

# 16S rRNA & ITS Gene Sequencing



Amplicon sequencing targeting the 16S ribosomal RNA (rRNA) gene or the internal transcribed spacer (ITS) region are the predominant marker gene-based approaches for profiling bacteria/archaea and fungi in complex samples, respectively.

## 16s rRNA Sequencing

Bacteria & Archaea

Determines the type and relative abundance of bacterial and archaeal species across heterogeneous samples.

### Region Coverage

**V3-V4** 341F-806R   **V3-V5** 515F-939R   **V4** 515F-806R   **Customizable\*** *\*Inquire for more details*

**V1-V9**

## ITS Sequencing

Fungi

Targeting ITS1 and ITS2 regions means species-level resolution for a broad range of fungal taxa with high sensitivity and low bias.

### Region Coverage

**ITS1**   **ITS2**

## Advantages of Working with Admera Health

- Fast turnaround time**  
10-15 business days (expedited available)
- Flexible region coverage**  
V1-V9, V3-V4, V3-V5, V4, & custom coverage available
- US operations**  
All operations and data stay on US soil
- End-to-end bioinformatics**  
From raw FASTQ to diversity analysis, taxonomic charts, and custom pipelines
- Dedicated 1:1 support**  
A dedicated scientist work with you through to the end
- Data you can trust**  
CAP/CLIA/CLEP environment

## Diverse Research Applications

- 16s - bacteria & archae
- ITS - fungi



### Human & animal

- Infectious disease & pathogen ID
- AMR surveillance
- Fungal infections & mycobiome



### Plant & agricultural

- Crop health & disease
- Root & soil interactions
- Fungal pathogen detection
- Mycorrhizal communities



### Environmental

- Soil, aquatic & wastewater ecosystems
- Fungal ecology & nutrient cycling



### Industrial

- Bioreactor & production QC
- Fermentation & food safety



### Contact Us

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