

## NEXT GENERATION SEQUENCING

Our commitment to service delivery provides:

1. **Validated testing** - our platform is the first in Australia ready to accept samples TODAY.
2. **Competitive pricing** - contact us for introductory pricing
3. **Quality data** - including more data per sample
4. **Excellent client service** - dedicated team ready to answer your questions.



## LET US FOCUS ON QUALITY WHILE YOU FOCUS ON RESULTS

Sequencing with AGRF and the NovaSeq 6000 gives you the freedom to *focus on your results*.

- built on proven Illumina SBS (Sequencing by Synthesis) and Patterned Flow-Cell Technology.
- highest output and throughput of any Illumina platform i.e. produces more data, faster.
- flexibility to meet the requirements of wide range of applications including RNA-seq and WGS.
- opens up access to WGS for genomics research of any species, including human, livestock and plant.

### Illumina NovaSeq 6000 (S2)

Read length	50 cycle PE	100 cycle PE	150 cycle PE
Unit	flow cell	flow cell	flow cell
Range of yield (clusters)	2.8 - 3.3 billion	2.8 - 3.3 billion	2.8 - 3.3 billion
Range of yield (reads)	5.6 - 6.6 billion	5.6 - 6.6 billion	5.6 - 6.6 billion
Output Giga bases (up to)	333 Gb	667 Gb	1000 Gb
Indexing Options	Up to 96	Up to 96	Up to 96

PE = paired end reads

Validated by AGRF : TruSeq Stranded mRNAseq, TruSeq Stranded total RNA (w/ RiboZero), TruSeq Nano DNA Sample Prep (350 or 450 insert), TruSeq PCR Free Sample Prep (350 or 450 insert), Agilent SureSelect XT Exon

Coming Soon: TruSeq DNA Methylation (whole genome bisulfite sequencing)

Other Illumina libraries are "compatible" with the NovaSeq however are yet to be assessed

Currently accepting submissions of 96 samples only. Limited spaces available.