

GENOMICS AND TRANSCRIPTOMICS SERVICES

and capabilities available at DIPLOMICS partner labs

GENOMICS	ARC BTP	CenGen	CPGR	SAIAB AGRP	SAMRC SGP	SU CERI	SU CAF	UFS NGS	UKZN KRISP	UPGL	UWC IMBM
Whole Genome Sequencing - microbes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Whole Genome Sequencing - eukaryotes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Whole Genome Sequencing - human			✓		✓	✓	✓				
Exome Sequencing - human			✓		✓	✓	✓		✓		
Targeted Re-Sequencing	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Single Cell Sequencing											✓
16S / ITS microbiome sequencing	✓		✓	✓		✓	✓	✓	✓	✓	✓
Shotgun Metagenomics sequencing	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
SNP Genotyping - Whole Genome or Targeted Arrays	✓		✓								
SNP Genotyping - Targeted using qPCR or KASP	✓	✓	✓								
Sanger/Capillary Analysis - Amplicon Sequencing				✓			✓		✓		
Sanger/Capillary Analysis - Fragment analysis		✓		✓			✓		✓		
Pathogen Diagnostics - qPCR	✓	✓	✓						✓		

TRANSCRIPTOMICS	ARC BTP	CenGen	CPGR	SAIAB AGRP	SAMRC (SGP)	CERI	CAF	UFS NGS	KRISP	UPGL	UWC IMBM
Full Transcriptome Sequence (RNA-Seq)	✓		✓		✓	✓	✓				
mRNA-Seq	✓		✓	✓	✓	✓	✓		✓	✓	✓
MicroRNA-Seq	✓		✓		✓	✓	✓				
Single Cell Transcriptomics			✓								✓
Targeted Gene Expression - arrays			✓								
Targeted Gene Expression - qPCR	✓	✓	✓								

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