

# Lab Notebook Entry 11

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## Date Performed

5/3 after miniprep

## Procedure

2nd attempt PCR of t4 holin/endolysin gene fragment using less template

## Details

Purpose: Try again to make lots of our endolysin/holin gene fragment Materials: GET ICE FIRST. KEEP EVERYTHING COLD t4 endolysin/holin gene fragment, primers, PCR tubes, Q5 2x master mix, nuclease free water

## Protocol

Use the protocol for PCR in the 2017 Protocol file EXCEPT USE ONLY 1uL OF THE GENE FRAGMENT DNA. Use "holin/endolysin FOR" and "holin/endolysin REV" as primers. Use the following heat cycle program: 98C for 30secs, 30 cycles of [98C for 10secs, 62C for 30secs, 72C for 45secs], 72 for 2mins, 4C for infinity (just put in 99 hours or whatever the max is)