NEXT-GENERATION SEQUENCING SERVICE

AT THE HAWKESBURY INSTITUTE FOR THE ENVIRONMENT

OUR PROFESSIONAL TEAM:

» Has broad expertise in the field of NGS technology as well as a strong customer orientation
» Aims to advance its knowledge and practical skills by attending NGS-related training
» Has the right attitude to ensure a high level of customer satisfaction

CONTACT DETAILS:

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NEXT-GENERATION SEQUENCING SERVICE

**ROCHE GS JUNIOR**

- Improved shotgun protocol resulting in a 50% increase in sequencing data (150,000 PF reads)
- Full service for your environmental amplicon projects (bacterial, fungal and archaeal) including amplicon preparation, emulsion PCR and sequencing

**OUR SERVICE INCLUDES:**

- Initial Quality Control (QC) of your samples including a detailed QC report (Nanodrop, PicoGreen/RiboGreen, gel documentation, Bioanalyser traces)
- Quality Control of your enriched libraries including the Bioanalyser traces
- Quality scores of your sequencing data including lane statistics

**ADVANTAGES OF OUR NGS SERVICE**

- Illumina Certified Service Provider (CSPro) targets delivery of the highest quality data with proven customer service excellence
- The newest Illumina HiSeq 1500 allowing faster sample turnover (only 27 hours for paired-end 2x100 bp run) and read lengths up to 150 bp

**HIGHLIGHTS OF OUR SERVICE**

- Comprehensive support through the whole next-gen project including initial consulting service
- Proven excellence in customer service with many satisfied customers from leading academic institutions and industry
- Guaranteed high level of personalised service

**ILLUMINA HISEQ 1500**

- Improved multiplex TruSeq Genomic and ChIP-Seq sample with reduced PCR cycles
- Paired-end directional RNA-Seq including DNase treatment and rRNA-depletion
- Mate-pair with insert size of 10kb for easier de novo assembly

**A BROAD RANGE OF NGS APPLICATIONS**

- De novo sequencing and resequencing using Illumina TruSeq chemistry
- Modified Illumina TruSeq protocol for low DNA input (as little as 30ng)
- Targeted resequencing (Illumina, Agilent and Roche)
- Standard Illumina TruSeq mRNA-Seq using polyA selection
- Paired-end strand specific RNA-Seq using Epicentre RNA-Script kit
- rRNA removal using Epicentre Ribo-Zero and Ribo-Zero Gold
- New TruSeq multiplex ChIP-Seq, nucleosome DNA sequencing and MBD-seq (methylated DNA binding domain sequencing)