SEQUENCHER®

Gene Codes Corporation

TCA GENE
AGT CODES

The Premier DNA Sequence Analysis Software for Sanger and NGS Datasets

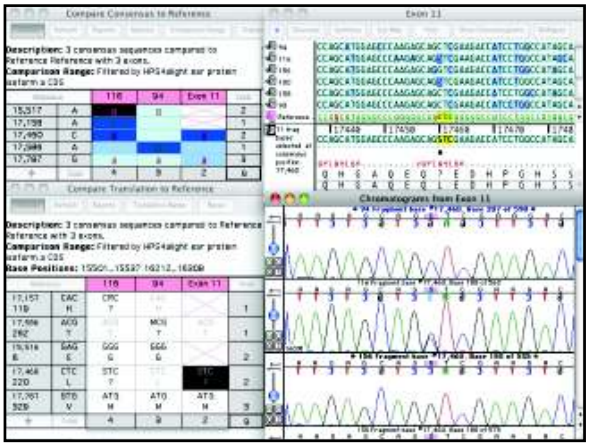
If your research involves DNA sequencing, try Sequencher and see how it can increase the speed, quality, and consistency of your data analysis.

Compatible with a wide variety of Sanger (Capillary Electrophoresis) and Next-generation (NGS) DNA sequence file formats, Sequencher is known for its lightning-fast assembly, short learning curve, and powerful editing tools.

Sanger/Capillary Electrophoresis DNA Data Analysis

Sequencher provides the tools you need to handle all your DNA sequence assembly and analysis tasks.

- Import data from any of the major CE instruments
- Clean up raw data by trimming vector, low quality base calls and other artifacts
- Perform alignment, de novo, or reference based assembly with flexible, understandable parameters
- Move easily between aligned data and electropherograms. Analyze traces locally or globally to find secondary, uncalled peaks
- Instantly and intuitively move between raw sequence multi-frame translation and restriction maps
- Set up reusable templates for common projects, letting you use base numbering and features from the reference sequence to annotate new alignments
- Compare similar projects using the Sequencher Variance Table
- Take advantage of powerful, easy to use tools to help you detect mutations and SNPs and refer back to raw data to eliminate sequencing artifacts
- Generate reports that quickly and clearly document your findings



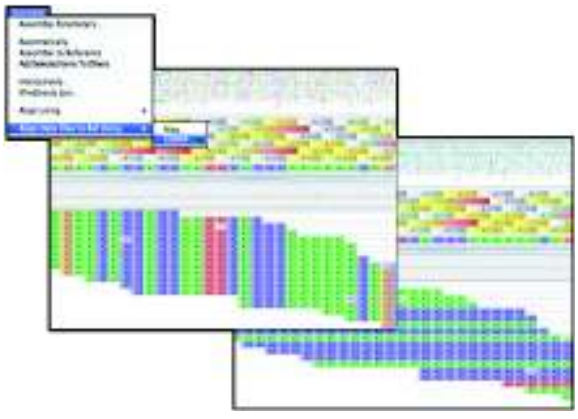
Next-Gen DNA Data Analysis

Easy, fast, and powerful has always been our tagline, and when it comes to NGS data analysis this has never been more accurate.

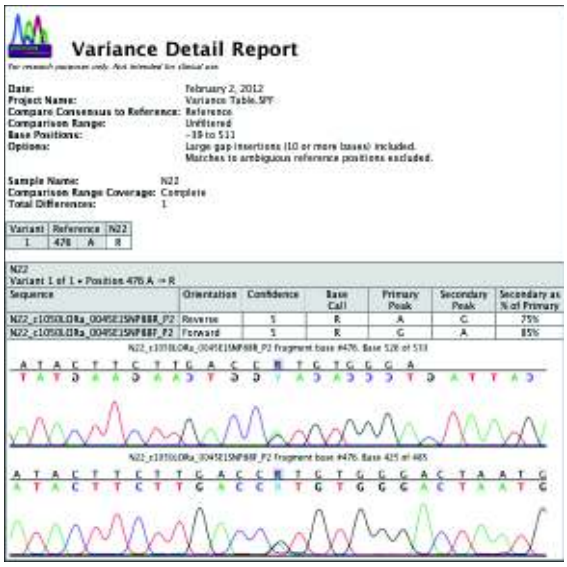
- Easily import your NGS reads with Sequencher
- Choose either Maq or GSNAP as your alignment algorithm, using Sequencher's easy-to-use interface to protect you from the command line
- View your results using Tablet in a number of different modes, highlighting bases in different colors and read directions. Get information on individual reads and read pairs and arrange the stacking of the reads to reveal pairings. Tablet has controls to enable translations, zoom in and out, as well as highlight variant bases making it a cinch to explore your reads
- SNP analysis and methylation studies

Powerful DNA Data Analysis Tools for Sanger or NGS Datasets

- Reference Sequence alignment
- Variance Table for quick and easy SNP detection
- Extensive data import and export capabilities
- NCBI BLAST search
- Forensic mtDNA profiling



For over 20 years, scientists around the world have relied on results from Sequencher



Available for Mac, Windows, or as a Dual Platform license, Sequencher comes with:

- Unlimited Technical Support for one year
- Free Upgrades for one year
- Optional network licensing capability
- Low cost maintenance

Don't just take our word for it, see what your peers are saying about Sequencher...

"Sequencher is not just the best sequence analysis program I have used; it is one of the best pieces of software I have used. Period. It is intuitive: it does exactly what I want it to do in pretty much the way I would expect it to work. "

Wilson Clements, Ph.D.
University of California, San Diego

"Whether it has been for building contigs in the search for novel causative mutations, verifying proper vector construction, or simply aligning large numbers of samples for typing of a single SNP, it has been an invaluable tool. With the advent of next generation sequencing technologies, it becomes even more necessary to have trustworthy, user-friendly software."

Rob Loechel
Chief Scientific Officer, Vetgen, L.L.C.

Import data from many sequencing platforms or technologies, including:

illumina® life technologies™ Roche

Visit our website, www.genecodes.com, and download a demo copy of Sequencher 5 today. See what your colleagues are talking about!

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