**CS123B - Project**

**Topic: Antibiotic Resistance Detection**

**Members: Rajshri Ganesh Iyer, Rucha Deo**

**Summary of Results**

**PART 1: Galaxy**

**Galaxy Workflow & Outputs:**

https://usegalaxy.eu/u/riyer1/h/antibiotic-resistance-detection

**PART 2: Google Cloud Platform**

Link to Public GCP Bucket : [**https://storage.cloud.google.com/cs123b-proj-bucket**](https://storage.cloud.google.com/cs123b-proj-bucket)

1. **Raw Fasta Files :** cs123b-proj-bucket/cs123b/plasmids/raw\_fasta\_files
2. **NanoPlot Output :** cs123b-proj-bucket/cs123b/plasmids/nanoplot\_output
3. **Minimap2 Output:** cs123b-proj-bucket/cs123b/plasmids/minimap2\_output
4. **Unicycler Output:** cs123b-proj-bucket/cs123b/plasmids/unicycler\_output
5. **Bandage Output :** cs123b-proj-bucket/cs123b/plasmids/bandage\_output
6. **PlasFlow Output :** cs123b-proj-bucket/cs123b/plasmids/plasflow\_output
7. **Staramr Output:** cs123b-proj-bucket/cs123b/plasmids/staramr\_output

**Link to the bash script for running an automated pipeline to get the project results**: [**https://storage.googleapis.com/cs123b-proj-bucket/cs123b/cs123b-project.sh**](https://storage.googleapis.com/cs123b-proj-bucket/cs123b/cs123b-project.sh)