

# Lab Notebook

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## 1 Restriction digest part II

After digest on Friday indicated that the plasmid we thought was pMal-hRNASEH1 actually seems to be pcDNA3-hRH1 doing a follow up digest to confirm that.

### 1.1 Protocol

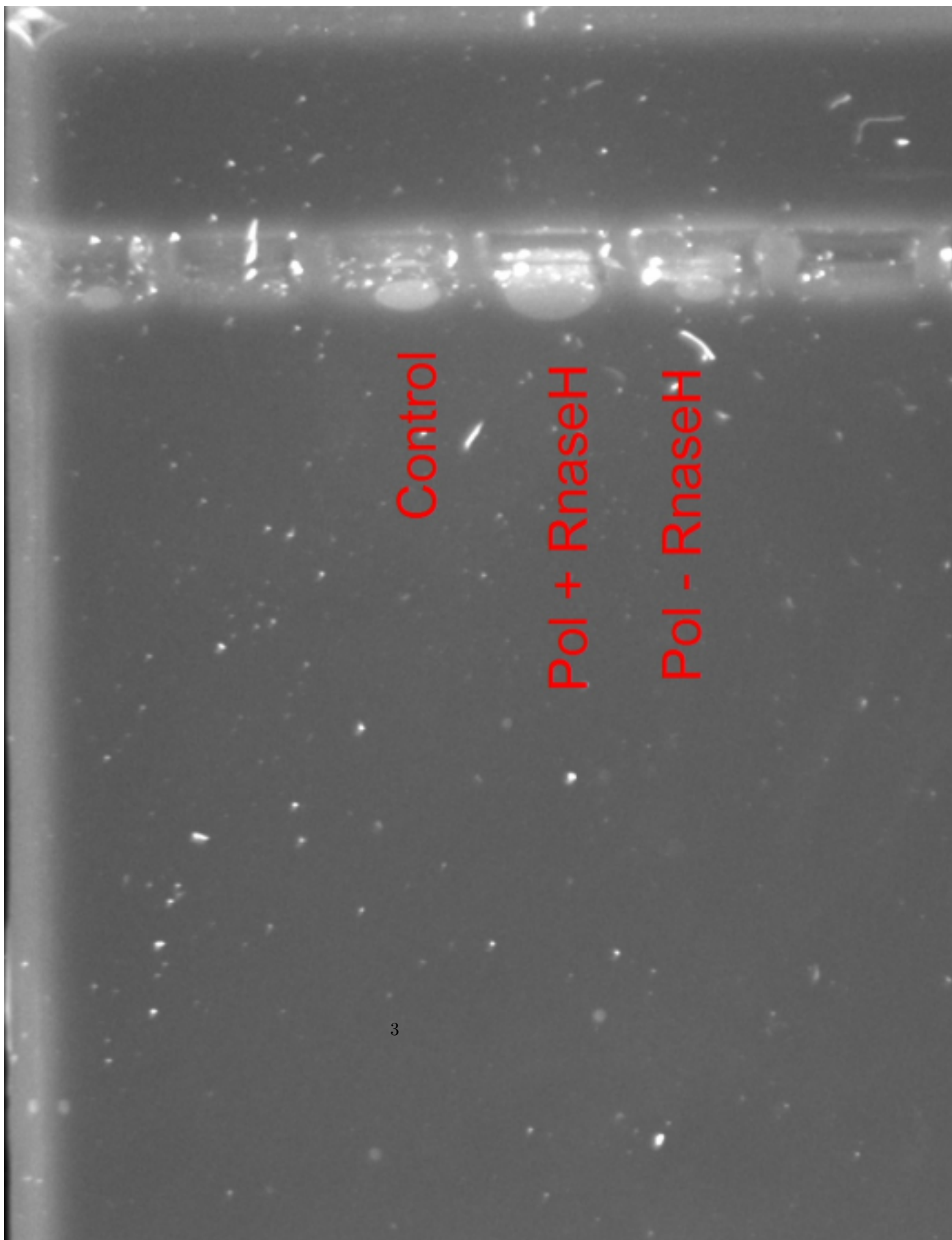
All units are in micro liters.

Reagent Name	Control	Digest 1	Digest 2
DNA	1.17	1.17	1.17
10x 2.1 buffer	2	2	2
NdeI	0	0.5	0
HindIII	0	0.5	0
EcoRI	0	0	0.5
RstI	0	0	0.5
H2O	16.83	15.83	15.83

Incubate all samples 1 hr at 37 C. Run on 0.8 % gel for 1 hr at 90 v. 1 ul DNA ladder. Samples loaded with 4 ul purple loading dye .



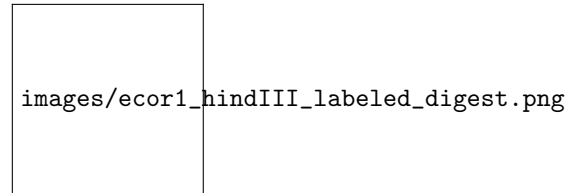
## 1.2 Expected results



MW: 1 kb DNA Ladder

- 1: pcDNA3-hRH1  
1. 6212 bp
- 2: pcDNA3-hRH1  
EcoRI + PstI  
1. 4045 bp  
2. 2167 bp
- 3: pcDNA3-hRH1  
HindIII + NdeI  
1. 5807 bp  
2. 405 bp

### 1.3 Gel image



Yep looks like its pcDNA3-hRH1, seeing expected bands at 2 and 4 kb with the EcoRI and Pst digest.