

Variant Analysis

Work in Progress



This is under active development at the moment, it will implemented in next version 2.0.0

Analysis

There are several **native variant analysis** implemented in OpenCGA, these use internal the different internal APIs developed to provide a scalable and high-performance implementation. Occasionally, these analysis can store results in the variant storage to allow users to filter by them, for instance GWAS analysis can be stored and/or indexed for filtering.

The analysis available include:

- Basic statistics
 - [Variant stats](#)
 - [Sample stats](#)
 - Cohort stats
 - Family stats
- [Knockout](#)
- Population stratification (PCA)
- Identity-by-state (IBS)
- [Genome wide association studies \(GWAS\)](#)
- Family-based association analysis (TDT)

Knockout Analysis

PCA

Wrapper Analysis

You can use external tools using the wrapper analysis. Some tools are being implemented naively and available to all users.

- Plink
- rv-tests

Customisation

Users can easily extend and customise OpenCGA for their analysis.

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