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Translating genomic data into actionable insights

From raw data to diagnosis, the SEQ Platform provides comprehensive NGS data analysis powered by advanced variant prioritization and enhanced data aggregation capabilities.

Variant Prioritization

Increase your diagnosis rate

SEQ Platform's advanced bioinformatics pipelines and variant prioritization algorithm enable accurate detection of genomic variants **with a 96.8% prioritization success rate.**

Superior Data Aggregation

Build your own real-time genotype/phenotype database

Take control of your genomic data. With the SEQ Platform, you can easily build and manage your own database, empowering you to make informed decisions **up to 90% more efficiently** based on your unique genomic insights.

Somatic Analysis

Find actionable alterations and treatment options for cancer patients

With the SEQ Platform's **paired tumor-normal sequencing analysis**, you can filter out germline variants, leading to more precise results, **tumor mutation burden (TMB)**, and **microsatellite instability (MSI) calculations.**

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Variant Prioritization

SEQ Platform's advanced prioritization algorithm utilizes 120+ trusted databases for variant classification with a **96.8% successful** prioritization rate and **reliable ACMG classification**, which facilitates the evaluation process for a more comprehensive and informed analysis.

Advanced Literature Access

Thanks to the SEQ Platform's **real-time PubMed search functionality** and **Mastermind integration**, you can access the most reliable, comprehensive, and up-to-date literature within our software's modern and intuitive user interface.

WGS Analysis

With the SEQ Platform's WGS support, you can detect structural variants, **including short tandem repeats (STRs) and CNVs**, and benefit from exceptional variant calling by **Sentieon** or **Freebayes** pipelines.

Long-Read Sequencing Analysis

With SEQ Platform, you **can analyze long-read sequencing data** from Oxford Nanopore Technologies (ONT) and Pacific Biosciences (PacBio), **perform segregation analysis** and **visualize DNA methylation**.

CNV Analysis

SEQ Platform's exceptional CNV analysis, **with a sensitivity of 95.46% and a specificity of 99.72%**, can help you improve your diagnostic efficiency and accuracy.

Customizable Reporting System

With the SEQ Platform's built-in reporting system, you can quickly and easily generate **100% customizable and multilingual clinical reports**, saving you time and effort.

Join over 400 hospitals and laboratories worldwide that trust Genomize!

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