

Prokaryotic RNA Sequencing Solution



Prokaryotic RNA sequencing uses next generation sequencing (NGS) to reveal the presence and quantity of RNA at a given moment, by analyzing the changing cellular transcriptome. Novogene's prokaryotic RNA sequencing, specifically aims at prokaryotes with reference genomes, providing you with transcriptome profiling, gene structure analysis, etc. It has been widely applied to basic science research, drug research and development, and more.

The Novogene Advantage



Extensive experience with more than 200,000 samples successfully sequenced

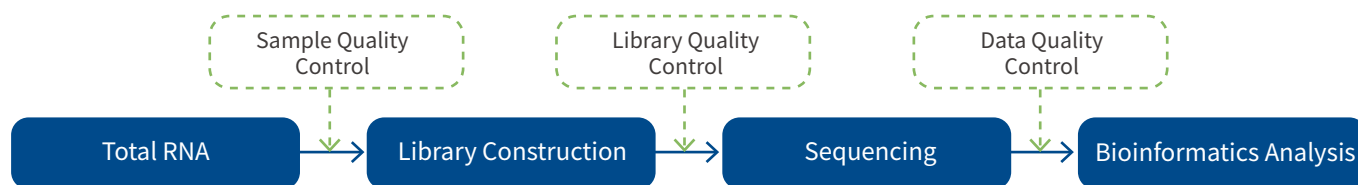


Unsurpassed data quality with a guaranteed Q30 $\geq 80\%$, exceeding Illumina's official benchmark



Free in-house software to visualize data flexibly per project needs

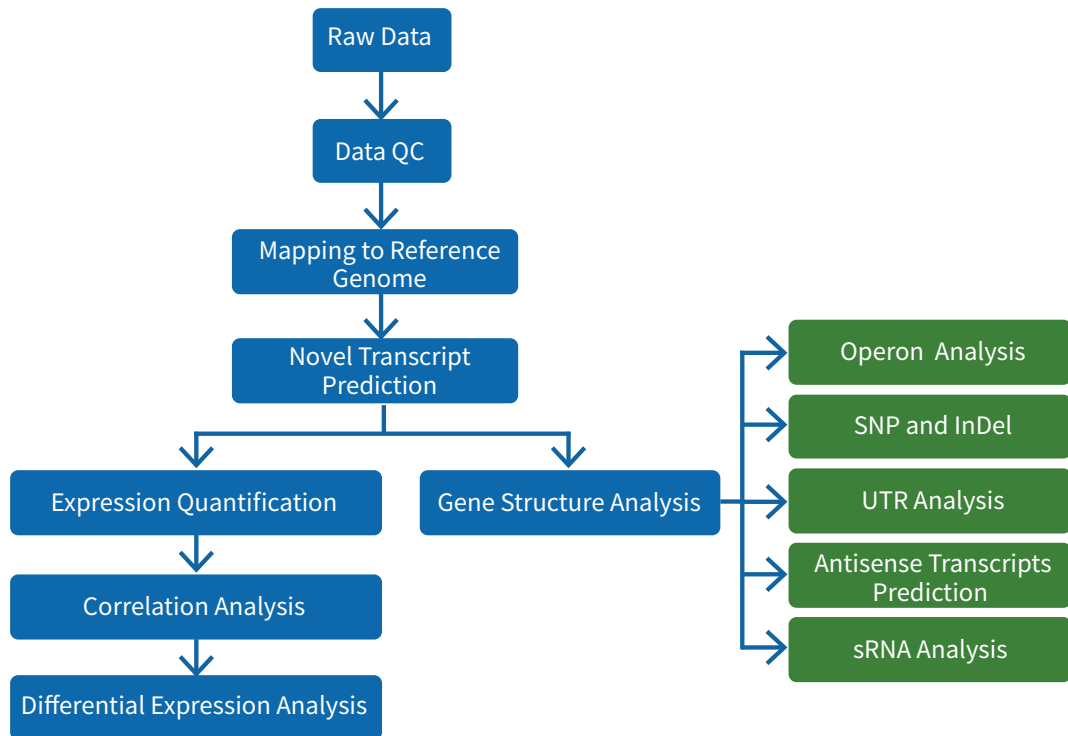
Project Workflow



Service Highlights

- **Sequencing Strategy:**
NovaSeq 6000 platform, paired-end 150 bp, 250-300 bp insert cDNA library, 2 Gb raw data/sample
- **Turnaround Time:**
11 working days after verification of sample quality without data analysis (depending on sample size)
- **Data Analysis:**
Standard analysis and customized analysis, assisting you to realize your research objectives easily and cost-effectively

Analysis Pipeline



Note: The standard analysis pipeline above is for a species with a reference genome, and if you work on a species without a reference genome, please consult us for solutions.

Novogene Powered Publications

Year	Journal	Title
2019	<i>Metabolic Engineering</i>	Direct production of commodity chemicals from lignocellulose using <i>Myceliophthora thermophila</i>
2019	<i>Bioresource Technology</i>	Production of primary metabolites in <i>Microcystis aeruginosa</i> in regulation of nitrogen limitation
2019	<i>Ecotoxicology and Environmental Safety</i>	Effects of nitrogen nutrients on the volatile organic compound emissions from <i>Microcystis aeruginosa</i>
2018	<i>Bioresource Technology</i>	Transcriptional analysis of <i>Myceliophthora thermophila</i> on soluble starch and role of regulator AmyR on polysaccharide degradation
2018	<i>Molecular Plant Pathology</i>	Competitive control of endoglucanase gene <i>engXCA</i> expression in the plant pathogen <i>Xanthomonas campestris</i> by the global transcriptional regulators HpaR1 and Clp

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