

# SNP genotyping

**DNA Vision** is the leading DNA analysis service provider, offering a complete solution for the discovery of new genetic variations, the development and validation of methods for the detection and quantification of genetic variants and the routine analyses of variants using low and high throughput technologies.

## One-stop shopping solution (from design to biology)

- ▶ Design, development, validation
- ▶ DNA extraction (tissues, cells, blood, saliva)
- ▶ DNA analysis (discovery of new variants, high throughput genotyping, variant quantification)
- ▶ Biostatistical analysis
- ▶ Final reporting according to your requirements

To guarantee the quality of our results, we comply with the international drug development standards required by regulatory authorities. We are the first laboratory in Europe to be **ISO17025** accredited in pharmacogenetics and pharmacogenomics. We are **CLIA** registered and also **GLP** certified for pharmacogenomic and toxicogenomic studies.



View of DNA sequencing platforms at DNA Vision



## Added value for your research

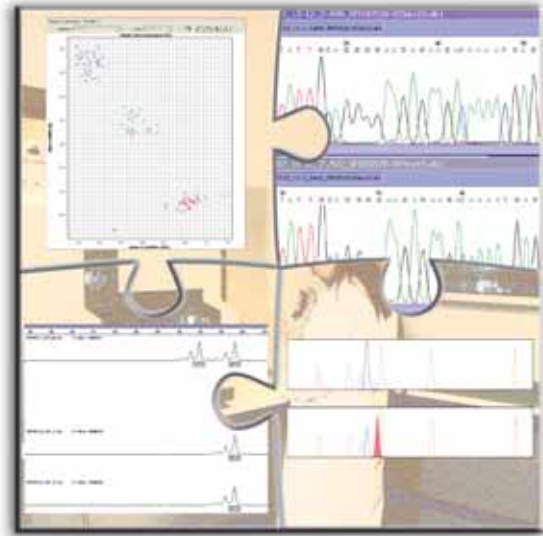
- ▶ **Expert assistance** : from design to results
- ▶ **Solution provider** : the best techniques for your requirements
- ▶ **Fast and flexible turnover** : medium or large studies
- ▶ **Preclinical & Clinical studies following GLP & GCLP guidelines**
- ▶ **GLP certified for pharmacogenomic and toxicogenomic studies (IPH GLP D-01)**
- ▶ **ISO17025 accredited (BELAC # 293-TEST)**
- ▶ **CLIA registered**

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**DNAVision** is a solution provider rather than a simple service provider associated with one technology. We therefore use different techniques associated with a variety of technologies in order to meet your specific requirements.

## Technologies :

- ▶ Sequencing with ABI v3.1 or v1.1 Big Dye chemistry and 3730/3130 GA
- ▶ ABI SNPLex technology - **official service provider**
- ▶ Classic or fluorescent PCR, ASA (allele specific amplification) and CAPS (cleaved amplified polymorphic sequence).
- ▶ Pyrosequencing
- ▶ ABI TaqMan allelic discrimination
- ▶ Affymetrix technology (10K, 100K, 500K, SNP 6.0, targeted SNP arrays for different species) - **official service provider**
- ▶ Illumina technology (Golden Gate assays and Infinium)
- ▶ Luminex technology and xMAP® technology based applications



## State-of-the-art technology :

### ▶ Search for new variants

**DNAVision** can carry out your complete discovery process of new genetic variants, including gene structure studies, primer design, sequencing and analysis, allele frequency determination with control DNA panels.

### ▶ Development and validation of methods

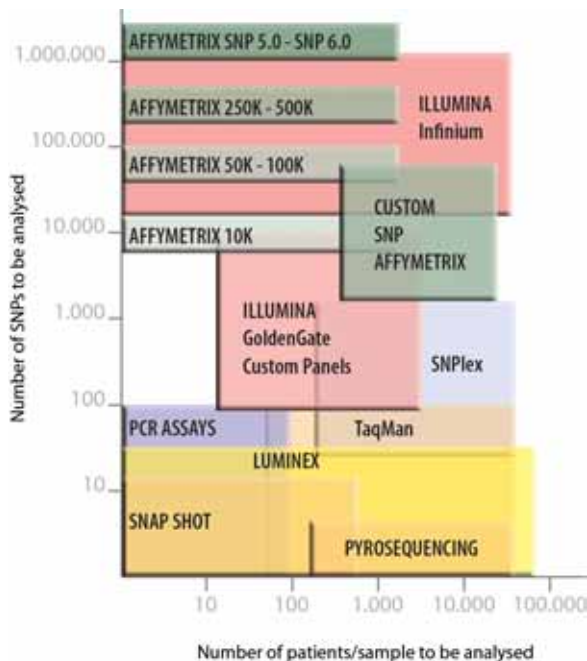
**DNAVision** develops and validates analytical methods for your chosen SNP variants. The technology used depends on the type and number of variants and on the number of samples. Validation is in compliance with ICH guidelines.

### ▶ Routine analysis

**DNAVision** does the routine analysis of your samples using in-house methods, or your methods after validation/transfer. We use different technologies including low or high throughput technologies for sample analysis / SNP genotyping.

### ▶ Variant quantification

**DNAVision** develops methods to quantify variants in mixed DNAs. Single SNPs can also be quantified using pyrosequencing or an in-house method (QSNap).



[www.dnavision.be](http://www.dnavision.be)

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