

# COVREPORT

VISUALIZATION TOOL FOR NGS REPORTS



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PARTNERSHIPS

Licensing

R&D collaboration

INTELLECTUAL PROPERTY

Patent pending



## APPLICATION

The visualization tool aims to broaden the scope of NGS users and facilitate coverage reading of NGS reports for clinicians in their everyday practice.



## TECHNOLOGY

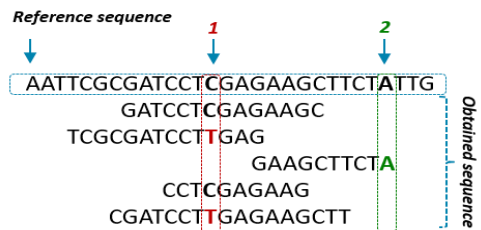
CovReport is a new gene sequencing coverage visualization tool that greatly facilitates the interpretation of diagnostic test sequencing report reports.

It generates a concise summary of the gene coverage allowing to evaluate the performance of the sequencing test at a glance.



## PROBLEM ADDRESSED

New Generation Sequencing revolutionized genome sequencing and is getting more and more available. However the comprehension of the generated reports is still a complicated task for non specialists. An important task is making NGS reports easy to interpret.



- Position 1 has 4x coverage (description of its sequencing depth) meaning that this position was « seen » 4 times ;
- Position 2 has 1x coverage .

Figure 1. Read coverage of genome sequencing

As a result, the clinician can manage the diagnostic work-up in a more efficient way by requesting additional sequencing tests for the regions with insufficient coverage. A user-friendly interface generates a graphical summary of the coverage that can be directly included in the patient's report.

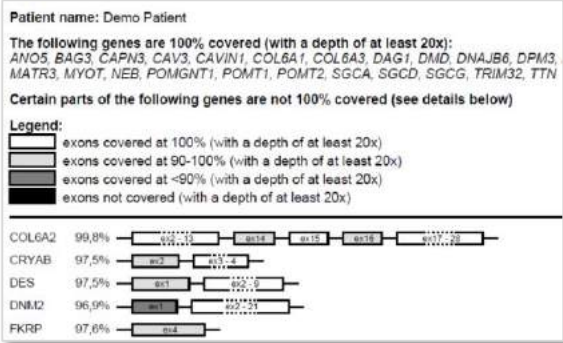


Figure 2. CovReport visualization sample



## ADVANTAGES VS. STATE OF THE ART

- ✓ Reliable scientific solution issued from a public research institution specializing in bioinformatics;
- ✓ User friendly : easy to use tool, readable and understandable reports, suitable for clinicians without special genetics-related training;
- ✓ In situ approval : the tool has been tested for a year in real hospital conditions and proved its efficiency (including several diagnosis changes).

