

## Shallow Shotgun Metagenomic Sequencing

**Shallow Shotgun Metagenomic Sequencing** is a relatively recent application that bridges the gap between amplicon sequencing and deep shotgun metagenomic sequencing by offering a cost-friendly alternative to 16S rRNA amplicon sequencing. It offers species-level taxonomy with little to no PCR bias from amplification and offers taxonomy coverage across different taxa.

It addresses the challenges of amplification bias for today's microbiome studies and provides a less biased representation of microbial communities, similar to that of deep shotgun metagenomic sequencing. It is suitable for large-scale human microbiome studies.

### Our Key Features & Advantages



#### Comprehensive Analysis

We provide expert bioinformatics analysis using the latest databases and software, generating high-quality and publication-ready data.



#### Effective Methodology

Our techniques enhance the generation of data from low-abundance species.



#### Outstanding Service

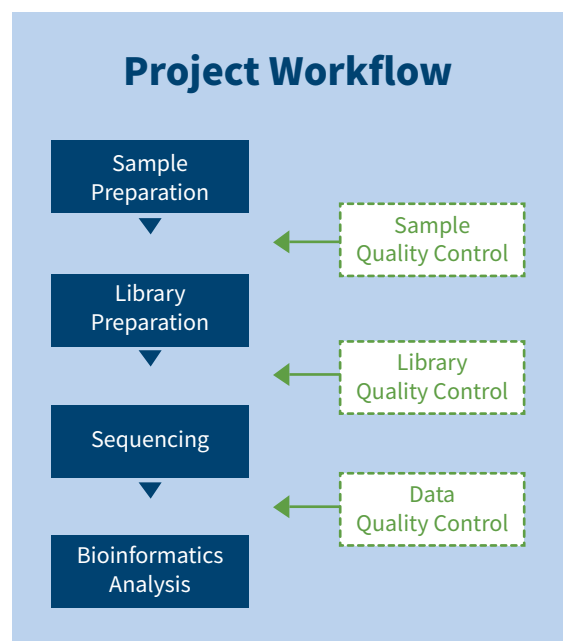
We provide high-quality sequencing (with a Q30 score  $\geq$  85%), an efficient standard workflow, fast turnaround time, and cost-effective bioinformatics analysis.



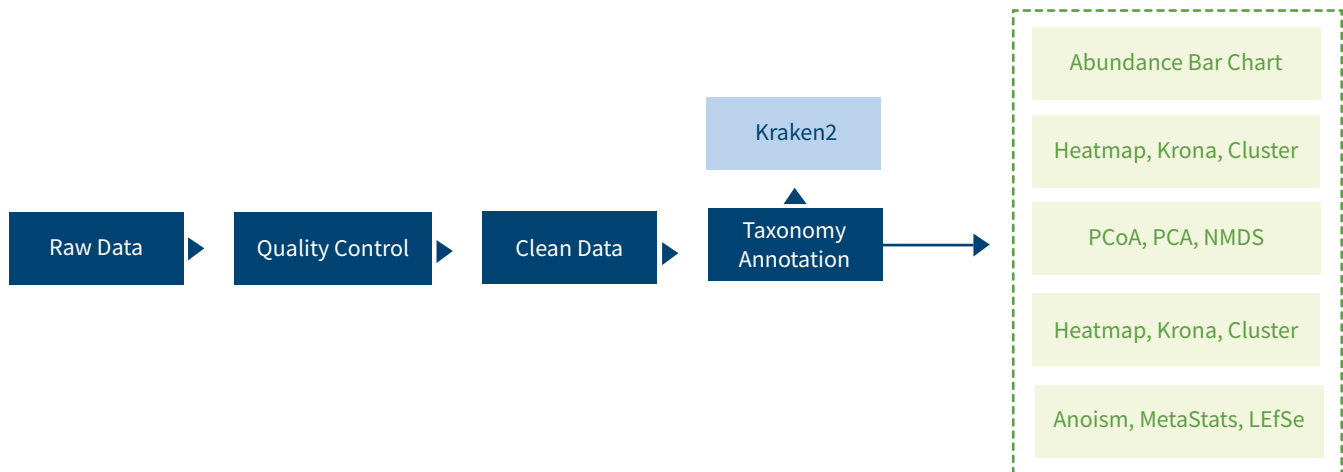
#### Real-time Project Management

Our Customer Service System (CSS) online platform allows for real-time project tracking 24/7, collaboration with your team and other helpful information.

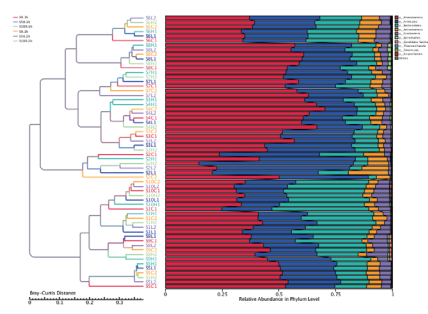
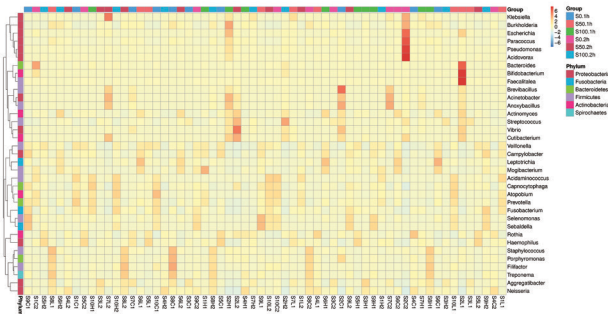
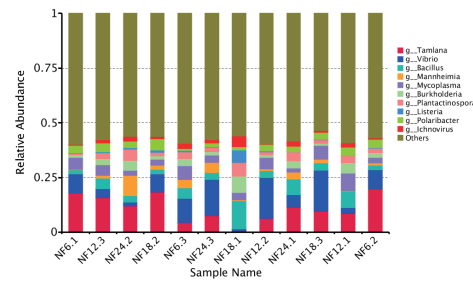
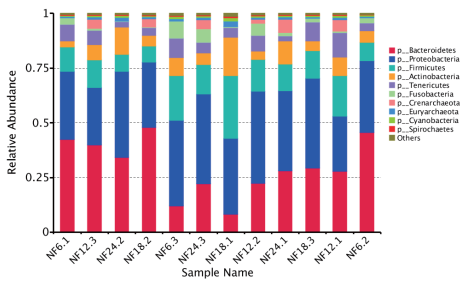
### Project Workflow



# Standard Analysis Pipeline



## Examples of Analysis Content



## Sample Requirements

Sample Type	Amount	Volume	Concentration	Purity
Genomic DNA	≥ 200 ng	≥ 20 µL	≥ 10 ng / µL	OD260/280 = 1.8-2.0 No degradation, no contamination, no color

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Please contact your Novogene representative.

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