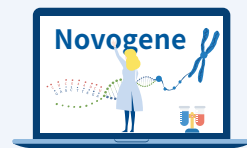


Eukaryotic mRNA Sequencing for Medical Species

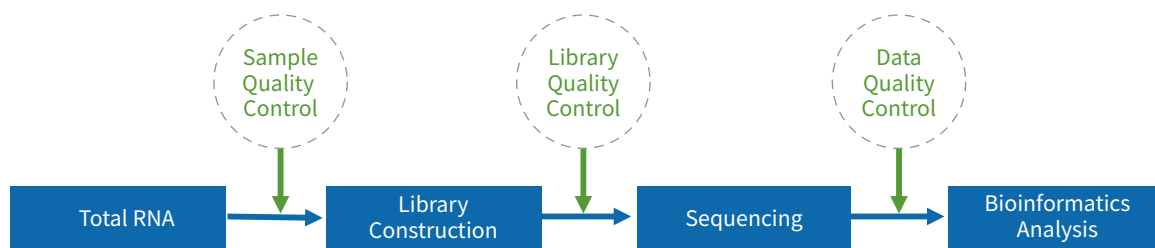
Eukaryotic mRNA sequencing of medical species is a unique service that targets human and mouse species (*Homo Sapiens* and *Mus Musculus*) to provide precise gene expression profiles among samples for disease research, drug response research, pharmacokinetics, and more. This specialized Novogene service also provides multiple analysis options, i.e. quantification analysis, standard analysis, and advanced PDX analysis, making it an affordable alternative in the research of gene expression, gene structure and function, and more.

The Novogene Advantage

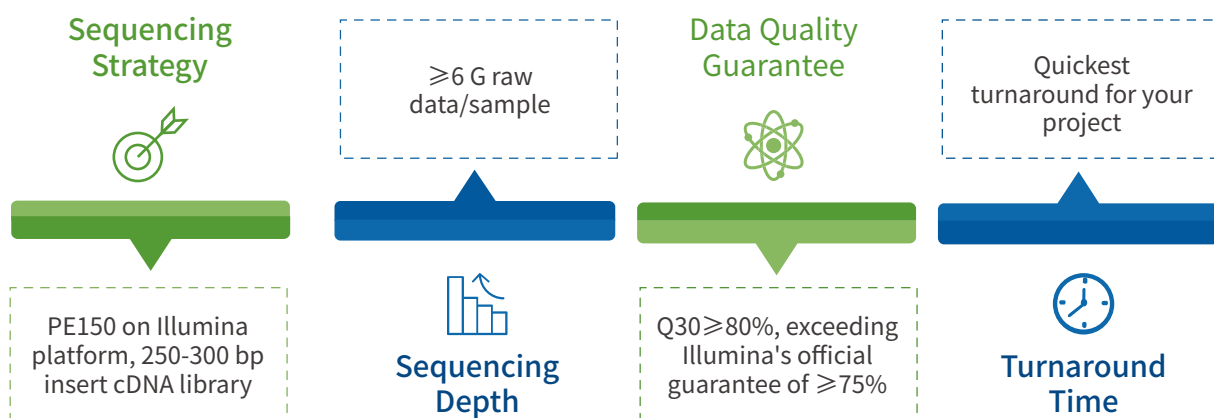
- ✓ Extensive experience with 200, 000+ samples sequenced
- ✓ Industry leading data quality exceeding Illumina benchmarks
- ✓ Free in-house software to visualize data flexibly per project needs



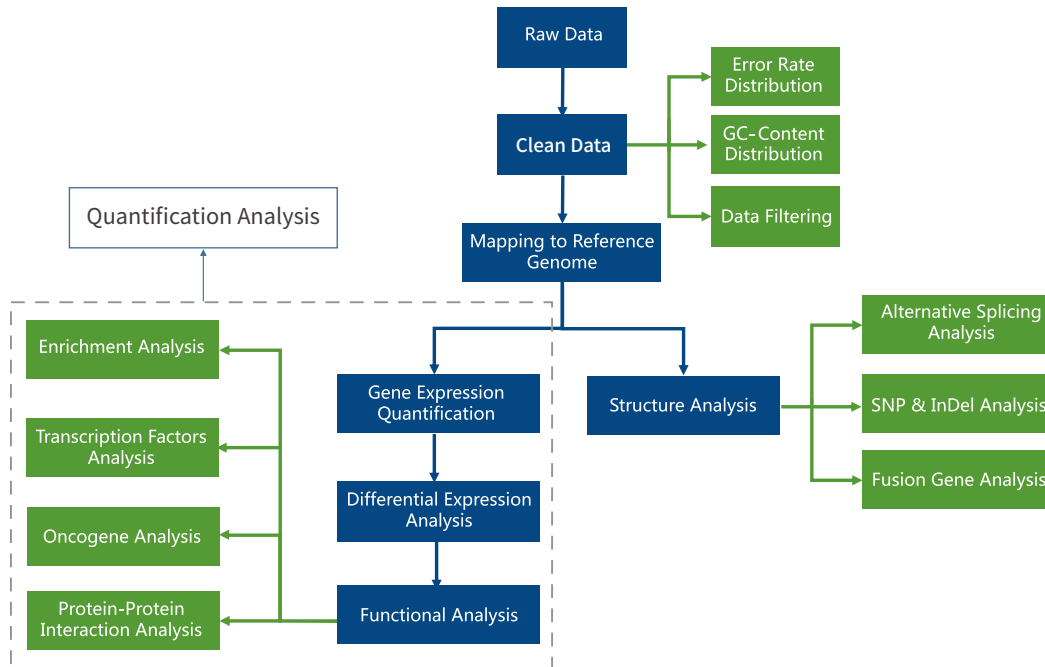
Project Workflow



Service Highlights



Analysis Pipeline



Novogene Powered Publications

Year	Journal	Title
2019	<i>Cell Host & Microbe</i>	Drosophila histone demethylase KDM5 regulates social behavior through immune control and gut microbiota maintenance
2019	<i>Nature communications</i>	Hematopoietic PBX-interacting protein mediates cartilage degeneration during the pathogenesis of osteoarthritis
2019	<i>Nature Communications</i>	Therapeutic role of miR-19a/19b in cardiac regeneration and protection from myocardial infarction
2019	<i>Science Advances</i>	The prostate cancer risk variant rs55958994 regulates multiple gene expression through extreme long-range chromatin interaction to control tumor progression
2019	<i>New Phytologist</i>	Diacylglycerol kinase and associated lipid mediators modulate rice root architecture
2019	<i>Environmental Science & Technology</i>	Study of the persistence of the phytotoxicity induced by graphene oxide quantum dots and of the specific molecular mechanisms by integrating omics and regular analyses
2018	<i>Nature communications</i>	Armadillo repeat containing 12 promotes neuroblastoma progression through interaction with retinoblastoma binding protein 4
2018	<i>cell</i>	Targeting epigenetic crosstalk as a therapeutic strategy for EZH2-aberrant solid tumors
2018	<i>Cancer research</i>	E6 protein expressed by high-risk HPV activates super-enhancers of the <i>EGFR</i> and <i>c-MET</i> oncogenes by destabilizing the histone demethylase KDM5C

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