

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

The site search can be accessed from 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
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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 color. 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 - phosphofructokinase). The wild card (*) can be used alone to retrieve all records available to the site search (see screenshot below).

- 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.

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>