

Our validated bioinformatics services provide the analyses you need, sooner.



Our Services

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. We provide assistance at any stage, from experimental design through to publication, with stringent quality control at every stage.

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

Fast turnaround on low cost automated pipeline services

- DNA-Seq - variant identification on WGS, WES and targeted resequencing, and ISO:15189 accredited clinical genomics (for germline arrays, targeted panels, exomes and WGS)
- RNA-Seq - RNA profiling, differential gene expression, small RNA discovery, allelic expression analysis, isoform discovery, alternative splice variants, novel transcripts and gene fusions
- Microbial Profiling - with 16S, 18S and ITS targets
- Genotyping – Genotyping by Sequencing, microarray, illumina arrays and microsatellite detection

Extensive experience with custom analyses

All of our custom contracts receive thorough data exploration and quality control. Our experienced bioinformaticians will

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.

supply a tailored analysis to meet your project goals. Data is summarised to the most important features and documented in a detailed and reproducible report. Custom analysis options include:

- Metagenomics analysis
- Genome and transcriptome assembly and annotation
- CRISPR target checking
- Methylation (arrays, targeted and whole-genome bisulfite sequencing, long read sequencing)
- Structural variant calling of WGS data
- Population genetics
- Multilocus sequence typing (MLST)
- ChIP-Seq
- Cancer studies: SNP, Indel and CNV detection, tumour purity, structural variant detection

Bioinformatics consultation service

We can provide a dedicated bioinformatician to work on your project for a fixed time period, eg. 3 months. Benefits include:

- Flexible budget for a project grant
- Ease of hiring an experienced bioinformatician
- Ability to access AGRF internal infrastructure support