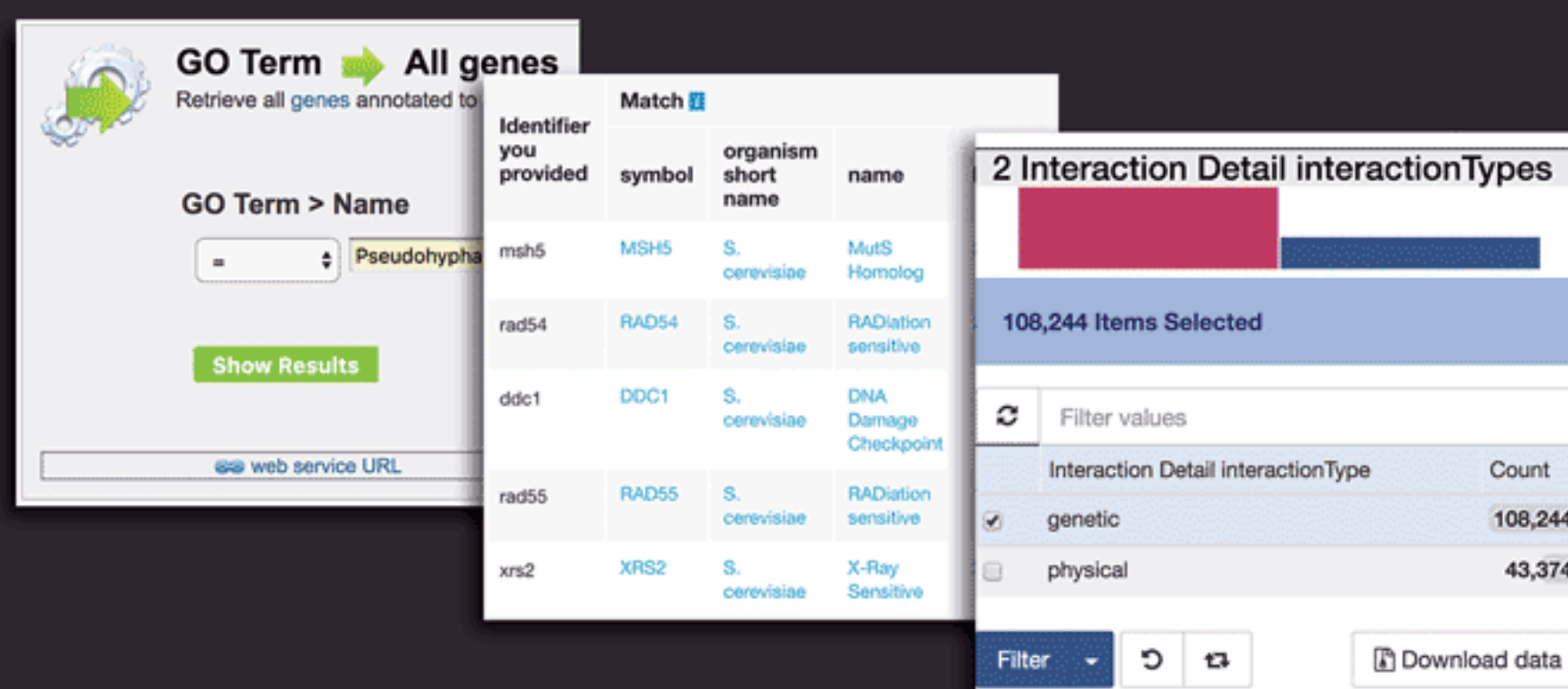


YeastMine is a powerful, multifaceted search & retrieval tool for *S. cerevisiae* data.



YeastMine provides flexible queries and analysis tools that can answer your *S. cerevisiae* questions in just minutes.

From broad questions...

*"How many kinases exist in the yeast proteome?"*

to highly specific questions:

*"Which yeast kinases have human homologs that have been implicated in disease?"*



Visit YeastMine at [yeastmine.yeastgenome.org](http://yeastmine.yeastgenome.org)

- Query any type of data in SGD
- Create, import, and export gene lists
- Run multi-gene queries & analyses
- Store previous queries and lists by starting a MyMine account

Learn how to run a YeastMine query in just three steps!

[yeastmine.yeastgenome.org](http://yeastmine.yeastgenome.org)

Visit  MyMine to view your saved gene lists and query history.

Create a MyMine account to keep your gene lists online at YeastMine!

For more step-by-step help on YeastMine, check out:



SGD YouTube • Video Tutorials  
[youtube.com/SaccharomycesGenomeDatabase](http://youtube.com/SaccharomycesGenomeDatabase)

Or contact us directly:



Questions, suggestions?  
[sgd-helpdesk@lists.stanford.edu](mailto:sgd-helpdesk@lists.stanford.edu)

YeastMine is populated by the *Saccharomyces* Genome Database (SGD; [yeastgenome.org](http://yeastgenome.org)) and powered by InterMine ([intermine.org](http://intermine.org))



*Saccharomyces*  
GENOME DATABASE

 **InterMine**

# Quick Guide



*YeastMine*

advanced search tool

[yeastmine.yeastgenome.org](http://yeastmine.yeastgenome.org)



# Step 1: Select a Template Query

GENOME

PROTEINS

FUNCTION

PHENOTYPES

INTERACTIONS

REGULATION

HOMOLOGY

EXPRESSION

LITERATURE

[Read more](#)

Query for interactions:

• Gene → Interaction

• Gene → Complex + Details

• Complex → Details + Participants

• Literature → Interaction

Then, find a query of interest to get started

[More queries](#)

popular templates

First, select the type of data that you'd like to retrieve

# Step 2: Input a Gene or Gene List

Gene → Interaction

Retrieve all interactions for a specified gene.

Gene

LOOKUP:

☒ constrain to be  saved Gene list

[Show Results](#)

web service URL

Perl | Python | Ruby | Java [help]

export XML

Or, check the "constrain" box and input a saved list of genes

Enter your favorite gene(s) to retrieve relevant data

YeastMine has many pre-populated gene lists to choose from, like the one shown here

# Step 3: Save and Filter Results

Trail: Query

Gene → Interaction

Retrieve all interactions for a specified gene.

☐ Manage Columns

☐ Manage Filters

☐ Manage Relationships

Showing 1 to 25 of 678,660 rows

Rows per page: 25

Gene Primary DBID	Gene Standard Name	Gene Systematic Name	Gene Sgd Alias	Gene Name	Gene Organism Short Name	Details Annotation Type	Details Phenotype	Details Role 1	Participant 2 Standard Name	Interactions Participant 2 Secondary Identifier	Interaction Detection Identifier
S000000001	TFC3	YAL001C	tau 138 transcription factor TFIIC subunit TFC3 FUN24 TSV115	Transcription Factor class C	S. cerevisiae	high-throughput	inviable	Bait	RAD51	YER095W	Synthetic Let
S000000001	TFC3	YAL001C	tau 138 transcription factor TFIIC subunit TFC3 FUN24 TSV115	Transcription Factor class C	S. cerevisiae	high-throughput	NO VALUE	Bait	BRE1	YDL074C	Affinity Capt
S000000001	TFC3	YAL001C	tau 138 transcription factor TFIIC subunit TFC3 FUN24 TSV115	Transcription Factor class C	S. cerevisiae	high-throughput	NO VALUE	Bait	DSN1	YIR010W	Affinity Capt
S000000001	TFC3	YAL001C	tau 138 transcription factor TFIIC subunit TFC3 FUN24 TSV115	Transcription Factor class C	S. cerevisiae	high-throughput	NO VALUE	Bait	HHF1	YBR09C	Affinity Capt
S000000001	TFC3	YAL001C	tau 138 transcription factor TFIIC subunit TFC3 FUN24 TSV115	Transcription Factor class C	S. cerevisiae	high-throughput	NO VALUE	Bait	HHF2	YNL030W	Affinity Capt
S000000001	TFC3	YAL001C	tau 138 transcription factor TFIIC subunit TFC3 FUN24 TSV115	Transcription Factor class C	S. cerevisiae	high-throughput	NO VALUE	Bait	MDH3	YDL078C	Affinity Capt

2 Interaction Detail interactionTypes

256,027 Items Selected

Filter values

Interaction Detail interactionType	Count
genetic	422,633
physical	256,027

Click on the icon to view and filter data in each column

Export results in multiple formats

Save results into a gene list