



TGex™
TRANSLATIONAL GENOMICS EXPERT

Robust Management of Genetic Testing

Fast-track your NGS Analysis, Interpretation & Reporting



Clinical genetic laboratories offer a variety of panel-based tests, from screening of cardiovascular diseases to cancer risk. Standardized workflows that guarantee consistency in analysis are key for scaling up operations and adherence to regulatory guidelines. Tailored reports may also be needed to cater to a diverse audience of clinics and hospitals.

Why TGex?

TGex is a novel, ACMG compliant, knowledge-driven Next Generation Sequencing (NGS) analysis, interpretation and reporting platform that offers intuitive and powerful management of genetic testing workflows. It allows you to easily define protocols that drive your genetic testing process, to design and customize reports for each test individually, and to enable a structured, reproducible pipeline that guarantees your regulatory adherence.

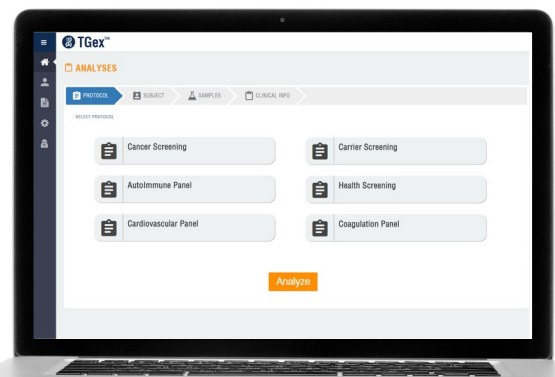
Benefits and Features

- Manage your various genetic tests in an easy-to-use, regulation-compliant management system
- Automate and standardize your genetic testing analysis, interpretation and reporting processes
- Tailor your reports to present genetic testing results in the most appropriate manner for your customers
- Easily integrate with your existing analysis pipeline, internal and licensed data sources
- Leverage an ever-growing, automatically generated in-house database for further analysis and interpretation



"TGex is an easy-to-use system for managing our genetic tests. It makes it easy to identify variants of relevance through its integration with various sources of evidence, and its ability to customize reports allows us to present our results to clients in the most useful manner. We strongly recommend it for labs that provide genetic information to clinical care professionals."

- Lina Abi Mosleh, Ph.D., Ayass BioScience



ANALYSIS REPORT

CASE

Patient information
Specimen information
Clinical information

GENERAL

Data sources
Methods
Disclaimers

VARIANT

Variant information
Clinical significance
Relevance & Notes

GENE

Clinical significance
ClinVar summary

TGex - Translational Genomics Expert

Powerful management system that adapts to your needs



- Manage all your analyses, samples and reports in a centralized location
- Streamline your analysis processes using customizable and flexible workflows
- Perform sophisticated meta analysis on your ever-growing sample database
- Define your own virtual gene panels and variant maps, and predefined filters

Integrated and easy-to-use analysis & interpretation view

- Clear presentation of all metadata relevant for the analysis and interpretation of variants
- Sophisticated classification of variant attributes in an interactive matrix
- Simplified, integrated support for analysis of multiple genetic models
- Supports the integration of your own internal or licensed data to enrich your analyses



Automatic, customizable reports with a click of a button



- Comprehensive clinical evidence and relevant literature automatically included in reports
- Fully customizable reports including selection of data throughout design
- Adaptive reporting per workflow and per target customer
- Supports the integration of your own internal or licensed data to enrich your reports

Flexible deployments, APIs and Integrations

- Accessible on Microsoft's Azure secure cloud or installed within your secure network
- Integrates with your existing primary and secondary pipelines using straightforward APIs
- Supports integration of in-house and licensed data into the analysis or to enrich reports
- Custom data analytics may be provided on any feature of your samples



COMPLIANT WITH

ACMG
GUIDELINES

AUDITED FOR

HIPAA

VALIDATED FOR

CLIA-CAP
LABORATORIES

PARTNERED WITH

Microsoft
Azure

Powered by the
GeneCardsSuite

Integrating >120 key data sources, the GeneCards® Suite Knowledgebase empowers your NGS analysis by highlighting associations between genes and phenotypes, providing supporting evidence for immediate evaluation and automatically generating analysis reports.