

GenoProof® 2

Kinship Analysis
Population Studies
Chimerism Analysis
Batch Analysis

GenoProof® 2 is the newest version of our established renowned scientific evaluation software GenoProof®. GenoProof® has been especially developed for the generation of parentage expertises, kinship analysis and the conduction of population studies. By integration of chimerism analysis, GenoProof® 2 provides now the possibility for an application in clinical environment. One of the new key functionalities is the possibility to work directly with the data from the sequencer without using any additional software.

- **All-in-One Solution:** GenoProof® 2 does now support the entire scope of kinship analysis, starting from the evaluation of sequencer raw data to execution of biostatistical calculations. You do not require any other software anymore.
- **Established and approved:** GenoProof® is used by different certified legal medicine institutes, forensic DNA labs of the police or state and private labs with a focus on forensics and paternity testing in Europe. It is used for the analysis of paternity cases, as well as for deficiency cases or sibling analysis.
- **Comprehensive:** GenoProof® includes an extensive, continuously-trimmed population database with more than 1,000 allele frequency tables.
- **Versatility:** GenoProof® supports the analysis of all commercial multiplex PCR as well as the analysis of in-house PCR kits. Additionally GenoProof® supports the examination of autosomal STRs, X- and Y-chromosomal STRs as well as the combined analysis.



Simply and safely

Benefit from the possibility to test GenoProof® in your laboratory for 30 days - free of charge and without commitment. Please contact us for a demo licence!

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GenoProof®

New Features

Raw Data Analysis: Highly sophisticated size and allele calling algorithms allow for high-throughput raw data analysis. The unique graphical user interface has been especially designed to support the raw data analysis.

Batch Analysis: The batch analysis evaluate a multitude of data sets in one calculation routine.

Genealogical Trees: A special visualization tool enables the user to define and present the full scope of kinship relations as genealogical tree, no matter how complicated.

Calculation: Subpopulations and silent alleles are now included in parentage cases. In addition, different mutation models are available for the calculation of mutation rates. The deficiency analysis was also improved.

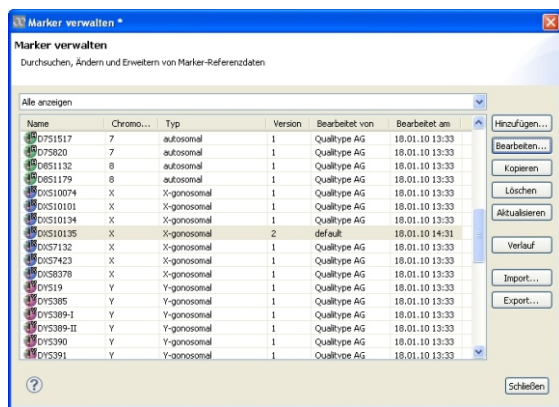
Relatedness: The calculation of the avuncular index enables the inclusion of profiles of relatives into parentage cases.

Twin Investigations: Statistical evaluation of monozygosity and dizygosity probabilities for twins.

Chimerism Analysis: Chimerism analyses based on the genotypes of patients and donors including the calculation of standard deviations and detection limits.

System Requirements

- 32 Bit Windows®
Microsoft® Windows® XP, Vista; Windows 7
Microsoft® Windows® Server 2003 und 2008
- At least 512 MB RAM available
- 500 MB free hard disc space (without database)
- A screen resolution of 1024 x 768



The variety of configuration options and innovations in functionalities individually support an optimal customisation to your daily work

Basic Functionalities

Network-compatible: Available as single-user license with local database or multi-user version including a common database with protected access.

User Interface: Unique graphical user interface and user-friendly handling.

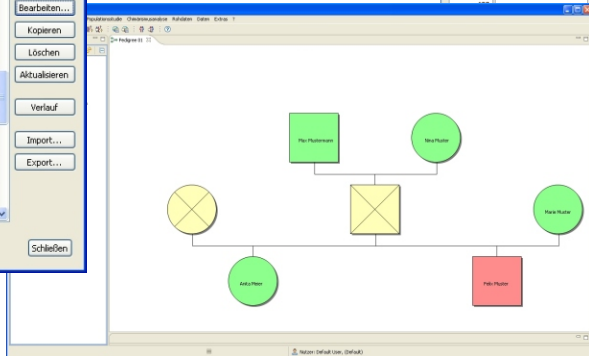
Language: User Interface and documentation in English and German.

Security: There are integrated rights concepts to guarantee data security and protection.

Import Formates: Interfaces for data import from commercial sequencer software like ABI Data Collection Software, ABI GeneScan®, ABI Genotype® and ABI GeneMapper® ID. In addition different file formats like fsa files are supported.

Data Exchange: GenoProof® supports the exchange of data between several users. This allows the use in research cooperations.

Reporting: Define a variety of reports from order confirmation up to compilation of a legal expertise. The reports can be displayed in pdf or word format. Additionally contents like electropherograms and tables can be printed directly and fast.



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