

Resource Summary Report

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Dictyostelium discoideum genome database

RRID:SCR_006643

Type: Tool

Proper Citation

Dictyostelium discoideum genome database (RRID:SCR_006643)

Resource Information

URL: <http://dictybase.org/>

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Description: Model organism database for the social amoeba *Dictyostelium discoideum* that provides the biomedical research community with integrated, high quality data and tools for *Dictyostelium discoideum* and related species. dictyBase houses the complete genome sequence, ESTs, and the entire body of literature relevant to *Dictyostelium*. This information is curated to provide accurate gene models and functional annotations, with the goal of fully annotating the genome to provide a "reference genome" in the Amoebozoa clade. They highlight several new features in the present update: (i) new annotations; (ii) improved interface with web 2.0 functionality; (iii) the initial steps towards a genome portal for the Amoebozoa; (iv) ortholog display; and (v) the complete integration of the Dicty Stock Center with dictyBase. The Dicty Stock Center currently holds over 1500 strains targeting over 930 different genes. There are over 100 different distinct amoebozoan species. In addition, the collection contains nearly 600 plasmids and other materials such as antibodies and cDNA libraries. The strain collection includes: * strain catalog * natural isolates * MNNG chemical mutants * tester strains for parasexual genetics * auxotroph strains * null mutants * GFP-labeled strains for cell biology * plasmid catalog The Dicty Stock Center can accept *Dictyostelium* strains, plasmids, and other materials relevant for research using *Dictyostelium* such as antibodies and cDNA or genomic libraries.

Abbreviations: dictyBase, dictyBase gene name, dictyBase REF, DictyBase

Synonyms: dictyBase gene name, dictyBase REF, Dicty, dictyBase, Dictyostelium discoideum

Resource Type: biomaterial supply resource, material resource, organism supplier

Defining Citation: [PMID:23172289](#), [PMID:21087999](#), [PMID:18974179](#), [PMID:14681427](#), [PMID:16381903](#)

Keywords: genome, sequence, est, literature, gene model, functional annotation, reference genome, gene, antibody, cdna, bacteria, dictyostelium discoideum, dictyostelium purpureum, dictyostelium fasciculatum, polysphondylium pallidum, bio.tools

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Resource Name: Dictyostelium discoideum genome database

Resource ID: SCR_006643

Alternate IDs: biotools:dictybase, nif-0000-20974, SCR_008149, nif-0000-02751, OMICS_03158

Alternate URLs: <https://bio.tools/dictybase>

Old URLs: <http://genome.imb-jena.de/dictyostelium/>

Record Creation Time: 20220129T080237+0000

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Ratings and Alerts

No rating or validation information has been found for Dictyostelium discoideum genome database.

No alerts have been found for Dictyostelium discoideum genome database.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.