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 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 customizable.

**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.

**NovoClinic Process Flow**
1. CREATE SAMPLE
   - Patient’s indication: e.g. breast cancer
   - Sample collected and sent for NGS
   - Result: NGS output files

2. VIEW RESULTS
   - Data Quality Control
   - Disease-specific Bioinformatics Analysis Pipeline (e.g. breast cancer)
   - Informatics Analysis and Interpretation
   - Comprehensive Diagnostic Report
   - Doctor makes decision on diagnosis

3. GENERATE REPORT
   - Patient’s indication: e.g. breast cancer
   - Sample collected and sent for NGS
   - Result: NGS output files

**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**
- 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 integration 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

**NovoClinic Features**
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