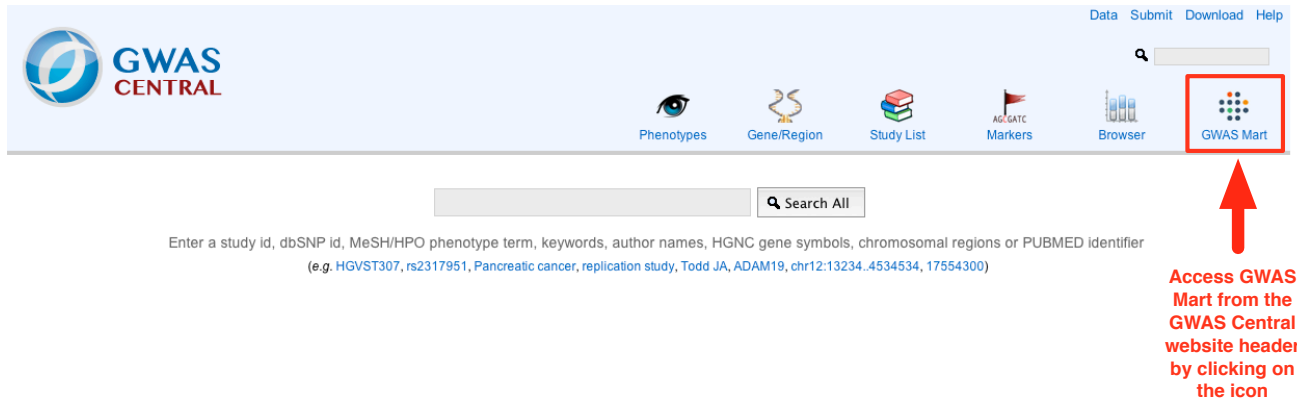


GWAS mart tutorial

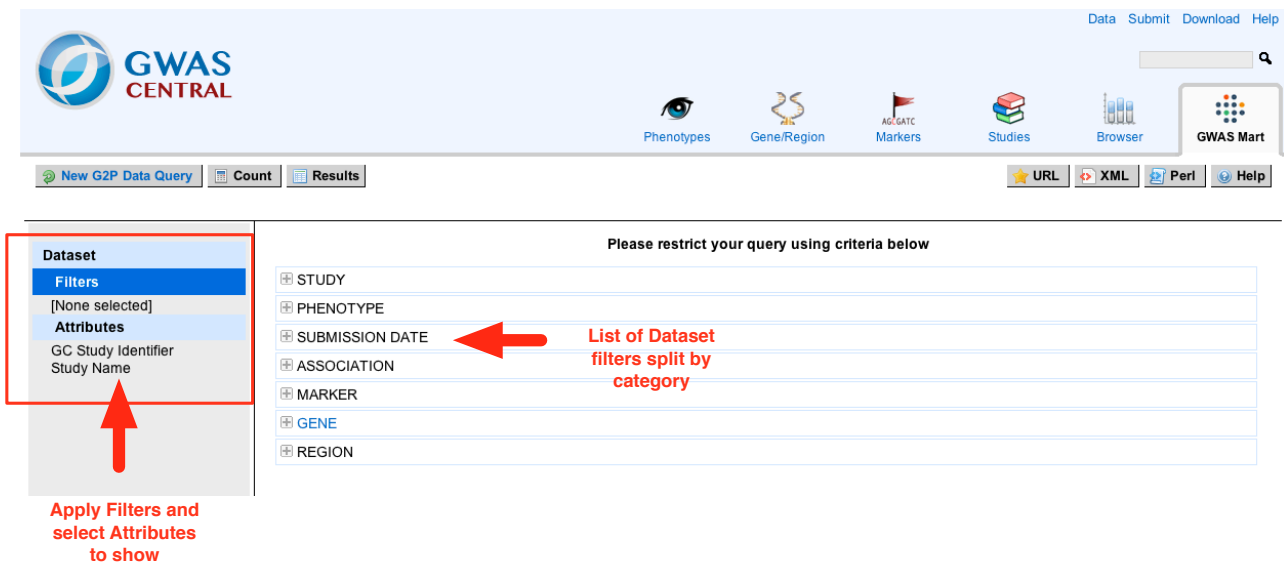
Step 1: Access Mart

To access GWAS Mart click on the GWAS Mart icon in the header of any page where you will be directed to the mart interface where filters and attributes can be selected and applied.



Step 2: Constructing your query

To access data from the GWAS mart filters and attributes need to be applied.



Step 3: Applying filters and constructing a query to get association data from a specific study

The study we want to get data from is HGVST51 and we only want to return association data that are $\geq -\log 7$. We apply the filters to the Study and the Association sections.

GWAS CENTRAL

Start a new G2P query

Click "Count" to get the number of results

Click "Results" to get the results of the query

Phenotypes GeneRegion Markers Studies Browser GWAS Mart

New G2P Data Query Count Results

URL XML Perl Help

Dataset 2 / 2,968 Entries

Filters

GC Study Identifier : [ID-list specified]
Greater or equal : -log >= 7

Attributes

GC Study Identifier
Study Name
GC Marker Identifier
Source Marker Accession
Chromosome
Marker Start
Marker Stop
p-value
-log p-value
Resultset
HGNC Gene Symbol
Gene Section

Please restrict your query using criteria below

STUDY

GC Study Identifier

HGVST51

Choose File No file chosen

Name

PHENOTYPE

SUBMISSION DATE

ASSOCIATION

Greater or equal

-log >= 7

Less or equal

-log >= 0

MARKER

GENE

REGION

Only return data from HGVST51

Return results with associations >= -log 7

Step 4: Selecting Attributes

Once the filters have been set we can select the attributes we would like to see in the results. Data can be selected from the Study part of the database or the association part of the database.

Please select columns to be included in the output and hit 'Results' when ready

STUDY ASSOCIATIONS

STUDY INFORMATION

Study Summary Select all Deselect all

GC Study Identifier

Study Name

Study Details Select all Deselect all

StudyAbstract

Objectives

Key Results

Conclusions

Background

Experiment Details Select all Deselect all

Experiment Title

Experiment Type

Number of Markers Tested

Experiment Objective

Experiment Outcome

Phenotype Details Select all Deselect all

Phenotype Annotation Identifier

Annotation Name

Annotation Origin

AUTHORS AND CITATIONS

Columns from the Study section of the database to be included in the outputs

Please select columns to be included in the output and hit 'Results' when ready

STUDY ASSOCIATIONS

STUDY INFORMATION

MARKER FEATURES

Summary Data Select all Deselect all

GC Marker Identifier Alleles
 Source Marker Accession Upstream 30bp
 Variation Type Downstream 30bp

Reference Map Data Select all Deselect all

Chromosome Marker Stop
 Marker Start

ASSOCIATION RESULTS

Association Data Select all Deselect all

p-value Resultset
 -log p-value

Gene Information Select all Deselect all

HGNC Gene Symbol Gene Section

Columns from the Associations section of the database to be included in the outputs

Step 5: View the Results

Once the filters and attributes have been selected click 'Count' to see the number of results it should return and then click 'Results' to view the results. If you wish to see data from more than one study provide these as a list in the website or upload as a text file.

The results of the GWAS Mart query can be viewed partially on the website or can be exported for download in different formats by providing an email address. A link is generated to the exported file that can be downloaded. Users are notified via email once the results file is available for download

Dataset 2 / 2,968 Entries

Filters
 GC Study Identifier : [ID-list specified]
 Greater or equal : -log >= 7

Attributes
 GC Study Identifier
 Study Name
 GC Marker Identifier
 Source Marker Accession
 Chromosome
 Marker Start
 Marker Stop
 p-value
 -log p-value
 Resultset
 HGNC Gene Symbol
 Gene Section

Export all results to

Compressed web file (notify by email) Unique results only **Go**

Email notification to

myemail@provider.org

HTML
 CSV
 TSV
 XLS

View 10 rows as HTML Unique results only

Send the results via email in desired format

GC Study Identifier	Study Name	GC Marker Identifier	Source Marker Accession	Chromosome	Marker Start	Marker Stop	p-value	-log p-value	Resultset	HGNC Gene Symbol	Gene Section
HGVST51	GWAS of Alzheimer's disease	HGVM2542344	rs4420638	19	45422946	45422946	2.26e-44	43.6458915608526	HGVR84	APOC1	downstream
HGVST51	GWAS of Alzheimer's disease	HGVM2542344	rs4420638	19	45422946	45422946	2.26e-44	43.6458915608526	HGVR84	APOC1	downstream

View a selection of the results via the website