

Resource Summary Report

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COGEME Phytopathogenic Fungi and Oomycete EST Database

RRID:SCR_007604

Type: Tool

Proper Citation

COGEME Phytopathogenic Fungi and Oomycete EST Database (RRID:SCR_007604)

Resource Information

URL: <http://cogeme.ex.ac.uk/>

Proper Citation: COGEME Phytopathogenic Fungi and Oomycete EST Database (RRID:SCR_007604)

Description: COGEME is an ongoing BBSRC-funded study to construct a relational database of genomic information from phytopathogenic fungi. This site also hosts microarray data for *Blumeria graminis*. Expressed sequence tags (ESTs) obtained from eighteen species of plant pathogenic fungi, two species of phytopathogenic oomycete and three species of saprophytic fungi are included here. Hierarchical clustering software was used to classify together ESTs representing the same gene and produce a single contig, or consensus sequence. The unisequence set for each pathogen therefore represents a set of unique gene sequences, each one consisting of either a single EST or a contig sequence made from a group of ESTs. Unisequences were annotated based on top hits against the NCBI non-redundant protein database using blastx.

Synonyms: COGEME

Resource Type: data or information resource, database

Keywords: blumeria graminis, phytopathogen, phytopathogen est, phytopathogenic fungi, phytopathogenic oomycete, plant pathogenic fungi, saprophytic fungi, bio.tools

Resource Name: COGEME Phytopathogenic Fungi and Oomycete EST Database

Resource ID: SCR_007604

Alternate IDs: nif-0000-02673, biotools:cogeme

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

Record Creation Time: 20220129T080242+0000

Ratings and Alerts

No rating or validation information has been found for COGEME Phytopathogenic Fungi and Oomycete EST Database.

No alerts have been found for COGEME Phytopathogenic Fungi and Oomycete EST Database.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Bhadauria V, et al. (2015) Candidate effectors contribute to race differentiation and virulence of the lentil anthracnose pathogen *Colletotrichum lentis*. BMC genomics, 16(1), 628.

Saint-Macary ME, et al. (2015) Methionine biosynthesis is essential for infection in the rice blast fungus *Magnaporthe oryzae*. PloS one, 10(4), e0111108.

González-Fernández R, et al. (2010) Proteomics of plant pathogenic fungi. Journal of biomedicine & biotechnology, 2010, 932527.

Fofana B, et al. (2007) Temporal gene expression profiling of the wheat leaf rust pathosystem using cDNA microarray reveals differences in compatible and incompatible defence pathways. International journal of plant genomics, 2007, 17542.

Galperin MY, et al. (2005) The Molecular Biology Database Collection: 2005 update. Nucleic acids research, 33(Database issue), D5.