

Lab Notebook Entry 17

Date Performed

5/8/17

Procedure

4th attempt PCR of holin/endolysin (tweaking program)

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: 95C for 30secs, 30 cycles of [95C for 10secs, 62C for 30secs, 72C for 45secs], 72 for 2mins, 4C for infinity (just put in 99 hours or whatever the max is)