Sequencing and Informatics Services

Sequencing and genotyping platforms

HiSeq 2500

MiSeq

3730xl DNA Analyser

Liquid Handling System

High Performance Computational Genome Analysis (HPCGA) Facility

Servers

6 TB RAM 408 cores
~129TB for Analysis

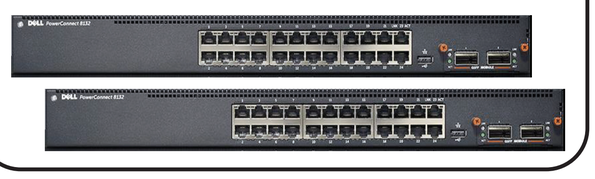
Number of cores	408
Storage	~ 580 TB
RAM	6 TB

Pre-processing

Processed data

Analysis

10 GBps network



FTP / Web server

Store data

Storage

Store analyzed data

Data sharing

- Share data with partners
- Host databases

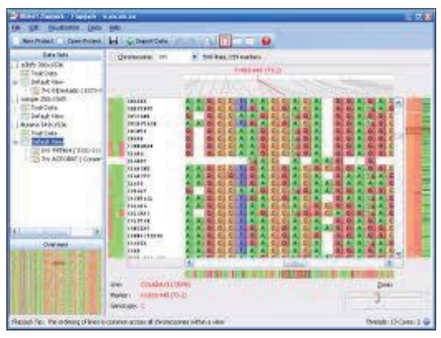
Sharing capacity 10 TB

Storage capacity ~441 TB

Applications

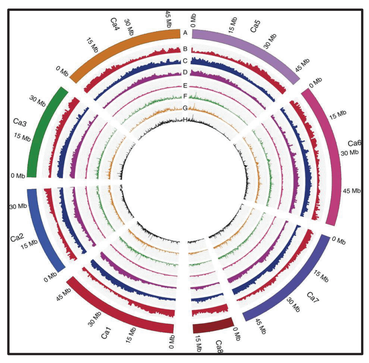
WGRS

GBS

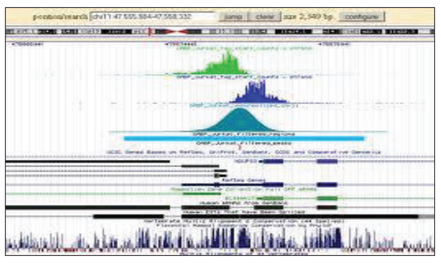
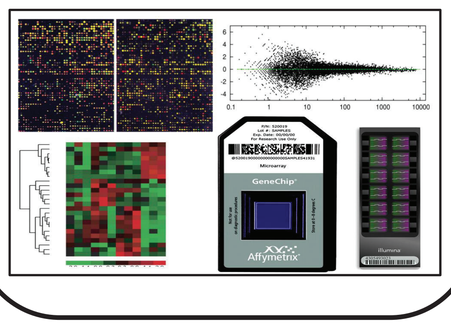


RNA-Seq

Genome Assembly



Epigenomics



Microarrays