YeastFunc

RRID:SCR_010561
Type: Tool

Proper Citation

YeastFunc (RRID:SCR_010561)

Resource Information

URL: http://func.mshri.on.ca/yeast/

Proper Citation: YeastFunc (RRID:SCR_010561)

Description: YeastFunc is a public database for browsing of quantitative S. cerevisiae gene function predictions, gene function linkage predictions, and the evidence behind the predictions, overlayed upon the experimentally verified annotations as taken from the SGD, MGI and Ensembl Gene databases, respectively. Three aspects of gene function predictions are displayed: * First, for a particular gene, users can view all functions ranked by certainty that the corresponding gene-function pair is a true annotation. * Second, for a particular function, users can view all genes ranked by certainty. * The third aspect is functional linkage predictions, displayed alongside the first two aspects as gene-centered and function-centered images, respectively, and editable via Cytoscape. These functional linkage graphs are independently informative, though they are also used as a step in one of the gene function prediction techniques whose certainty scores are displaying on this site, so they can be treated as evidence. Evidence leading to all gene function predictions in the first two aspects as well as all experimentally verified gene function annotation is displayed alongside each of the first two aspects, allowing the user to understand the basis for the certainty score. To get started type a Gene Ontology ID, an SGD ID, an ORF ID, an Ensembl gene id, an Entrez gene id, a Uniprot id, a standard gene name, or a general search term in the text box. The results of your search will appear below the search box. These results are solely Gene Ontology terms and genes for the species that you selected. Click the result that you would like to investigate further. Note the paging toolbar at the bottom of the results list. If you are interested in performing your own analyses upon all prediction scores displayed on this site you may download the file. Of the 15,633,440 scored yeast gene-function pairs, 6,368 genes have scores and 4,877 genes have at least one experimentally verified function.

Abbreviations: YeastFunc

Synonyms: Yeast Gene Predictive Functional Annotation Browser, FuncBase: Yeast Gene Predictive Functional Annotation Browser

Resource Type: image, data or information resource, database

Keywords: yeast, saccaromyces cerevisiae, s. cerevisiae

Funding:

Resource Name: YeastFunc

Resource ID: SCR_010561

Alternate IDs: nlx_38480

Old URLs: http://func.med.harvard.edu/yeast/

Record Creation Time: 20220129T080259+0000

Record Last Update: 20250410T070007+0000

Ratings and Alerts

No rating or validation information has been found for YeastFunc.

No alerts have been found for YeastFunc.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We have not found any literature mentions for this resource.