**BIOL 493L**

Genomic Data Analysis has taught me many helpful things about how to do simple coding as well as running code that would give out tables and graphs that give helpful information.

Project One:

For the first project I was responsible for writing and running all necessary scripts to bin the reads by organism with BWA and separate out *Sulcia*-associated reads, which Adam helped me with. I also helped outline the background information as well as introduction for the proposal. During the final report we all together as a group came together and worked to make sure we all understood the outline that was needed for submitting this report. I also helped correct the figure for the pipeline that was actually used during the experiment and helped Adam in completing the discussion portion.

Project Two:

For the second project I was responsible for writing scripts for BWA mapping to expand on her current skill set, with Adam providing assistance based on his previous experience and Noah providing troubleshooting support. After I did this step for the second time I was able to clearly understand the results and how to work with terminal as well as spruce.

Project Three:

For the third project I was responsible for writing scripts and transcript assembly using StringTie. During the production of scripts and multiple runs Noah was helpful in leading me in the right direction on what the errors were meaning. I also wrote the response to the reviewers for this project and helped in completely the final report.