

Massey Genome Service - Next Generation Sequencing Service

Scoping Service

Massey Genome Service (MGS) offers scoping to custom design a client's project, to suit the clients' specific needs. For projects requiring bioinformatics analysis, Dave Wheeler offers 1 hour of scoping time at no charge.

Sample & Library Quality Control Service

MGS can provide quantification of genomic DNA, amplicons, total RNA/mRNA samples and libraries using Qubit® fluorometer instrument, and quality checking using PerkinElmer GX Touch LabChip® HT instrument. MGS also offers Quality Control (QC) for client prepared libraries.

Library Preparation Service

MGS can prepare all standard library types, including:

- Whole Genomic Sequencing
- Whole Metagenomic Sequencing
- 16S V3-V4 rRNA Amplicon Sequencing
- Custom Amplicon Sequencing
- Transcriptome (mRNA Sequencing)
- Total RNA Sequencing
- Targeted Re-sequencing

Sequencing Service

MGS offers sequencing using the Illumina MiSeq™ Instruments.

Bioinformatics Service

MGS provides data QC for all Illumina MiSeq™ runs, ensuring quality standards are reached before the data is delivered to our clients. For projects requiring bioinformatics analysis, Dr Dave Wheeler offers a range of services, including RNA-sequencing, SNP calling, genome assembly, microbial diversity, as well as bioinformatics consultation, at competitive prices. His service specialises in non-model systems and custom solutions that help solve your bioinformatics requirements. One hour of free bioinformatics consultation is available with each new project and he is involved in discussions with MGS regarding sequencing strategies for each project. More details can be found at www.ngbs.co.nz or via office@ngbs.co.nz.

For all enquiries, please contact: mgs-manager@massey.ac.nz | 06 951 9080