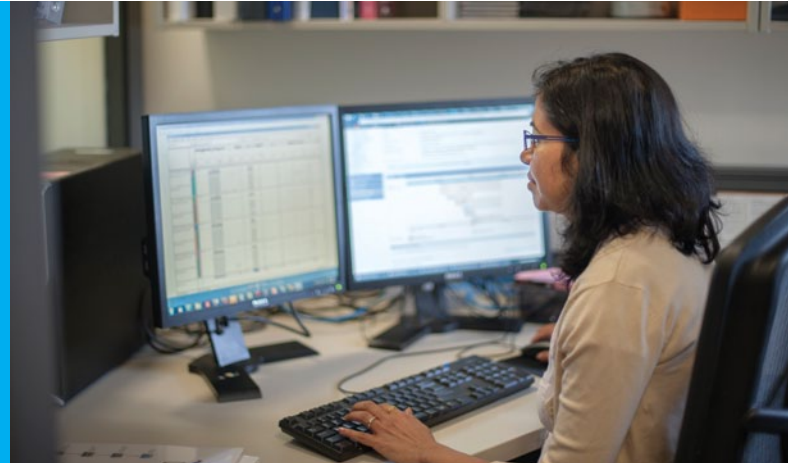


Bioinformatics is an important part of any sequencing project. If you lack in-house bioinformatics expertise or simply want a faster turnaround time on your analysis, we can help. Our validated bioinformatics services provide the analysis you need sooner. We provide assistance at any stage, from experimental design through to publication with stringent quality control at every stage.



Our Services

We have extensive experience with a broad range of technologies in both model and non-model organisms.

Expertise in next-generation sequencing

- DNA-Seq - whole genome, whole exome or targeted resequencing
- RNA-Seq - transcriptome assembly, allelic expression, isoform discovery, alternative splice variants, novel transcripts and gene fusions
- Small RNA analysis for the discovery and profiling of noncoding RNA, including microRNAs
- DNA-Protein interactions with ChIP-Seq
- Multilocus sequence typing (MLST)

Comprehensive methylation analysis

A broad portfolio of methylation analysis, from whole genome bisulfite sequencing to targeted (Methyl-Seq and HumanMethylation450 arrays) and single site (Sequenom and Pyrosequencing).

Extensive experience in metagenomics

- Diversity profiling with 16S, 18S and ITS targets
- Virus discovery

Genotype and structural variation analysis can be completed for the entire portfolio of Illumina BeadChips.

We also have expertise in standard bioinformatics techniques including analysis of microarray for gene expression, amplicon sequencing, primer design and microsatellite detection.

Our funding partners

AGRF is a not-for-profit organisation supported by the Commonwealth Government infrastructure schemes administered through Bioplatforms Australia.

These schemes include NCRIS, EIF, Super Science Initiative CRIS and NCRIS 2.