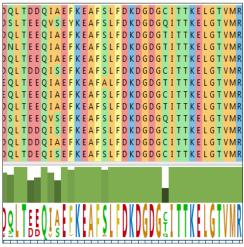
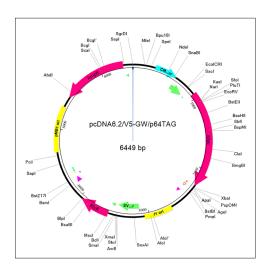


LASERGENE MOLECULAR BIOLOGY

Essential software for sequence analysis







MULTIPLE SEQUENCE ALIGNMENT

- Align DNA, RNA, or protein using Clustal Omega, Clustal W, MAFFT, MUSCLE, or Mauve
- Analyze gene homology in bacterial genomes or eukaryotic chromosomes
- Align cDNA sequences to chromosomes
- Evaluate variants across genomic strains
- Calculate trees using three popular algorithms

VIRTUAL CLONING AND PRIMER DESIGN

- Use any major cloning method, including Gibson Assembly, InFusion, Gateway, Multisite Pro Gateway, TOPO, TA Cloning, and restriction enzyme techniques
- Design and customize primers and probes
- Create and share primer catalogs

SANGER SEQUENCE ASSEMBLY

- Assemble reads *de novo* or against one or more reference sequences
- Assess read alignment, coverage, and SNPs
- Analyze and visualize variants across samples
- Design sequencing primers to improve coverage
- Efficiently trim trace sequences using manual or automated trimming options

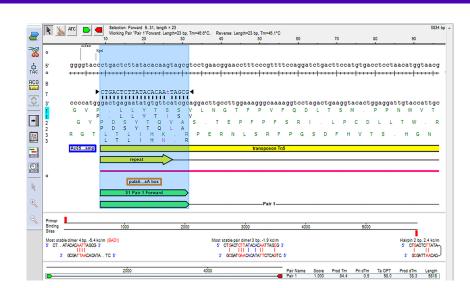
COMPREHENSIVE SEQUENCE ANALYSIS

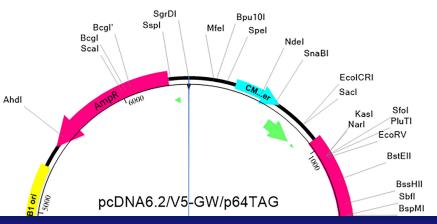
- Accurate and fast sequence auto-annotation
- Sequence editing
- Batch and single sequence translations
- Agarose gel simulations
- Gene discovery
- Flexible plasmid map creation

Flexible licensing and pricing options for any lab

SeqBuilder Pro

Lasergene Molecular Biology includes
SeqBuilder Pro, our flagship sequence
editor that supports you in everyday
tasks like plasmid map creation, virtual
cloning, and PCR primer design. With
insightful features like batch editing,
automated sequence annotation, access
to a curated and annotated plasmid vector
map catalog, and full integration with
NCBI databases, SeqBuilder Pro provides
everything you need to effortlessly
perform your sequence analysis tasks.





Complete Your DNASTAR Lasergene Software Package with our Genomics and Protein Applications

DNASTAR Lasergene includes tools for genomics and protein analysis that integrate seamlessly with the editing, analysis, and visualization tools in Lasergene Molecular Biology. If you are working with next-generation sequencing or protein data, our full DNASTAR Lasergene package provides powerful tools and accurate results for all your bioinformatics analysis needs.





