Dive Deep into Genomic Variants

**Highlights**

- Achieve advanced analyses of complex genomic variants on a full-genome level.
- Benefit from comprehensive variant annotation from a broad range of sources, up-to-date guidelines, and numerous bioinformatics files viewing tools.
- Gain time with efficient workflows and customizable reporting in a user-friendly interface.

**Alamut Visual Plus Advanced Features**

**CUSTOMER EXPERIENCE**
- User-friendly interface
- Private data management
- Customizable reporting

**VISUALIZATION OF DATA**
- Full-genome browser
- BAM, VCF, BED Sanger files viewer

**DATA SOURCES**
- ClinVar, dbSNP, COSMIC genomic data
- Mastermind, Pubmed®
- HGVS nomenclature ACMG guidelines

**SPLICING & MISSENSE PREDICTORS**

**Alamut Visual Plus** is a comprehensive genome browser that simplifies variant exploration. The software includes genomic and literature databases, guidelines, missense and splicing predictors in an intuitive interface.

Together with advanced visualization, customizable reporting and local data management, Alamut Visual Plus increases operational efficiency by accelerating complex variant assessments.
Simplified tertiary analyses

Customizable view
Gene structure
Genome sequence
Nucleotide conservation
Transcript
Lab variants
Known variants: dbSNP, Cosmic, Uniprot, ClinVar, gnomAD, etc.

Aligned orthologs, protein domains, dynamic scaling

Global adoption

"The previous Alamut Visual software was a powerful tool widely used by our teams at CHU of Lille for research decisions in oncogenetics, rare diseases and pharmacogenetics. The new Alamut Visual Plus is a step forward, allowing investigation of deep intronic sequences, the possibility to overlap Sanger sequences with NGS, BAMs and obtain data quickly. Among other features, the variant report is further made easy by including ACMG guidelines."

Tony Lovecchio, MSc, Engineer | Cell and Molecular Biology Engineering, CHU of Lille, France

Benefits

Save time
Increase productivity
Improve quality

ABOUT US

SOPHIA GENETICS is a health company democratizing Data-Driven Medicine to improve health outcomes and economics worldwide. By unlocking the power of next-generation health data for cancer and rare diseases management, SOPHIA GENETICS allows clinical researchers to act with precision and confidence as well as biopharma to optimize their entire drug-development process. The company’s innovative approach enables an ever-expanding community of over 1,000 institutions to benefit from knowledge sharing, thus fostering a new era in healthcare. SOPHIA GENETICS’ achievement is recognized by the MIT Technology Review’s "50 Smartest Companies."

SOPHIA GENETICS products are for Research Use Only and Not for Use in Diagnostic Procedures. The information included has been prepared for and is intended for viewing by a global audience. Information about products which may or may not be available in different countries and if applicable, may or may not have received approval or market clearance by a governmental regulatory body for different indications for use. Please consult local sales representatives. © 2021 SOPHIA GENETICS. All rights reserved. All trademarks are the property of SOPHIA GENETICS and/or its affiliate(s) in the U.S. and/or other countries.

Agnes Bourillon, BA, Engineer | Hôpital Universitaire Robert Debré, Paris, France

"I am honored to test Alamut Visual Plus. I have witnessed the improvements made to Alamut Visual and I particularly like the following:

- Visualization of GRCh37, GRCh38, or mitochondrial genome, conveniently displaying regions close to the genes of interest and the option to see overlapping genes.
- Option of knowing the impact of a variant on the overlapping gene as the software enables analyses of several genes’ BAM sequences simultaneously.
- Possibility of loading BAM and ABI files in the same track
- Automatic suggestion of variant outcome according to the ACMG classification, and showing the guidelines.
- Customizable final report."

Robert Debré, Paris, France

Want to know more?
Contact us at: alamut@sophiagenetics.com