

Bioinformatics

Center for Clinical and Translational Science



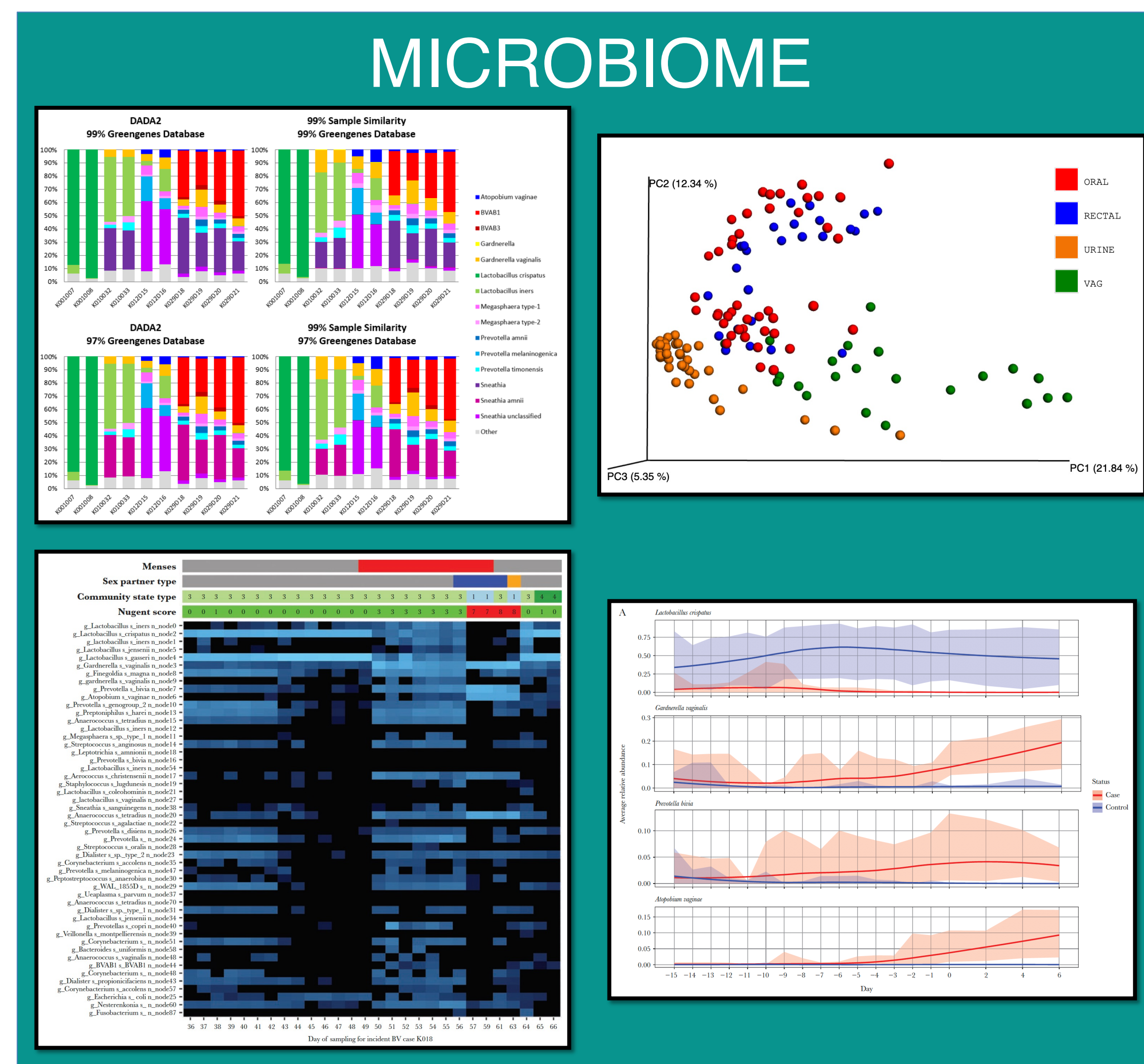
SUPPORTING THE COLLECTION, MANAGEMENT, AND ANALYSIS OF BIOMEDICAL DATA

CCTS

HOW TO GET STARTED

CCTS Bioinformatics

- Elliot Lefkowitz, PhD
- elliottl@uab.edu
- <https://www.uab.edu/ccts/research-resources/informatics>



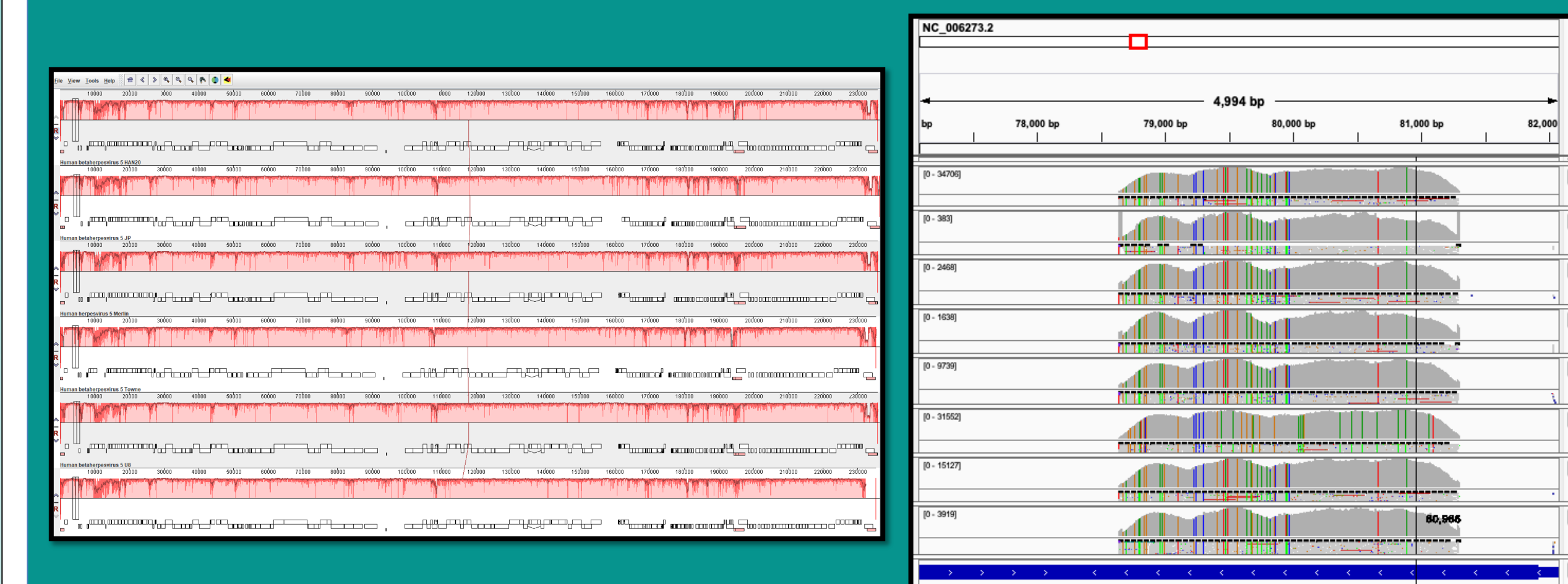
OUR GOAL

Is to assist you in understanding the biological meaning of your data, enriching your publications, grants, and future research.

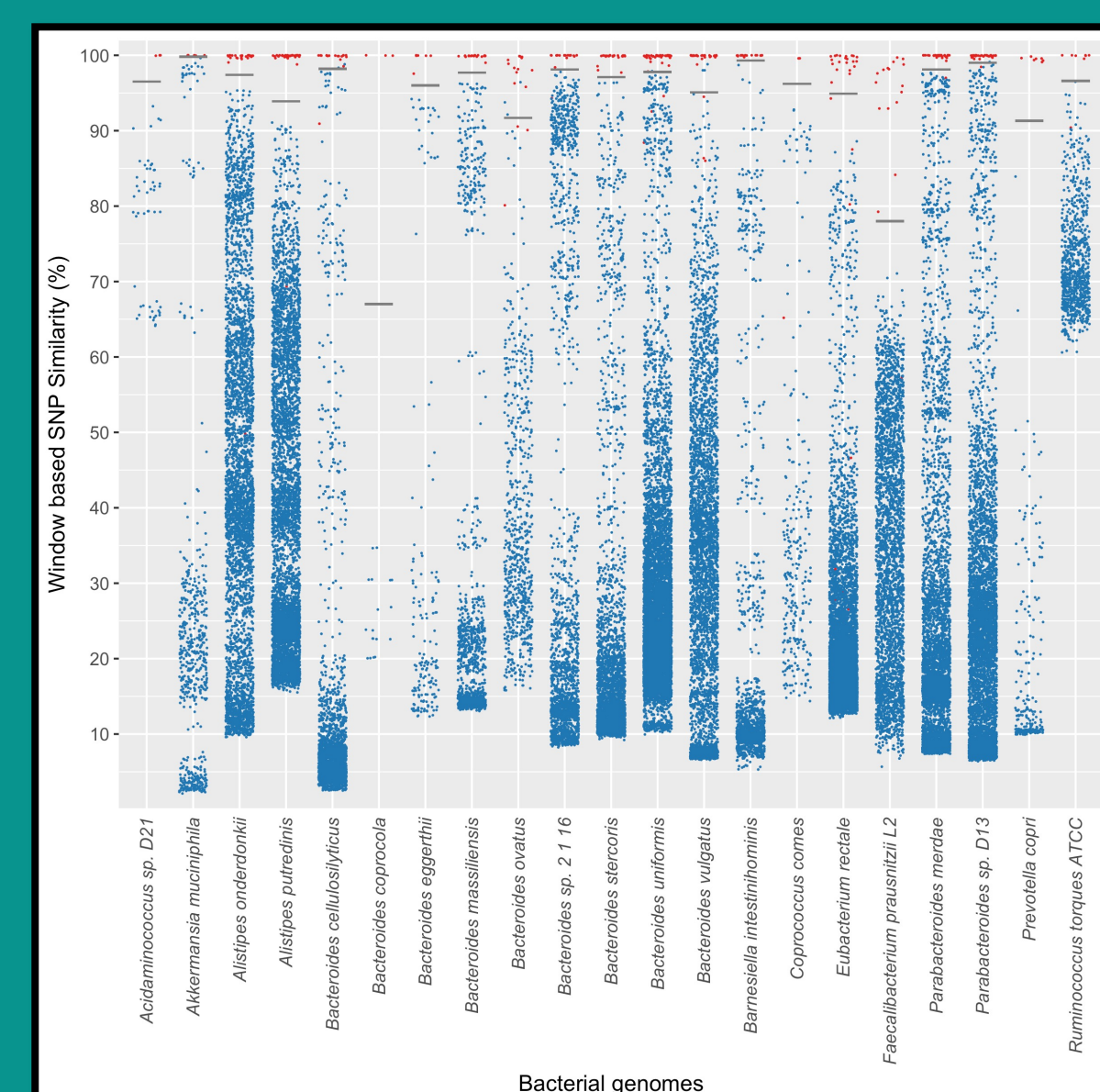
SERVICES

- Data management and analysis
 - Microbiome and metagenomic
 - Genomic assembly and comparison
 - viral, bacterial, eukaryotic
 - Gene expression, epigenetic markers
- Consultation and collaboration
- Assist the preparation of grants of manuscripts
- Education and training
 - BS, MS, PhD Bioinformatics Programs
- Computational resources
 - In partnership with UAB-IT Research Computing
 - HPC, software tools, pipelines

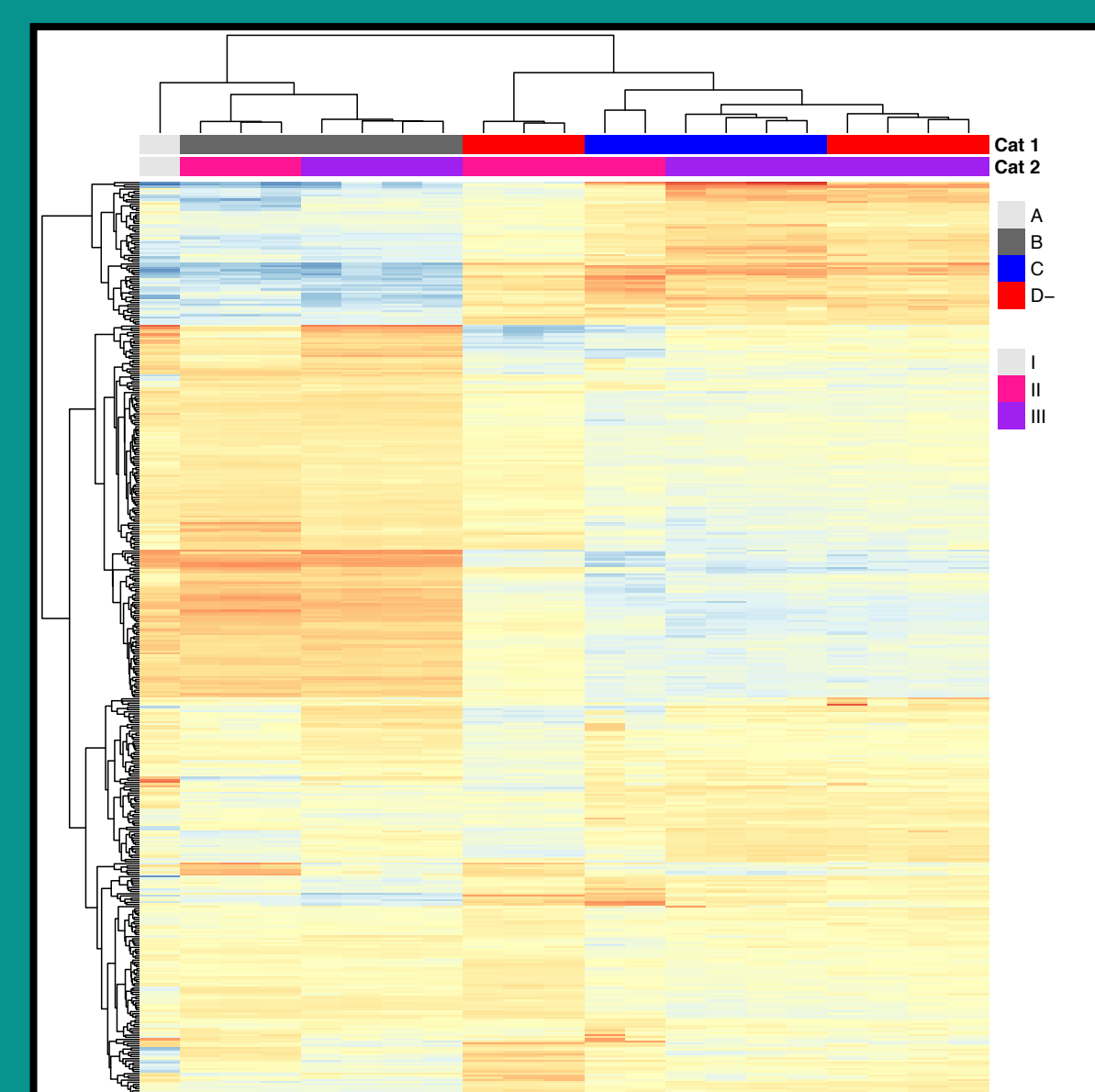
GENOMICS



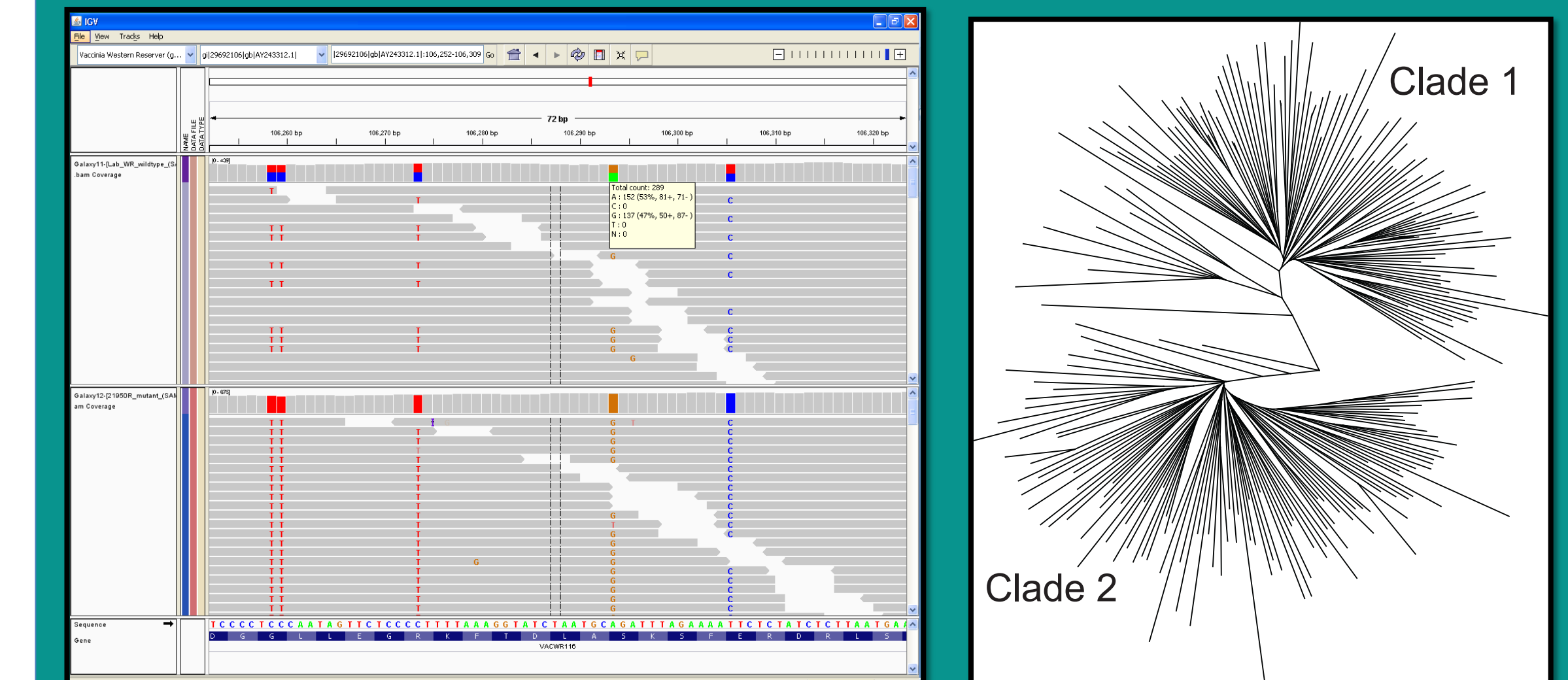
METAGENOMICS



TRANSCRIPTOMICS



MICROBIAL EVOLUTION



CCTS Connects

- Partner with the **CCTS Training Academy** to foster a clinical research workforce cognizant of key study design and data management practices.
- Connect with **CCTS Informatics** platforms to connect bioinformatic and clinical data.



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