

Lab Notebook Entry 30

Date Performed

17-May

Procedure

Gibson assembly of isolated switch with gibson ends and T4 endolysin and holin

Details

Purpose: Combine the PCR product of the original plasmid with our holin/endolysin gene fragment. Materials: Gibson assembly kit, pTlpA36 PCR product, holin/endolysin PCR product, two empty PCR tubes, ddH₂O

Protocol

Please take extra care during this procedure, each gibson reaction costs us about \$40 making it one of our more expensive procedures. Use the protocol for gibson assembly in the 2017 protocol file. Use 5uL of the 43.8ng/uL pTlpA36 PCR product (Sample D1) and 1uL of the holin/endolysin PCR product (H/E) in the reaction mixture.