



Case Study: Academic Research Institution and Ingenuity Variant Analysis

Introduction

This case study of a educational institution is based on a March 2013 survey of Ingenuity Systems customers by TechValidate, a 3rd-party research service. The profiled organization asked to have their name blinded to protect their confidentiality.



“Through the use of Ingenuity we are now able to quickly and efficiently analyze our data and share the results with our collaborators.”

Challenges

- Solved the following challenges by deploying Ingenuity Variant Analysis:
 - Realized faster and easier identification of causal variants
 - Reduced the need for developing own informatics pipeline
 - Enabled support for more studies by providing a self-service tool for colleagues and collaborators
- Purchased Ingenuity Variant Analysis for the following reasons:
 - Reduce time to identify variants worth following up on
 - Identify high impact, most compelling variants to follow up on
 - Access user friendly interface and no bioinformatics experience needed
 - Collaborate and share easily with colleagues and peers

Use Case

- Uses the following applications with Ingenuity Variant Analysis:
 - DNA sequencing – Whole Exome
 - DNA sequencing – Targeted / Gene Panel
- Sequencing data is from the following platforms:
 - Illumina Genome Analyzer (GA) / HiSeq
 - Life Technologies SOLiD

Results

- Chose Ingenuity Systems over the following solutions:
 - In-house developed software
- Saves 1 to 3 days per sample using Ingenuity Variant Analysis for DNA variant annotation and analysis.
- Rated the following Ingenuity Variant Analysis capabilities in terms of how differentiated they are compared to other data analysis solutions:
 - Speed: 3 (differentiated)
 - Accessibility/ ease of use: 4 (very differentiated)
 - Sharing with colleagues/peers: 5 (strongly differentiated)
 - Security: 4 (very differentiated)
- Is satisfied with the ease of use of Ingenuity Variant Analysis.

Organization Profile

The organization featured in this case study asked to have its name publicly blinded because publicly endorsing vendors is against their policies.

TechValidate stands behind the authenticity of this data.

Industry:
Educational Institution

About Ingenuity Systems

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.

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