Refiner Genome provides a unified data management solution for next-generation sequencing and other high-density genomic profiling technologies.

Maximizes value of high-throughput genomic experiments.

Enables scientists to visualize and analyze next-generation sequencing data.

Ensures highest data quality and security.

Refiner Genome is vendor and technology independent and supports:

- Illumina Genome Analyzer & HiSeq
- ABI SOLiD
- Roche 454
- 3rd generation sequencing
- High-density microarrays
Maximizes Value of Next-Generation Genomic Experiments

Refiner Genome provides a unified solution for exploring, visualizing and analyzing whole genome data, such as

- RNA expression
- Gene regulation
- DNA methylation
- SNP analysis
- Copy number variation

Data can either be easily combined or analyzed separately to extract relevant information.

Refiner Genome comes with a carefully selected set of algorithms providing the power and flexibility to answer all relevant questions.

Refiner Genome handles terabytes of experimental data from different vendors and technology platforms.

 Increases Productivity by Providing a Communication Platform for Interdisciplinary Teams

Built on the proven foundation of Genedata Expressionist workflow architecture, Refiner Genome simplifies and automates even the most complex of analyses. The workflows can be built and shared within an enterprise for maximum ease of use.

An innovative, interactive genomic browser is capable of smoothly visualizing terabytes of data.

The workflow system combined with the browser allows interdisciplinary teams to easily collaborate and increase efficiency.
## Key Features
- Secure data management combined with enhanced reporting and audit trail capabilities
- Large team of domain experts provide 24/7 support to customers; further services available

## Benefits
- Highest data quality and security throughout the enterprise
- Greatest flexibility and cost efficiency

### Highest Data Quality and Security Throughout the Enterprise

Utilizing client-server architecture, Refiner Genome enables enterprise-wide data management and retrieval.

- Powerful algorithms for data quality assessment and normalization for consistent and reproducible results, graphical analysis scripts, audit trails and reporting capabilities enable the implementation of Standard Operating Procedures (SOP).
- Open architecture facilitates easy integration into existing IT infrastructures.
- Documented public APIs allow for flexible extension with external algorithms and third party tools and methods.

expressed as the database user interface.

### Flexibility and Cost Efficiency Through Professional Services

Refiner Genome comes with a comprehensive support package to meet your business needs including user training and 24/7 helpdesk support by Ph.D.-level biologists and statisticians.

Genedata provides professional services and has many years of experience supporting large and complex enterprise environments. Professional services may include but are not limited to: user, expert or administrator trainings, data curation and integration services, data maintenance, scientific consulting and custom software development projects.

"The centralized data storage, processing and analysis infrastructure and know-how made available by Genedata was instrumental."

Prof. Friedlieb Pfannkuch in his function as project coordinator (F. Hoffmann-La Roche)
Genedata Expressionist is a modular enterprise system for biomarker discovery and molecular profiling. It represents a single-point-of-access system for experimental, proprietary and public data, including sample information, raw and pre-processed data and analysis results with reports and documentation. Dedicated Refiner modules for mass spectrometry and gene expression microarray data readily extend the system beyond NGS data to cover the entire biomarker discovery and development workflow. Integrated omics data management and mapping technology support data analysis, biological interpretation and decision making.

For more information about Genedata and our products visit www.genedata.com or contact expressionist@genedata.com

Genedata AG
Switzerland
Margarethenstrasse 38
CH-4053 Basel
Switzerland
Tel. +41 61 511 8400
Fax +41 61 511 8484

Genedata GmbH
Germany
Munich Office
Lena-Christ-Strasse 50
D-82152 Martinsried
Germany
Tel. +49 89 4581 9010
Fax +49 89 4581 9015

Konstanz Office
Byk-Gulden-Strasse 2
D-78467 Konstanz
Germany
Tel. +49 7531 209900
Fax +49 7531 209890

Genedata Inc
USA
East Coast Office
750 Marrett Road
One Cranberry Hill Suite 304
Lexington, MA 02421
Tel. +1 781 357 4755
Fax +1 781 357 4770

West Coast Office
109 Stevenson Street
5th Floor
San Francisco, CA 94105
Tel. +1 415 970 6628
Fax +1 415 970 6631

Genedata KK
Japan
2-7-11-603 Nishi-Gotanda
Shinagawa-Ku
Tokyo 141-0031
Japan
Tel. +81 3 3779 3175
Fax. +81 3 3779 3176

All trademarks used or mentioned in this brochure are protected by law. Genedata Expressionist is a trademark of Genedata. Other brands or product names are trademarks of their respective holders.
© 2010 Genedata AG. All rights reserved.