SeqPatient

JSI medical systems

Premium analysis tools for genetics professionals.

CE

For research use only.

SeqPatient is a sophisticated software module conceived for the analysis of Sanger sequencing data, entirely structured to support the daily work of molecular biology and diagnostic labs. Get the maximum output from your data, through the robust, secure and professional analysis workflow of this powerful tool.

The continuous implementation and improvement of new and existing sequencing techniques during the past few years requires highly adaptable and consequent design strategies from software developers. Herein lies the strength of JSI medical systems. Through continuous interaction with our customers and sequencing equipment manufacturers, we strive to meet todays and tomorrow's requirements by providing convenient products promptly.

The ever-growing complexity and size of genetic data-sets require powerful algorithms and creative analysis methods to guarantee the highest detection rates. Frequent product updates ensure an up-to-date software, compatible with all major sequencing data formats.

Our team of developers and support technicians assists many scientists with their expertise in sequencing data interpretation. Competence, high availability, short response times, on-site/on-line trainings and software demos are some key strengths of our company's support team.

Established more than 10 years ago in the Black Forest area in Germany, JSI medical systems is ranked among the leading providers of analysis software for DNA sequencing, MLPA® and sequence-based HLA typing.

Don't hesitate to contact us via our offices in Kippenheim, Germany or Costa Mesa CA, USA.

www.jsi-medisys.com

SeqPatient at a glance

The screenshot below depicts the main data analysis screen, giving the user a convenient overview of all genetic parameters, mutated positions and additional functions for data viewing and reporting.

1. Variation table showing found mutations, amino acid changes, HGVS nomenclature, rs numbers, internal Mutation Database infos and much more...

2. Reference and combined sequence with clear color-coded indications of mutations.

3. Electropherogram with basecalling positions, on top : forward strand ; bottom : reverse strand

4. A statistical evaluation of the peak areas, for samples tested with the same chemistry, enables a comparison between new result files and previously analyzed samples for a sensitive detection of mosaics.

5. The summary tables give an overview of all analyzed regions of interest, genes and raw data files.

6. Your customizable analysis report is just one click away.

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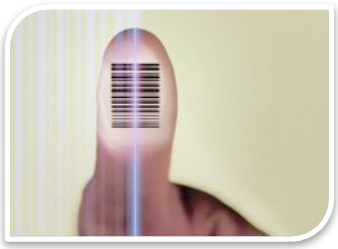
Additional features and functionalities

SeqPatient is fully compatible with the whole range of today's Sanger sequencers and their main applications for molecular biology and diagnostics. The module can be integrated with SeqNext, our tool for NGS data analysis.

- Highest detection rates for SNPs, deletions, insertions and duplications of any length, even in case of mosaics
- Warnings in case of unusual peak appearance (increased background)
- Configurable sensitive basecaller for mosaics



SeqPatient is provided with a powerful internal mutation database and secure data management modes with 2 levels of result validation and user login options. Detailed and customizable analysis reports are easily generated for each sample.

SeqPatient licenses are available for single client or server based installations, upto an unlimited number of users and computers.

Free trial licenses are available upon simple request. Use your own data or demo-data provided by us, and discover the power of SeqPatient.

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