

Lab Notebook Entry 13

Date Performed

5/5/17

Procedure

3rd attempt PCR of Holin/endolysin with even 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 THIS TIME DILLUTE 2uL OF THE GENE FRAGMENT DNA IN 8uL OF PCR WATER IN A SEPERATE TUBE (label the tube and store in freezer box for future), THEN USE 1uL OF THAT AS TEMPLATE. 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)