Case Study: The University Of Texas At Austin

Introduction

This case study of The University of Texas at Austin is based on a July 2013 survey of Ingenuity IPA customers by TechValidate, a 3rd-party research service.

> "IPA has deepened my understanding of a critical RNA helicase and its plethora of cellular connections to cancer. It has given to me a year's worth of knowledge in a weekend's time."

Challenges

- Solved the following challenges since deploying IPA for RNA sequencing analysis:
  - Improved precise measurement of transcripts
  - Can more clearly identify biologically relevant isoforms
- Purchased IPA for RNA sequencing analysis for the following reasons:
  - Interpret the impact of expression changes in the context of biological processes, disease and cellular phenotypes, and molecular interactions
  - Visualize their RNA seq data in context of Isoform View

Use Case

- Uses the following species in their RNA seq analysis:
  - Humans
- Uses the following upstream analysis packages to generate RNA-Seq expression values:
  - DESeq
  - Bioconductor

Results

- Rates the following IPA capabilities compared to the competition:
  - Faster time to insights: extremely differentiated
  - Ease of use: extremely differentiated
  - Novel insights: extremely differentiated
  - Deeper analysis: extremely differentiated
- Saved > 3 days per analysis with IPA for their RNA seq analysis.
- Is extremely satisfied with the value for identifying biologically relevant isoforms from RNA seq data using IPA.
- Increased the productivity of their bioinformatics staff for RNA seq analysis by > 10x with IPA.

Organization Profile

Organization:
The University of Texas at Austin

Industry:
Educational Institution

About Ingenuity IPA

QIAGEN offers industry-leading applications for the analysis, interpretation, and reporting of biological data.

Understanding raw data is one of the most significant challenges in modern molecular methods. Data must be examined within the context of complex biological processes, and rapidly increasing throughput makes analyses time and labor intensive. QIAGEN's portfolio of powerful tools addresses this bottleneck with innovative applications based on cutting-edge bioinformatics.

Learn More:

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Ingenuity IPA

Source: Jacob Grohman, Post Doctoral Researcher, The University of Texas at Austin

Research by TechValidate by SurveyMonkey

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