DAICEL arbor biosciences

PRODUCT SHEET

# myReads® NGS Services

## *Next-Generation Sequencing Laboratory and Bioinformatics Services*

### OVERVIEW

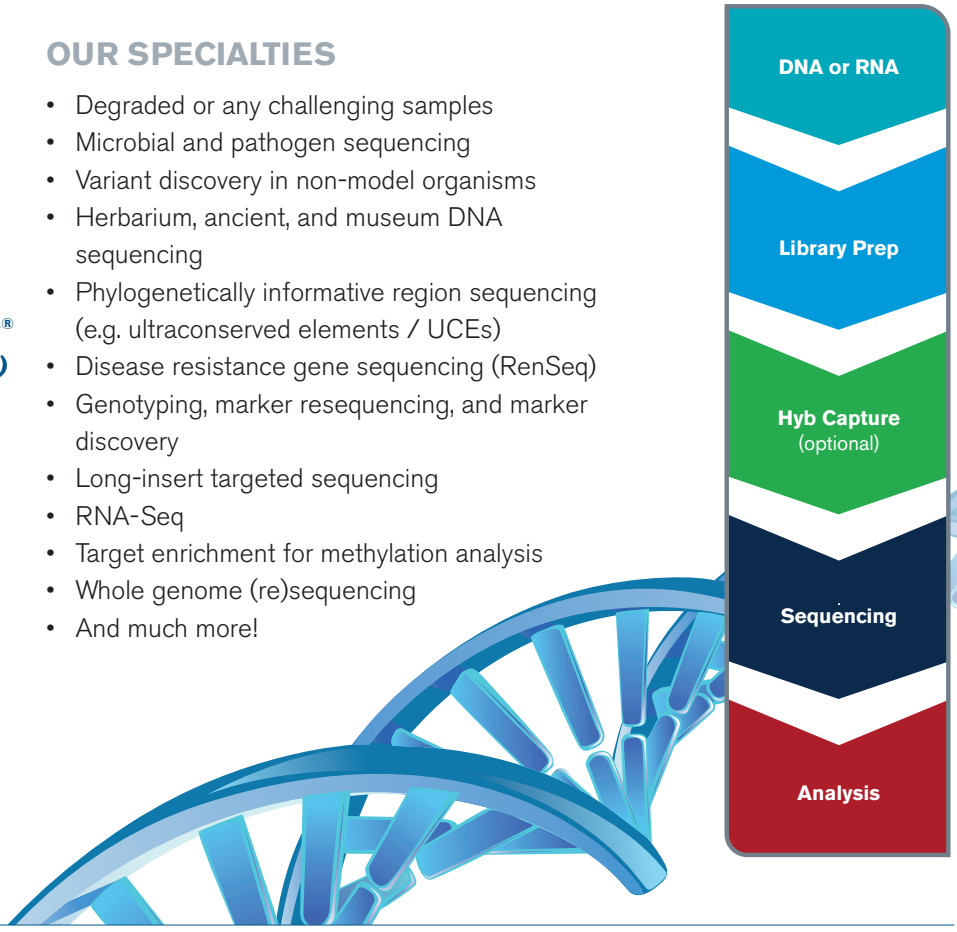
The myReads team at Daicel Arbor Biosciences has decades of combined experience in planning and successfully executing a wide variety of custom NGS projects, including our specialty: targeted sequencing using hybridization capture technology. We have worked with tens of thousands of samples from hundreds of species with a variety of preservation levels, including herbarium, ancient, and museum specimens. Our team has honed library preparation, hybridization capture, sequencing, and bioinformatics analysis procedures for maximum efficiency, allowing us to tackle projects of any size successfully. We provide dedicated customer support and project management to all projects regardless of scale, and are committed to delivering the highest quality genomic, transcriptomic, and metagenomic data that can be translated immediately to actionable results.

### OUR SERVICES

- ***Extraction of DNA or RNA***
  - Fresh or degraded samples
- ***NGS Library Preparation***
  - High-quality DNA or RNA
  - Degraded/Ancient DNA
  - Long-read sequencing
- ***Hybridization Capture with myBaits®***
- ***Next-Generation Sequencing (NGS)***
  - Illumina®
  - PacBio®
  - Oxford Nanopore®
- ***Bioinformatics analysis***
  - Read alignment and variant calling
  - Customized services

### OUR SPECIALTIES

- Degraded or any challenging samples
- Microbial and pathogen sequencing
- Variant discovery in non-model organisms
- Herbarium, ancient, and museum DNA sequencing
- Phylogenetically informative region sequencing (e.g. ultraconserved elements / UCEs)
- Disease resistance gene sequencing (RenSeq)
- Genotyping, marker resequencing, and marker discovery
- Long-insert targeted sequencing
- RNA-Seq
- Target enrichment for methylation analysis
- Whole genome (re)sequencing
- And much more!

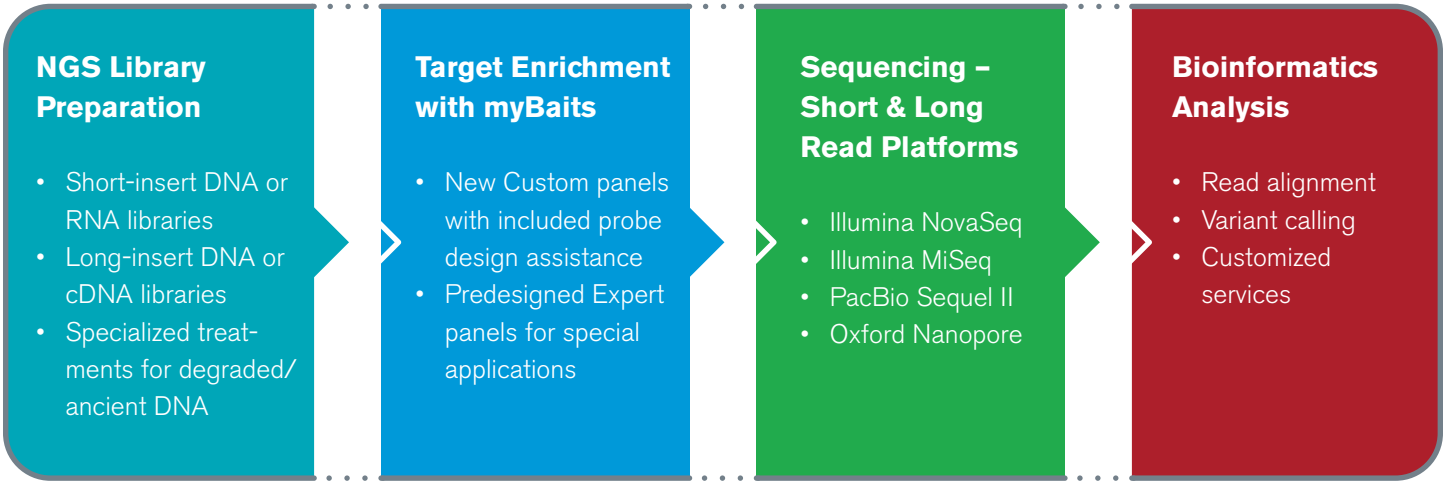


# Flexible, Collaborative NGS Services to Fit Your Goals

## WHY DAICEL ARBOR BIOSCIENCES?

Our team of expert scientists have extensive experience working with a wide range of NGS project types, including fresh and degraded specimens, DNA- and RNA-seq, targeted sequencing with hybridization capture, all major NGS platforms including short- and long-read sequencing, and more. We take great pride in consulting and handling your project as we would if it were our own, and will work with you to maximize the success of your project.

- Broad end-to-end services menu: sample to analysis
- Packages for common applications
- Dedicated scientific team
- Experience with a broad range of sample types
- Proven results for thousands of custom projects




## GETTING STARTED

Contact us today via email, phone, or our website to start the conversation about your next NGS project goals. Our team of experts will work with you to find a solution that fits your research aims as well as your project budget. We look forward to ensuring that your next NGS project is a success.



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