

Lnc-RNA Sequencing

Product-Introduction

LncRNA is a kind of low-encoding potential RNA molecule that is comprised of longer than 200 nt. It is an important part of non-coding RNA. It is widely distributed in the nucleus or cytoplasm and has proven as a significant role in life activities. LncRNA sequencing is a powerful tool in Cell differentiation, Ontogenesis, and Human diseases.



Bioinformation List

- Transcript classification;
- Comparative analysis on lncRNA vs mRNA;
- Gene structure analysis;
- LncRNA and mRNA expression quantification;
- Differential expression analysis;
- Function annotation and enrichment on DEGs and DE-lncRNA;

- LncRNA target prediction;
- DE-lncRNA protein-protein interaction;
- Conservation analysis;
- Known lncRNA analysis
- miRNA precursor analysis;
- miRNA target prediction;

Service Advantages ·····

- Discover the lncRNA with significant regulatory functions and analyze its relationship with specific biological processes.
- Distudying the association between lncRNA and diseases provides new targets and strategies for diagnosing and treating diseases.
- > Comprehensive lncRNA analysis consists of lncRNA profiling, target prediction, and joint analysis with mRNA.
- High-quality service guaranteed by optimized experimental SOP with 5 strict quality control points across the entire workflow. After -sale services are valid for 3 months upon project completion.
- Discrete State Sta

Service Specifications ····

Library	Platform	Recommended data	Data QC	Time	
rRNA depletion	Illumina PE150	10 /16 Gb	Q30≥85%	30 days	

Sample Requirements

Amount	Purity	Integrity
Cono >100 ng/uL ·	00260/280-1725	For plants: RIN≥6.5;
Conc. $\geq 100 \text{ ng/}\mu\text{L}$,	0D200/280-1.7-2.5	For animals: RIN \geq 7.0;
Volume $\geq 10 \ \mu L;$	OD260/230=0.5-2.5	5 0>288/188>1 0
Total \ge 0.5 µg	Limited or no protein or DNA contamination shown on gel.	limited or no baseline elevation









Featured Publications

Year	Journal	Paper	Article	DOI
2023	Biomaterials	The nanoformula of zoledronic acid and calcium carbonate targets osteoclasts and reverses osteoporosis	Disease treatment	10.1016/j.biomaterials.2023.122059
2022	Cell Proliferation	TGF- β 1 regulates the lncRNA transcriptome of ovarian granulosa cells in a transcription activity-dependent manner	Epigenetic regulation	10.1111/cpr.13336
2022	International Journal of Molecular Sciences	Bidirectional lncRNA transfer between Cuscuta Parasites and their host plant	Host-parasite interaction	10.3390/ijms23010561

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