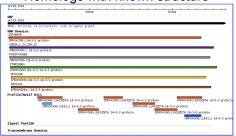
View Protein Properties, Orthologs, & Pathways

Protein Information "Protein" tab on Locus Summary

Find basic information about a protein, links to detailed data and predictions, and protein-specific tools, including:

Sequence

Protein domains & motifs
Transmembrane domains
Signal peptide cleavage sites
Homologs with known structure



Orthologs

Links on Locus Summary pages lead to:

- S. cerevisiae and C. dubliniensis orthologs
- S. cerevisiae best hits
- Orthologs from more species coming soon!

Biochemical Pathways

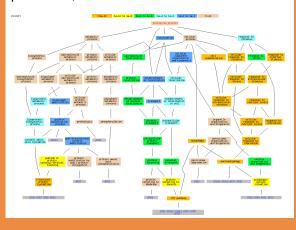
Explore *Candida* biochemistry with this dynamic display of curated enzymatic pathways. Browse or search by gene/protein, pathway name, compound, or E.C. number.



Get an Overview of Gene Sets or the Genome

GO Term Finder

Using a list of genes, find shared functions, processes, or locations.

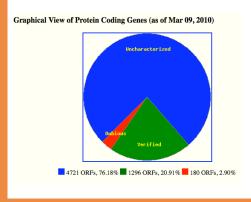


GO Slim Mapper

Map genes to the Candida GO Slim: broad functional categories that represent the major biological processes, functions, and cellular components in *C. albicans*

Genome Snapshot

Genome-wide summaries of sequence and functional annotations, updated daily





Quick Resource Guide

March 2010

Find & View Chromosomal Features

Retrieve Sets of Genes or Papers

Investigate Mutant Phenotypes

View Protein
Properties, Orthologs,
& Pathways

Get an Overview of Gene Sets or the Genome

www.candidagenome.org candida-curator@genome.stanford.edu

Find & View Chromosomal Features

Quick Search



Use a keyword to simultaneously search 10 major categories of information in CGD.

Advanced Search

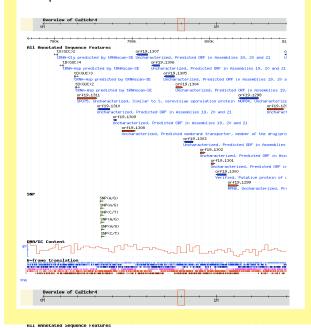
Use multiple search criteria.

Select features (e.g. ORF, tRNA, etc.)

Narrow results by sequence &
annotations; chromosome; function,
process, or localization; or any desired GO
term

GBrowse Genome Browser

View the genome with this customizable, dynamic map where annotated features or your own annotations are displayed on multiple "tracks".



Retrieve Sets of Genes or Papers

Batch Download

Retrieve various types of data for a list of genes or for all genes in a specified region:

- Nucleotide or protein sequences
- Chromosomal feature information (gene names, descriptions, coordinates)
- Gene Ontology annotations
- Mutant phenotypes
- Ortholog information

Download Data

Download genome-wide data files:

Sequences (A19, A21)
Chromosomal feature information
Functional information (literature curation)
Biochemical pathway information
Mapping files (correspondence between
names in historical assemblies; mapping
to external identifiers)
Ortholog and best hit mappings
Large-scale datasets
Community-contributed datasets

Textpresso

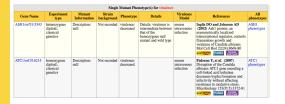
Search the full text of almost 20,000 *Candida*-related articles.



Investigate Mutant Phenotypes

Browse Phenotypes

- Find mutant phenotypes associated with a gene
- Find all genes with a specific mutant phenotype (e.g., affecting virulence)



Search Phenotypes

Quick Search: looks at major phenotype terms

Expanded Phenotype Search: looks at all text associated with phenotype annotations

Phenotype Viewer software

Downloadable application to view and search phenotype data from Homann et al. (2009) A phenotypic profile of the Candida albicans regulatory network. PLoS Genet 5(12):e1000783

