

Data to Discovery: Simplified and Accelerated

Take your lab to the next level. | **STARInsight™** is a revolutionary cloud-based tool that makes genomic data analysis more powerful, more intuitive and more user-friendly. By combining curated reference data with user-supplied genomes and metadata, **STARInsight** simplifies cutting-edge tertiary analysis.

Maximum Statistical Power

STARInsight offers you access to some of the **largest genomic data sets** in the world – enabling you to significantly expand the statistical power of your research. Consisting of more than **160 million** unique sequence variants, **STARInsight's** knowledge base includes data from the International Cancer Genome Consortium's (ICGC) PanCancer Analysis of Whole Genomes study as well as the 1000 Genomes Project, the largest public catalog of human variation and genotype data.

Simplified Point-and-Click Cohorts

Instead of manually identifying, assembling and extracting data, you can use our **intuitive user interface** to browse relevant metadata and **rapidly create cohorts**.

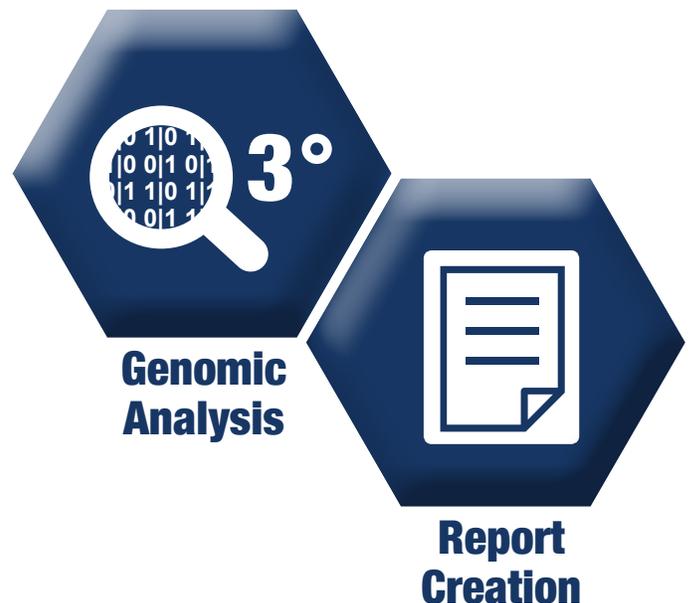
Smart Pre-Built Applications

Designed with ease-of-use in mind, **STARInsight** comes with pre-built applications that are **ready to use** when you need them. From genome browsing to extracting variants, **STARInsight's** basic analysis functions are simple to perform. Ideal for performing quality control or exploring new data sets, **STARInsight's** apps **run seamlessly** using the latest in **big data** technology.

Powerful and Versatile Notebook

STARInsight's integrated notebook feature allows you to quickly and easily perform custom analyses. The notebook **supports popular programs** written by others in various languages, such as R or Python – enabling you to **develop** your own **custom applications**.

The notebook feature provides **easy access** to the same **cohorts, filters** and **functions** available in pre-built applications. To enhance speed and scalability, **STARInsight's** notebooks take full advantage of our **high-performance infrastructure**.



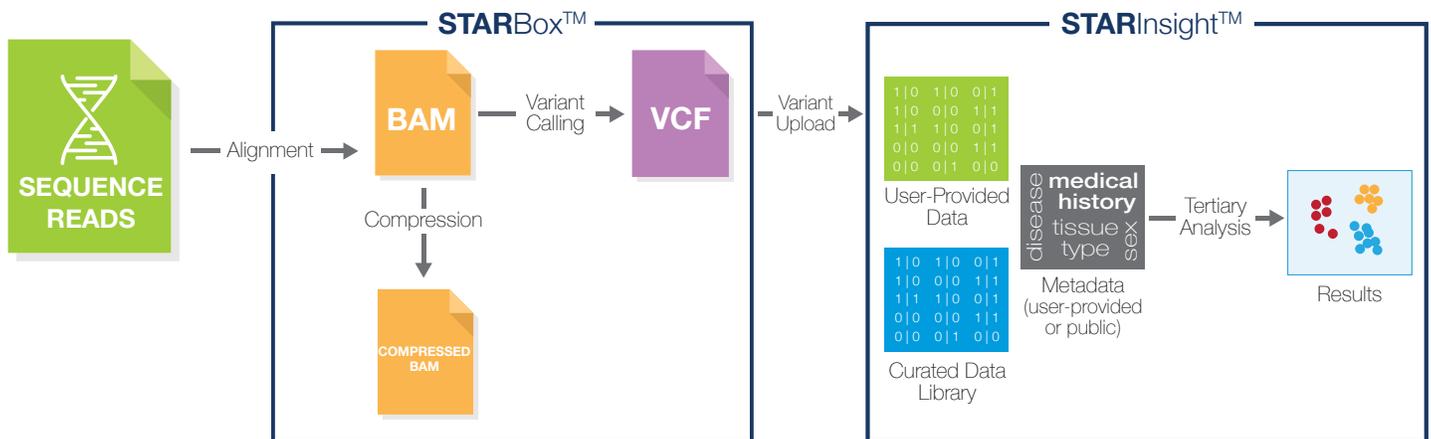
For more information about **STARInsight™**

www.annaisystems.com | 760.607.3300 | sales@annaisystems.com

A Hybrid Cloud Solution for Every Step After Sequencing

STARInsight is part of Annai Systems' **STARPlatform™**, a comprehensive solution specifically designed to handle the complexities of next-generation sequencing data in the clinical, pharmaceutical and research environments. Its capabilities and tools extend beyond genomic data management, offering a truly comprehensive solution that enables researchers and clinicians to innovate, collaborate and make new discoveries — all in less time and at a lower cost than traditional solutions.

STARPlatform™ | Secondary and Tertiary Analysis Reporting Platform



STARBox™ performs two distinct workflows on sequence reads: secondary analysis and compression. During secondary analysis, the system aligns the sequence reads, performs variant calling, and creates a VCF file. The aligned sequence reads are quickly compressed using Annai's industry-leading lossless technology. **STARBox** can send processed files to a repository of your choice.

STARInsight enables you to combine your own data with a curated collection of public reference data and annotations as well as run your own analysis from a user-friendly web-based interface.



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