Resource Summary Report

Generated by RRID on Sep 10, 2026

Candida Genome Database

RRID:SCR_002036
Type: Tool

Proper Citation

Candida Genome Database (RRID:SCR_002036)

Resource Information

URL: http://www.candidagenome.org/

Proper Citation: Candida Genome Database (RRID:SCR_002036)

Description: Database of genetic and molecular biological information about Candida albicans. Contains information about genes and proteins, descriptions and classifications of their biological roles, molecular functions, and subcellular localizations, gene, protein, and chromosome sequence information, tools for analysis and comparison of sequences and links to literature information. Each CGD gene or open reading frame has an individual Locus Page. Genetic loci that are not tied to DNA sequence also have Locus Pages. Provides Gene Ontology, GO, to all its users. Three ontologies that comprise GO (Molecular Function, Cellular Component, and Biological Process) are used by multiple databases to annotate gene products, so that this common vocabulary can be used to compare gene products across species. Development of ontologies is ongoing in order to incorporate new information. Data submissions are welcome.

Abbreviations: CGD, CGD LOCUS, CGD REF

Resource Type: data or information resource, data repository, database, service resource, storage service resource

Defining Citation: PMID:19808938

Keywords: protein, chromosome, classification, gene, genome, candidiasis, thrush, yeast, yeast gene, yeast genome, candida albicans, candida glabrata, data analysis service, biological role, molecular function, subcellular localization, chromosome sequence, bio.tools, FASEB list

Funding: NIDCR DE015873

Availability: Free, Available for download, Freely available

Resource Name: Candida Genome Database

Resource ID: SCR_002036

Alternate IDs: biotools:cgd, nif-0000-02634, r3d100010617

Alternate URLs: https://bio.tools/cgd

Record Creation Time: 20220129T080211+0000

Record Last Update: 20260905T132443+0000

Ratings and Alerts

No rating or validation information has been found for Candida Genome Database.

No alerts have been found for Candida Genome Database.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 506 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Zhou X, et al. (2026) Recurrent mutations in the stress regulator Cap1 reveal a trade-off between azole resistance and oxidative stress response in Candida albicans. PLoS biology, 24(2), e3003631.

Shubaita M, et al. (2026) Diet-responsive genetic determinants of intestinal colonization in the yeast Candida albicans. mBio, 17(1), e0243025.

Janik A, et al. (2026) The Essential Rot1 Protein Links Glycosylation, Cell Wall Integrity, and Pathogenic Development in Candida albicans. Journal of fungi (Basel, Switzerland), 12(4).

Kumar P, et al. (2026) Comprehensive Insights into Sugar Transporters of Candidozyma auris and Their Roles in Antifungal Resistance. Journal of fungi (Basel, Switzerland), 12(2).

Fillinger RJ, et al. (2026) Parasex generates highly recombinant progeny in Candida albicans with increased virulence. Nature microbiology, 11(2), 522.

Jensen O, et al. (2026) A Candida glabrata adhesin-like effector drives fitness and immunogenicity in the gut. bioRxiv : the preprint server for biology.

Cai R, et al. (2026) Genomic Analysis Reveals Diversified and Stress-Responsive Transport Repertoire in Candidozyma (Candida) auris. Journal of fungi (Basel, Switzerland), 12(3).

Ramírez-Zavala B, et al. (2026) Inducible gene deletion reveals essentiality of protein kinases and a septation initiation network in Candida albicans. PLoS genetics, 22(4), e1012118.

Weichert M, et al. (2026) The penta-EF-hand protein Pef1 of Candida albicans functions at sites of membrane perturbation to support polarized growth and membrane integrity. G3 (Bethesda, Md.), 16(6).

Ghosh M, et al. (2026) Candida glabrata and the host: a neglected affair. Journal of medical microbiology, 75(5).

Zhu H, et al. (2026) Lsm1 Coordinates Mitochondrial Homeostasis, TORC1 Signaling, and Virulence in Candida albicans. Microorganisms, 14(4).

Malavia-Jones D, et al. (2026) Compromising UDP-sugar nucleotide biosynthesis attenuates Candida albicans viability, virulence and drug sensitivity. Cell surface (Amsterdam, Netherlands), 15, 100170.

Fróis-Martins R, et al. (2026) Manipulation of regulators of morphogenesis is not sufficient to render a Candida albicans colonizer strain pathogenic. mBio, 17(5), e0041526.

Yu X, et al. (2026) p24 family proteins are critical for cell wall integrity, protein secretion, and virulence in Candida albicans. mSphere, 11(2), e0082725.

Schäuble S, et al. (2026) FungiNetDB: a uniform (pre-)processing platform for fungal expression data. microLife, 7, uqag012.

Xiong EH, et al. (2025) Protocol to identify genes important for Candida albicans fitness in diverse environmental conditions using pooled bar-seq screening approach. STAR protocols, 6(1), 103645.

Wang TW, et al. (2025) In vivo evolution of Candida auris multi-drug resistance in a patient receiving antifungal treatment. bioRxiv : the preprint server for biology.

Hu QL, et al. (2025) Mitochondrial phosphate carrier plays an important role in virulence of Candida albicans. Mycology, 16(1), 369.

Calegari-Alves YP, et al. (2025) CRYPTOMICSDB: Revealing the Molecular Landscape of Cryptococcosis. Journal of fungi (Basel, Switzerland), 11(6).

Mundodi V, et al. (2025) Ribosome profiling reveals differences in global translational vs transcriptional gene expression changes during early Candida albicans biofilm formation. Microbiology spectrum, 13(3), e0219524.