July 31, 2017

Meeting Agenda:

Gibson Assembly using G-blocks and suspended DNA and Transformation

Today we spend a long day in the lab. A brief summary of the following protocols was that first we labeled reaction tubes, then added 100 microliters of TE buffer to G-Block vials. Then we centrifuged at 5,900rpm for 10 seconds and solubilized at 50 degrees Celsius to make a solution of DNA and TE buffer. We completed transformation for reach of the 7 bacteriocins that we chose to test (Curvacin A, PelB-Pediocin, Sakacin QC, Acidocin AD, Sakacin P, CvaAB) and then preformed Gibson assembly. Then we streaked the bacteria that we hope accepted our plasmid onto petri dishes. And incubated for 48 hours until our next meeting.

As a team we followed this protocol for DNA transformation except for the following two variations:

- We added 5 minutes to the reaction time (20 vs 15 mins at 50 degrees C)
- We did not vortex our master mix