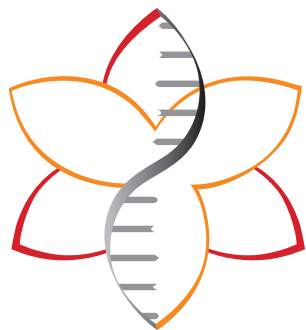


# End-to-End RNA Sequencing Service



**AMARYLLIS  
NUCLEICS**  
BETTER RNA SEQUENCING

Let us help you  
advance your research:  
[RNAseq@AmaryllisNucleics.com](mailto:RNAseq@AmaryllisNucleics.com)

## Experimental Design

We assist in creating a robust experimental design to ensure reproducibility and data integrity.

## mRNA Isolation

Send us your samples and we will isolate mRNA from tissues or total RNA. We will then perform rigorous RNA quality control prior to library synthesis.

## Strand-Specific Libraries

At the heart of our service is our improved library synthesis chemistry. Breath capture mRNA library synthesis yields 12X more stringent strand-specificity than Illumina ScriptSeq v2.

## High-Throughput Sequencing

We utilize superior contractors and in-house expertise to provide the fastest and most reliable sequencing.

## Read Preprocessing

Our preprocessing pipelines contain built-in quality assessment algorithms to ensure data integrity at each step of processing.

## Read Alignment

We align your reads for any model organism or work with you to create a reference for your organism.

## Differential Gene Expression

Since we have built-in quality controls and quality assurances at each step of the pipeline you can be confident about getting the most statistical significance out of your DE calls.

## Data Submission to SRA/GEO

Once you are ready to publish, just let us know and we will handle submission to NCBI's Short Read Archive and Gene Expression Omnibus.

## Commitment to Reproducibility

At Amaryllis Nucleics, we are staunch advocates of open-source science and reproducibility in research. As such, there are no 'black boxes' in the services we provide. The protocols and tools we employ in our pipeline are, themselves, peer-reviewed and open-source. This makes it easier for you to get your data published and ensures that the scientific community will be able to validate and build upon your results.

[AmaryllisNucleics.com](http://AmaryllisNucleics.com)