Zone of Inhibition:
The first step was to make cytophaga agar plates that would best allow for the growth of *Flavobacterium Psychrophilum*. The recipe for the plates is to first dissolve 0.5g of tryptone, 0.5g of yeast extract, 0.2g of sodium acetate, 0.2g of beef extract, and 11g of agar into 1L of ddH20. After heating gently, the pH of the mixture was checked and adjusted to a pH of 6.8 +- 0.2 prior to autoclaving the mixture for 15 minutes at 121°C.

Once the plates were made, a 200 uL liquid suspension of *F. psychrophilum* was inoculated onto the plates and then subsequently spread evenly in order to maximize the amount of growth on each plate. This entire procedure, as well as the rest of the procedure, was performed in a biosafety cabinet in order to minimize the chances of contamination. Continuing onward, sterile disks were dipped into our isolated polypeptide samples and placed in the center of each plate. These plates were then stored in a 15°C refrigerator to allow for *F. psychrophilum* to grow, which typically requires approximately 48-72 hours.