

CD Genomics Harnesses Animal/Plant Exome Sequencing to Accelerate Biological Research

Sherrill, New York Jul 6, 2025 ([IssueWire.com](https://www.issuewire.com)) - CD Genomics, a frontrunner in genomic solutions, has launched a cutting-edge [Animal/Plant Exome Sequencing Service](#), marking a significant advancement in the field of biological research. This groundbreaking service allows scientists to delve into the genetic blueprint of animals and plants, helping to unlock invaluable data that can drive research in ecology, evolution, and breeding. By focusing on specific coding regions of DNA, this service provides an efficient and targeted approach to understanding genetic variations beyond conventional whole-genome sequencing.

Exome sequencing technology targets the exonic regions of the genome, which code for proteins and are crucial for genetic analysis. Unlike whole-genome sequencing, this approach focuses on just 1-2% of the genome where most disease-causing mutations are found, increasing efficiency in both time and cost while maintaining depth and accuracy. CD Genomics specializes in exome capture methods using custom-designed probes for precise enrichment of exonic areas, ensuring comprehensive coverage and high sensitivity to detect even rare genetic variations.

CD Genomics' technology is innovative in its adaptability across different species, including both animals and plants, making it an essential tool for researchers studying species with less-mapped genomes. By concentrating on the most informative genomic regions, their exome sequencing not only helps identify genetic variants related to diseases but also supports broader research fields like evolutionary biology and conservation genetics. This enables researchers to explore the genetic architecture of unexplored species, advancing areas from agriculture to ecology. Through such advancements, CD Genomics is setting new benchmarks in genomics, offering robust solutions for modern genetic research needs.

The application of this technology spans a wide range of research fields. For instance, in agricultural science, understanding the genetic basis of traits can lead to more resilient crop varieties and better livestock management. In conservation biology, exome sequencing can reveal the adaptive potential of endangered species, aiding in their preservation. In the realm of personalized research, this cutting-edge technology allows for the identification of genetic variations, enabling targeted studies and improved research outcomes. "Exome sequencing provides unprecedented insight into genomic regions of interest," CD Genomics' chief expert noted. "Its key value lies in its ability to clarify gene function and evolutionary processes."

Looking ahead, the implications of this technology are vast. By facilitating deeper genetic insight, CD Genomics' exome sequencing service is poised to accelerate research breakthroughs across various biological disciplines. The company envisions expanding its service offerings and enhancing analytic capabilities to further support the scientific community's evolving needs. As research continues to push forward, CD Genomics remains committed to advancing genomic technologies and empowering scientists to make more informed discoveries about the living world.

About CD Genomics

CD Genomics leads the way in the genomics field, propelling scientific progress worldwide with its cutting-edge sequencing technologies. We are dedicated to providing top-notch quality and utilizing the latest technological advancements to offer comprehensive genomic solutions to life sciences

researchers. By collaborating with scientists globally, we strive to unlock the endless potential within the realm of genomics.

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