

Bioinformatics Core and Consultation Services

Overview

Bioinformatics is a rapidly growing field that seeks to apply computational and data science tools to the management, analyses, processing, and storage of biological data and health records. As the amount of genetic and genomic data continues to double approximately every year; additionally, the variety of experimental methods that yield large volumes of data in need of analysis, increases as well. Absolute Genomics is here to provide end-to-end analysis solutions for a wide variety of genetics and genomics projects.

Data Transfer

For secure HIPAA compliant data transfer AWS Genomics services provides secure data transfer from you institution to our company

Analyses

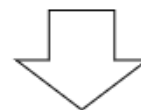
By employing secure and scalable cloud-based (AWS) resources we offer a variety of analyses routines to meet your research needs, including, but not limited to, analysis pipelines for:

- WGS - variant calling and annotation
- WEX - variant calling and annotation
- TEX - variant calling and annotation
- 16S microbiome sequencing (16S) - phylogenetics
- (Differential) ChIP-Seq occupancy analysis
- ATAC-/MNase-Seq - nucleosome occupancy analysis
- (differential) RNA-Sequencing (RNA-Seq) analysis
- Chromosome Conformation Capture Analyses
 - 3C, 4C, 5C, HiC
- Single cell RNA/RNA+ATAC sequencing analyses
 - Clustering
 - Differential Expression
 - Trajectory Analysis
 - Cell Type Annotation
- DNA methylation and MicroArray Analyses

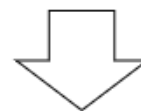
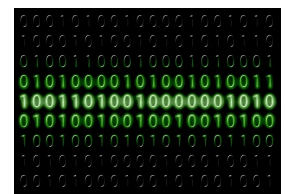
Consultation

Our lead Bioinformatician, Dr. Mariani, has extensive experience in computational genomics, bioinformatics, statistical genetics, and computer programming. In addition to our standard workflows, consultation services are available. We are here to meet your bioinformatics and computational genomics needs!

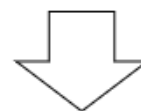
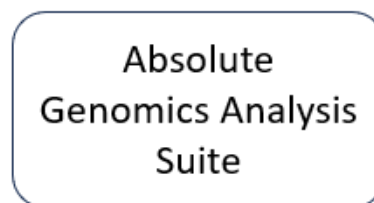
**1/2 the Cost in 1/2 the Time* - Results
Within 24 Hours**
*over leading competitors



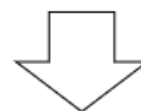
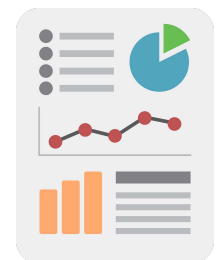
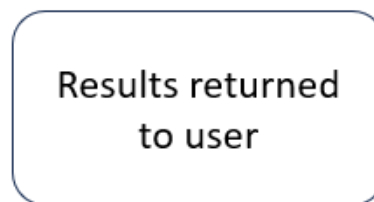
Amazon SFTP Transfer



Data stored on Amazon S3



Data Analyzed on EC2 HPC



Amazon SFTP Transfer