



## Bacterial metagenomics

The bacterial composition of a sample will be profiled through the amplification and target sequencing of the V3 and V4 variable region of the 16S ribosomal RNA (or 16S rRNA) using Illumina Miseq sequencing 300×2 approach. The service includes taxonomic affiliation, diversity and comparative profiling and intranet real-time supporting (including 3 partial reports).

### ADDRESSED TO

**Agriculture and livestock.** Pre and probiotics effect on animals, new generation biofertilizers development, soil fertility functional characterization, detection of potential pathogens in several crops, microbiome characterization during improve/resistant crops screening.

**Health-Care: Clinicians and pharma.** White rooms monitoring, diets monitoring, odontological clinics (Monitoring dental pathogens), Gut microbiome.

**Consumer goods industry.** Monitoring biofermentative products, Prophylactic crisis (Zoonosis and human pathogens), Increase of expiration dates, Water quality control.

**Research centers.** Human diseases characterization (Obesity, diabetes, Crhon's disease, Celiac disease), Environmental studies (oceans, soil, water), Biomarkers detection, Pre and probiotics assays, Gut microbiome.

### WHAT CAN YOU EXPECT FROM US

High level of advice in the experimental design

q30 quality guaranteed for almost 70% reads

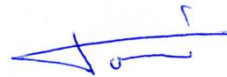
Validation with various software and custom pipeline

Custom report and faster results (4-5 weeks)

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