

Site Search

Learning objectives:

- Use keywords in site search.
- Explore site search results.
- Filter site search results by categories.
- Filter site search results by organisms.
- Filter site search results by category fields.
- Export results to a search strategy.
- Find a specific gene using its ID in site search.
- Use site search and other types of searches to create a multi-step query across different types of records
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The site search can be located in the header of the site and is available from every page. The site search queries the database for a term (e.g., text) or a specific ID and returns a list of pages and documents that contain the query term.

Site search: text, term or gene id.

- Enter the word **kinase** in the site search window (at the top centre of the page). Click on the "enter" key on your keyboard or on the search icon as shown in the screenshot below.



- How many results with the word kinase did you get? Are all these records genes?
- Explore the filter panel on the left side of the page. Filter the results to view gene results only (hint: click on the word **Genes** in the “Filter results” section):

All results matching kinase

1 - 20 of 394,386

Export as a Search Strategy to download or mine your results

Filter results ☒ Hide zero counts

Genome	
Genes	385,833
Population biology	
Popset isolate sequences	7,994
Metabolism	
Metabolic pathways	352
Compounds	193
Data access	
Data sets	9
Searches	4
About	
News	1

Data set - Analysis of the protein kinase A-regulated proteome of *Cryptococcus neoformans*

Fields matched: Associated publications; Description; Name

Gene - CGB_I0230W MAP kinase kinase kinase, MAP kinase kinase kinase, putative

Gene type: protein coding gene

Organism: *Cryptococcus gattii* WM276

Fields matched: EC descriptions and numbers; GO terms; InterPro domains; Orthologs; PDB chains; Product description; Product descriptions (all)

Gene - A9K55_006619 MAP kinase kinase kinase

Gene type: protein coding gene

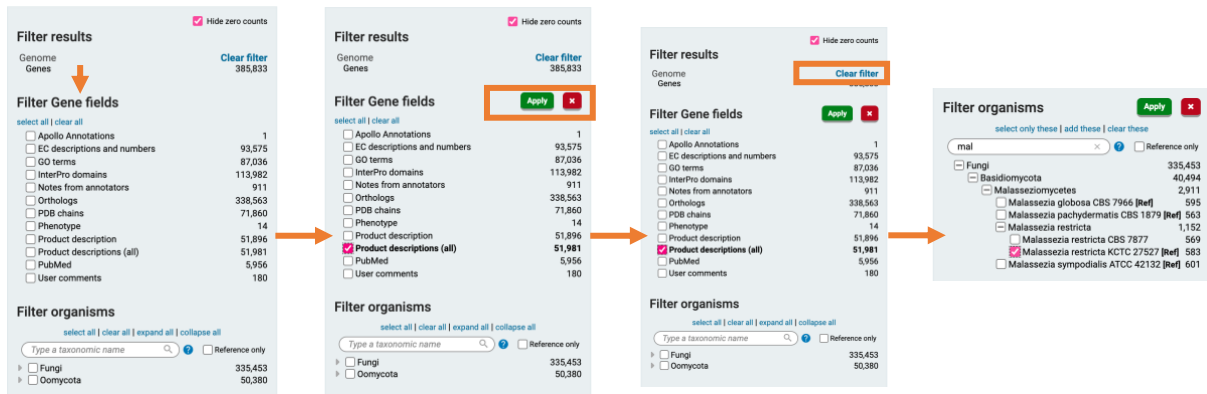
Organism: *Cordyceps militaris* ATCC 34164

Fields matched: EC descriptions and numbers; GO terms; InterPro domains; Orthologs; PDB chains; Product description; Product descriptions (all)

Notice that clicking on the “Genes” category reveals additional filtering options (on the left) and activates the “Export as a Search Strategy” button on the top right, which is now shown in dark blue colour. This is because the search strategy can be deployed on a single category only (e.g. Genes or Data sets, but not both).

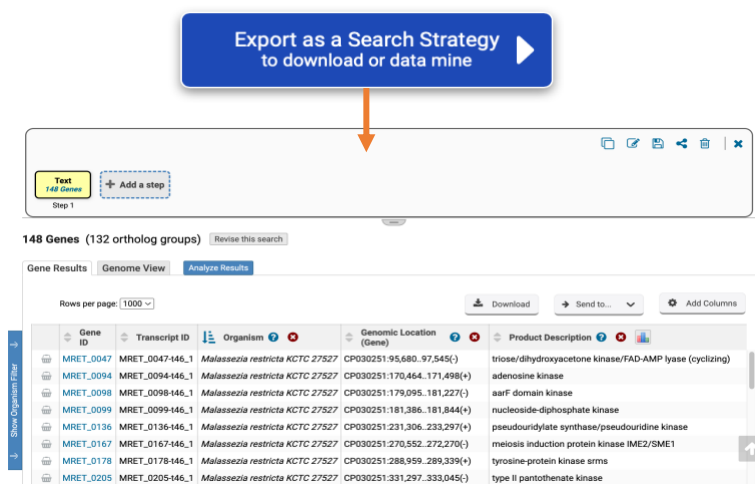
- Select and apply the “Product descriptions (all)” filter.

Note: The applied filter can be easily cleared by clicking on “Clear filter” option as shown in the screenshot below.



- In the “Filter organisms” section, select to filter gene results by *Malassezia restricta* **KCTC 27527**. How many genes contain “kinase” in the product description field in this organism?
- Export the results to a search strategy.

To achieve this, click on the blue button called “Export as a search strategy...” at the top right-hand side of the results page.



- Try running the same search but this time use a wild card (*) (e.g., kinase*).

When the wild card is combined with a word (**kinase*** or ***kinase**), the search will retrieve compound words ending or beginning with the word kinase (e.g. *kinase - phosphofructo**kinase**). The wild card (*) can be used alone to retrieve all records available to the site search (see screenshot below).

All results matching *

1 - 20 of 4,901,548

Export as a Search Strategy to download or mine your results

Filter results	Count	Compound - CHEBI:10000	Vismione D
Genome	1,865,291	Compound - CHEBI:10001	Vismadin
Genes	162,441	Compound - CHEBI:10002	Vismagin
Genomic sequences	186	Compound - CHEBI:10003	ribostamycin sulfate
Organism	1,709,817	Definition:	An aminoglycoside sulfate salt resulting from the reaction of ribostamycin with sulfuric acid.
Organisms	1,077,920	Compound - CHEBI:100147	nalidixic acid
Transcriptomics	3,045	Definition:	A monocarboxylic acid comprising 1,8-naphthyridin-4-one substituted by carboxylic acid, ethyl and methyl groups at positions 3, 1, and 7, respectively.
ESTs	61,998	Compound - CHEBI:10014	Voacamine
Population biology	381	Compound - CHEBI:10015	vobasine
Popset isolate sequences	435	Definition:	An indole alkaloid that is vobasine in which the bridgehead methyl group is substituted by a methoxycarbonyl group and an additional oxo substituent is present in the 3-position.
Metabolism	15	Compound - CHEBI:10016	vobtusine
Metabolic pathways	1	Compound - CHEBI:10017	volemitol
Compounds	2	Definition:	A heptitol that is heptane-1,2,3,4,5,6,7-heptol that has R-configuration at positions 2, 3, 5 and 6.
Data access	16	Compound - CHEBI:10018	volkenin
Data sets	1	Definition:	A cyanogenic glycoside that is (4R)-4-hydroxycyclopent-2-ene-1-carbonitrile attached to a beta-D-glucopyranosyloxy at position 1.
Searches	16	Compound - CHEBI:10019	Vomicine
Instructional		Compound - CHEBI:10022	Vomitoxin
Tutorials		Compound - CHEBI:10023	voriconazole
Workshop exercises		Definition:	A triazole-based antifungal agent used for the treatment of esophageal candidiasis, invasive pulmonary aspergillosis, and serious fungal infections caused by <i>Scedosporium apiospermum</i> and <i>Fusarium</i> spp. It is an inhibitor of cytochrome P450 2C9 (CYP2C9) and CYP3A4.
About		Compound - CHEBI:100241	ciprofloxacin
News		Definition:	A quinolone that is quinolin-4(1H)-one bearing cyclopropyl, carboxylic acid, fluoro and piperazin-1-yl substituents at positions 1, 3, 6 and 7, respectively.
General info pages			

Filter fields
Select a result filter above

Filter organisms
select all | clear all | expand all | collapse all
Type a taxonomic name

- The site search also works with gene ids. Run a site search for the following gene id: Afu2g13260

The gene id search will return the gene record card for [Afu2g13260](#).

Clicking on the gene link in blue within the card will bring up the gene record page for this gene.

Clicking on the “Export as a Search Strategy” button will create a search strategy with a single gene ID. This may be useful if you are interested in cross-referencing different types of data for one gene.

Genes matching Afu2g13260

1 - 1 of 1

Export as a Search Strategy to download or mine your results

Filter results	Count	Gene - Afu2g13260	Developmental regulator medA, putative
Genome	1	Gene name or symbol:	medA
Genes	1	Gene type:	protein coding gene
		Organism:	<i>Aspergillus fumigatus</i> Af293
		Fields matched:	External links; Gene ID; Names, IDs, and aliases; User comments

Filter Gene fields
select all | clear all
☐ External links
☐ Gene ID
☐ Names, IDs, and aliases
☐ User comments

Filter organisms
select all | clear all | expand all | collapse all
Type a taxonomic name
☐ Fungi
☐ Ascomycota

Search strategy links:

kinase - <https://fungidb.org/fungidb/app/workspace/strategies/import/9c47e36cfa7790f6>

kinase* - <https://fungidb.org/fungidb/app/workspace/strategies/import/eee9e7d2dfb3e7c1>

Afu2g13260 -

<https://fungidb.org/fungidb/app/workspace/strategies/import/6fc6b7e52a15b76b>