



Case Study: Large Private Cancer Center and Ingenuity Variant Analysis

Introduction

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



“From an operational standpoint, Ingenuity has made the analysis of shared samples by researchers of varying levels of expertise much easier.”

Challenges

- Solved the following challenges by deploying Ingenuity Variant Analysis:
 - Realized faster and easier identification of causal variants
 - Improved sharing and collaboration capabilities
- Purchased Ingenuity Variant Analysis for the following reasons:
 - Identify high impact, most compelling variants to follow up on
 - Access user friendly interface and no bioinformatics experience needed
 - Secure web application that is HIPAA and Safe Harbor compliant

Use Case

- Uses the following applications with Ingenuity Variant Analysis:
 - DNA sequencing – Whole Genome
 - DNA sequencing – Whole Exome
- Sequencing data is from the following platforms:
 - Illumina Genome Analyzer (GA) / HiSeq
 - Complete Genomics

Results

- Chose Ingenuity Systems over the following solutions:
 - In-house developed software
- Reduced time to results by > 75% by 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: 5 (strongly differentiated)
 - Accurate evidence: 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.

Company Profile

The company 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.

Company Size:
Large Enterprise

Industry:
Health Care

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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