

SEQUENCING | GENOTYPING | BIOINFORMATICS | ORGANISM IDENTIFICATION | MOLECULAR DIAGNOSTIC

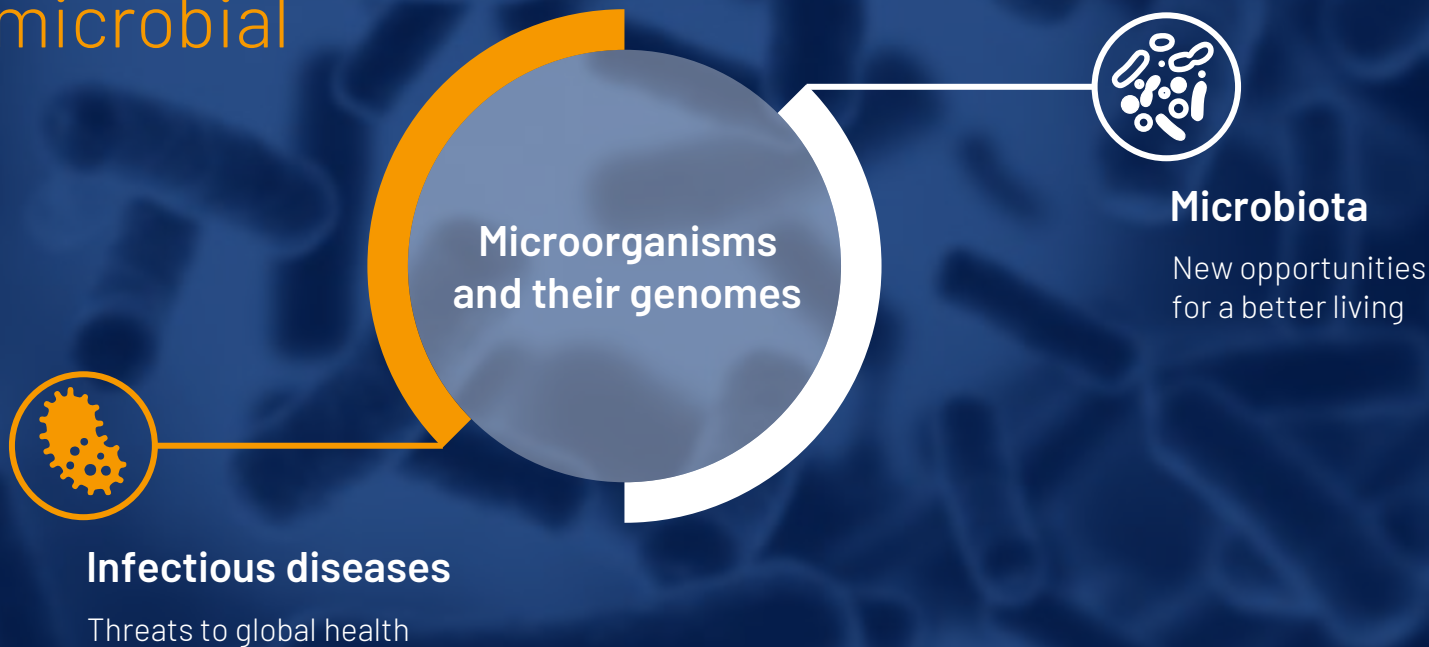
# GenoScreen



DNA is our DNA

**Analyze | Understand | Reveal**

# The 21st century Will be microbial



## What sets us apart



# Genomics for the Agricultural industry

## Soil evaluation

- Soil taxonomy
- Soil microbiome functions
- Biodiversity indices

## Product impact

- Impact studies on soil biodiversity/functionality
- Evidence-based claim validation
- Regulatory needs

## Biostimulant

- Characterisation of strains
- Monitoring survival rate / Soil resilience

## Crop performance

- Highlighting differential gene expression
- highlighting metabolic pathways



# Microbiomes investigations

Using our tailored all-in-one solution to unveil bacterial communities composition and functions



## Experimental design

- Design your project along qualified microbiome experts



## Sampling strategy

- Standardized sampling protocols
- Sampling and collection material supply



## Customized samples analysis

- Refined extraction methods
- Optimized sequencing strategy



## Proprietary analysis pipelines

- Matrix specific dedicated bioinformatic pipelines



## Results interpretation

- Clear answers provided
- Guided tour of the results



## Expert support

- Scientific, technical and commercial support throughout the entire project



# Our metagenomic portfolio

A whole ecosystem of metagenomic methodologies

Metabarcoding 16S/18S

Shotgun metagenomics/metatranscriptomics

## First-Res

The first step into microbiome analysis

## Hi-Res

Precise description of microbial communities

## Full Reveal

The most representative microbiome characterization

## Activ'Reveal

Comprehensive dissection of active functions

- Sample comparison

### Taxonomic coverage

- Single taxon (e.g. Bacteria, Eukaryota)
- All taxa (simultaneously)

### Taxonomic resolution

- Genus level
- Species level
- Relative quantification

### Functional characterisation

- Key microbial function (functional potential)
- Active microbial function



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Thank you  
for your attention