Week #	Laura	Sarah	Zihan	Things Due!
Week 9 (3/16, 3/18)	• **Finish Design Doc** • **Construct csv file with symptoms** • **Work on python script to create dataset -> Repo**	• **Create list of Accession #'s** • **Work on python script to create dataset -> Repo**	• **Prep Research Anvi'o:**https://merenlab.org/2016/06/22/anvio-tutorial-v2/ **(obtain commands and formatting requirements)** • **Start Putting Together Presentation Slides (Introduction, Implementation Plan)-> Repo**	• <mark>**Tues 3/16 Design Doc**</mark> • <mark>**Thurs 3/18 Repo Check #1**</mark> **Week Goals:** 1. **Turn in Design Doc** 2. **Finish creating test dataset (both annotations and CSV file with symptoms** 3. **Upload Design Doc and dataset to Repo** 4. **Make sure all have contributed to Repo by Thurs**
Week 10 (3/23, 3/25)	• **Format annotated fasta files -> Repo** • **Run Anvi'o** • **Present (⅓)**	• **Format annotated fasta files -> Repo** • **Run Anvi'o** • **Present (⅓)**	• **Finish Presentation Slides (Weekly Milestones)-> Repo** • **Present (⅓)** • **Plan out python parser design for creating pres/abs matrix**	• <mark>**Initial Group Presentation!!**</mark> **Week Goals:** 1. **By Tues have Slides Ready** 2. **Format annotated fasta files for use in Anvi'o** 3. **Obtain pan genome using Anvi'o**
Week 11 (3/30, 4/1)	• **(First half of week) Write python script for creating pres/abs matrix** • **(second half of week) Start python script for symptom analysis**	• **(First half of week) Write python script for creating pres/abs matrix** • **(second half of week) Start python script for symptom analysis**	• **(First half of week) Write python script for creating pres/abs matrix** • **(second half of week) Start python script for symptom analysis**	• <mark>**Thurs 4/1 5-min Group Progress Presentation**</mark> **Week Goals:** 1. **Have presence/absence matrix uploaded to Repo by Thurs** 2. **Started python script for testing association quantitatively**

Week 12 (4/6, 4/8)	• Python script for symptom association testing • Rough Draft App Note	• Python script for symptom association testing • Rough Draft App Note	• Python script for symptom association testing • Rough Draft App Note	• **Thurs 4/8 Repo Check #2** Week Goals: 1. Answer presence and absence questions for association testing 2. Push all code to Repo
Week 13 (4/13, 4/15)	• R script for statistically analyzing associations Output and Script -> Repo	• Finish Rough Draft Application Note - > Repo	• R script for statistically analyzing associations Output and Script -> Repo	• **Thurs 4/15 5-min Group Progress Presentation** • **Thurs 4/15 Rough Draft App Note** Week Goals: 1. statistical questions for association testing 2. Push all code to Repo 3. Finish Rough Draft App Note by Thurs
Week 14 (4/20, 4/22)	• Obtain contigs • Annotation python script using Prokka. Script -> Repo	• Annotation python script using Prokka. Script -> Repo	• Final App Note -> update Repo • Prep Slides for Final Project Presentation	• **Thurs 4/22 Repo Check #3** Week Goals: 1. Formalize annotation script with Prokka 2. Add to full pipeline and push to Repo before Thurs
Week 15 (4/27, 4/29)	• Have Final Presentation Slides done by Tues (4/27) • Finalize Code -> Update Repo • Finalize Application Note	• Have Final Presentation Slides done by Tues (4/27) • Finalize Code -> Update Repo • Finalize Application Note	• Have Final Presentation Slides done by Tues (4/27) • Finalize Code -> Update Repo • Finalize Application Note	• **Tues 4/27 or Thurs (4/29) Final Presentation!** • **Thurs 5/6 Final Project Code (GitHub Repo)** • **Thurs 5/6 Final App Note (10:00 PM)**