FH panel

Genetic characterization of familial hypercholesterolemia

4bases FH panel is an **amplicon-based assay** for the rapid and cost-effective detection of well-known and novel germline variants associated with familial hypercholesterolemia.

It targets 9 relevant genes and includes the analysis of SNPs related to polygenic risk and statin response using **Next Generation Sequencing (NGS).**

The kit is validated for use with DNA extracted from blood samples.

4bases FH panel allows for **precise**, **reliable**, and **effective results**, **speeding up** genomic data analysis workflows.

From DNA to sequencing in less than 1.5 days with less than 2 hours hands-on time.

Straightforward protocol
Tailor-made protocol for operator's time schedule, presence of many stopping points, reduced hands-on time

Sequencing platform flexibility
Common overall protocol for different sequencing applications (Illumina, MGI, Oxford Nanopore Technologies, Ion Torrent, Element Biosciences, GeneMind)

Platform 4eVAR
Safe and secure data analysis via 4bases proprietary solution, with continuous experienced customer support

FH panel

Genetic characterization of familial hypercholesterolemia

Specifications

Sample type	DNA extracted from blood samples
Input	Minimum of 10 ng DNA per sample
Panel size	32 kb
Gene content	ABCG5, ABCG8, APOB, APOE, LDLR, LDLRAP1, LIPA, PCSK9, STAP1 (including of 25 bp proximal to the 3' and 5' end)
Variant called	SNPs, indels, CNV
Compatible Instruments	Illumina, Oxford Nanopore Technologies, Ion Torrent, MGI, Element Biosciences, GeneMind
Data Analysis	4eVAR

Cod. kit

Product	Cod.	Tests number
FH panel	RH1111-16	16
FH panel	RH1111-96	96

4eVAR: Comprehensive output files for analysis and reporting

- Quality metrics
- Alignment
- CNVs status
- Full variant table
- Genotype
- Coverage
- Customizable report

Data Analysis

Product	Cod.	Tests number
4eVAR	A6060-H1111-16	16
4eVAR	A6060-H1111-96	96

If you wish to learn more:

Contact us at: info@4bases.ch
4bases SA – www.4bases.ch

4bases Precision Matters