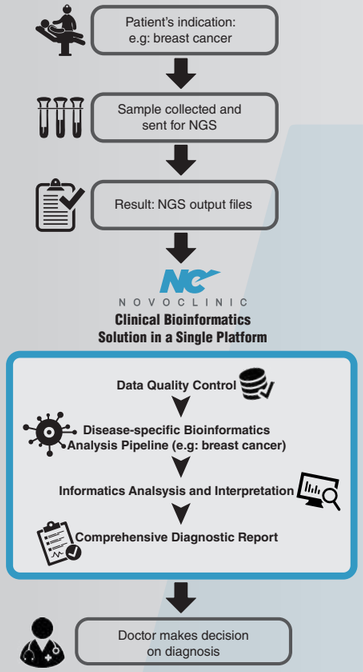
NovoClinic

A patient-centric NGS targeted sequence analysis platform that provides integrated sample tracking for quality control and compliance. The built-in customizable analysis pipeline and straight-forward data reporting system will ease the burden of data mining and interpretation, allowing clinicians to focus on diagnosis and treatment.

NovoClinic Process Flow



NovoClinic Solutions

NovoClinic System

- Single analysis platform from data QC to report generation.
- Simple training and easy-to-use.
- Integrated kit-analysis pipeline & version control.
- Compliance to standards.
- Local deployment and/or Cloud.
- Multi-level access controls.
- Highly customisable.

NovoClinic Assist

- Assay/Kit assessment.
- Analysis pipeline development & integration.
- Custom database integration and development.
- Custom analytics development.

NovoClinic Features

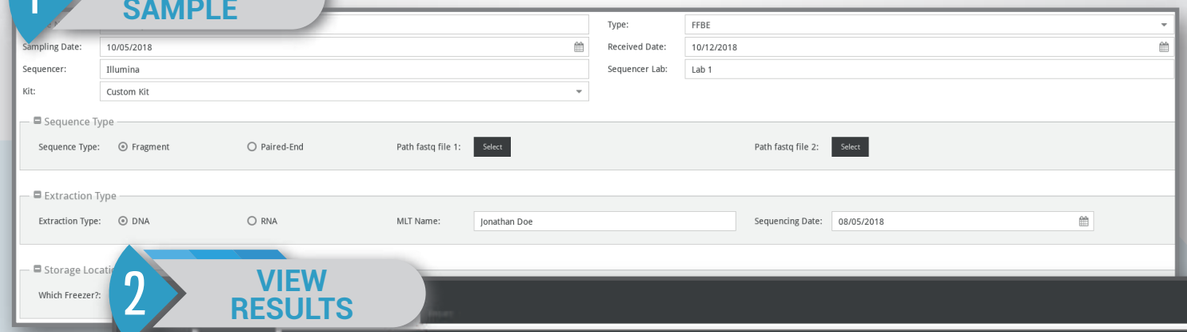
Analysis, Interpretation & Reporting

- Integrated Assay/Kit-Analysis Pipeline.
- Custom Disease Variant Model.
- Gene/Variant Overview.
- Custom Report Generation.
- Internal Annotation & Knowledge-Base.

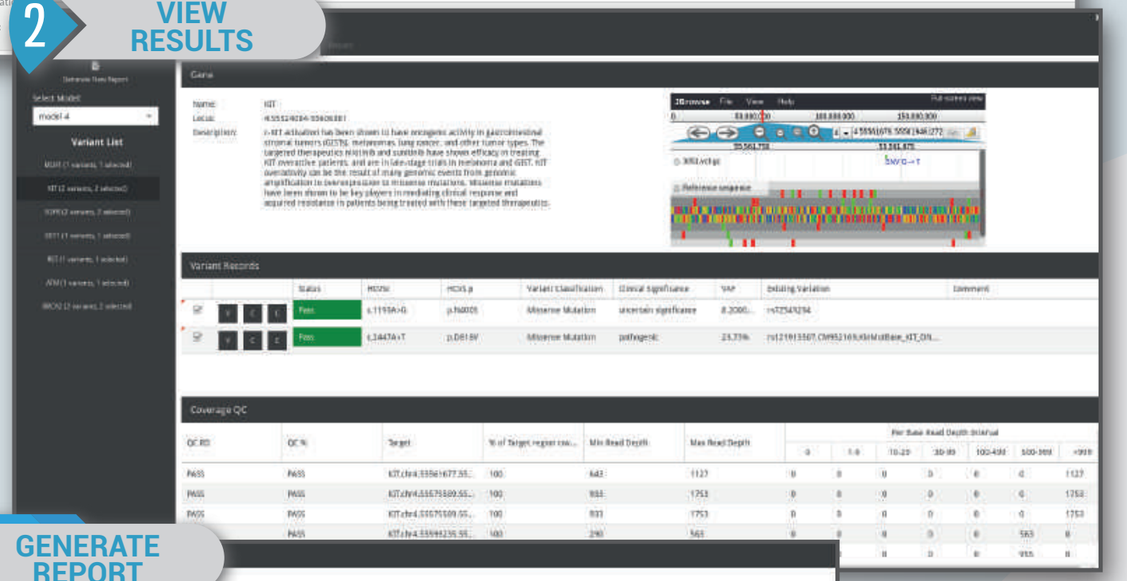
System & Security

- Activity Tracking / Logging.
- User Access Level.
- Credit Assignment and Monitoring.

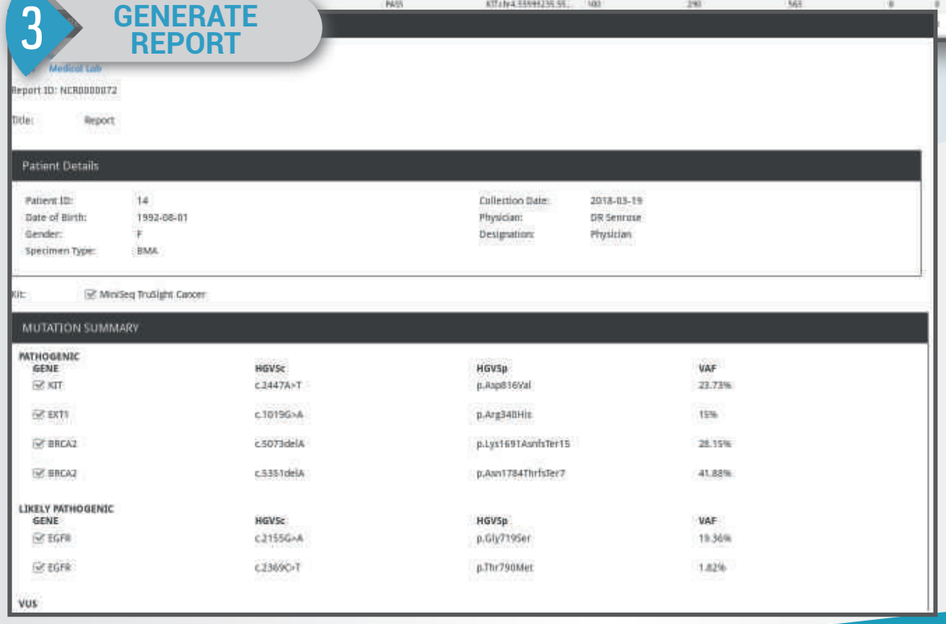
1 CREATE SAMPLE



2 VIEW RESULTS



3 GENERATE REPORT



Standards Compliance

- ISO 27001
  - Confidentiality, Integrity, Availability.
- Clinical Laboratory Improvement Amendments (CLIA) of 1988
  - Report format, Version control, Logging.
- Health Insurance Portability and Accountability Act (HIPAA)
  - Security and Privacy Rule.

Activity Tracking / Logging

- Logs view:
  - General log
  - Patient-specific log
- Activity Records
- Accessible log file for auditing purposes

Internal Knowledge Base

- Integrated variant databases.
- Search by gene or variants name.
- User able to add their own internal notes.
- Customisable databases.

Secure & Customisable Report Generation

- Customisable report template
- Selection tracking
- Multi-level verification

User Access Level

Different user access level

- User
  - No access to the result and report view.
- Admin
  - Able to add users, monitor users activity.
- Physician / Clinician
  - Have access to the results.
  - Able to view / edit / sign off / download report.

Other features

- Standard pipelines are powered by Novocraft's proprietary novoAlign & novoSort software.
- Optional intergration of data into novoWorx platform for research purpose.
- Allows integration into existing LIMS system.

Disease Gene-Variant Model

- Disease model
- Filter parameters
- Expression rules
- Report Automation