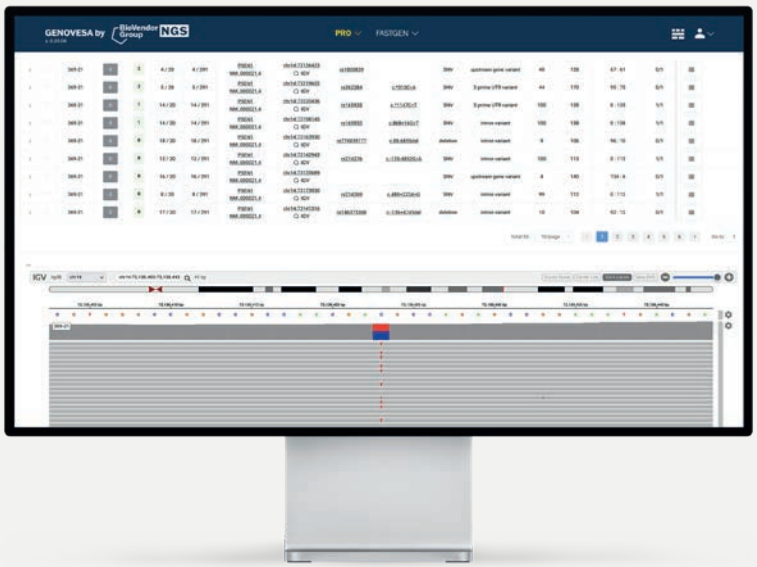
BioVendor Group NGS

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GENOVESA – cloud-based database bioinformatics and interpretation system

Analysis of NGS genetic data can be a challenging task that often requires specialized user skills. We developed a cloud-based bioinformatics software – GENOVESA as an easy solution for everyone and for all NGS data regardless of the sample preparation kit used.

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Key features

- **Comprehensive variant detection workflows (CNV, MSI, TMB, HRD)**
- **Automated bioinformatics pipelines from FASTQ to clinical report**
- **Advanced QC metrics**
- **Integrated somatic and germline workflows for oncology and inherited disease panels**
- **Customizable analysis settings for amplicons, panels, CES, WES, WGS**
- **Built-in annotation databases (clinical, population, oncological)**
- **Easy variant filtration and prioritization**
- **Local clinical variants database with internal knowledge accumulation**



From FASTQ to clinical report

GENOVESA enables comprehensive evaluation of NGS data across a wide range of applications - from amplicon-based assays and targeted panels to clinical exome (CES), whole exome (WES), and whole genome sequencing (WGS). The platform supports both DNA and RNA sequencing inputs and performs automated quality control of FASTQ, BAM, and VCF files. Integrated annotation databases, customizable workflows, and in-platform variant interpretation allow efficient data analysis and clinical decision support. GENOVESA further supports complete clinical case management with integration of International Classification of Diseases and HPO terminology.

Sequencing technology

GENOVESA enables analysis of conventional sequencing data (FASTQ, BAM, VCF) regardless of what sequencing technology was used – Illumina, MGI, PacBio, Oxford Nanopore Technologies, Genapsys and many others.

Databases and data sharing

GENOVESA also serves as a database for storing variants, with the possibility of sharing data between individual clinics.

Security

GENOVESA prioritizes data security through HTTPS encryption. We do not rely on third-party providers like Google or Amazon; instead, we host your data in our secure data center located in Prague. We do not collect any sensitive patient data, GENOVESA is fully GDPR compliant.

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Genovesa is a joint project of the companies:

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