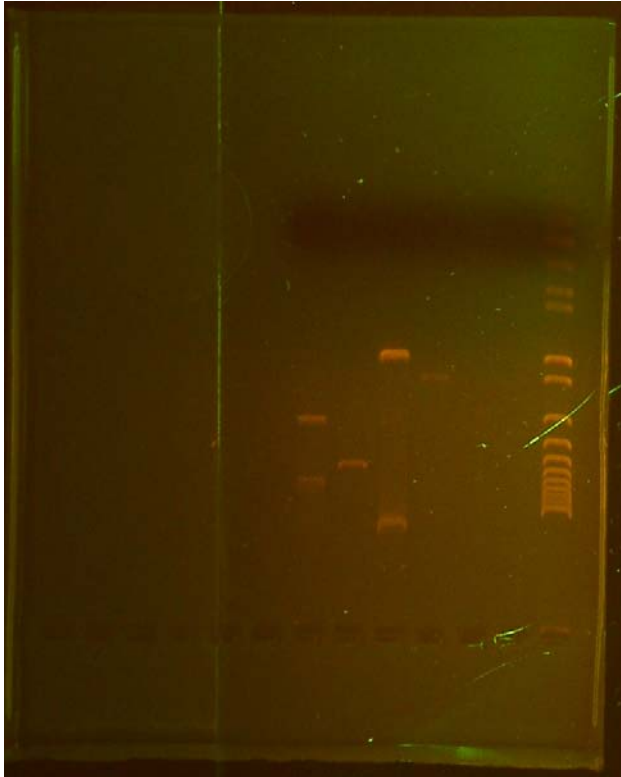
Monday 8/10/09

Gel of parts for ligation of Pu RBS GFP

A gel was ran according to the protocol on 7/27/09 with Sudarshan

Results

Gel of parts for ligation of Pu RBS GFP



Lane 1: Invitrogen 1 kb plus ladder (far right)

Lane 2: Pu promoter cut with EcoRI and Spe

Lane 3: Pu Promoter uncut PCR

Lane 4: GFP generator cut with XbaI and PstI

Lane 5: GFP uncut plasmid

Lane 6: leu Landing Pad cut with EcoRI and PstI

Lane 7: leu Landing Pad uncut plasmid

Digestion lengths

- GFP generator
 - Part: 878 bp
 - Plasmid backbone: 2079 bp
- Landing pad

- 5853 bp undigested
- Pu promoter PCR product
 - 490 bp

The Pu promoter showed very faint bands just under 500 bp which is consistent with the expected product. The GFP generator is inconclusive because only a band consistent with the plasmid backbone is shown. Another digest will be done comparing the GFP generator cut with one enzyme to determine the length of the plasmid to see if the part was cut out. The digested leu landing pad came out to be the expected length.