Genotyping

Insertion/Deletion · SNP · Copy Number Variation.

Targeted identification and characterization of known genetic variants, including insertions, deletions, single nucleotide polymorphisms (SNPs) and copy number variations (CNVs), using PCR, qPCR and digital PCR.

WHAT THIS PLATFORM RUNS

SERVICE OR TECHNIQUE	WHAT IT COVERS	TYPICAL USE
Insertion & Deletion Genotyping	Detection of known insertions and deletions using conventional PCR, allele-specific amplification and fragment-size analysis	Knockout models, transgene integration, genetically modified cell lines
SNP & Allelic Discrimination	Identification of known single nucleotide variants using allele-specific PCR, probe-based qPCR or digital PCR	Homozygous and heterozygous genotypes, individual samples or cohorts
Copy Number Variation (CNV)	Quantification of gene and transgene copy numbers using qPCR or digital PCR	Gene deletions, duplications, transgene copy number, engineered models
Genetic Model Screening & Validation	Genotyping of transgenic animals, engineered cell lines and experimental cohorts	Screening known modifications, confirming variants found by sequencing

WHAT IT LETS YOU DO

Detect known insertions and deletions

Applications include knockout models, transgene integration and genetically modified cell lines.

Determine genotypes

Homozygous and heterozygous genotypes across individual samples or experimental cohorts.

Quantify copy numbers

Gene deletions, duplications, transgene copy number assessment and genetically engineered models.

Screen and confirm genetic models

Screening of known genetic modifications and independent confirmation of selected variants identified by sequencing.

Where this platform stops. Analysis and interpretation of the results are run by GENXMAP's computational team. Ask for them in the same quote.

Turnaround. Standard (4–6 weeks) / Priority (2–4 weeks): business days, from GO after sample reception QC. Routine services run to 72 hours (for example genotyping once the line is validated). The date in your quote is the one that binds us.

SAMPLES, DELIVERABLES AND ORDERING

Samples. Extracted DNA, or the sample itself if extraction is part of the project. Input is confirmed once your target is scoped.

Sample requirements are published on the sample submission guidelines.

genxmap.com/lab/sample-submission-guidelines#qpcr

Deliverables. Result tables per plate and per sample, with the QC report of the run.

Quality-controlled primary data and platform documentation. Analysis and interpretation can be added to the same quote.

genxmap.com/lab/turnaround-times

Ordering. Request a quote with your sample type, the number of samples and the question you are asking. We reply within 2 business days.

Not sure of the input? We confirm it before you ship anything.

genxmap.com/contact

QUOTES AND ORDERING

sales@genxmap.com
+33 7 69 44 16 18

SAMPLES, PROTOCOLS, QC

lab@genxmap.com
+33 4 13 73 24 81

LABORATORY

GENXMAP, IHU Méditerranée Infection
19-21 boulevard Jean Moulin
13005 Marseille, France