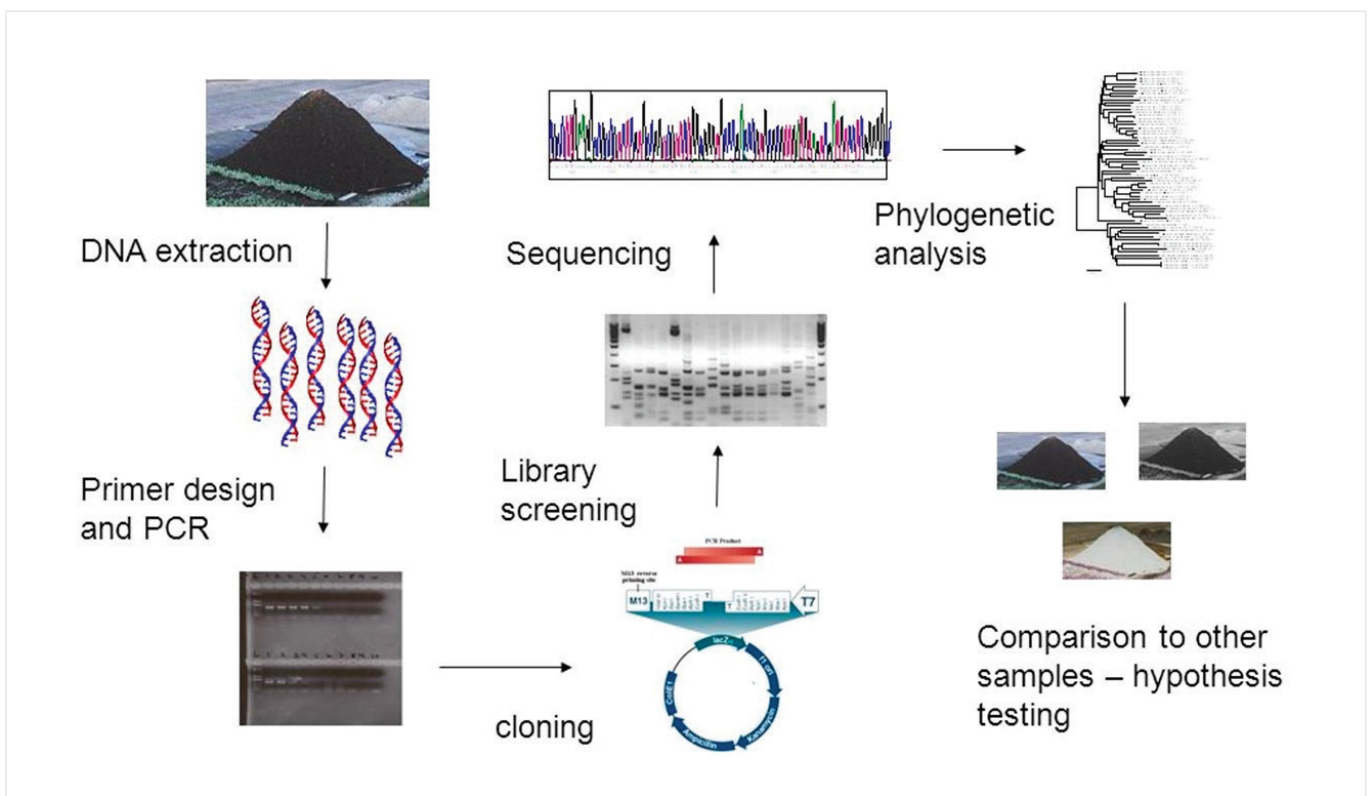


Microbial Community Analysis

The microbial community analysis offers the opportunity to discover the information on the entire set of microorganisms (bacteria, yeasts, fungi, algae, etc.) present in given samples. Thus improve the microbial diversity studies for environmental and other microbial samples (e.g. food, water, soil, gut or skin microbiome).



Creative Biogene offers the complete series of microbial community analysis services. Our services are based on the PCR and Next-Generation Sequencing (NGS) technology, which opened a variety of possibilities for microbial identification and microbial diversity studies.

Gut Microbiome Analysis

With our PacBio SMRT sequencing, and Nanopore sequencing platforms, we can identify, quantify and analysis the gut microbiota. Complete metagenomics studies can be performed to survey the genomes of entire communities, including those of unculturable organisms.

Illumina Hiseq



Illumina Miseq



Ion PGM



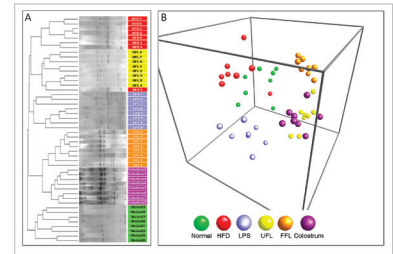
PacBio SMRT system



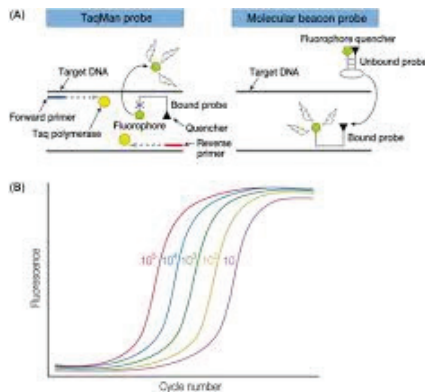
Nanopore system



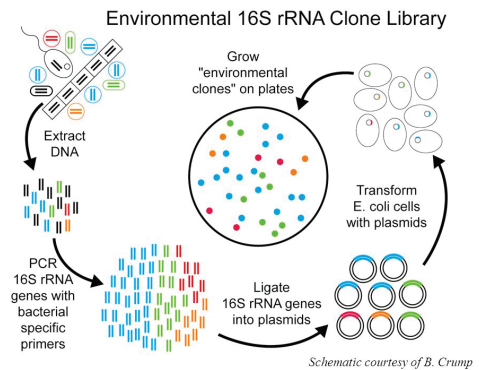
PCR-DGGE



Real-time qPCR



Clone library



Featured Service Portfolio

Basic Analysis

- Sequence Filtering and Trimming
- Sequence Length Distribution
- OTU Clustering and Species Annotation
- Diversity Index
- Shannon-Wiener Curve
- Rank-Abundance Curve
- Rarefaction Curve
- Multiple Contrast
- Heatmap
- Principal Components Analysis (PCA)

Routine Analysis

- Heatmap
- VENN
- Principal Components Analysis (PCA)
- Microbial Community Structure Analysis
- α Diversity Index Analysis
- Matastats Analysis
- Weighted Unifrac test
- CCA/RDA Analysis

Advanced Data Analysis

- Phylogenetic Tree
- LDA-Effect Size (LEfSe)
- Network Analysis
- Correlation Analysis

Creative Biogene provides powerful and comprehensive solutions for microbiota analysis that will boost your research.



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