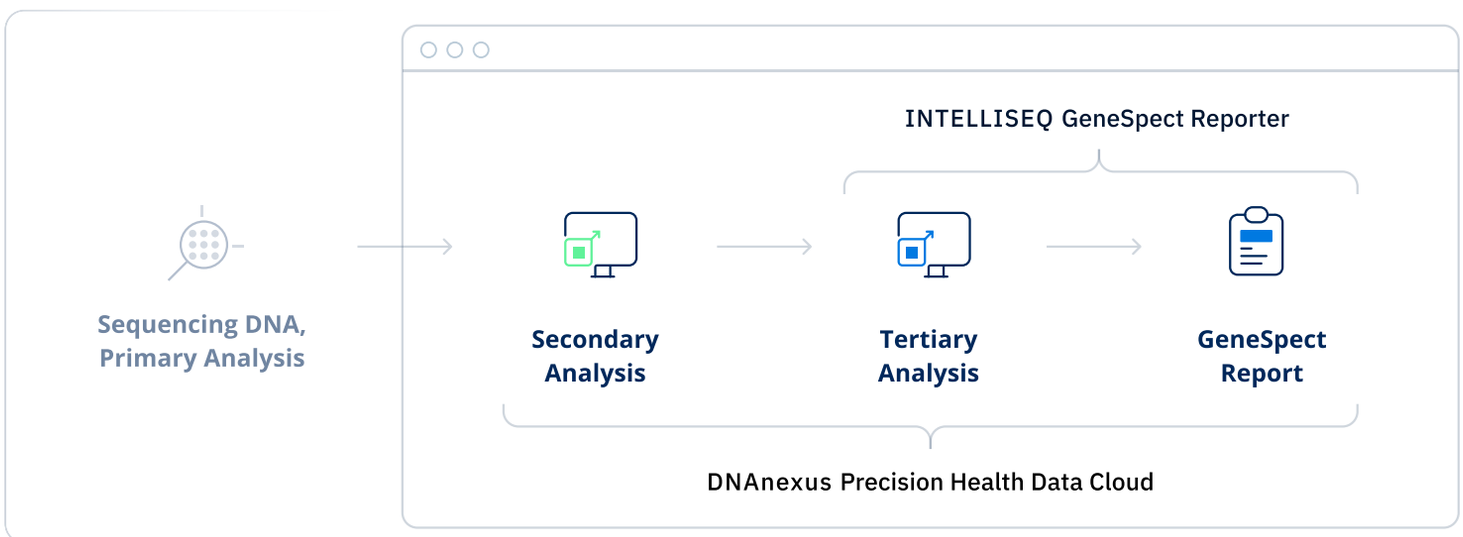
Intelliseq × DNAnexus

Transform raw NGS data into clinical and research insights. Automatically.

NGS data analysis and reporting is now available on DNAnexus© Precision Health Data Cloud via integrated Intelliseq GeneSpect Reporters.

The integrated, one-click solution streamlines NGS data analysis and provides scientists with the ability to generate critical insights into somatic cancers, hereditary and rare diseases, and other precision medicine and biomedical research applications.



GENESPECT SOMATIC REPORTER

AUTOMATED VARIANT INTERPRETATION: Streamlines NGS data analysis for somatic cancers.

CLINICAL REPORTING: Generates comprehensive reports with actionable insights.

PROPRIETARY AMP/ASCO/CAP ALGORITHM: Drawing information from a broad spectrum of genomic and clinical databases, it provides the most accurate predictions of variant actionability and clinical significance, highlighting the most promising therapeutic targets.

PRECISE THERAPY RECOMMENDATION MATCH: Genetic variants are matched with the best drug recommendations approved by FDA.

GENESPECT HEREDITARY REPORTER

GENETIC DISEASE INSIGHTS: Provides key information on hereditary and rare diseases linked to identified variants.

CUSTOMIZABLE WORKFLOWS: Choose from prebuilt workflows or customize the scope of analysis.

CLINICAL RELEVANCE: Convert DNA sequences into clinically relevant interpretations that account for variant pathogenicity, zygosity, and gene inheritance patterns.

COMPREHENSIVE VARIANT INFORMATION: Variant IDs according to different nomenclatures, quality scores, mutation type, variant effect on a protein.

ACMG-BASED VARIANT SCORING AND PRIORITIZATION: Custom variant scoring algorithm follows ACMG gold standard criteria, ranking the most pathogenic variants at the top of reports.

COMING SOON

GENESPECT PGX REPORTER

Proprietary pipeline for phasing, genotyping, star allele prediction and phenotype assignment. Personalize drug choice and dosage recommendations to match your genotype. Get insight into pharmacogenomics.

GENESPECT PRS REPORTER

Take advantage of the polygenic risk score analysis. Estimate your risk of developing disease to adopt preventive strategies. Analyze your wellness scores to improve everyday life quality.

Intelliseq iFlow™ Engine converts raw DNA sequences into comprehensive reports, accommodating various NGS analysis scopes, from single genes to whole genomes. It fits all NGS analysis approaches from a single gene to whole genome. Users are able to take advantage of prebuilt workflows for somatic cancer and hereditary diseases using Intelliseq GeneSpect Reporters, or use Intelliseq Customica package for custom projects.

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ABOUT INTELLISEQ

Intelliseq is dedicated to developing novel algorithms and bioinformatics tools for genomic data interpretation. Its state-of-the-art iFlow™ engine, driven by a team of skilled scientists, offers tailored solutions for personalized medicine and disease research.

Learn more at **www.intelliseq.com**

ABOUT DNAnexus

DNAnexus empowers biomedical organizations to accelerate scientific discovery and improve patient care with the Precision Health Data Cloud. By managing, analyzing, and collaborating on multi-omic, clinical, and real-world data, DNAnexus facilitates insights that drive innovation.

Discover more at **www.dnanexus.com**