

DNASIS® MAX Software Developers Kit

Refine Your Sequence Analysis With Our Open API

DNASIS® MAX 2.5 delivers greater analysis flexibility and a customizable bioinformatics solution with the Software Development Kit (SDK). With the SDK, there are multiple options for customizing algorithms and ideas into specific analysis functions within the DNASIS MAX program.

Examples

- Create custom modules for original algorithms and automated workflows
- Link DNASIS MAX to proprietary databases
- Use DNASIS MAX as the front end for in-house servers

Flexible

The DNASIS MAX Open API is the collection of more than 200 Win32 API functions that directly communicate with the DNASIS MAX software engine. Use any programming language supported by Win32, including Microsoft Visual Basic, Microsoft Visual C++, Borland C++, and Borland Delphi, to create your unique algorithms.

Examples

- Perl Scripting for easy customization
- Microsoft Visual Basic for interactive GUI customization
- Microsoft Visual C++ for performance-critical customization

Scalable

Communication with SQL databases - MS-Access, MS-SQL, Oracle, DB2, and Sybase is critical to the incorporation of additional functionality into the existing in-house database systems. The open API supports communication between DNASIS MAX and custom modules. In addition, computationally intense tasks including large homology searches and remote access to calculation-servers are enabled.

Examples

- Store analysis results in MS-Access local database and in-house SQL databases
- Divert search queries to in-house homology servers
- Edit sequences stored in in-house databases

Automation

With the DNASIS MAX automation feature (DNASpace) and Software Developers Kit, you can streamline all routine analysis functions with predefined precision and build custom algorithms into an automated workflow.

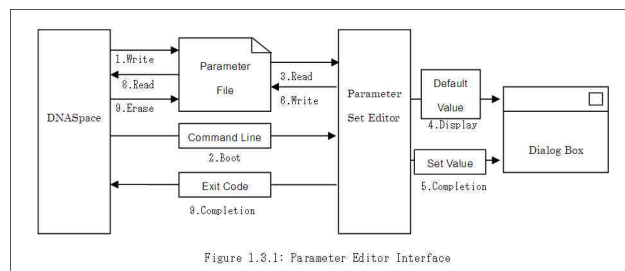
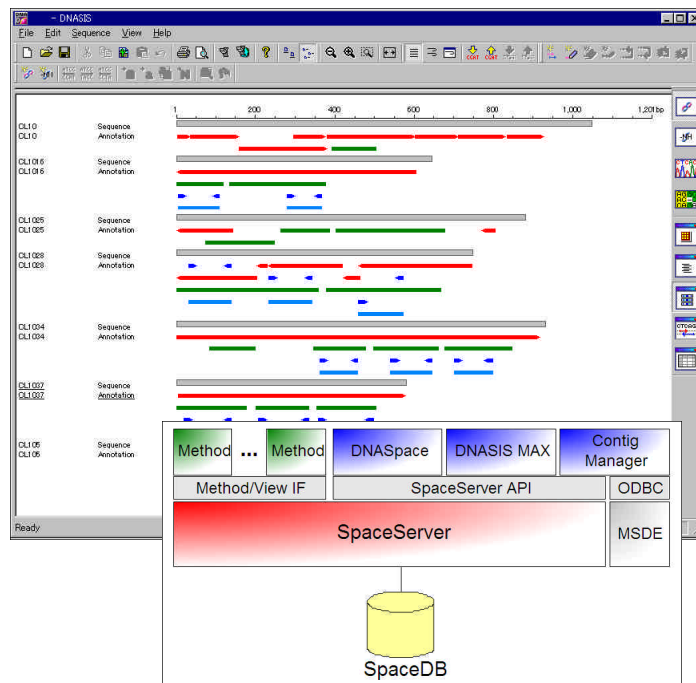


Figure 1.3.1: Parameter Editor Interface

Examples

- Scheduled oligo primer design for new sequences and siRNA design for new genes
- Automatic sequence annotation directly from your automated sequencer
- Monitor favorite websites and schedule update notification

System Requirements

Windows 98, NT4.0 (SP6 or later), 2000, XP, 128MB Ram or higher recommended, 100MB disk space for program installation

Training & Service

Training and IT assistance is available for customers using the DNASIS MAX Developers Kit. Visit our web site or call 1-800-624-6176 for more information.

© 2004 MiraiBio Inc. All rights reserved.