



Australia's  
Global  
University

# GENOMIC SERVICES

## Microbial & Metagenomic Analysis

## Delivering internationally competitive genomic services of the highest quality

The Ramaciotti Centre delivers a broad range of services for the analysis of microbes or microbial communities. We provide tailored solutions from profiling of microbial communities to creating gold standard reference genomes for individual microbes.

### Microbial Profiling

#### Amplicon Sequencing – 16S, 18S, ITS

Targeted sequencing of 16S/18S/ITS genes utilising short-read sequencing allows for the identification, classification and quantitation of microbes within a complex biological sample. We offer pre-optimised, custom and full length/long read amplicon services.

#### Microbiome Array

The Axiom Microbiome Array offers a single assay solution for detecting of over 11,000 organisms across the five domains: archaea, bacteria, fungi, protozoa, and viruses. The array delivers species and strain level detection.

### Metagenomics

We can comprehensively sequence and analyse all genetic material in your complex sample. Our wide portfolio of NGS sequencing technologies allows us to offer a cost effective solution for your project.

### Genome Sequencing

We deliver the genome sequencing services you need whether you require, high-throughput, cost effective, short read sequencing or long read sequencing for a high quality assembly.

### Technology

The Centre provides genomic services utilising:

- Illumina NovaSeq, NextSeq, MiSeq, iSeq
- PacBio Sequel
- Oxford Nanopore
- 10X Genomics Chromium system
- Axiom genotyping

### Committed to Quality

- All genomic analyses are carried out in our ISO/IEC 17025 accredited laboratories
- Initial quality control of your samples including a detailed QC report
- Quality control of final data to ensure that it meets or exceeds manufacturers specifications

### Why Use Ramaciotti?

- Access to expertise in experimental design
- Extensive experience in sample processing
- Guaranteed high quality data
- Cost competitive
- Bioinformatics support available

### Contact Us

Email: [ramaciotti@unsw.edu.au](mailto:ramaciotti@unsw.edu.au)

Tel: (02) 9385 1241

Visit our website for more information [ramaciotti.unsw.edu.au](http://ramaciotti.unsw.edu.au)



Ramaciotti Centre  
for Genomics

