Next Generation Sequencing

Quality
Speed
Value
Service

RNA Sequencing

Amplicon Sequencing

Whole Genome Sequencing

Targeted Resequencing

Metagenomics

Exome Sequencing

ChIP Sequencing

Sequencing Only

GENEWIZ®
Solid science. Superior service.

EXPERIENCE THE GENEWIZ DIFFERENCE

Industry-leading Turnaround Time

>98% projects delivered on-time with extraordinarily fast turnaround time options

Exceptional Data Quality

Far exceeds manufacturer's criteria with >90% bases scoring Q30 or better (most applications)

Optimized Workflows

Latest platforms with automated processes increase scalability, improve reproducibility, and reduce costs

Highest Customer Satisfaction

Referrals from existing customers are the #1 source of new GENEWIZ customers

Dedicated Project Managers

Expert study managers provide support throughout the project

QUALITY THROUGH EVERY STEP

EXTRACTION

Automated Processes

LIBRARY PREP

Wide Range of Libraries Offered

SEQUENCING

Latest Platforms/ Technology

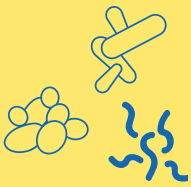
BIOINFORMATICS

Customizable Offerings

NEW AND PROPRIETARY SERVICES

Amplicon-EZ

Fast, ultra-deep sequencing of pre-made PCR products.
Starting at $50/sample with results in 8 business days or less.



16S MetaVx™ Metagenomics Sequencing

Proprietary 16S assay with greater sensitivity and specificity than traditional techniques.

genoTYPER-NEXT™

Effective and efficient option to screen targeted cell lines through an automated, interactive platform.

Iso-Seq

Identify novel isoforms, complex splicing events, and improved genome annotations.

Single-Cell RNA-Seq

Explore the transcriptome of cellular subpopulations in highly heterogeneous samples.

illumina CSPro® CERTIFIED SERVICE PROVIDER

NovaSeq™ | HiSeq™ | MiSeq™

PACBIO®

Sequel® System

10X GENOMICS

Chromium™ Controller

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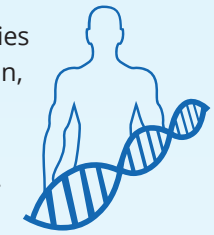
SOLUTIONS

Whole Genome Sequencing

We use the most powerful technologies for germline/somatic variant detection, *de novo* genome assembly, whole genome resequencing, structural variant discovery, and CNV detection.



- Illumina® Short-Read Technology
- PacBio Long-Read Technology
- 10x Genomics® DNA Phasing

Targeted Resequencing

Our assays offer high sensitivity and specificity, providing in-depth coverage and high-quality data to help discover point mutations, INDELs, CNVs, and gene rearrangements.

- Whole Exome Sequencing
- 16S-EZ Metagenomics Sequencing
- genoTYPER-NEXT™ for Genome Editing Verification
- Single Cell V(D)J Sequencing
- Cancer & Custom Gene Panels:

APPLICATIONS

Genome Assembly
Structural Variant Discovery
Genome/Haplotype Phasing
Genotyping
Metagenomics

SNP/Variant Genotyping
Metagenomics
Clone Verification
Antibody Repertoire Analysis

LEARN MORE

Whole Genome Sequencing on the PacBio Sequel

Coupled with GENEWIZ's optimized multiplexing strategy, receive 7x more data than the RSII at lower cost, with lower required input amounts and faster TAT.

Download the Case Study & Tech Note
genewiz.com/wgs

16S MetaVx™ Metagenomics Sequencing

Detect more bacterial and archaeal genera than traditional16S assays.

Download the Case Study & Sample Report
genewiz.com/metagenomics

genoTYPER-NEXT™

Automated, interactive, and intuitive platform to effectively and efficiently screen targeted cell lines.

Download the Case Study & Webinar
genewiz.com/genotyper

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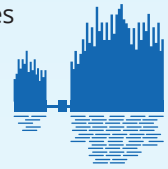
SOLUTIONS

RNA Sequencing

Accurately analyze low expression genes and transcripts often not detected by other methods, discover novel genes and isoforms, and assemble transcriptomes not previously studied.



- Standard & Strand-Specific
- mRNA & Long Non-Coding RNA
- Small RNA (miRNA)
- Ultra-Low Input
- Single-Cell Level
- Isoform Sequencing (Iso-Seq)

Amplicon Sequencing

GENEWIZ offers multiple options for ultra-deep sequencing of PCR products using the latest technologies to provide custom, in-depth solutions for amplicons ranging from 100 to 10,000 bp.

- Expedited Sequencing Options
- Customizable Amplicon Sequencing
- Contiguous Long-Read Sequencing (up to 10 kb)

APPLICATIONS

- Differential Gene Expression
- Transcriptome Assembly
- Genome Annotation
- Alternative Splicing Analysis
- Novel Variant/Isoform Discovery
- Genotyping
- Antibody Repertoire Analysis
- Somatic Variant Discovery
- Genome Editing Verification
- Variant Phasing
- Metagenomics

LEARN MORE

Ultra-Low Input RNA-Seq

Bulk expression analysis of samples containing as low as 10 pg of RNA or just a few cells.

Download the Tech Note
genewiz.com/rna-seq

Evolution of Amplicon Sequencing

Explore popular applications of NGS-based amplicon sequencing.

Download the Webinar
genewiz.com/amplicon-ez

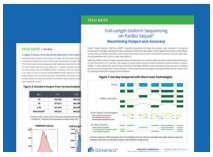
Single-Cell RNA-Seq

Explore the transcriptome of cellular subpopulations in highly heterogeneous samples.

Download the Case Study & Webinar
genewiz.com/single-cell

Iso-Seq

Identify novel isoforms, complex splicing events, and improved genome annotations through long-read technology.



Download the Tech Note
genewiz.com/iso-seq

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ABOUT GENEWIZ

For nearly 20 years, GENEWIZ has been a leader in R&D genomics services, providing superior data quality with unparalleled technical support to enable researchers around the world to advance their scientific discoveries faster than ever before.

Our customers at top-tier pharmaceutical, biotechnology, and academic institutions, as well as cutting-edge start-ups, rely on our proprietary technologies for consistent, reliable, high-quality data, even on the most difficult projects. A full-service provider, we provide Sanger DNA sequencing, next generation sequencing, gene synthesis, molecular biology, bioinformatics, and GLP regulatory services via our network of laboratories across the globe.

GENEWIZ LOCATIONS

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