# MSSNG Research Portal Features

Prepared by DNAstack December 2020 This presentation showcases the features of the MSSNG Research Portal, a project by Autism Speaks.

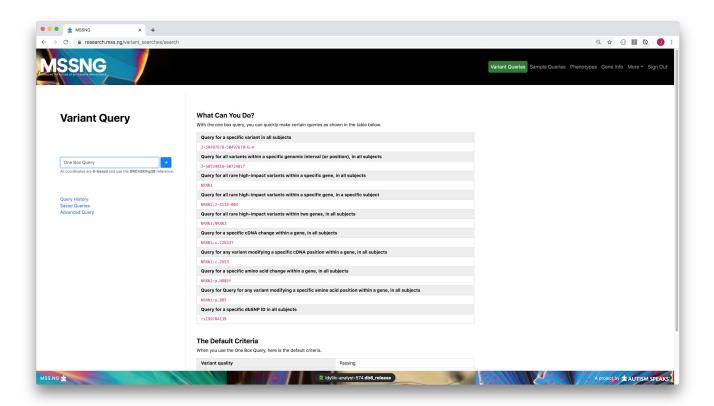
The MSSNG Research Portal is open source under the terms of the Apache License, version 2.0. The <u>source code is available on GitHub</u>.

We hope that this project will be useful beyond the MSSNG dataset, and that this presentation will help you to decide if it could be useful to your project.

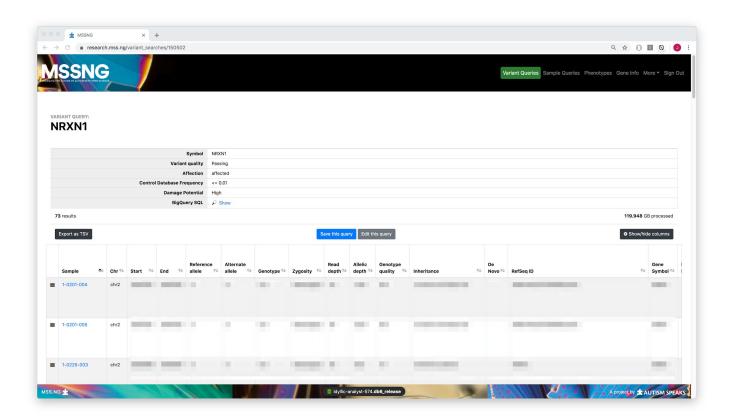
This presentation may be shared freely in its unaltered form.

### Variant Queries

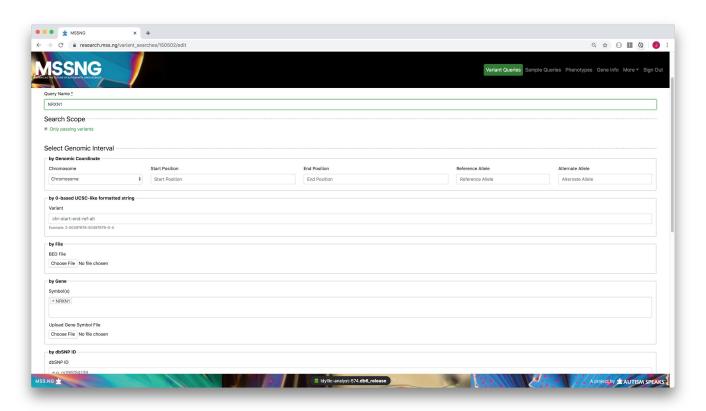
#### "One Box" Variant Search



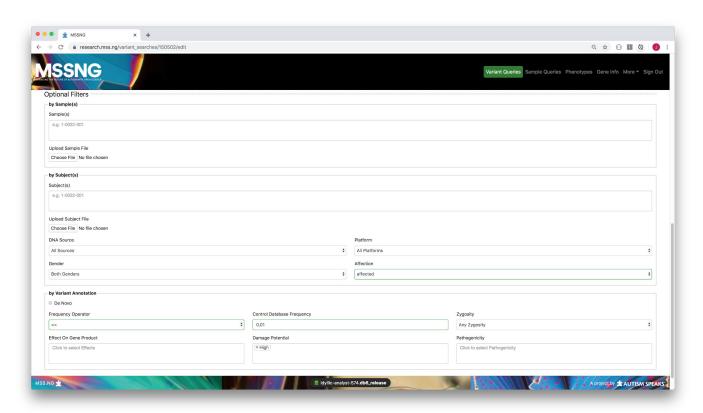
#### Variant Search Results



#### Advanced Variant Query Builder & Editor (1/2)

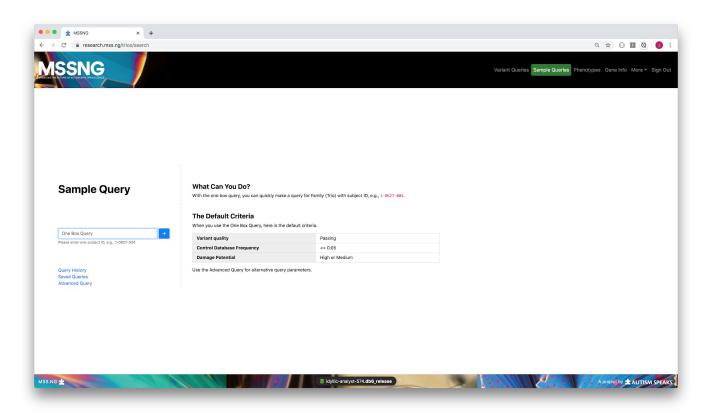


#### Advanced Variant Query Builder & Editor (2/2)

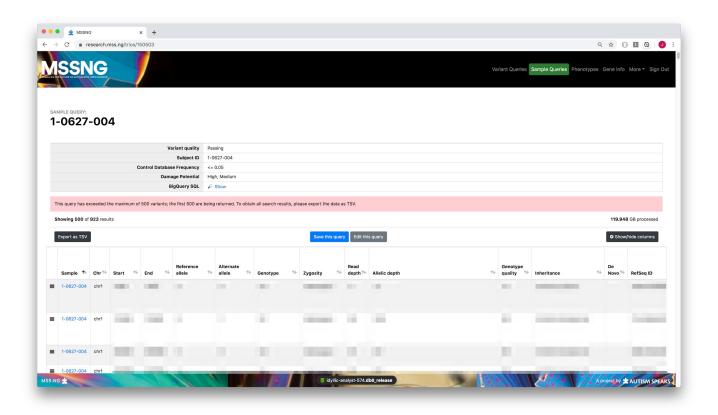


## Sample Queries

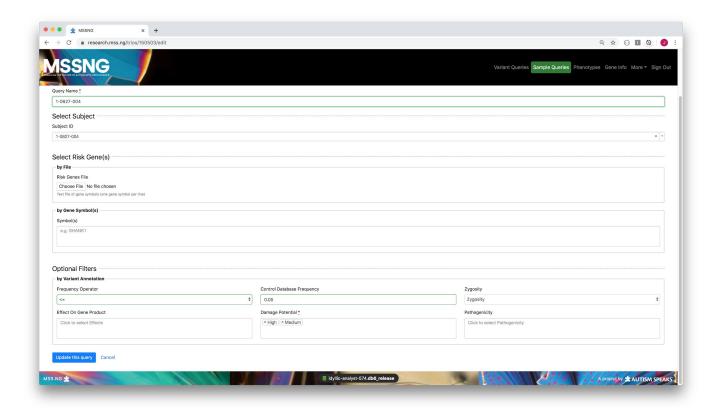
#### "One Box" Sample Query



#### Sample Query Results

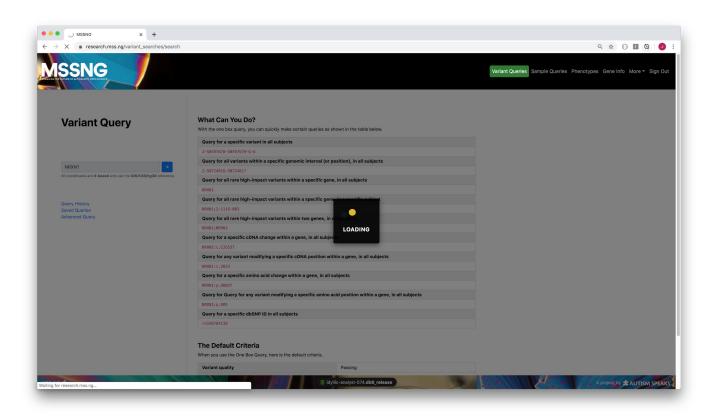


#### Advanced Sample Query Builder & Editor

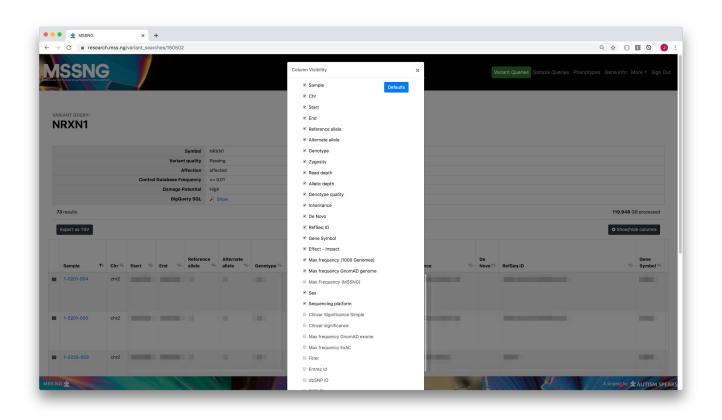


# Common to Variant Queries and Sample Queries

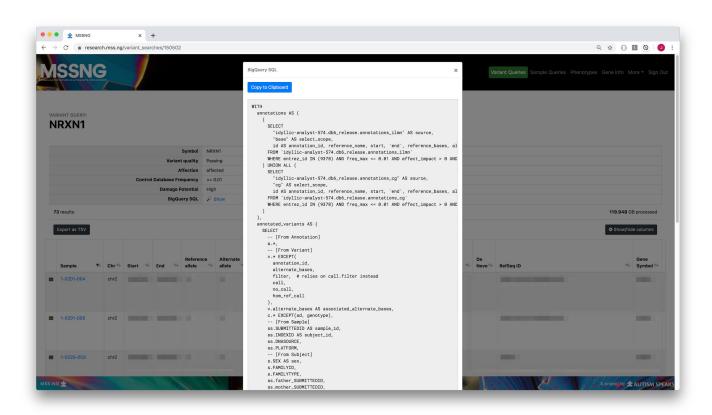
#### Animated Indicator While Query is Running



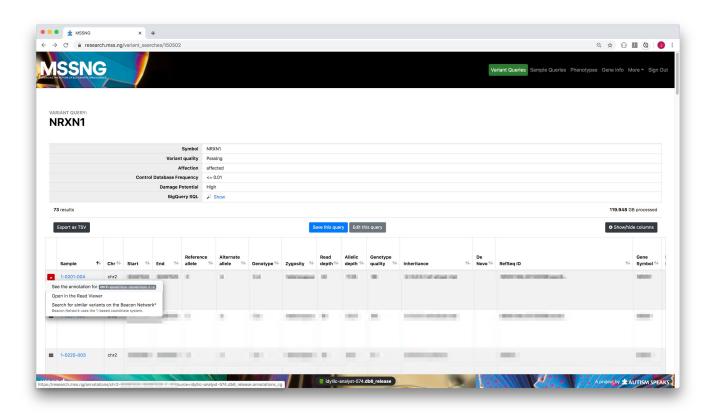
#### Choose Which Columns to Include in the Query



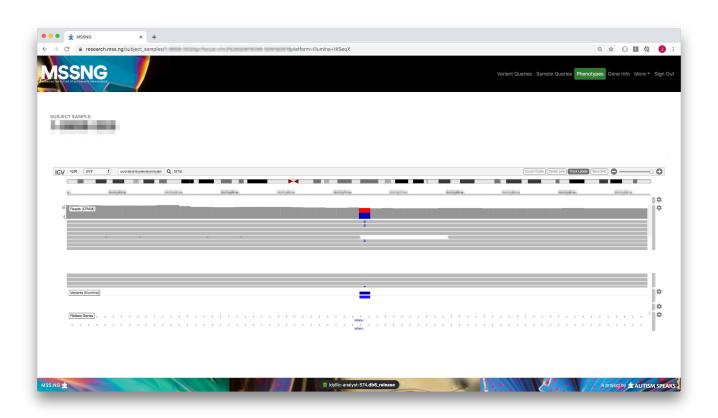
#### View/Copy Underlying BigQuery SQL Statement



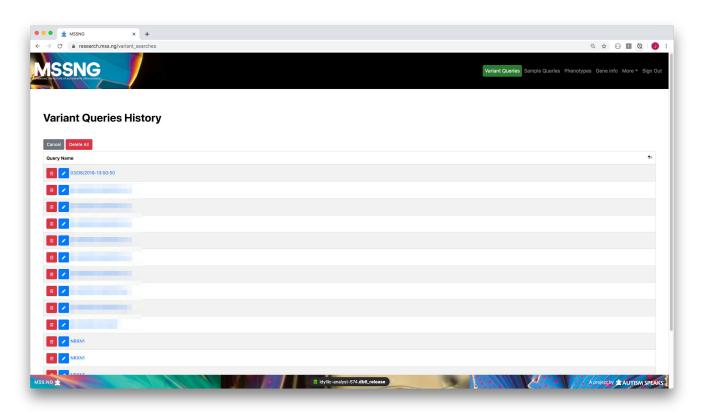
#### Jump to Related Resources for a Sample Variant



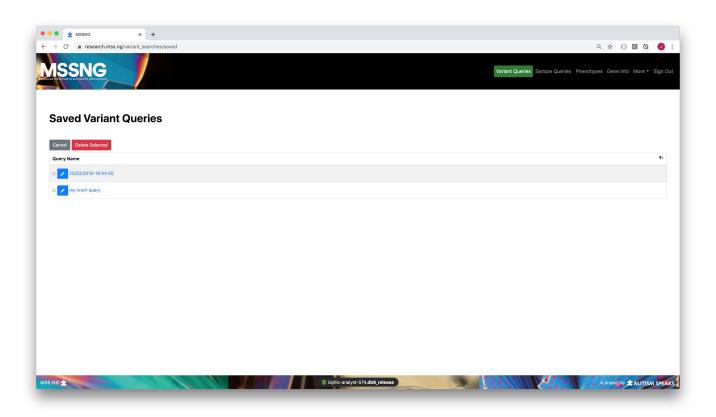
#### **IGV** Read Viewer



#### History of Past Queries

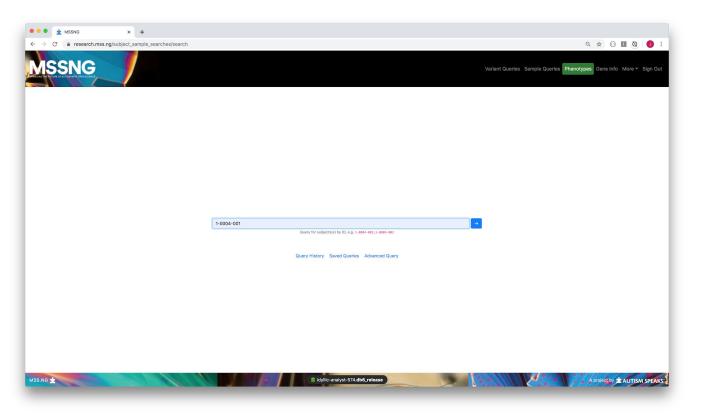


#### Saved Queries (separate from history)

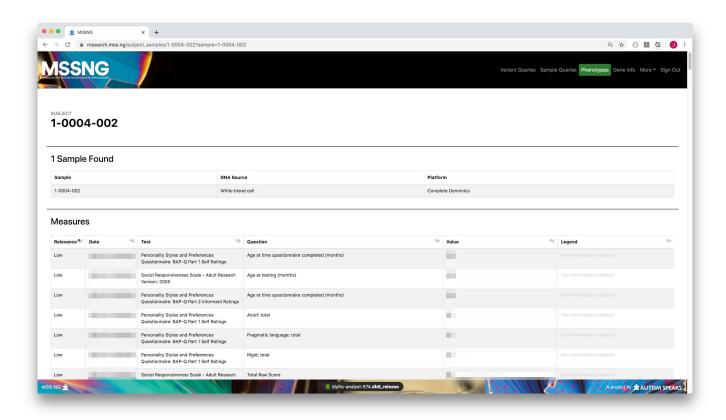


# Subject Phenotype Query

#### "One Box" Subject Query

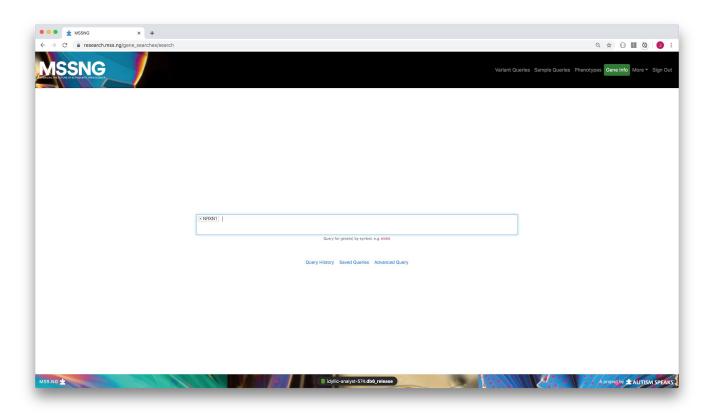


#### Sample Info and Subject Phenotypes

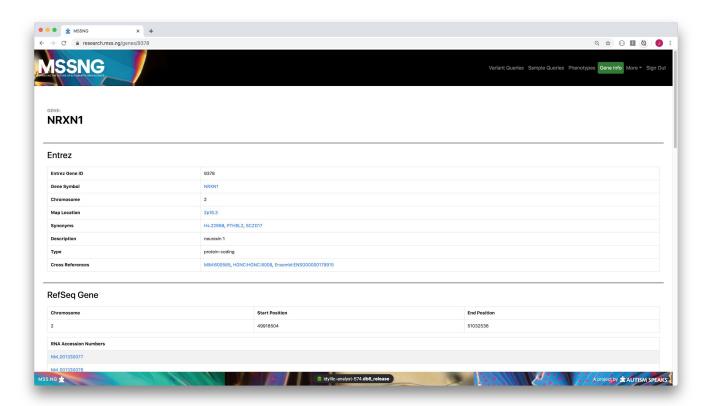


## Gene Info

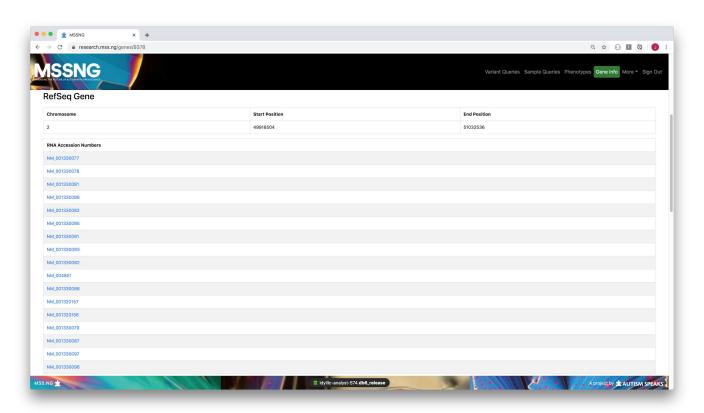
#### "One Box" Gene Info Query



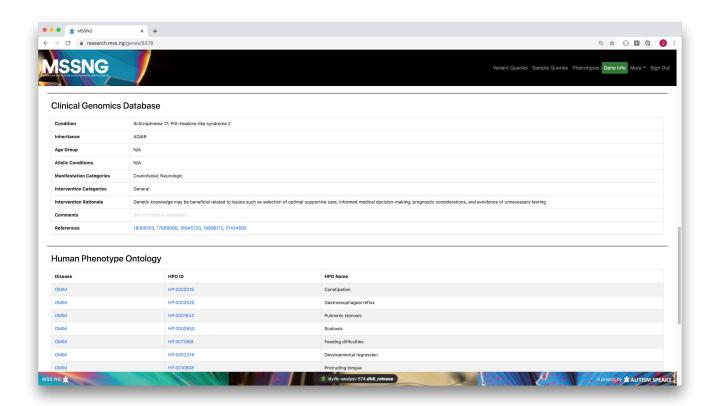
#### Gene Info (1/4)



#### Gene Info (2/4)



#### Gene Info (3/4)



#### Gene Info (4/4)

