

Resource Summary Report

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University of Pennsylvania Genomics Analysis Core

RRID:SCR_011061

Type: Tool

Proper Citation

University of Pennsylvania Genomics Analysis Core (RRID:SCR_011061)

Resource Information

URL: <http://www.med.upenn.edu/genetics/dnaseq/index.shtml>

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Description: Core facility that provides the following services: Large sequencing project support, Sanger sequencing service, High throughput DNA sequencing, Ion Torrent Personal Genome Machine sequencing, Template preparation and purification, Roche 454 sequencing, Sequence analysis and database search support, Construction of targeting vector for gene targeting, Genotyping and Fragment Analysis service, Molecular biology services, Mouse genotyping, and Ion Personal Genome Machine sequencing data analysis. The DNA Sequencing Facility provides long read, automated Sanger sequencing; microsatellite-based genotyping and fragment analysis; plasmid and BAC DNA preparation and purification; and related molecular biological services including PCR, cloning, sub-cloning, site-directed mutagenesis, and preparation of targeting vectors for gene targeting in mice. Core also provides services and support for analysis and interpretation of sequence data as well as the design of approaches to complex sequencing projects. For the last four years the facility has been providing Roche 454 sequencing service that includes library preparation, emulsion PCR and pyrosequencing for both genomic DNA and amplicons.

Abbreviations: UPenn DNA Sequencing Facility, Penn DNA Sequencing Facility

Synonyms: , University of Pennsylvania, Perelman School of Medicine, Penn, DNA Sequencing Facility, UPenn

Resource Type: core facility, service resource, access service resource

Keywords: dna sequencing, chain termination sequencing, next generation sequencing, plasmid purification, dna purification, metagenomics analysis, pyrosequencing, rna sequencing, bioinformatics analysis, knockout mouse generation, construct engineering, microsatellite analysis, single-nucleotide polymorphism analysis, genotyping assay, site-directed mutagenesis, polymerase chain reaction, recombinant plasmid cloning,

transgenic mouse model generation

Funding: NCI P30 CA016520

Availability: Available to external user

Resource Name: University of Pennsylvania Genomics Analysis Core

Resource ID: SCR_011061

Alternate IDs: SciEx_9913

Record Creation Time: 20220129T080302+0000

Record Last Update: 20260801T191204+0000

Ratings and Alerts

No rating or validation information has been found for University of Pennsylvania Genomics Analysis Core.

No alerts have been found for University of Pennsylvania Genomics Analysis Core.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.