

# Resource Summary Report

Generated by ASWG on Aug 4, 2026

## Hypothesis Testing and Power Calculations for Comparing Metagenomic Samples from HMP

RRID:SCR\_014612

Type: Tool

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### Proper Citation

Hypothesis Testing and Power Calculations for Comparing Metagenomic Samples from HMP (RRID:SCR\_014612)

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### Resource Information

**URL:** <https://cran.r-project.org/web/packages/HMP/index.html>

**Proper Citation:** Hypothesis Testing and Power Calculations for Comparing Metagenomic Samples from HMP (RRID:SCR\_014612)

**Description:** An R-package which uses Dirichlet-Multinomial distribution to perform formal hypothesis testing on the species abundance distribution of human microbiome data, and to calculate power and sample size requirements for human microbiome experiments.

**Resource Type:** software resource

**Keywords:** microbiome, r, hypothesis testing, human microbiome, dirichlet multinomial distribution

**Resource Name:** Hypothesis Testing and Power Calculations for Comparing Metagenomic Samples from HMP

**Resource ID:** SCR\_014612

**License:** Apache License

**Record Creation Time:** 20220129T080321+0000

**Record Last Update:** 20260801T190505+0000

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### Ratings and Alerts

No rating or validation information has been found for Hypothesis Testing and Power Calculations for Comparing Metagenomic Samples from HMP.

No alerts have been found for Hypothesis Testing and Power Calculations for Comparing Metagenomic Samples from HMP.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.