## **Resource Summary Report**

Generated by <u>dkNET</u> on May 18, 2025

# University of Pennsylvania Perelman School of Medicine Penn Genomic Analysis DNA Sequencing Core Facility

RRID:SCR\_022383 Type: Tool

#### **Proper Citation**

University of Pennsylvania Perelman School of Medicine Penn Genomic Analysis DNA Sequencing Core Facility (RRID:SCR\_022383)

#### **Resource Information**

URL: https://genetics.med.upenn.edu/cores/genomic-analysis-core/

**Proper Citation:** University of Pennsylvania Perelman School of Medicine Penn Genomic Analysis DNA Sequencing Core Facility (RRID:SCR\_022383)

**Description:** THIS RESOURCE IS NO LONGER IN SERVICE. Documented on February 8th,2024. Facility offers sequencing services on three platforms, gold standard Sanger sequencing on ABI capillary sequencers, next generation sequencing (NGS) on Ion Torrent PGM and S5 and, Illumina MiSeq along with experimental design and data analysis.NGS service includes library preparation for multiple applications including targeted sequencing, RNA-Seq and Exome-Seq. Capillary sequencers also enable microsatellite genotyping and fragment analysis for VNTR, SNaPshot and Human Cell Line Authentication. Molecular biological services include PCR, cloning, subcloning, mutagenesis, construct preparation and, plasmid DNA preps at different scales.

**Synonyms:** University of Pennsylvania Perelman School of Medicine Penn Genomic Analysis Core: DNA Sequencing Facility, Penn Genomic Analysis Core: DNA Sequencing Facility

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

Keywords: USEDit, ABRF

Funding:

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

**Resource Name:** University of Pennsylvania Perelman School of Medicine Penn Genomic Analysis DNA Sequencing Core Facility

Resource ID: SCR\_022383

Alternate IDs: ARBF\_1457

Alternate URLs: https://coremarketplace.org?citation=1&FacilityID=1457

Record Creation Time: 20220602T050140+0000

Record Last Update: 20250517T060503+0000

#### **Ratings and Alerts**

No rating or validation information has been found for University of Pennsylvania Perelman School of Medicine Penn Genomic Analysis DNA Sequencing Core Facility.

No alerts have been found for University of Pennsylvania Perelman School of Medicine Penn Genomic Analysis DNA Sequencing Core Facility.

#### Data and Source Information

Source: SciCrunch Registry

### **Usage and Citation Metrics**

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>dkNET</u>.

Stone RA, et al. (2024) Diurnal gene expression patterns in retina and choroid distinguish myopia progression from myopia onset. PloS one, 19(7), e0307091.

Stone RA, et al. (2024) Diurnal retinal and choroidal gene expression patterns support a role for circadian biology in myopia pathogenesis. Scientific reports, 14(1), 533.

Xue L, et al. (2024) High-throughput barcoding of nanoparticles identifies cationic, degradable lipid-like materials for mRNA delivery to the lungs in female preclinical models. Nature communications, 15(1), 1884.