

July 7, 2014

Digestion of T7 RNA Polymerase + ER Intein

Purpose: To determine whether the ligation of N and C terminus T7 RNA Polymerase + ER Intein was successful

Table 1. Protocol for Digestion of T7 RNA Polymerase Intein Plasmids

Reagent	Amount (μ l)
10X FastDigest Buffer	1
Plasmid DNA	3
Restriction Enzyme XbaI	1
Restriction Enzyme SpeI	1
Total Volume	10

- Digest for 15 minutes (minimum)
- Run digestions in 1 % agarose gel
- Results: Insert was not present at the correct size, BioBrick + Killer Red Backbone was present

PCR to Construct T7 RNA Polymerase + ER Intein

- See protocol for PCR Reactions from July 3, 2014
- Clean up and store DNA in freezer

July 8, 2014

Repeated digestion, ligation and transformation from July 3, 2014

Streaked out Interlab Plasmids on LB + Cam plates (J23101 + E0240 and J23115 + E0240)