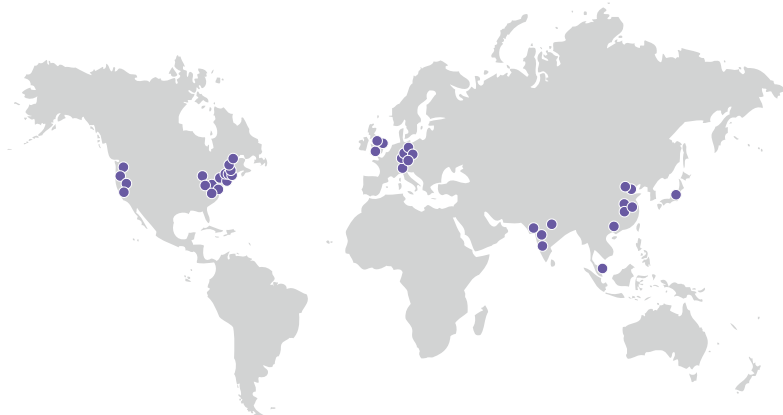


Next Generation Sequencing Metrics of Success



Sequencing the Ordinary and Extraordinary for Over 25 Years

A comprehensive understanding of interactions between the genome, transcriptome, and proteome of your research focus is critical to advancing your scientific discoveries. Since 1999, our commitment has been to provide fast, high-quality results at competitive prices so you can confidently advance your innovations. When outsourcing aspects of your research, project management and technical support are crucial to your success - which is why we offer complimentary, direct access to local, Ph.D.-level experts who understand your research goals.



13

Genomics laboratories worldwide

2,600+

Sample pickup locations

Local

Multilingual support

A trusted partner serving:



4,000+ Institutions



30+ Nobel laureate labs



23,000+ Citations



30/30 Top pharmaceutical companies

Nucleic Acid Extraction from Prevalent to Unique Sample Types

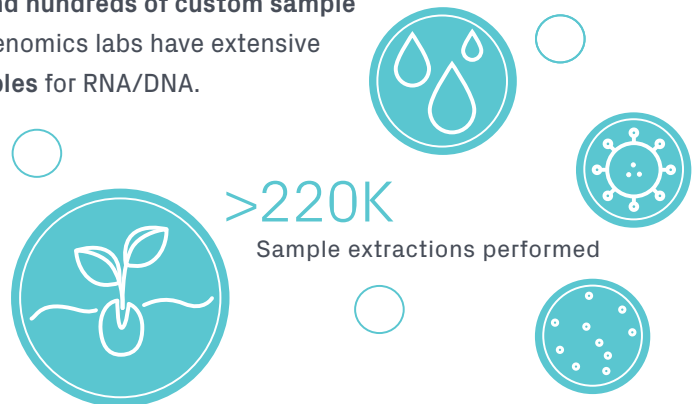
Each next generation sequencing (NGS) project begins with DNA, RNA, or protein extraction from your sample.

Our extraction solutions are compatible with **over 30 standard and hundreds of custom sample types** to accommodate your starting material. Additionally, our genomics labs have extensive experience with extraction, having processed **over 220,000 samples** for RNA/DNA.

Common sample types include:

- Cell pellets
- Tissue
- FFPE
- Whole blood*
- Urine
- Soil
- Stool
- Water
- Seeds
- Leaves
- Bacteria
- Viral particles

*Fresh whole blood logistics, fractionation, and isolation in <24h is available.



Next Generation Sequencing Metrics of Success



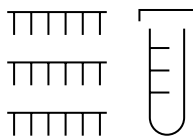
Library Preparation for Conventional and Custom Assays

We offer library preparation protocols tailored to meet your project requirements as part of our comprehensive multiomics solutions. We are well-versed in ready-to-use commercial kits and innovative, custom solutions, empowering you to find the most suitable option for your project. With integrated, optional controls and meticulous batch management, you can rest assured your results will be reliable and reproducible.



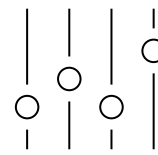
>375K

Libraries prepared



>50

Standard prep options

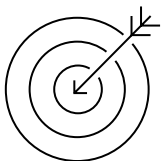


>100

Custom prep options

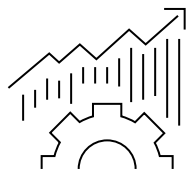
Short- and Long-Read Sequencing for a Range of Applications

We offer short- and long-read solutions using best-in-class platforms, including the new Illumina® NovaSeq® X Plus and PacBio® Revio™. Our equipment undergo rigorous testing and regular maintenance, ensuring you receive high-quality results at industry-leading speeds. As a result, **we have sequenced over 600,000 samples**, representing thousands of plant, animal, fungal, bacterial, and viral species.



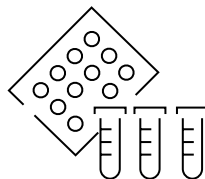
>Q35

Average Illumina quality score



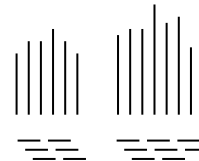
85%

Of projects delivered early



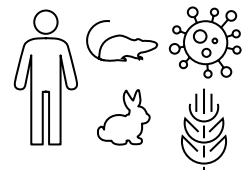
>600K

Samples sequenced



>10M

Gigabases sequenced



1000s

Of species analyzed

Bioinformatics Analysis for Comprehensive, Concise Conclusions

Following sequencing, we provide comprehensive QC analysis of your data to ensure high-quality results at the sequencing depth required. Additional downstream, custom analyses can easily be added to your project or performed as standalone analyses to extract meaningful insights from your data. Types of analyses include, but are not limited to:

- Mapping alignment
- Whole genome analysis
- Metagenomics analysis
- CRISPR validation
- Spatial profiling
- Gene expression analysis
- *De novo* assembly
- ChIP-Seq
- ATAC-Seq

