

***Plasmodium gallinaceum* (Plg)**

Taxonomy:

cellular organisms | Eukaryota | Alveolata | Apicomplexa | Aconoidasida | Haemosporida | Plasmodium | Plasmodium (Haemamoeba)

Reference/s:

PlasmoDB The Plasmodium Genome Resource: PlasmoDB The Plasmodium Genome Resource

The Wellcome Trust Sanger Institute: Plasmodium gallinaceum, Partial Genome Shotgun

***Plasmodium falciparum Ghanaian Isolate* (Pf_b)**

Taxonomy:

cellular organisms | Eukaryota | Alveolata | Apicomplexa | Aconoidasida | Haemosporida | Plasmodium | Plasmodium (Laverania)

Reference/s:

International Species Sequencing Consortium: Plasmodium Sequencing Consortium

The Gene Index Project: DFCI P.falciparum Gene Index

The Wellcome Trust Sanger Institute: Plasmodium falciparum Genome Projects

Publication/s:

Jeffares DC *et. al.* , *Nat Genet* , **39** , 120 (2007).

***Plasmodium falciparum Dd2* (Pf_d)**

Taxonomy:

cellular organisms | Eukaryota | Alveolata | Apicomplexa | Aconoidasida | Haemosporida | Plasmodium | Plasmodium (Laverania) | Plasmodium falciparum

Reference/s:

Broad Institute of Harvard and MIT: Plasmodium falciparum species Database

International Species Sequencing Consortium: Plasmodium Sequencing Consortium

National Center for Biotechnology Information: NCBI Protozoa genomes

The Gene Index Project: DFCI P.falciparum Gene Index

Publication/s:

Volkman SK *et. al.* , *Nat Genet* , **39** , 113 (2007).

***Plasmodium falciparum HB3* (Pf_c)**

Taxonomy:

cellular organisms | Eukaryota | Alveolata | Apicomplexa | Aconoidasida | Haemosporida | Plasmodium | Plasmodium (Laverania) | Plasmodium falciparum

Reference/s:

Broad Institute of Harvard and MIT: Plasmodium falciparum species Database

International Species Sequencing Consortium: Plasmodium Sequencing Consortium

National Center for Biotechnology Information: NCBI Protozoa genomes

The Gene Index Project: DFCI P.falciparum Gene Index

Publication/s:

Volkman SK *et. al.* , *Nat Genet* , **39** , 113 (2007).

***Plasmodium falciparum 3D7* (Pf_a)**

Taxonomy:

cellular organisms | Eukaryota | Alveolata | Apicomplexa | Aconoidasida | Haemosporida | Plasmodium | Plasmodium (Laverania) | Plasmodium falciparum

Reference/s:

International Species Sequencing Consortium: Plasmodium falciparum Sequencing Consortium

National Center for Biotechnology Information: NCBI Protozoa genomes

National Center for Biotechnology Information Reference Sequences: Plasmodium falciparum genome view

PlasmoDB The Plasmodium Genome Resource: PlasmoDB The Plasmodium Genome Resource

The Gene Index Project: DFCI P.falciparum Gene Index

The Wellcome Trust Sanger Institute: Plasmodium falciparum Genome Projects

e! Ensembl: Plasmodium falciparum

Publication/s:

Gardner MJ *et. al.* , *Nature* , **419** , 498 (2002).

Hall N *et. al.* , *Nature* , **419** , 527 (2002).

Gardner MJ *et. al.* , *Nature* , **419** , 531 (2002).

Hyman RW *et. al.* , *Nature* , **419** , 534 (2002).

Bowman S *et. al.* , *Nature* , **400** , 532 (1999).

Gardner MJ *et. al.* , *Science* , **282** , 1126 (1998).

Wilson RJ *et. al.* , *J Mol Biol* , **261** , 155 (1996).

***Plasmodium knowlesi* (Pk)**

Taxonomy:

cellular organisms | Eukaryota | Alveolata | Apicomplexa | Aconoidasida | Haemosporida | Plasmodium | Plasmodium (Plasmodium)

Reference/s:

International Species Sequencing Consortium: Plasmodium knowlesi Sequencing Consortium

National Center for Biotechnology Information: NCBI Protozoa genomes

PlasmoDB The Plasmodium Genome Resource: PlasmoDB The Plasmodium Genome Resource

The Wellcome Trust Sanger Institute: Plasmodium knowlesi, Genome Shotgun

e! Ensembl: Plasmodium knowlesi

Publication/s:

Pain A *et. al.* , *Nature* , **455** , 799 (2008).

***Plasmodium vivax str. Salvador I* (Pv)**

Taxonomy:

cellular organisms | Eukaryota | Alveolata | Apicomplexa | Aconoidasida | Haemosporida | Plasmodium | Plasmodium (Plasmodium) | Plasmodium vivax

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN

International Species Sequencing Consortium: Plasmodium vivax Sequencing Consortium

National Center for Biotechnology Information: NCBI Protozoa genomes

PlasmoDB The Plasmodium Genome Resource: PlasmoDB The Plasmodium Genome Resource

The Gene Index Project: DFCI Plasmodium vivax Gene Index
The Institute for Genomic Research: Plasmodium vivax Genome Project
e! Ensembl: Plasmodium vivax
Publication/s:
Dharia NV *et. al.* , *Proc Natl Acad Sci U S A* , **107** , 20045 (2010).
Carlton JM *et. al.* , *Nature* , **455** , 757 (2008).
Cui L *et. al.* , *Mol Biochem Parasitol* , **144** , 1 (2005).

***Plasmodium chabaudi* (Plc)**

Taxonomy:
cellular organisms | Eukaryota | Alveolata | Apicomplexa | Aconoidasida | Haemosporida | Plasmodium | Plasmodium (Vinckeia)
Reference/s:
GenBank - NIH genetic sequence database: GenBank species TBLASTN
National Center for Biotechnology Information: NCBI Protozoa genomes
PlasmoDB The Plasmodium Genome Resource: PlasmoDB The Plasmodium Genome Resource
The Wellcome Trust Sanger Institute: Plasmodium chabaudi genome project
e! Ensembl: Plasmodium chabaudi
Publication/s:
Hall N *et. al.* , *Science* , **307** , 82 (2005).

***Plasmodium berghei str. ANKA* (Pb)**

Taxonomy:
cellular organisms | Eukaryota | Alveolata | Apicomplexa | Aconoidasida | Haemosporida | Plasmodium | Plasmodium (Vinckeia) | Plasmodium berghei
Reference/s:
GenBank - NIH genetic sequence database: GenBank species TBLASTN
National Center for Biotechnology Information: NCBI Protozoa genomes
PlasmoDB The Plasmodium Genome Resource: PlasmoDB The Plasmodium Genome Resource
The Gene Index Project: DFCI Plasmodium berghei Gene Index
The Wellcome Trust Sanger Institute: Plasmodium berghei, Genome Shotgun
e! Ensembl: Plasmodium berghei
Publication/s:
Hall N *et. al.* , *Science* , **307** , 82 (2005).

***Plasmodium yoelii yoelii 17XNL* (Ply)**

Taxonomy:
cellular organisms | Eukaryota | Alveolata | Apicomplexa | Aconoidasida | Haemosporida | Plasmodium | Plasmodium (Vinckeia) | Plasmodium yoelii
Reference/s:
International Species Sequencing Consortium: Plasmodium yoelii yoelii Sequencing Consortium
National Center for Biotechnology Information: NCBI Protozoa genomes
PlasmoDB The Plasmodium Genome Resource: PlasmoDB The Plasmodium Genome Resource
The Gene Index Project: DFCI Plasmodium yoelii Gene Index
The Institute for Genomic Research: The Plasmodium yoelii yoelii Genome Sequencing Program
Publication/s:
Carlton JM *et. al.* , *Nature* , **419** , 512 (2002).

***Babesia bovis str. Texas T2Bo* (Bb)**

Taxonomy:
cellular organisms | Eukaryota | Alveolata | Apicomplexa | Aconoidasida | Piroplasmida | Babesiidae | Babesia
Reference/s:
International Species Sequencing Consortium: Babesia bovis Sequencing Consortium
National Center for Biotechnology Information: NCBI Protozoa genomes
The Wellcome Trust Sanger Institute: Babesia bovis EST Sequencing Project
Washington State University: Babesia bovis Genome Sequencing Project
Publication/s:
Brayton KA *et. al.* , *PLoS Pathog* , **3** , 1401 (2007).

***Theileria parva str. Muguga* (Tep)**

Taxonomy:
cellular organisms | Eukaryota | Alveolata | Apicomplexa | Aconoidasida | Piroplasmida | Theileriidae | Theileria | Theileria parva
Reference/s:
International Species Sequencing Consortium: Theileria parva Sequencing Consortium
National Center for Biotechnology Information: NCBI Protozoa genomes
The Institute for Genomic Research: The Theileria parva Genome Database
Publication/s:
Gardner MJ *et. al.* , *Science* , **309** , 134 (2005).

***Cryptosporidium parvum str. Iowa II* (Cp)**

Taxonomy:
cellular organisms | Eukaryota | Alveolata | Apicomplexa | Coccidia | Eucoccidiorida | Eimeriorina | Cryptosporidiidae | Cryptosporidium
Reference/s:
CryptoDB: CryptoDB
International Species Sequencing Consortium: Cryptosporidium parvum Sequencing Consortium
National Center for Biotechnology Information: NCBI Protozoa genomes
The Gene Index Project: DFCI Cryptosporidium parvum Gene Index
Virginia Commonwealth University: Cryptosporidium hominis Research
Publication/s:
Abrahamsen MS *et. al.* , *Science* , **304** , 441 (2004).

***Cryptosporidium hominis TU502* (Ch)**

Taxonomy:

cellular organisms | Eukaryota | Alveolata | Apicomplexa | Coccidia | Eucoccidiorida | Eimeriorina | Cryptosporidiidae | Cryptosporidium | Cryptosporidium hominis

Reference/s:

CryptoDB: [CryptoDB](#)

National Center for Biotechnology Information: [NCBI Protozoa genomes](#)

Virginia Commonwealth University: [Cryptosporidium hominis Research](#)

Publication/s:

Xu P *et. al.* , *Nature* , **431** , 1107 (2004).

***Cryptosporidium muris* RN66 (Crm)**

Taxonomy:

cellular organisms | Eukaryota | Alveolata | Apicomplexa | Coccidia | Eucoccidiorida | Eimeriorina | Cryptosporidiidae | Cryptosporidium | Cryptosporidium muris

Reference/s:

CryptoDB: [CryptoDB](#)

National Center for Biotechnology Information: [NCBI Protozoa genomes](#)

***Eimeria tenella* (Et)**

Taxonomy:

cellular organisms | Eukaryota | Alveolata | Apicomplexa | Coccidia | Eucoccidiorida | Eimeriorina | Eimeriidae | Eimeria

Reference/s:

The Gene Index Project: [DFCI Eimeria tenella Gene Index](#)

The Wellcome Trust Sanger Institute: [The Eimeria tenella Genome Project](#)

ToxoDB: [Toxoplasma gondii Genome resource](#)

***Neospora caninum* (Nca)**

Taxonomy:

cellular organisms | Eukaryota | Alveolata | Apicomplexa | Coccidia | Eucoccidiorida | Eimeriorina | Sarcocystidae | Neospora

Reference/s:

National Center for Biotechnology Information: [NCBI Protozoa genomes](#)

The Gene Index Project: [DFCI Neospora caninum Gene Index](#)

The Wellcome Trust Sanger Institute: [Neospora caninum Sequencing](#)

ToxoDB: [Toxoplasma gondii Genome resource](#)

***Toxoplasma gondii* GT1 (Tg_a)**

Taxonomy:

cellular organisms | Eukaryota | Alveolata | Apicomplexa | Coccidia | Eucoccidiorida | Eimeriorina | Sarcocystidae | Toxoplasma | Toxoplasma gondii

Reference/s:

National Center for Biotechnology Information: [NCBI Protozoa genomes](#)

The Gene Index Project: [DFCI Toxoplasma gondii Gene Index](#)

The Institute for Genomic Research: [The Toxoplasma gondii Genome Project](#)

The Wellcome Trust Sanger Institute: [Toxoplasma gondii Sequencing Project](#)

ToxoDB: [Toxoplasma gondii Genome resource](#)

***Toxoplasma gondii* ME49 (Tg_c)**

Taxonomy:

cellular organisms | Eukaryota | Alveolata | Apicomplexa | Coccidia | Eucoccidiorida | Eimeriorina | Sarcocystidae | Toxoplasma | Toxoplasma gondii

Reference/s:

National Center for Biotechnology Information: [NCBI Protozoa genomes](#)

ToxoDB: [Toxoplasma gondii Genome resource](#)

***Toxoplasma gondii* VEG (Tg_b)**

Taxonomy:

cellular organisms | Eukaryota | Alveolata | Apicomplexa | Coccidia | Eucoccidiorida | Eimeriorina | Sarcocystidae | Toxoplasma | Toxoplasma gondii | Toxoplasma gondii type III

Reference/s:

National Center for Biotechnology Information: [NCBI Protozoa genomes](#)

ToxoDB: [Toxoplasma gondii Genome resource](#)

***Ichthyophthirius multifiliis* strain G5 (Im)**

Taxonomy:

cellular organisms | Eukaryota | Alveolata | Ciliophora | Intramacronucleata | Oligohymenophorea | Hymenostomatida | Ophryoglenina | Ichthyophthirius | Ichthyophthirius multifiliis

Reference/s:

International Species Sequencing Consortium: [Ichthyophthirius multifiliis Sequencing Consortium](#)

National Center for Biotechnology Information: [NCBI Protozoa genomes](#)

Publication/s:

Coyne RS *et. al.* , *Genome Biol* , **12** , R100 (2011).

***Tetrahymena thermophila* SB210 (Tet)**

Taxonomy:

cellular organisms | Eukaryota | Alveolata | Ciliophora | Intramacronucleata | Oligohymenophorea | Hymenostomatida | Tetrahymenina | Tetrahymenidae | Tetrahymena | Tetrahymena thermophila

Reference/s:

Broad Institute of Harvard and MIT: [Tetrahymena Comparative Database](#)

International Species Sequencing Consortium: [Tetrahymena thermophila Sequencing Consortium](#)

National Center for Biotechnology Information: [NCBI Protozoa genomes](#)

TBestDB - Taxonomically Broad EST Database: [Tetrahymena thermophila](#)

The Gene Index Project: [DFCI Tetrahymena thermophila Gene Index](#)

The Institute for Genomic Research: [The Tetrahymena thermophila Genome Sequencing Project](#)

Publication/s:

Eisen JA *et. al.* , *PLoS Biol* , **4** , e286 (2006).

***Paramecium tetraurelia* (Pt)**

Taxonomy:

cellular organisms | Eukaryota | Alveolata | Ciliophora | Intramacronucleata | Oligohymenophorea | Peniculida | Parameciidae | Paramecium

Reference/s:

Genoscope: Paramecium tetraurelia - a model ciliate

National Center for Biotechnology Information: NCBI Protozoa genomes

Publication/s:

Aury JM *et. al.* , *Nature* , **444** , 171 (2006).

***Perkinsus marinus* ATCC 50983 (Prm)**

Taxonomy:

cellular organisms | Eukaryota | Alveolata | Perkinsea | Perkinsida | Perkinsidae | Perkinsus | Perkinsus marinus

Reference/s:

National Center for Biotechnology Information: NCBI Protozoa genomes

The Institute for Genomic Research: The Perkinsus marinus Genome Sequencing Project

***Entamoeba histolytica* HM-1:IMSS (Eh)**

Taxonomy:

cellular organisms | Eukaryota | Amoebozoa | Archamoebae | Entamoebidae | Entamoeba

Reference/s:

AmoebaDB: AmoebaDB

International Species Sequencing Consortium: Entamoeba histolytica Sequencing Consortium

National Center for Biotechnology Information: NCBI Protozoa genomes

The Institute for Genomic Research: Entamoeba histolytica Genome Project

The Wellcome Trust Sanger Institute: Entamoeba histolytica Whole Genome Shotgun

Publication/s:

Lorenzi HA *et. al.* , *PLoS Negl Trop Dis* , **4** , e716 (2010).

Loftus B *et. al.* , *Nature* , **2005** , 865 (2005).

***Entamoeba dispar* SAW760 (Ed)**

Taxonomy:

cellular organisms | Eukaryota | Amoebozoa | Archamoebae | Entamoebidae | Entamoeba | Entamoeba dispar

Reference/s:

AmoebaDB: AmoebaDB

National Center for Biotechnology Information: NCBI Protozoa genomes

***Entamoeba invadens* IPI (Eti)**

Taxonomy:

cellular organisms | Eukaryota | Amoebozoa | Archamoebae | Entamoebidae | Entamoeba | Entamoeba invadens

Reference/s:

AmoebaDB: AmoebaDB

GenBank - NIH genetic sequence database: GenBank species TBLASTN

National Center for Biotechnology Information: NCBI Protozoa genomes

Publication/s:

Wang Z *et. al.* , *Mol Biochem Parasitol* , **129** , 23 (2003).

***Acanthamoeba castellanii* (Ac)**

Taxonomy:

cellular organisms | Eukaryota | Amoebozoa | Centramoebida | Acanthamoebidae | Acanthamoeba

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS

Human Genome Sequencing Center at Baylor College of Medicine: Acanthamoeba castellanii Neff

TBestDB - Taxonomically Broad EST Database: Acanthamoeba castellanii

***Dictyostelium fasciculatum* (Dif)**

Taxonomy:

cellular organisms | Eukaryota | Amoebozoa | Mycetozoa | Dictyosteliida | Dictyostelium

Reference/s:

International Species Sequencing Consortium: Dictyostelium Sequencing Consortium

National Center for Biotechnology Information: NCBI Protozoa genomes

Publication/s:

Heidel AJ *et. al.* , *Genome Res* , **21** , 1882 (2011).

***Dictyostelium purpureum* (Dcp)**

Taxonomy:

cellular organisms | Eukaryota | Amoebozoa | Mycetozoa | Dictyosteliida | Dictyostelium

Reference/s:

DOE Joint Genome Institute: Dictyostelium purpureum

International Species Sequencing Consortium: Dictyostelium purpureum Sequencing Consortium

National Center for Biotechnology Information: NCBI Protozoa Genomes Project

dictyBase: Dictyostelium purpureum

Publication/s:

Sucgang R *et. al.* , *Genome Biol* , **12** , R20 (2011).

***Dictyostelium discoideum* AX4 (Dd)**

Taxonomy:

cellular organisms | Eukaryota | Amoebozoa | Mycetozoa | Dictyosteliida | Dictyostelium | Dictyostelium discoideum

Reference/s:

Dept. Genome Analysis, IMB Jena: Dictyostelium discoideum Genome Project

Dictyostelium cDNA Project: Dictyostelium cDNA Project

Human Genome Sequencing Center at Baylor College of Medicine: Functional Genomics of Dictyostelium

International Species Sequencing Consortium: Dictyostelium discoideum Sequencing Consortium

National Center for Biotechnology Information: NCBI Protozoa genomes

The Gene Index Project: DFCI Dictyostelium discoideum Gene Index

The Wellcome Trust Sanger Institute: The Dictyostelium discoideum Genome Project

dictyBase: Dictyostelium genome information, curated Dictyostelium literature

e! Ensembl: Dictyostelium discoideum

Publication/s:

Eichinger L *et. al.* , *Nature* , **435** , 43 (2005).

Urushihara H *et. al.* , *Nucleic Acids Res* , **32** , 1647 (2004).

Glockner G *et. al.* , *Nature* , **418** , 79 (2002).

Morio T *et. al.* , *DNA Res* , **5** , 335 (1998).

***Polysphondylium pallidum* (Ppp)**

Taxonomy:

cellular organisms | Eukaryota | Amoebozoa | Mycetozoa | Dictyosteliida | Polysphondylium

Reference/s:

International Species Sequencing Consortium: Polysphondylium Sequencing Consortium

National Center for Biotechnology Information: NCBI Protozoa genomes

TBestDB - Taxonomically Broad EST Database: Polysphondylium pallidum

Publication/s:

Heidel AJ *et. al.* , *Genome Res* , **21** , 1882 (2011).

***Thecamonas trahens* ATCC 50062 (Tct)**

Taxonomy:

cellular organisms | Eukaryota | Apusozoa | Apusomonadidae | Thecamonas | Thecamonas trahens

Reference/s:

Broad Institute of Harvard and MIT: Origins of Multicellularity Database

National Center for Biotechnology Information: NCBI Protozoa genomes

***Guillardia theta* (Gt)**

Taxonomy:

cellular organisms | Eukaryota | Cryptophyta | Pyrenomonadales | Geminigeraceae | Guillardia

Reference/s:

DOE Joint Genome Institute: Guillardia theta CCMP2712 v1.0

National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project

TBestDB - Taxonomically Broad EST Database: Guillardia theta

Publication/s:

Douglas S *et. al.* , *Nature* , **410** , 1091 (2001).

***Leishmania infantum* JPCM5 (Lei)**

Taxonomy:

cellular organisms | Eukaryota | Euglenozoa | Kinetoplastida | Trypanosomatidae | Leishmania | Leishmania | Leishmania donovani species complex | Leishmania infantum

Reference/s:

International Species Sequencing Consortium: Leishmania Species Sequencing Consortium

National Center for Biotechnology Information: NCBI Protozoa genomes

The Gene Index Project: DFCI Leishmania sp. Gene Index

The Wellcome Trust Sanger Institute: The Leishmania infantum Genome Project

TriTrypDB - The Kinetoplastid Genome Resource: TriTrypDB

Publication/s:

Peacock CS *et. al.* , *Nat Genet* , **39** , 839 (2007).

***Leishmania major* str. Friedlin (Lem)**

Taxonomy:

cellular organisms | Eukaryota | Euglenozoa | Kinetoplastida | Trypanosomatidae | Leishmania | Leishmania | Leishmania major species complex | Leishmania major

Reference/s:

International Species Sequencing Consortium: Leishmania major Sequencing Consortium

National Center for Biotechnology Information: NCBI Protozoa genomes

The Gene Index Project: DFCI Leishmania sp. Gene Index

The Wellcome Trust Sanger Institute: The Leishmania major Friedlin Genome Project

TriTrypDB - The Kinetoplastid Genome Resource: TriTrypDB

Publication/s:

El-Sayed NM *et. al.* , *Science* , **309** , 404 (2005).

Ivens AC *et. al.* , *Science* , **309** , 436 (2005).

***Leishmania braziliensis* (Lb)**

Taxonomy:

cellular organisms | Eukaryota | Euglenozoa | Kinetoplastida | Trypanosomatidae | Leishmania | Viannia | Leishmania braziliensis species complex

Reference/s:

International Species Sequencing Consortium: Leishmania Species Sequencing Consortium

National Center for Biotechnology Information: NCBI Protozoa genomes

The Wellcome Trust Sanger Institute: The Leishmania braziliensis Genome Project

TriTrypDB - The Kinetoplastid Genome Resource: TriTrypDB

Publication/s:

Peacock CS *et. al.* , *Nat Genet* , **39** , 839 (2007).

***Trypanosoma cruzi* CL Brener (Tre)**

Taxonomy:

cellular organisms | Eukaryota | Euglenozoa | Kinetoplastida | Trypanosomatidae | Trypanosoma | Schizotrypanum

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN
International Species Sequencing Consortium: Trypanosoma cruzi Sequencing Consortium
National Center for Biotechnology Information: NCBI Protozoa genomes
The Gene Index Project: DFCI Trypanosoma cruzi Gene Index
The Institute for Genomic Research: The Trypanosoma cruzi Genome Project
TriTrypDB - The Kinetoplastid Genome Resource: TriTrypDB
Publication/s:
El-Sayed NM *et. al.* , *Science* , **309** , 409 (2005).
El-Sayed NM *et. al.* , *Science* , **309** , 404 (2005).
Agüero F *et. al.* , *Mol Biochem Parasitol* , **136** , 221 (2004).
Porcel BM *et. al.* , *Genome Res* , **10** , 1103 (2000).

***Trypanosoma brucei brucei* strain 927/4 GUTat10.1 (Tb)**

Taxonomy:
cellular organisms | Eukaryota | Euglenozoa | Kinetoplastida | Trypanosomatidae | Trypanosoma | Trypanozoon | Trypanosoma brucei | Trypanosoma brucei brucei
Reference/s:
International Species Sequencing Consortium: Trypanosoma brucei Sequencing Consortium
National Center for Biotechnology Information: NCBI Protozoa genomes
The Gene Index Project: DFCI Trypanosoma brucei Gene Index
The Institute for Genomic Research: The TIGR Trypanosoma brucei Genome Project
The Wellcome Trust Sanger Institute: The Trypanosoma brucei Genome Project
TriTrypDB - The Kinetoplastid Genome Resource: TriTrypDB
Publication/s:
El-Sayed NM *et. al.* , *Science* , **309** , 404 (2005).
Berriman M *et. al.* , *Science* , **309** , 416 (2005).
Hall N *et. al.* , *Nucleic Acids Res* , **31** , 4864 (2003).
El-Sayed NM *et. al.* , *Nucleic Acids Res* , **31** , 4856 (2003).

***Giardia lamblia* ATCC 50803 (Gil)**

Taxonomy:
cellular organisms | Eukaryota | Fornicata | Diplomonadida | Hexamitidae | Giardiinae | Giardia | Giardia intestinalis
Reference/s:
GiardiaDB: The Giardia lamblia Genome Database
International Species Sequencing Consortium: Giardia lamblia Sequencing Consortium
National Center for Biotechnology Information: NCBI Protozoa genomes
Publication/s:
Morrison HG *et. al.* , *Science* , **317** , 1921 (2007).

***Cyanophora paradoxa* (Cyp)**

Taxonomy:
cellular organisms | Eukaryota | Glaucocystophyceae | Cyanophoraceae | Cyanophora
Reference/s:
Cyanophora Genome Project: Cyanophora Genome Project
TBestDB - Taxonomically Broad EST Database: Cyanophora paradoxa [Loeffelhardt lab]
TBestDB - Taxonomically Broad EST Database: Cyanophora paradoxa [Dumford lab]

***Emiliana huxleyi* CCMP1516 (Emh)**

Taxonomy:
cellular organisms | Eukaryota | Haptophyceae | Isochrysidales | Noelaerhabdaceae | Emiliana | Emiliana huxleyi
Reference/s:
DOE Joint Genome Institute: Emiliana huxleyi

***Naegleria gruberi* NEG-M (Ng)**

Taxonomy:
cellular organisms | Eukaryota | Heterolobosea | Schizopyrenida | Vahlkampfiidae | Naegleria
Reference/s:
DOE Joint Genome Institute: Naegleria gruberi
International Species Sequencing Consortium: Naegleria gruberi Sequencing Consortium
National Center for Biotechnology Information: NCBI Protozoa genomes
Publication/s:
Fritz-Laylin LK *et. al.* , *Cell* , **140** , 631 (2010).

***Monosiga ovata* (Mo)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Choanoflagellida | Codonosigidae | Monosiga
Reference/s:
TBestDB - Taxonomically Broad EST Database: Monosiga ovata

***Monosiga brevicollis* MX1 (Mb)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Choanoflagellida | Codonosigidae | Monosiga | Monosiga brevicollis
Reference/s:
Broad Institute of Harvard and MIT: Origins of Multicellularity Database
DOE Joint Genome Institute: Monosiga brevicollis
International Species Sequencing Consortium: Monosiga brevicollis Sequencing Consortium
National Center for Biotechnology Information: NCBI Protozoa genomes
Publication/s:
King N *et. al.* , *Nature* , **451** , 783 (2008).

***Proterospongia* sp. ATCC 50818 (Pro)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Choanoflagellida | Salpingoecidae | Salpingoeca
Reference/s:
Broad Institute of Harvard and MIT: Origins of Multicellularity Database
GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS

Allomyces macrogynus ATCC 38327 (Alm)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Blastocladiomycota | Blastocladiomycetes | Blastocladales | Blastocladiaceae | Allomyces | Allomyces macrogynus
Reference/s:
Broad Institute of Harvard and MIT: Origins of Multicellularity Database
GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS
TBestDB - Taxonomically Broad EST Database: Allomyces macrogynus

Blastocladiella emersonii (Be)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Blastocladiomycota | Blastocladiomycetes | Blastocladales | Blastocladiaceae | Blastocladiella
Reference/s:
GenBank - NIH genetic sequence database: GenBank species TBLASTN
Publication/s:
Ribichich KF *et. al.* , *Eukaryot Cell* , **4** , 455 (2005).

Batrachochytrium dendrobatidis JEL423 (Bad_a)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Chytridiomycota | Chytridiomycetes | Rhizophydiales | Rhizophydiales incertae sedis | Batrachochytrium | Batrachochytrium dendrobatidis
Reference/s:
Broad Institute of Harvard and MIT: Batrachochytrium dendrobatidis Database
GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS
TBestDB - Taxonomically Broad EST Database: Batrachochytrium dendrobatidis

Batrachochytrium dendrobatidis JAM81 (Bad_b)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Chytridiomycota | Chytridiomycetes | Rhizophydiales | Rhizophydiales incertae sedis | Batrachochytrium | Batrachochytrium dendrobatidis
Reference/s:
DOE Joint Genome Institute: Batrachochytrium dendrobatidis
GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS

Spizellomyces punctatus DAOM BR117 (Spp)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Chytridiomycota | Chytridiomycetes | Spizellomycetales | Spizellomycetaceae | Spizellomyces | Spizellomyces punctatus
Reference/s:
Broad Institute of Harvard and MIT: Origins of Multicellularity Database
GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS
TBestDB - Taxonomically Broad EST Database: Spizellomyces punctatus

Pneumocystis carinii (Puc)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | Taphrinomycotina | Pneumocystidomycetes | Pneumocystidales | Pneumocystidaceae | Pneumocystis

Schizosaccharomyces cryophilus NRRL Y-48691 (Shc)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | Taphrinomycotina | Schizosaccharomycetes | Schizosaccharomycetales | Schizosaccharomycetaceae | Schizosaccharomyces | Schizosaccharomyces cryophilus
Reference/s:
International Species Sequencing Consortium: Fission yeast Sequencing Consortium
National Center for Biotechnology Information: NCBI Fungi Genomes Project
Publication/s:
Rhind N *et. al.* , *Science* , **332** , 930 (2011).

Schizosaccharomyces japonicus yFS275 (Sj)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | Taphrinomycotina | Schizosaccharomycetes | Schizosaccharomycetales | Schizosaccharomycetaceae | Schizosaccharomyces | Schizosaccharomyces japonicus
Reference/s:
Broad Institute of Harvard and MIT: Schizosaccharomyces group Database
International Species Sequencing Consortium: Fission yeast Sequencing Consortium
National Center for Biotechnology Information: NCBI Fungi Genomes Project
Publication/s:
Rhind N *et. al.* , *Science* , **332** , 930 (2011).

Schizosaccharomyces octosporus yFS286 (Sho)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | Taphrinomycotina | Schizosaccharomycetes | Schizosaccharomycetales | Schizosaccharomycetaceae | Schizosaccharomyces | Schizosaccharomyces octosporus
Reference/s:
Broad Institute of Harvard and MIT: Schizosaccharomyces group Database

International Species Sequencing Consortium: Fission yeast Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Rhind N *et. al.* , *Science* , **332** , 930 (2011).

Schizosaccharomyces pombe 972h- (Sp)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | Taphrinomycotina | Schizosaccharomycetes | Schizosaccharomycetales |

Schizosaccharomycetaceae | Schizosaccharomyces | Schizosaccharomyces pombe

Reference/s:

Ashbya Genome Database: Ashbya Genome Database

GenBank - NIH genetic sequence database: GenBank species TBLASTN

International Species Sequencing Consortium: Schizosaccharomyces pombe Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

National Center for Biotechnology Information Reference Sequences: Schizosaccharomyces pombe (fission yeast) genome view

The Gene Index Project: DFCI Schizosaccharomyces pombe Gene Index

The Wellcome Trust Sanger Institute: Schizosaccharomyces pombe Genome Project

e! Ensembl: Schizosaccharomyces pombe

Publication/s:

Kupfer DM *et. al.* , *Eukaryot Cell* , **3** , 1088 (2004).

Wood V *et. al.* , *Nature* , **415** , 871 (2002).

Tuber melanosporum Mel28 (Tum)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | Pezizomycetes | Pezizales | Tuberaceae | Tuber | Tuber

melanosporum

Reference/s:

Genoscope: The Black Truffle of Perigord

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Martin F *et. al.* , *Nature* , **464** , 1033 (2010).

Emericella nidulans FGSC A4 (En)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae |

Eurotiales | Trichocomaceae | Emericella | Emericella nidulans | mitosporic Emericella nidulans

Reference/s:

Broad Institute of Harvard and MIT: Aspergillus Comparative Database

Central Aspergillus Data REpository (CADRE): A. nidulans Genome

GenBank - NIH genetic sequence database: GenBank species TBLASTN

International Species Sequencing Consortium: Emericella nidulans Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

The Aspergillus Website: Aspergillus nidulans Genome

The Gene Index Project: DFCI Aspergillus nidulans Gene Index

e! Ensembl: Aspergillus nidulans

Publication/s:

Galagan JE *et. al.* , *Nature* , **438** , 1105 (2005).

Kupfer DM *et. al.* , *Eukaryot Cell* , **3** , 1088 (2004).

Neosartorya fischeri NRRL 181 (Nef)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae |

Eurotiales | Trichocomaceae | Neosartorya | Neosartorya fischeri group | Neosartorya fischeri

Reference/s:

Central Aspergillus Data REpository (CADRE): N. fischeri Genome

International Species Sequencing Consortium: Aspergillus Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

The Aspergillus Website: Neosartorya fischeri / Aspergillus fischerianus

The Institute for Genomic Research: Neosartorya fischeri Genome Project

e! Ensembl: Neosartorya fischeri

Publication/s:

Fedorova ND *et. al.* , *PLoS Genet* , **4** , e1000046 (2008).

Talaromyces stipitatus ATCC 10500 (Tls)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae |

Eurotiales | Trichocomaceae | Talaromyces | Talaromyces stipitatus

Reference/s:

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Aspergillus aculeatus ATCC16872 (Apa)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae |

Eurotiales | Trichocomaceae | mitosporic Trichocomaceae | Aspergillus | Aspergillus aculeatus

Reference/s:

DOE Joint Genome Institute: Aspergillus aculeatus ATCC16872 v1.1

Aspergillus carbonarius ITEM 5010 (Aec)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae |

Eurotiales | Trichocomaceae | mitosporic Trichocomaceae | Aspergillus | Aspergillus carbonarius

Reference/s:

DOE Joint Genome Institute: Aspergillus carbonarius ITEM 5010 v3

DOE Joint Genome Institute: Aspergillus carbonarius

***Aspergillus clavatus* NRRL 1 (Asc)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae |

Eurotiales | Trichocomaceae | mitosporic Trichocomaceae | Aspergillus | Aspergillus clavatus

Reference/s:

Central Aspergillus Data REpository (CADRE): A. clavatus Genome

International Species Sequencing Consortium: Aspergillus Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

The Aspergillus Website: Aspergillus clavatus Genome

The Institute for Genomic Research: Aspergillus clavatus Genome Project

e! Ensembl: Aspergillus clavatus

Publication/s:

Fedorova ND *et. al.* , *PLoS Genet* , **4** , e1000046 (2008).

***Aspergillus flavus* NRRL3357 (Af)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae |

Eurotiales | Trichocomaceae | mitosporic Trichocomaceae | Aspergillus | Aspergillus flavus

Reference/s:

Center for Integrated Fungal Research: Aspergillus flavus and aflatoxin

Central Aspergillus Data REpository (CADRE): A. flavus Genome

GenBank - NIH genetic sequence database: GenBank species TBLASTN

National Center for Biotechnology Information: NCBI Fungi Genomes Project

The Aspergillus Website: Aspergillus flavus Genome

The Gene Index Project: DFCI Aspergillus flavus Gene Index

e! Ensembl: Aspergillus flavus

Publication/s:

Yu J *et. al.* , *FEMS Microbiol Lett* , **237** , 333 (2004).

***Aspergillus fumigatus* Af293 (Asf_a)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae |

Eurotiales | Trichocomaceae | mitosporic Trichocomaceae | Aspergillus | Aspergillus fumigatus

Reference/s:

Central Aspergillus Data REpository (CADRE): A. fumigatus Genome

International Species Sequencing Consortium: Aspergillus fumigatus Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

The Aspergillus Website: Aspergillus fumigatus AF293 Genomme

The Institute for Genomic Research: Aspergillus fumigatus Genome Project

The Wellcome Trust Sanger Institute: Aspergillus fumigatus Genome Project

e! Ensembl: Aspergillus fumigatus Af293

Publication/s:

Nierman WC *et. al.* , *Nature* , **438** , 1151 (2005).

***Aspergillus fumigatus* A1163 (Asf_b)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae |

Eurotiales | Trichocomaceae | mitosporic Trichocomaceae | Aspergillus | Aspergillus fumigatus

Reference/s:

Central Aspergillus Data REpository (CADRE): A. fumigatus (A1163) Genome

International Species Sequencing Consortium: Aspergillus fumigatus Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

The Aspergillus Website: Aspergillus fumigatus A1163 Genome

e! Ensembl: Aspergillus fumigatus A1163

Publication/s:

Fedorova ND *et. al.* , *PLoS Genet* , **4** , e1000046 (2008).

***Aspergillus niger* ATCC 1015 (An_a)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae |

Eurotiales | Trichocomaceae | mitosporic Trichocomaceae | Aspergillus | Aspergillus niger

Reference/s:

DOE Joint Genome Institute: Aspergillus niger v3.0

DOE Joint Genome Institute: Aspergillus niger

Fungal Genomics Project: Aspergillus niger

International Species Sequencing Consortium: Aspergillus niger Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

The Aspergillus Website: Aspergillus niger Genome

Publication/s:

Andersen MR *et. al.* , *Genome Res* , **21** , 885 (2011).

***Aspergillus niger* CBS 513.88 (An_b)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae |

Eurotiales | Trichocomaceae | mitosporic Trichocomaceae | Aspergillus | Aspergillus niger

Reference/s:

Central Aspergillus Data REpository (CADRE): A. niger Genome

International Species Sequencing Consortium: Aspergillus niger Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

e! Ensembl: Aspergillus niger

Publication/s:

Pel HJ *et. al.* , *Nat Biotechnol* , **25** , 221 (2007).

Aspergillus oryzae RIB40 (Ao)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae |

Eurotiales | Trichocomaceae | mitosporic Trichocomaceae | Aspergillus | Aspergillus oryzae

Reference/s:

Central Aspergillus Data REpository (CADRE): Aspergillus oryzae Genome

Database of the Genomes Analyzed at NITE: Aspergillus oryzae RIB40

GenBank - NIH genetic sequence database: GenBank species TBLASTN NR

The Aspergillus Website: Aspergillus oryzae Genome

e! Ensembl: Aspergillus oryzae

Publication/s:

Machida M *et. al.* , *Nature* , **438** , 1157 (2005).

Aspergillus terreus NIH2624 (Ast)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae |

Eurotiales | Trichocomaceae | mitosporic Trichocomaceae | Aspergillus | Aspergillus terreus

Reference/s:

Broad Institute of Harvard and MIT: Aspergillus Comparative Database

Central Aspergillus Data REpository (CADRE): A. terreus Genome

National Center for Biotechnology Information: NCBI Fungi Genomes Project

The Aspergillus Website: Aspergillus terreus Genome

e! Ensembl: Aspergillus terreus

Penicillium chrysogenum Wisconsin 54-1255 (Pch)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae |

Eurotiales | Trichocomaceae | mitosporic Trichocomaceae | Penicillium | Penicillium chrysogenum complex | Penicillium chrysogenum

Reference/s:

International Species Sequencing Consortium: Penicillium chrysogenum Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

van den Berg MA *et. al.* , *Nat Biotechnol* , **26** , 1161 (2008).

Penicillium marneffei ATCC 18224 (Pcm)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae |

Eurotiales | Trichocomaceae | mitosporic Trichocomaceae | Penicillium | Penicillium mameffei

Reference/s:

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Ajellomyces capsulatus NAmI WU24 (Ajc_c)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae |

Onygenales | Ajellomycetaceae | Ajellomyces

Reference/s:

Broad Institute of Harvard and MIT: Histoplasma capsulatum Database

International Species Sequencing Consortium: Histoplasma Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Sharpton TJ *et. al.* , *Genome Res* , **19** , 1722 (2009).

Ajellomyces capsulatus NAmII G217B (Ajc_b)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae |

Onygenales | Ajellomycetaceae | Ajellomyces

Reference/s:

National Center for Biotechnology Information: NCBI Fungi Genomes Project

The Genome Sequencing Center at Washington University: Histoplasma capsulatum Sequencing

Ajellomyces capsulatus NAmII G186AR (Ajc_a)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae |

Onygenales | Ajellomycetaceae | Ajellomyces

Reference/s:

Broad Institute of Harvard and MIT: Histoplasma capsulatum Database

National Center for Biotechnology Information: NCBI Fungi Genomes Project

The Genome Sequencing Center at Washington University: Histoplasma capsulatum Sequencing

Ajellomyces capsulatus H143 (Ajc_e)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae | Onygenales | Ajellomycetaceae | Ajellomyces | Ajellomyces capsulatus

Reference/s:

Broad Institute of Harvard and MIT: Histoplasma capsulatum Database

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Ajellomyces capsulatus H88 (Ajc_d)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae | Onygenales | Ajellomycetaceae | Ajellomyces | Ajellomyces capsulatus

Reference/s:

Broad Institute of Harvard and MIT: Histoplasma capsulatum Database

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Ajellomyces dermatitidis ER-3 (Ajd_a)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae | Onygenales | Ajellomycetaceae | Ajellomyces | Ajellomyces dermatitidis

Reference/s:

Broad Institute of Harvard and MIT: Blastomyces dermatitidis Database

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Ajellomyces dermatitidis ATCC 18188 (Ajd_c)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae | Onygenales | Ajellomycetaceae | Ajellomyces | Ajellomyces dermatitidis

Reference/s:

Broad Institute of Harvard and MIT: Blastomyces dermatitidis Database

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Ajellomyces dermatitidis SLH14081 (Ajd_b)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae | Onygenales | Ajellomycetaceae | Ajellomyces | Ajellomyces dermatitidis

Reference/s:

Broad Institute of Harvard and MIT: Blastomyces dermatitidis Database

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Ajellomyces dermatitidis ATCC 26199 (Ajd_d)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae | Onygenales | Ajellomycetaceae | Ajellomyces | Ajellomyces dermatitidis

Reference/s:

Broad Institute of Harvard and MIT: Blastomyces dermatitidis Database

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Arthroderma benhamiae CBS 112371 (Arb)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae | Onygenales | Arthrodermataceae | Arthroderma | Arthroderma benhamiae

Reference/s:

Broad Institute of Harvard and MIT: Dermatophyte Comparative Database

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Arthroderma gypseum CBS 118893 (Arg)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae | Onygenales | Arthrodermataceae | Arthroderma | Arthroderma gypseum

Reference/s:

Broad Institute of Harvard and MIT: Dermatophyte Comparative Database

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Arthroderma otae CBS 113480 (Aro)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae | Onygenales | Arthrodermataceae | Arthroderma | Arthroderma otae

Reference/s:

Broad Institute of Harvard and MIT: Dermatophyte Comparative Database

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Trichophyton equinum CBS 127.97 (Te)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae | Onygenales | Arthrodermataceae | mitosporic Arthrodermataceae | Trichophyton | Trichophyton equinum

Reference/s:

Broad Institute of Harvard and MIT: Dermatophyte Comparative Database

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Trichophyton rubrum CBS 118892 (Trr)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae | Onygenales | Arthrodermataceae | mitosporic Arthrodermataceae | Trichophyton | Trichophyton rubrum

Reference/s:

Broad Institute of Harvard and MIT: Dermatophyte Comparative Database

GenBank - NIH genetic sequence database: GenBank species TBLASTN

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Wang L *et. al.* , *BMC Genomics* , **7** , 255 (2006).

***Trichophyton tonsurans* CBS 112818 (Trt)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae | Onygenales | Arthrodermataceae | mitosporic Arthrodermataceae | Trichophyton | Trichophyton tonsurans

Reference/s:

Broad Institute of Harvard and MIT: Dermatophyte Comparative Database

National Center for Biotechnology Information: NCBI Fungi Genomes Project

***Trichophyton verrucosum* HKI 0517 (Thv)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae | Onygenales | Arthrodermataceae | mitosporic Arthrodermataceae | Trichophyton | Trichophyton verrucosum

Reference/s:

Broad Institute of Harvard and MIT: Dermatophyte Comparative Database

National Center for Biotechnology Information: NCBI Fungi Genomes Project

***Ascosphaera apis* USDA-ARSEF 7405 (Asa)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae | Onygenales | Ascosphaeraceae | Ascosphaera | Ascosphaera apis

Reference/s:

Human Genome Sequencing Center at Baylor College of Medicine: Ascosphaera apis

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Qin X *et. al.* , *Insect Mol Biol* , **15** , 715 (2006).

***Uncinocarpus reesii* 1704 (Ur)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae | Onygenales | Onygenaceae | Uncinocarpus | Uncinocarpus reesii

Reference/s:

Broad Institute of Harvard and MIT: Uncinocarpus reesii Sequencing Project

International Species Sequencing Consortium: Coccidioides Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Sharpton TJ *et. al.* , *Genome Res* , **19** , 1722 (2009).

***Coccidioides posadasii* C735 (Cop_a)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae | Onygenales | mitosporic Onygenales | Coccidioides

Reference/s:

International Species Sequencing Consortium: Coccidioides Sequencing Consortium

The Gene Index Project: DFCI Coccidioides posadasii Gene Index

The Institute for Genomic Research: Coccidioides posadasii Genome Project

Publication/s:

Neafsey DE *et. al.* , *Genome Res* , **20** , 938 (2010).

Sharpton TJ *et. al.* , *Genome Res* , **19** , 1722 (2009).

***Coccidioides immitis* H538.4 (Coi_b)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae | Onygenales | mitosporic Onygenales | Coccidioides | Coccidioides immitis

Reference/s:

Broad Institute of Harvard and MIT: Coccidioides group Database

International Species Sequencing Consortium: Coccidioides Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Neafsey DE *et. al.* , *Genome Res* , **20** , 938 (2010).

***Coccidioides immitis* RS (Coi_a)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae | Onygenales | mitosporic Onygenales | Coccidioides | Coccidioides immitis

Reference/s:

Broad Institute of Harvard and MIT: Coccidioides group Database

International Species Sequencing Consortium: Coccidioides Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Neafsey DE *et. al.* , *Genome Res* , **20** , 938 (2010).

Sharpton TJ *et. al.* , *Genome Res* , **19** , 1722 (2009).

***Coccidioides immitis* RMSCC 3703 (Coi_d)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae | Onygenales | mitosporic Onygenales | Coccidioides | Coccidioides immitis
Reference/s:
Broad Institute of Harvard and MIT: Coccidioides group Database
International Species Sequencing Consortium: Coccidioides Sequencing Consortium
National Center for Biotechnology Information: NCBI Fungi Genomes Project
Publication/s:
Neafsey DE *et. al.* , *Genome Res* , **20** , 938 (2010).

***Coccidioides immitis* RMSCC 2394 (Coi_c)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae | Onygenales | mitosporic Onygenales | Coccidioides | Coccidioides immitis
Reference/s:
Broad Institute of Harvard and MIT: Coccidioides group Database
International Species Sequencing Consortium: Coccidioides Sequencing Consortium
National Center for Biotechnology Information: NCBI Fungi Genomes Project
Publication/s:
Neafsey DE *et. al.* , *Genome Res* , **20** , 938 (2010).

***Coccidioides posadasii* RMSCC 3488 (Cop_c)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae | Onygenales | mitosporic Onygenales | Coccidioides | Coccidioides posadasii
Reference/s:
Broad Institute of Harvard and MIT: Coccidioides group Database
International Species Sequencing Consortium: Coccidioides Sequencing Consortium
National Center for Biotechnology Information: NCBI Fungi Genomes Project
Publication/s:
Neafsey DE *et. al.* , *Genome Res* , **20** , 938 (2010).

***Coccidioides posadasii* CPA 0066 (Cop_k)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae | Onygenales | mitosporic Onygenales | Coccidioides | Coccidioides posadasii
Reference/s:
Broad Institute of Harvard and MIT: Coccidioides group Database
International Species Sequencing Consortium: Coccidioides Sequencing Consortium
National Center for Biotechnology Information: NCBI Fungi Genomes Project
Publication/s:
Neafsey DE *et. al.* , *Genome Res* , **20** , 938 (2010).

***Coccidioides posadasii* str. *Silveira* (Cop_b)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae | Onygenales | mitosporic Onygenales | Coccidioides | Coccidioides posadasii
Reference/s:
Broad Institute of Harvard and MIT: Coccidioides group Database
International Species Sequencing Consortium: Coccidioides Sequencing Consortium
National Center for Biotechnology Information: NCBI Fungi Genomes Project
Publication/s:
Neafsey DE *et. al.* , *Genome Res* , **20** , 938 (2010).

***Paracoccidioides brasiliensis* Pb03 (Pab_a)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae | Onygenales | mitosporic Onygenales | Paracoccidioides | Paracoccidioides brasiliensis
Reference/s:
Broad Institute of Harvard and MIT: Paracoccidioides brasiliensis Database
GenBank - NIH genetic sequence database: GenBank species TBLASTN
International Species Sequencing Consortium: Paracoccidioides Sequencing Consortium
National Center for Biotechnology Information: NCBI Fungi Genomes Project
Publication/s:
Desjardins CA *et. al.* , *PLoS Genet* , **7** , e1002345 (2011).
Felipe MS *et. al.* , *J Biol Chem* , **280** , 24706 (2005).

***Paracoccidioides brasiliensis* Pb01 (Pab_b)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae | Onygenales | mitosporic Onygenales | Paracoccidioides | Paracoccidioides brasiliensis
Reference/s:
Broad Institute of Harvard and MIT: Paracoccidioides brasiliensis Database
GenBank - NIH genetic sequence database: GenBank species TBLASTN
International Species Sequencing Consortium: Paracoccidioides Sequencing Consortium
National Center for Biotechnology Information: NCBI Fungi Genomes Project
Publication/s:
Desjardins CA *et. al.* , *PLoS Genet* , **7** , e1002345 (2011).

Paracoccidioides brasiliensis Pb18 (Pab_c)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | Eurotiomycetes | Eurotiomycetidae | Onygenales | mitosporic Onygenales | Paracoccidioides | Paracoccidioides brasiliensis
Reference/s:
Broad Institute of Harvard and MIT: Paracoccidioides brasiliensis Database
GenBank - NIH genetic sequence database: GenBank species TBLASTN
International Species Sequencing Consortium: Paracoccidioides Sequencing Consortium
National Center for Biotechnology Information: NCBI Fungi Genomes Project
Publication/s:
Desjardins CA *et. al.* , *PLoS Genet* , **7** , e1002345 (2011).

Mycosphaerella fijiensis (Myf)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | dothideomyceta | Dothideomycetes | Dothideomycetidae | Capnodiales | Mycosphaerellaceae | Mycosphaerella
Reference/s:
DOE Joint Genome Institute: Mycosphaerella fijiensis v2.0
DOE Joint Genome Institute: Mycosphaerella fijiensis

Mycosphaerella pini NZE10 (Mcp)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | dothideomyceta | Dothideomycetes | Dothideomycetidae | Capnodiales | Mycosphaerellaceae | Mycosphaerella
Reference/s:
DOE Joint Genome Institute: Dothistroma septosporum NZE10 v1.0

Mycosphaerella populorum SO2202 (Msp)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | dothideomyceta | Dothideomycetes | Dothideomycetidae | Capnodiales | Mycosphaerellaceae | Mycosphaerella | Mycosphaerella populorum
Reference/s:
DOE Joint Genome Institute: Septoria musiva SO2202 v1.0

Mycosphaerella graminicola IPO323 (Mg)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | dothideomyceta | Dothideomycetes | Dothideomycetidae | Capnodiales | Mycosphaerellaceae | Zymoseptoria | Zymoseptoria tritici
Reference/s:
DOE Joint Genome Institute: Mycosphaerella graminicola
DOE Joint Genome Institute: Mycosphaerella graminicola v2.0
GenBank - NIH genetic sequence database: GenBank species TBLASTN
International Species Sequencing Consortium: Mycosphaerella Sequencing Consortium
International Species Sequencing Consortium: Mycosphaerella graminicola Sequencing Consortium
National Center for Biotechnology Information: NCBI Fungi Genomes Project
Publication/s:
Goodwin SB *et. al.* , *PLoS Genet* , **7** , e1002070 (2011).
Stukenbrock EH *et. al.* , *PLoS Genet* , **6** , e1001189 (2010).
Keon J *et. al.* , *Fungal Genet Biol* , **42** , 376 (2005).

Aureobasidium pullulans (Aup)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | dothideomyceta | Dothideomycetes | Dothideomycetidae | Dothideales | Dothioraceae | mitosporic Dothioraceae | Aureobasidium
Reference/s:
Fungal Genomics Project: Aureobasidium pullulans

Phaeosphaeria nodorum SN15 (Pn)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | dothideomyceta | Dothideomycetes | Pleosporomycetidae | Pleosporales | Pleosporineae | Phaeosphaeriaceae | Phaeosphaeria | Phaeosphaeria nodorum
Reference/s:
Broad Institute of Harvard and MIT: Stagonospora nodorum Database
DOE Joint Genome Institute: Stagonospora nodorum SN15
International Species Sequencing Consortium: Stagonospora Sequencing Consortium
National Center for Biotechnology Information: NCBI Fungi Genomes Project
Publication/s:
Hane JK *et. al.* , *Plant Cell* , **19** , 3347 (2007).

Cochliobolus heterostrophus C5 (Coh)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | dothideomyceta | Dothideomycetes | Pleosporomycetidae | Pleosporales | Pleosporineae | Pleosporaceae | Cochliobolus | Cochliobolus heterostrophus
Reference/s:
DOE Joint Genome Institute: Cochliobolus heterostrophus C5 v2.0
DOE Joint Genome Institute: Cochliobolus heterostrophus

Pyrenophora teres f. teres 0-1 (Pyt)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | dothideomyceta | Dothideomycetes |

Pleosporomycetidae | Pleosporales | Pleosporineae | Pleosporaceae | Pyrenophora | Pyrenophora teres | Pyrenophora teres f. teres

Reference/s:

International Species Sequencing Consortium: Pyrenophora Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Ellwood SR *et. al.* , *Genome Biol* , **11** , R109 (2010).

Pyrenophora tritici-repentis Pt-1C-BFP (Ptr)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | dothideomyceta | Dothideomycetes |

Pleosporomycetidae | Pleosporales | Pleosporineae | Pleosporaceae | Pyrenophora | Pyrenophora tritici-repentis

Reference/s:

Broad Institute of Harvard and MIT: Pyrenophora tritici-repentis Database

DOE Joint Genome Institute: Pyrenophora tritici-repentis

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Alternaria brassicicola ATCC 96866 (Alb)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | dothideomyceta | Dothideomycetes |

Pleosporomycetidae | Pleosporales | Pleosporineae | Pleosporaceae | mitosporic Pleosporaceae | Alternaria

Reference/s:

DOE Joint Genome Institute: Alternaria brassicicola

National Center for Biotechnology Information: NCBI Fungi Genomes Project

The Genome Sequencing Center at Washington University: Alternaria brassicicola

Blumeria graminis f. sp. hordei DH14 (Bg)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | sordariomyceta | Leotiomycetes |

Erysiphales | Erysiphaceae | Blumeria | Blumeria graminis | Blumeria graminis f. sp. hordei

Reference/s:

International Species Sequencing Consortium: Blumeria graminis Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Spanu PD *et. al.* , *Science* , **330** , 1543 (2010).

Botryotinia fuckeliana B05.10 (Bof)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | sordariomyceta | Leotiomycetes | Helotiales |

Sclerotiniaceae | Botryotinia | Botryotinia fuckeliana

Reference/s:

Broad Institute of Harvard and MIT: Botrytis cinerea Database

International Species Sequencing Consortium: Botrytis cinerea Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Amselem J *et. al.* , *PLoS Genet* , **7** , e1002230 (2011).

Sclerotinia sclerotiorum 1980 (Scs)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | sordariomyceta | Leotiomycetes | Helotiales |

Sclerotiniaceae | Sclerotinia | Sclerotinia sclerotiorum

Reference/s:

Broad Institute of Harvard and MIT: Sclerotinia sclerotiorum Sequencing Project

GenBank - NIH genetic sequence database: GenBank species TBLASTN

International Species Sequencing Consortium: Sclerotinia sclerotiorum Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Amselem J *et. al.* , *PLoS Genet* , **7** , e1002230 (2011).

Li R *et. al.* , *Fungal Genet Biol* , **41** , 735 (2004).

Geomyces pannorum (Gep)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | sordariomyceta | Leotiomycetes |

Leotiomycetes incertae sedis | Myxotrichaceae | mitosporic Myxotrichaceae | Geomyces

Reference/s:

Fungal Genomics Project: Geomyces pannorum

Geomyces destructans 20631-21 (Ged)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | sordariomyceta | Leotiomycetes |

Leotiomycetes incertae sedis | Myxotrichaceae | mitosporic Myxotrichaceae | Geomyces | Geomyces destructans

Reference/s:

Broad Institute of Harvard and MIT: Geomyces destructans Database

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Glomerella graminicola (Glg)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | sordariomyceta | Sordariomycetes |

Hypocreomycetidae | Glomerellales | Glomerellaceae | Glomerella

Reference/s:

Broad Institute of Harvard and MIT: Colletotrichum graminicola Database

***Verticillium albo-atrum* VaMs.102 (Va)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | sordariomyceta | Sordariomycetes | Hypocreomycetidae | Glomerellales | Plectosphaerellaceae | mitosporic Plectosphaerellaceae | Verticillium | Verticillium albo-atrum
Reference/s:
Broad Institute of Harvard and MIT: Verticillium group Database
National Center for Biotechnology Information: NCBI Fungi Genomes Project

***Verticillium dahliae* VdLs.17 (Vd)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | sordariomyceta | Sordariomycetes | Hypocreomycetidae | Glomerellales | Plectosphaerellaceae | mitosporic Plectosphaerellaceae | Verticillium | Verticillium dahliae
Reference/s:
Broad Institute of Harvard and MIT: Verticillium group Database
National Center for Biotechnology Information: NCBI Fungi Genomes Project

***Epichloe festucae* E2368 (Ecf)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | sordariomyceta | Sordariomycetes | Hypocreomycetidae | Hypocreales | Clavicipitaceae | Epichloe | Epichloe festucae
Reference/s:
National Center for Biotechnology Information: NCBI Fungi Genomes Project
University of Oklahoma's Advanced Center for Genome Technology: P. omnivora and E. festucae Genomic Sequencing

***Metarhizium anisopliae* ARSEF 23 (Mra)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | sordariomyceta | Sordariomycetes | Hypocreomycetidae | Hypocreales | Clavicipitaceae | mitosporic Clavicipitaceae | Metarhizium | Metarhizium anisopliae
Reference/s:
International Species Sequencing Consortium: Metarhizium Sequencing Consortium
National Center for Biotechnology Information: NCBI Fungi Genomes Project
Publication/s:
Gao Q *et. al.* , *PLoS Genet* , **7** , e1001264 (2011).

***Cordyceps bassiana* (Cob)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | sordariomyceta | Sordariomycetes | Hypocreomycetidae | Hypocreales | Cordycipitaceae | Cordyceps

***Hypocrea virens* Gv29-8 (Hpv)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | sordariomyceta | Sordariomycetes | Hypocreomycetidae | Hypocreales | Hypocreaceae | Hypocrea
Reference/s:
DOE Joint Genome Institute: Trichoderma virens
DOE Joint Genome Institute: Trichoderma virens Gv29-8 v2.0
International Species Sequencing Consortium: Trichoderma Sequencing Consortium
National Center for Biotechnology Information: NCBI Fungi Genomes Project
Publication/s:
Kubicek CP *et. al.* , *Genome Biol* , **12** , R40 (2011).

***Hypocrea jecorina* QM6a (Hj)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | sordariomyceta | Sordariomycetes | Hypocreomycetidae | Hypocreales | Hypocreaceae | Hypocrea | Hypocrea jecorina
Reference/s:
DOE Joint Genome Institute: Trichoderma reesei
GenBank - NIH genetic sequence database: GenBank species TBLASTN
International Species Sequencing Consortium: Hypocrea jecorina Sequencing Consortium
National Center for Biotechnology Information: NCBI Fungi Genomes Project
Publication/s:
Martinez D *et. al.* , *Nat Biotechnol* , **26** , 553 (2008).
Diener SE *et. al.* , *FEMS Microbiol Lett* , **230** , 275 (2004).
Foreman PK *et. al.* , *J Biol Chem* , **278** , 31988 (2003).

***Trichoderma asperellum* CECT 20268 (Tca_a)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | sordariomyceta | Sordariomycetes | Hypocreomycetidae | Hypocreales | Hypocreaceae | Hypocrea | mitosporic Hypocrea | Trichoderma

***Trichoderma atroviride* IMI 206040 (Tra)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | sordariomyceta | Sordariomycetes | Hypocreomycetidae | Hypocreales | Hypocreaceae | Hypocrea | mitosporic Hypocrea | Trichoderma | Trichoderma atroviride
Reference/s:
DOE Joint Genome Institute: Trichoderma atroviride
DOE Joint Genome Institute: Trichoderma atroviride v2.0
International Species Sequencing Consortium: Trichoderma Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Kubicek CP *et. al.* , *Genome Biol* , **12** , R40 (2011).

***Gibberella moniliformis* 7600 (Gim)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | sordariomyceta | Sordariomycetes | Hypocreomycetidae | Hypocreales | Nectriaceae | Gibberella | Gibberella moniliformis

Reference/s:

Broad Institute of Harvard and MIT: Fusarium Comparative Database

GenBank - NIH genetic sequence database: GenBank species TBLASTN

International Species Sequencing Consortium: Fusarium Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

The Gene Index Project: DFCI Fusarium verticillioides Gene Index

Publication/s:

Ma LJ *et. al.* , *Nature* , **464** , 367 (2010).

Brown DW *et. al.* , *Fungal Genet Biol* , **42** , 848 (2005).

***Gibberella zeae* PH-1 (Gz)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | sordariomyceta | Sordariomycetes | Hypocreomycetidae | Hypocreales | Nectriaceae | Gibberella | Gibberella zeae

Reference/s:

Broad Institute of Harvard and MIT: Fusarium Comparative Database

International Species Sequencing Consortium: Fusarium graminearum Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Cuomo CA *et. al.* , *Science* , **317** , 1400 (2007).

***Nectria haematococca* MPVI (Nh)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | sordariomyceta | Sordariomycetes | Hypocreomycetidae | Hypocreales | Nectriaceae | Nectria | Nectria haematococca complex | Nectria haematococca

Reference/s:

DOE Joint Genome Institute: Nectria haematococca v2.0

DOE Joint Genome Institute: Nectria haematococca

International Species Sequencing Consortium: Nectria haematococca Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Coleman JJ *et. al.* , *PLoS Genet* , **5** , e1000618 (2009).

***Fusarium sporotrichioides* (Fus)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | sordariomyceta | Sordariomycetes | Hypocreomycetidae | Hypocreales | mitosporic Hypocreales | Fusarium

***Fusarium oxysporum* f. sp. *lycopersici* 4287 (Fo)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | sordariomyceta | Sordariomycetes | Hypocreomycetidae | Hypocreales | mitosporic Hypocreales | Fusarium | Fusarium oxysporum species complex | Fusarium oxysporum | Fusarium oxysporum f. sp. lycopersici

Reference/s:

Broad Institute of Harvard and MIT: Fusarium Comparative Database

International Species Sequencing Consortium: Fusarium Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Ma LJ *et. al.* , *Nature* , **464** , 367 (2010).

***Cryphonectria parasitica* (Crp)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | sordariomyceta | Sordariomycetes | Sordariomycetidae | Diaporthales | Cryphonectriaceae | Cryphonectria-Endothia complex | Cryphonectria

Reference/s:

DOE Joint Genome Institute: Cryphonectria parasitica EP155 v2.0

DOE Joint Genome Institute: Cryphonectria parasitica

***Gaeumannomyces graminis* var. *tritici* R3-111a-1 (Ggt)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | sordariomyceta | Sordariomycetes | Sordariomycetidae | Magnaporthales | Magnaporthaceae | Gaeumannomyces | Gaeumannomyces graminis | Gaeumannomyces graminis var. tritici

Reference/s:

Broad Institute of Harvard and MIT: Magnaporthe comparative Database

National Center for Biotechnology Information: NCBI Fungi Genomes Project

***Magnaporthe grisea* 70-15 (Mag)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | sordariomyceta | Sordariomycetes | Sordariomycetidae | Magnaporthales | Magnaporthaceae | Magnaporthe | Magnaporthe oryzae

Reference/s:

Broad Institute of Harvard and MIT: Magnaporthe comparative Database

GenBank - NIH genetic sequence database: GenBank species TBLASTN
International Species Sequencing Consortium: Magnaporthe grisea Sequencing Consortium
National Center for Biotechnology Information: NCBI Fungi Genomes Project
The Gene Index Project: DFCI Magnaporthe grisea Gene Index
Publication/s:
Dean RA *et. al.* , *Nature* , **434** , 980 (2005).
Ebbole DJ *et. al.* , *Mol Plant Microbe Interact* , **17** , 1337 (2004).

Magnaporthe poae ATCC 64411 (Map)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | sordariomyceta | Sordariomycetes | Sordariomycetidae | Magnaporthales | Magnaporthaceae | Magnaporthe | Magnaporthe poae
Reference/s:
Broad Institute of Harvard and MIT: Magnaporthe comparative Database
National Center for Biotechnology Information: NCBI Fungi Genomes Project

Grosmannia clavigera kw1407 (Gre)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | sordariomyceta | Sordariomycetes | Sordariomycetidae | Ophiostomatales | Ophiostomataceae | Grosmannia | Grosmannia clavigera
Reference/s:
International Species Sequencing Consortium: Grosmannia Sequencing Consortium
National Center for Biotechnology Information: NCBI Fungi Genomes Project
Publication/s:
Diguistini S *et. al.* , *Genome Biol* , **10** , R94 (2009).

Chaetomium globosum CBS 148.51 (Chg)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | sordariomyceta | Sordariomycetes | Sordariomycetidae | Sordariales | Chaetomiaceae | Chaetomium | Chaetomium globosum
Reference/s:
Broad Institute of Harvard and MIT: Chaetomium globosum Sequencing Project
DOE Joint Genome Institute: Chaetomium globosum
National Center for Biotechnology Information: NCBI Fungi Genomes Project

Thielavia terrestris NRRL 8126 (Tit)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | sordariomyceta | Sordariomycetes | Sordariomycetidae | Sordariales | Chaetomiaceae | Thielavia | Thielavia terrestris
Reference/s:
DOE Joint Genome Institute: Thielavia terrestris
GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS
International Species Sequencing Consortium: Thielavia Sequencing Consortium
Publication/s:
Berka RM *et. al.* , *Nat Biotechnol* , **29** , 922 (2011).

Thielavia heterothallica ATCC 42464 (Th)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | sordariomyceta | Sordariomycetes | Sordariomycetidae | Sordariales | Chaetomiaceae | mitosporic Chaetomiaceae | Myceliophthora
Reference/s:
DOE Joint Genome Institute: Sporotrichum thermophile
GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS
International Species Sequencing Consortium: Thielavia Sequencing Consortium
Publication/s:
Berka RM *et. al.* , *Nat Biotechnol* , **29** , 922 (2011).

Podospora anserina (Poa)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | sordariomyceta | Sordariomycetes | Sordariomycetidae | Sordariales | Lasiosphaeriaceae | Podospora
Reference/s:
Genoscope: Podospora anserina Genome Project
International Species Sequencing Consortium: Podospora anserina Sequencing Consortium
National Center for Biotechnology Information: NCBI Fungi Genomes Project
Publication/s:
Espagne E *et. al.* , *Genome Biol* , **9** , R77 (2008).

Neurospora crassa OR74A (Nc)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | sordariomyceta | Sordariomycetes | Sordariomycetidae | Sordariales | Sordariaceae | Neurospora | Neurospora crassa
Reference/s:
Ashbya Genome Database: Ashbya Genome Database
Broad Institute of Harvard and MIT: Neurospora crassa Sequencing Project
GenBank - NIH genetic sequence database: GenBank species TBLASTN
International Species Sequencing Consortium: Neurospora crassa Sequencing Consortium
National Center for Biotechnology Information: NCBI Fungi Genomes Project
The Gene Index Project: DFCI Neurospora crassa Gene Index
e! Ensembl: Neurospora crassa

Publication/s:

Kupfer DM *et. al.* , *Eukaryot Cell* , **3** , 1088 (2004).

Galagan JE *et. al.* , *Nature* , **422** , 859 (2003).

***Neurospora discreta* FGSC 8579 (Ned)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | sordariomyceta | Sordariomycetes | Sordariomycetidae | Sordariales | Sordariaceae | Neurospora | Neurospora discreta

Reference/s:

DOE Joint Genome Institute: Neurospora discreta

***Neurospora tetrasperma* FGSC 2508 (Net)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | sordariomyceta | Sordariomycetes | Sordariomycetidae | Sordariales | Sordariaceae | Neurospora | Neurospora tetrasperma

Reference/s:

DOE Joint Genome Institute: Neurospora tetrasperma

DOE Joint Genome Institute: Neurospora tetrasperma FGSC 2508 mat A v2.0

International Species Sequencing Consortium: Neurospora tetrasperma Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

***Sordaria macrospora* (Som)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Pezizomycotina | leotiomyceta | sordariomyceta | Sordariomycetes | Sordariomycetidae | Sordariales | Sordariaceae | Sordaria

Reference/s:

International Species Sequencing Consortium: Sordaria Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Nowrousian M *et. al.* , *PLoS Genet* , **6** , e1000891 (2010).

***Debaryomyces hansenii* CBS767 (Deh)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Debaryomycetaceae | Debaryomyces | Debaryomyces hansenii | Debaryomyces hansenii var. hansenii

Reference/s:

Genolevures: Genomic Exploration of the Hemiascomycete Yeasts

International Species Sequencing Consortium: Debaryomyces hansenii Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

National Center for Biotechnology Information Reference Sequences: Debaryomyces hansenii genome view

Publication/s:

Butler G *et. al.* , *Nature* , **459** , 657 (2009).

Dujon B *et. al.* , *Nature* , **430** , 35 (2004).

Lepingle A *et. al.* , *FEBS Lett* , **487** , 82 (2000).

***Lodderomyces elongisporus* NRRL YB-4239 (Loe)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Debaryomycetaceae | Lodderomyces | Lodderomyces elongisporus

Reference/s:

Broad Institute of Harvard and MIT: Lodderomyces elongisporus Database

International Species Sequencing Consortium: Candida Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Butler G *et. al.* , *Nature* , **459** , 657 (2009).

***Meyerozyma guilliermondii* ATCC 6260 (Mrg)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Debaryomycetaceae | Meyerozyma | Meyerozyma guilliermondii

Reference/s:

Broad Institute of Harvard and MIT: Candida guilliermondii Sequencing Project

International Species Sequencing Consortium: Pichia guilliermondii Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Butler G *et. al.* , *Nature* , **459** , 657 (2009).

***Millerozyma farinosa* CBS7064 (Mif)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Debaryomycetaceae | Millerozyma

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS

Genolevures: Genomic Exploration of the Hemiascomycete Yeasts

Publication/s:

de Montigny J *et. al.* , *FEBS Lett* , **487** , 87 (2000).

***Scheffersomyces stipitis* CBS 6054 (Shs)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales |

Debaryomycetaceae | Scheffersomyces | Scheffersomyces stipitis

Reference/s:

DOE Joint Genome Institute: Pichia stipitis

International Species Sequencing Consortium: Pichia stipitis Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Jeffries TW *et. al.* , *Nat Biotechnol* , **25** , 319 (2007).

***Spathaspora passalidarum* NRRL Y-27907 (Shp)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales |

Debaryomycetaceae | Spathaspora | Spathaspora passalidarum

Reference/s:

DOE Joint Genome Institute: Spathaspora passalidarum NRRL Y-27907 v2.0

International Species Sequencing Consortium: Spathaspora Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Wohlbach DJ *et. al.* , *Proc Natl Acad Sci U S A* , **108** , 13212 (2011).

***Yarrowia lipolytica* CLIB122 (Yl)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Dipodascaceae |

Yarrowia | Yarrowia lipolytica

Reference/s:

Genolevures: Genomic Exploration of the Hemiascomycete Yeasts

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Dujon B *et. al.* , *Nature* , **430** , 35 (2004).

Casaregola S *et. al.* , *FEBS Lett* , **487** , 95 (2000).

***Lipomyces starkeyi* NRRL Y-11557 (Lms)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Lipomycetaceae |

Lipomyces | Lipomyces starkeyi

Reference/s:

DOE Joint Genome Institute: Lipomyces starkeyi NRRL Y-11557 v1.0

***Clavispora lusitaniae* ATCC 42720 (Cll)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales |

Metschnikowiaceae | Clavispora | Clavispora lusitaniae

Reference/s:

Broad Institute of Harvard and MIT: Candida lusitaniae Sequencing Project

International Species Sequencing Consortium: Clavispora lusitaniae Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Butler G *et. al.* , *Nature* , **459** , 657 (2009).

***Wickerhamomyces anomalus* NRRL Y-366 (Wa)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Phaffomycetaceae |

Wickerhamomyces | Wickerhamomyces anomalus

Reference/s:

National Center for Biotechnology Information: NCBI Fungi Genomes Project

***Pichia membranifaciens* (Phm)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Pichiaceae |

Pichia

Reference/s:

DOE Joint Genome Institute: Pichia membranifaciens v2.0

DOE Joint Genome Institute: Pichia membranifaciens v1.0

***Eremothecium gossypii* ATCC 10895 (Erg)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales |

Saccharomycetaceae | Eremothecium | Eremothecium gossypii

Reference/s:

Ashbya Genome Database: Ashbya Genome Database

International Species Sequencing Consortium: Eremothecium gossypii Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

National Center for Biotechnology Information Reference Sequences: Eremothecium gossypii genome view

Publication/s:

Dietrich FS *et. al.* , *Science* , **304** , 304 (2004).

***Kluyveromyces aestuarii* ATCC 18862 (Ka)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales |

Saccharomycetaceae | Kluyveromyces | Kluyveromyces aestuarii

Reference/s:

International Species Sequencing Consortium: Kluyveromyces Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Baker CR, Tuch BB, Johnson AD , *Proc Natl Acad Sci U S A* , **108** , 7493 (2011).

***Kluyveromyces lactis* NRRL Y-1140 (Kl)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | Kluyveromyces | Kluyveromyces lactis

Reference/s:

Genolevures: Genomic Exploration of the Hemiascomycete Yeasts

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Dujon B *et. al.* , *Nature* , **430** , 35 (2004).

Bolotin-Fukuhara M *et. al.* , *FEBS Lett* , **487** , 66 (2000).

***Kluyveromyces wickerhamii* UCD 54-210 (Klw)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | Kluyveromyces | Kluyveromyces wickerhamii

Reference/s:

International Species Sequencing Consortium: Kluyveromyces Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Baker CR, Tuch BB, Johnson AD , *Proc Natl Acad Sci U S A* , **108** , 7493 (2011).

***Komagataella pastoris* GS115 (Kop_b)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | Komagataella | Komagataella pastoris

Reference/s:

International Species Sequencing Consortium: Pichia pastoris Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

De Schutter K *et. al.* , *Nat Biotechnol* , **27** , 561 (2009).

***Komagataella pastoris* DSMZ 70382 (Kop_a)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | Komagataella | Komagataella pastoris

Reference/s:

International Species Sequencing Consortium: Pichia pastoris Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Mattanovich D *et. al.* , *Microb Cell Fact* , **8** , 29 (2009).

***Lachancea kluyveri* CBS 3082 (Lak_b)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | Lachancea

Reference/s:

Genolevures: Genomic Exploration of the Hemiascomycete Yeasts

Publication/s:

Souciet JL *et. al.* , *Genome Res* , **19** , 1696 (2009).

Neuveglise C *et. al.* , *FEBS Lett* , **487** , 56 (2000).

***Lachancea kluyveri* NRRL Y-12651 (Lak_a)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | Lachancea | Lachancea kluyveri

Reference/s:

International Species Sequencing Consortium: Washington University Saccharomyces kluyveri Sequencing

National Center for Biotechnology Information: NCBI Fungi Genomes Project

The Genome Sequencing Center at Washington University: Saccharomyces kluyveri

Publication/s:

Cliften *et. al.* , *Science* , **301** , 71 (2003).

***Lachancea thermotolerans* CBS 6340 (Lat)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | Lachancea | Lachancea thermotolerans

Reference/s:

Genolevures: Genomic Exploration of the Hemiascomycete Yeasts

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Souciet JL *et. al.* , *Genome Res* , **19** , 1696 (2009).

Malpertuy A *et. al.* , *FEBS Letters* , **487** , 61 (2000).

***Lachancea waltii* NCYC 2644 (Lw)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | Lachancea | Lachancea waltii

Reference/s:

International Species Sequencing Consortium: The Broad Institute Kluyveromyces waltii Sequencing Initiative

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Manolis Kellis, Bruce W. Birren, Eric S. Lander , *Nature* , **428** , 617 (2004).

***Candida glabrata* CBS138 (Cgl)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | Nakaseomyces | mitosporic Nakaseomyces | Candida glabrata

Reference/s:

Genolevures: Genomic Exploration of the Hemiascomycete Yeasts

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Dujon B *et. al.* , *Nature* , **430** , 35 (2004).

***Naumovozyma castellii* NRRL Y-12630 (Nac)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | Naumovozyma | Naumovozyma castellii

Reference/s:

National Center for Biotechnology Information: NCBI Fungi Genomes Project

The Genome Sequencing Center at Washington University: Finding functional features in Saccharomyces Genomes by phylogenetic footprinting

Publication/s:

Cliften *et. al.* , *Science* , **301** , 71 (2003).

***Naumovozyma dairenensis* CBS 421 (Nad)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | Naumovozyma | Naumovozyma dairenensis

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS

***Pachysolen tannophilus* NRRL Y-2460 (Pta)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | Pachysolen | Pachysolen tannophilus

Reference/s:

DOE Joint Genome Institute: Pachysolen tannophilus NRRL Y-2460 v1.2

***Saccharomyces bayanus* var. *uvarum* (Suv)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | Saccharomyces

Reference/s:

Genolevures: Genomic Exploration of the Hemiascomycete Yeasts

Publication/s:

Bon E *et. al.* , *FEBS Letters* , **487** , 37 (2000).

***Saccharomyces bayanus* 623-6C (Sab_a)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | Saccharomyces | Saccharomyces bayanus

Reference/s:

National Center for Biotechnology Information: NCBI Fungi Genomes Project

The Genome Sequencing Center at Washington University: Finding functional features in Saccharomyces Genomes by phylogenetic footprinting

Publication/s:

Cliften *et. al.* , *Science* , **301** , 71 (2003).

***Saccharomyces bayanus* MCYC 623 (Sab_b)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | Saccharomyces | Saccharomyces bayanus

Reference/s:

Broad Institute of Harvard and MIT: Yeast Comparative Genomics

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Kellis *et. al.* , *Nature* , **423** , 241 (2003).

***Saccharomyces cerevisiae* S288c (Sc_c)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | Saccharomyces | Saccharomyces cerevisiae

Reference/s:

Ashbya Genome Database: Ashbya Genome Database

Genolevures: Re-Annotation of the Saccharomyces cerevisiae Genome

International Species Sequencing Consortium: Saccharomyces cerevisiae Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

National Center for Biotechnology Information Reference Sequences: Saccharomyces Genome Resources
Saccharomyces Genome Database: Database of the molecular biology and genetics of the yeast *Saccharomyces cerevisiae*
The Gene Index Project: DFCI *Saccharomyces cerevisiae* Gene Index
The Wellcome Trust Sanger Institute: *Saccharomyces* Genome Resequencing Project
e! Ensembl: *S.cerevisiae*
Publication/s:

Liti G *et. al.* , *Nature* , **458** , 337 (2009).
Blandin G *et. al.* , *FEBS Lett* , **487** , 31 (2000).
Foury F *et. al.* , *FEBS Lett* , **440** , 325 (1998).
Dujon B *et. al.* , *Nature* , **387** , 98 (1997).
Tettelin *et. al.* , *Nature* , **387** , 81 (1997).
Goffeau *et. al.* , *Science* , **274** , 546 (1996).
Johnston M *et. al.* , *Science* , **265** , 2077 (1994).

***Saccharomyces cerevisiae* M22 (Sc_al)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | *Saccharomyces* | *Saccharomyces cerevisiae*
Reference/s:
National Center for Biotechnology Information: NCBI Fungi Genomes Project
Publication/s:
Doniger SW *et. al.* , *PLoS Genet* , **4** , e1000183 (2008).
Doniger SW *et. al.* , *PLoS Genet* , **4** , e1000183 (2008).

***Saccharomyces cerevisiae* RM11-1a (Sc_b)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | *Saccharomyces* | *Saccharomyces cerevisiae*
Reference/s:
Broad Institute of Harvard and MIT: *Saccharomyces cerevisiae* RM11-1a Sequencing Project
National Center for Biotechnology Information: NCBI Fungi Genomes Project
The Gene Index Project: DFCI *Saccharomyces cerevisiae* Gene Index

***Saccharomyces cerevisiae* YJM789 (Sc_a)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | *Saccharomyces* | *Saccharomyces cerevisiae*
Reference/s:
International Species Sequencing Consortium: *Saccharomyces cerevisiae* YJM789 Sequencing Consortium
National Center for Biotechnology Information: NCBI Fungi Genomes Project
Stanford Genome Technology Center: YJM789 genome sequence
The Gene Index Project: DFCI *Saccharomyces cerevisiae* Gene Index
Publication/s:
Wei W *et. al.* , *Proc Natl Acad Sci U S A* , **104** , 12825 (2007).

***Saccharomyces cerevisiae* YPS163 (Sc_am)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | *Saccharomyces* | *Saccharomyces cerevisiae*
Reference/s:
International Species Sequencing Consortium: *Saccharomyces* Genome Sequencing
National Center for Biotechnology Information: NCBI Fungi Genomes Project
Publication/s:
Doniger SW *et. al.* , *PLoS Genet* , **4** , e1000183 (2008).

***Saccharomyces kudriavzevii* IFO 1802 (Sak)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | *Saccharomyces* | *Saccharomyces kudriavzevii*
Reference/s:
National Center for Biotechnology Information: NCBI Fungi Genomes Project
The Genome Sequencing Center at Washington University: Finding functional features in *Saccharomyces* Genomes by phylogenetic footprinting
Publication/s:
Cliften *et. al.* , *Science* , **301** , 71 (2003).

***Saccharomyces mikatae* IFO 1815 (Smi)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | *Saccharomyces* | *Saccharomyces mikatae*
Reference/s:
Broad Institute of Harvard and MIT: Yeast Comparative Genomics
National Center for Biotechnology Information: NCBI Fungi Genomes Project
The Genome Sequencing Center at Washington University: Finding functional features in *Saccharomyces* Genomes by phylogenetic footprinting
Publication/s:
Kellis *et. al.* , *Nature* , **423** , 241 (2003).
Cliften *et. al.* , *Science* , **301** , 71 (2003).
Cliften *et. al.* , *Science* , **301** , 71 (2003).

***Saccharomyces paradoxus* NRRL Y-17217 (Sap_a)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | Saccharomyces | Saccharomyces paradoxus

Reference/s:

Broad Institute of Harvard and MIT: Yeast Comparative Genomics

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Kellis *et. al.* , *Nature* , **423** , 241 (2003).

***Saccharomyces pastorianus* Weihenstephan 34/70 (Scp)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | Saccharomyces | Saccharomyces pastorianus

Reference/s:

International Species Sequencing Consortium: Saccharomyces pastorianus Weihenstephan Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Nakao Y *et. al.* , *DNA Res* , **16** , 115 (2009).

***Tetrapisipora phaffii* CBS 4417 (Ttp)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | Tetrapisipora | Tetrapisipora phaffii

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS

***Torulaspora delbrueckii* CBS 1146 (Tod)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | Torulaspora | Torulaspora delbrueckii

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS

***Vanderwaltozyma polyspora* DSM 70294 (Vp)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | Vanderwaltozyma | Vanderwaltozyma polyspora

Reference/s:

International Species Sequencing Consortium: Vanderwaltozyma Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Scannell DR *et. al.* , *Proc Natl Acad Sci U S A* , **104** , 8397 (2007).

***Zygosaccharomyces rouxii* CBS732 (Zr)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | Zygosaccharomyces

Reference/s:

Genolevures: Genomic Exploration of the Hemiascomycete Yeasts

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Souciet JL *et. al.* , *Genome Res* , **19** , 1696 (2009).

de Montigny J *et. al.* , *FEBS Letters* , **487** , 52 (2000).

***Ogataea angusta* NCYC 495 leu1.1 (Oga)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Saccharomycetales incertae sedis | Ogataea | Ogataea angusta

Reference/s:

DOE Joint Genome Institute: Hansenula polymorpha NCYC 495 leu1.1 v2.0

DOE Joint Genome Institute: Hansenula polymorpha NCYC 495 leu1.1

***Ogataea parapolyomorpha* DL-1 (Ogp)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Saccharomycetales incertae sedis | Ogataea | Ogataea parapolyomorpha

Reference/s:

National Center for Biotechnology Information: NCBI Fungi Genomes Project

***Ogataea polymorpha* CBS 4732 (Oap)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | Saccharomycetales incertae sedis | Ogataea | Ogataea polymorpha

Reference/s:

Genolevures: Genomic Exploration of the Hemiascomycete Yeasts

Publication/s:

Blandin G *et. al.* , *FEBS Letters* , **487** , 76 (2000).

***Nadsonia fulvescens* var. *elongata* DSM 6958 (Nfe)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales |

Saccharomycodaceae | Nadsonia | Nadsonia fulvescens | Nadsonia fulvescens var. elongata

Reference/s:

DOE Joint Genome Institute: Nadsonia fulvescens var. elongata DSM 6958 v1.0

***Candida parapsilosis* (Cap)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | mitosporic Saccharomycetales | Candida

Reference/s:

International Species Sequencing Consortium: Candida Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

The Wellcome Trust Sanger Institute: Candida parapsilosis Sequencing

Publication/s:

Butler G *et. al.* , *Nature* , **459** , 657 (2009).

***Candida tenuis* NRRL Y-1498 (Cat)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | mitosporic Saccharomycetales | Candida

Reference/s:

DOE Joint Genome Institute: Candida tenuis NRRL Y-1498 v1.0

International Species Sequencing Consortium: Candida tenuis Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Wohlbach DJ *et. al.* , *Proc Natl Acad Sci U S A* , **108** , 13212 (2011).

***Candida albicans* WO-1 (Ca_b)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | mitosporic Saccharomycetales | Candida | Candida albicans

Reference/s:

Broad Institute of Harvard and MIT: Candida albicans Database

International Species Sequencing Consortium: Candida Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Butler G *et. al.* , *Nature* , **459** , 657 (2009).

***Candida albicans* SC5314 (Ca_a)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | mitosporic Saccharomycetales | Candida | Candida albicans

Reference/s:

Candida Genome Database: A resource for genomic sequence data and gene and protein information for Candida albicans

International Species Sequencing Consortium: Candida albicans Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Stanford Genome Technology Center: Sequencing of Candida Albicans

Publication/s:

Butler G *et. al.* , *Nature* , **459** , 657 (2009).

van het Hoog M *et. al.* , *Genome Biol* , **8** , R52 (2007).

Braun BR *et. al.* , *PLoS Genet* , **1** , 36 (2005).

Jones T *et. al.* , *Proc Natl Acad Sci U S A* , **101** , 7329 (2004).

***Candida caseinolytica* NRRL Y-17796 (Cac)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | mitosporic Saccharomycetales | Candida | Candida caseinolytica

Reference/s:

DOE Joint Genome Institute: Candida caseinolytica Y-17796 v1.0

***Candida dubliniensis* CD36 (Cad)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | mitosporic Saccharomycetales | Candida | Candida dubliniensis

Reference/s:

International Species Sequencing Consortium: Candida Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

The Wellcome Trust Sanger Institute: Candida dubliniensis Genome Sequencing

Publication/s:

Jackson AP *et. al.* , *Genome Res* , **19** , 2231 (2009).

***Candida tropicalis* MYA-3404 (Ct_a)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Ascomycota | saccharomyceta | Saccharomycotina | Saccharomycetes | Saccharomycetales | mitosporic Saccharomycetales | Candida | Candida tropicalis

Reference/s:

Broad Institute of Harvard and MIT: Candida tropicalis Sequencing Project

International Species Sequencing Consortium: Candida tropicalis MYA-3404 Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Butler G *et. al.* , *Nature* , **459** , 657 (2009).

***Phanerochaete chrysosporium* RP-78 (Phc)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Agaricomycotina | Agaricomycetes | Agaricomycetes incertae sedis | Corticiales | Corticiaceae | Phanerochaete | Phanerochaete chrysosporium
Reference/s:
DOE Joint Genome Institute: Phanerochaete chrysosporium
Fungal Genomics Project: Phanerochaete chrysosporium
International Species Sequencing Consortium: Phanerochaete chrysosporium Sequencing Consortium
National Center for Biotechnology Information: NCBI Fungi Genomes Project
Publication/s:
Martinez D *et. al.* , *Nat Biotechnol* , **22** , 695 (2004).

***Punctularia strigosozonata* (Pus)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Agaricomycotina | Agaricomycetes | Agaricomycetes incertae sedis | Corticiales | Punctulariaceae | Punctularia
Reference/s:
DOE Joint Genome Institute: Punctularia strigosozonata v1.0

***Gloeophyllum trabeum* (Glt)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Agaricomycotina | Agaricomycetes | Agaricomycetes incertae sedis | Gloeophyllales | Gloeophyllaceae | Gloeophyllum
Reference/s:
DOE Joint Genome Institute: Gloeophyllum trabeum
Fungal Genomics Project: Gloeophyllum trabeum

***Fomitopsis pinicola* (Fp)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Agaricomycotina | Agaricomycetes | Agaricomycetes incertae sedis | Polyporales | Coriolaceae | Fomitopsis
Reference/s:
DOE Joint Genome Institute: Fomitopsis pinicola SS1 v1.0

***Postia placenta* (Ppl)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Agaricomycotina | Agaricomycetes | Agaricomycetes incertae sedis | Polyporales | Coriolaceae | Postia
Reference/s:
DOE Joint Genome Institute: The Genome Sequence of the Brown Rot Fungus Postia placenta
International Species Sequencing Consortium: Postia placenta Sequencing Consortium
National Center for Biotechnology Information: NCBI Fungi Genomes Project
Publication/s:
Martinez D *et. al.* , *Proc Natl Acad Sci U S A* , **106** , 1954 (2009).

***Antrodia cinnamomea* (Atc)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Agaricomycotina | Agaricomycetes | Agaricomycetes incertae sedis | Polyporales | Coriolaceae | Taiwanofungus

***Trametes versicolor* (Tav)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Agaricomycotina | Agaricomycetes | Agaricomycetes incertae sedis | Polyporales | Coriolaceae | Trametes
Reference/s:
DOE Joint Genome Institute: Trametes versicolor v1.0
Fungal Genomics Project: Trametes versicolor

***Wolfiporia cocos* MD-104 SS10 (Wc)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Agaricomycotina | Agaricomycetes | Agaricomycetes incertae sedis | Polyporales | Coriolaceae | Wolfiporia | Wolfiporia cocos
Reference/s:
DOE Joint Genome Institute: Wolfiporia cocos MD-104 SS10

***Dichomitus squalens* (Dis)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Agaricomycotina | Agaricomycetes | Agaricomycetes incertae sedis | Polyporales | Polyporaceae | Dichomitus
Reference/s:
DOE Joint Genome Institute: Dichomitus squalens v1.0

***Heterobasidion annosum* (Hta)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Agaricomycotina | Agaricomycetes | Agaricomycetes incertae sedis | Russulales | Bondarzewiaceae | Heterobasidion | Heterobasidion annosum species complex
Reference/s:
DOE Joint Genome Institute: Heterobasidion annosum v2.0
DOE Joint Genome Institute: Heterobasidion annosum
GenBank - NIH genetic sequence database: GenBank species TBLASTN

Publication/s:

Karlsson M, Olson A, Stenlid J , *Fungal Genet Biol* , **39** , 51 (2003).

***Gelatoporia subvermispora* (Ges)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Agaricomycotina | Agaricomycetes | Agaricomycetes incertae sedis | Russulales | Meruliaceae | Ceriporiopsis

Reference/s:

DOE Joint Genome Institute: Ceriporiopsis subvermispora B

International Species Sequencing Consortium: Ceriporiopsis subvermispora Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Fernandez-Fueyo E *et. al.* , *Proc Natl Acad Sci U S A* , **109** , 5458 (2012).

***Stereum hirsutum* FP-91666 SS1 (Sth)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Agaricomycotina | Agaricomycetes | Agaricomycetes incertae sedis | Russulales | Stereaceae | Stereum | Stereum hirsutum

Reference/s:

DOE Joint Genome Institute: Stereum hirsutum FP-91666 SS1 v1.0

***Agaricus bisporus* var. *bisporus* (Abb)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Agaricomycotina | Agaricomycetes | Agaricomycetidae | Agaricales | Agaricaceae | Agaricus | Agaricus bisporus

Reference/s:

DOE Joint Genome Institute: Agaricus bisporus var bisporus (H97)

***Agaricus bisporus* var. *burnettii* JB137-S8 (Agb)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Agaricomycotina | Agaricomycetes | Agaricomycetidae | Agaricales | Agaricaceae | Agaricus | Agaricus bisporus | Agaricus bisporus var. burnettii

Reference/s:

DOE Joint Genome Institute: Agaricus bisporus var. burnettii JB137-S8

***Lentinula edodes* (Lne)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Agaricomycotina | Agaricomycetes | Agaricomycetidae | Agaricales | Marasmiaceae | Lentinula

Reference/s:

Fungal Genomics Project: Lentinula edodes

***Moniliophthora perniciosa* FA553 (Mop)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Agaricomycotina | Agaricomycetes | Agaricomycetidae | Agaricales | Marasmiaceae | mitosporic Marasmiaceae | Moniliophthora | Moniliophthora perniciosa

Reference/s:

International Species Sequencing Consortium: Moniliophthora perniciosa Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Mondego JM *et. al.* , *BMC Genomics* , **9** , 548 (2008).

***Pleurotus ostreatus* PC15 (Plo)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Agaricomycotina | Agaricomycetes | Agaricomycetidae | Agaricales | Pleurotaceae | Pleurotus

Reference/s:

DOE Joint Genome Institute: Pleurotus ostreatus PC15 v2.0

DOE Joint Genome Institute: Pleurotus ostreatus PC15

***Pleurotus ostreatus* PC9 (Plo_a)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Agaricomycotina | Agaricomycetes | Agaricomycetidae | Agaricales | Pleurotaceae | Pleurotus

Reference/s:

DOE Joint Genome Institute: Pleurotus ostreatus PC9 v1.0

***Coprinopsis cinerea* okayama7#130 (Cpe)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Agaricomycotina | Agaricomycetes | Agaricomycetidae | Agaricales | Psathyrellaceae | Coprinopsis

Reference/s:

Broad Institute of Harvard and MIT: Coprinus cinereus Sequencing Project

DOE Joint Genome Institute: Coprinopsis cinerea

Fungal Genomics Project: Coprinus cinereus

International Species Sequencing Consortium: Coprinopsis cinerea Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Stajich JE *et. al.* , *Proc Natl Acad Sci U S A* , **107** , 11889 (2010).

Schizophyllum commune H4-8 (Scc)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Agaricomycotina | Agaricomycetes | Agaricomycetidae | Agaricales | Schizophyllaceae | Schizophyllum | Schizophyllum commune
Reference/s:
DOE Joint Genome Institute: Schizophyllum commune v2.0
DOE Joint Genome Institute: Schizophyllum commune
International Species Sequencing Consortium: Schizophyllum Sequencing Consortium
National Center for Biotechnology Information: NCBI Fungi Genomes Project
Publication/s:
Ohm RA *et. al.* , *Nat Biotechnol* , **28** , 957 (2010).

Laccaria bicolor S238N (Lab)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Agaricomycotina | Agaricomycetes | Agaricomycetidae | Agaricales | Tricholomataceae | Laccaria
Reference/s:
DOE Joint Genome Institute: Laccaria bicolor
GenBank - NIH genetic sequence database: GenBank species TBLASTN
International Species Sequencing Consortium: Laccaria bicolor Sequencing Consortium
L'Institut National de la Recherche Agronomique: EctomycorrhizaDB
L'Institut National de la Recherche Agronomique: Laccaria Genome Resources
National Center for Biotechnology Information: NCBI Fungi Genomes Project
Publication/s:
Martin F *et. al.* , *Nature* , **452** , 88 (2008).
Peter M *et. al.* , *New Phytol* , **159** , 117 (2003).

Coniophora puteana (Chp)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Agaricomycotina | Agaricomycetes | Agaricomycetidae | Boletales | Coniophorineae | Coniophoraceae | Coniophora
Reference/s:
DOE Joint Genome Institute: Coniophora puteana v1.0

Serpula lacrymans var. lacrymans S7.9 (Sll)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Agaricomycotina | Agaricomycetes | Agaricomycetidae | Boletales | Coniophorineae | Serpulaceae | Serpula | Serpula lacrymans | Serpula lacrymans var. lacrymans
Reference/s:
DOE Joint Genome Institute: Serpula lacrymans S7.9
International Species Sequencing Consortium: Serpula lacrymans Sequencing Consortium
National Center for Biotechnology Information: NCBI Fungi Genomes Project
Publication/s:
Eastwood DC *et. al.* , *Science* , **333** , 762 (2011).

Pisolithus microcarpus (Pim)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Agaricomycotina | Agaricomycetes | Agaricomycetidae | Boletales | Sclerodermatineae | Pisolithaceae | Pisolithus

Filobasidiella neoformans var. bacillispora WM276 (Fnb_c)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Agaricomycotina | Tremellomycetes | Tremellales | Tremellaceae | Filobasidiella | Filobasidiella/Cryptococcus neoformans species complex
Reference/s:
National Center for Biotechnology Information: NCBI Fungi Genomes Project

Filobasidiella neoformans var. bacillispora R265 (Fnb_b)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Agaricomycotina | Tremellomycetes | Tremellales | Tremellaceae | Filobasidiella | Filobasidiella/Cryptococcus neoformans species complex
Reference/s:
Broad Institute of Harvard and MIT: Cryptococcus neoformans Serotype B Database
National Center for Biotechnology Information: NCBI Fungi Genomes Project

Filobasidiella neoformans var. neoformans H99 (Fna_b)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Agaricomycotina | Tremellomycetes | Tremellales | Tremellaceae | Filobasidiella | Filobasidiella/Cryptococcus neoformans species complex | Cryptococcus neoformans
Reference/s:
Broad Institute of Harvard and MIT: Cryptococcus neoformans Serotype A Database
DOE Joint Genome Institute: Cryptococcus neoformans var. grubii H99
National Center for Biotechnology Information: NCBI Fungi Genomes Project
The Gene Index Project: DFCI Cryptococcus sp. (Filobasidiella neoformans) Gene Index

Filobasidiella neoformans var. neoformans JEC21 (Fnd_c)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Agaricomycotina | Tremellomycetes | Tremellales | Tremellaceae | Filobasidiella | Filobasidiella/Cryptococcus neoformans species complex | Cryptococcus neoformans
Reference/s:

International Species Sequencing Consortium: Filobasidiella neoformans var. neoformans JEC21 Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

The Gene Index Project: DFCI Cryptococcus sp. (Filobasidiella neoformans) Gene Index

The Institute for Genomic Research: Cryptococcus neoformans Genome Project

Publication/s:

Loftus BJ *et. al.* , *Science* , **307** , 1321 (2005).

Filobasidiella neoformans var. neoformans B-3501A (Fnd_b)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Agaricomycotina | Tremellomycetes | Tremellales | Tremellaceae | Filobasidiella |

Filobasidiella/Cryptococcus neoformans species complex | Cryptococcus neoformans

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN

International Species Sequencing Consortium: Filobasidiella Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Stanford Genome Technology Center: Cryptococcus neoformans Genome Project

The Gene Index Project: DFCI Cryptococcus sp. (Filobasidiella neoformans) Gene Index

Publication/s:

Loftus BJ *et. al.* , *Science* , **307** , 1321 (2005).

Kupfer DM *et. al.* , *Eukaryot Cell* , **3** , 1088 (2004).

Tremella mesenterica (Tem)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Agaricomycotina | Tremellomycetes | Tremellales | Tremellaceae | Tremella

Reference/s:

DOE Joint Genome Institute: Tremella mesenterica Fries

Cryptococcus laurentii (CrI)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Agaricomycotina | Tremellomycetes | Tremellales | mitosporic Tremellales | Cryptococcus

Reference/s:

Fungal Genomics Project: Cryptococcus laurentii

Leucosporidium scottii (Lsc)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Pucciniomycotina | Microbotryomycetes | Leucosporidiales | Leucosporidiaceae |

Leucosporidium

Reference/s:

Fungal Genomics Project: Leucosporidium scottii

Microbotryum violaceum (Mv)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Pucciniomycotina | Microbotryomycetes | Microbotryales | Microbotryaceae |

Microbotryum

Reference/s:

Broad Institute of Harvard and MIT: Microbotryum violaceum Database

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Rhodotorula graminis WPI (Rg)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Pucciniomycotina | Microbotryomycetes | Sporidiobolales | mitosporic Sporidiobolales |

Rhodotorula | Rhodotorula graminis

Reference/s:

DOE Joint Genome Institute: Rhodotorula graminis strain WP1 v1.1

DOE Joint Genome Institute: Rhodotorula graminis strain WP1

Sporobolomyces roseus IAM 13481 (Spr)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Pucciniomycotina | Microbotryomycetes | Sporidiobolales | mitosporic Sporidiobolales |

Sporobolomyces | Sporobolomyces roseus

Reference/s:

DOE Joint Genome Institute: Sporobolomyces roseus

Melampsora laricis-populina (Mlp)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Pucciniomycotina | Pucciniomycetes | Pucciniales | Melampsoraceae | Melampsora

Reference/s:

DOE Joint Genome Institute: Melampsora laricis-populina

International Species Sequencing Consortium: Rust fungi Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Duplessis S *et. al.* , *Proc Natl Acad Sci U S A* , **108** , 9166 (2011).

Phakopsora pachyrhizi (Pkp)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Pucciniomycotina | Pucciniomycetes | Pucciniales | Phakopsoraceae | Phakopsora

Puccinia graminis f. sp. tritici CRL 75-36-700-3 (Pug)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Pucciniomycotina | Pucciniomycetes | Pucciniales | Pucciniaceae | Puccinia | Puccinia

graminis | *Puccinia graminis* f. sp. tritici

Reference/s:

Broad Institute of Harvard and MIT: *Puccinia* Group Database

DOE Joint Genome Institute: *Puccinia graminis*

International Species Sequencing Consortium: Rust fungi Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Ensembl: *Puccinia graminis* f sp tritici (*Puccinia graministritici*)

Publication/s:

Duplessis S *et. al.* , *Proc Natl Acad Sci U S A* , **108** , 9166 (2011).

Puccinia triticina 1-I BBBB Race 1 (Put)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Pucciniomycotina | Pucciniomycetes | Puccinales | Pucciniaceae | *Puccinia* | *Puccinia triticina*

Reference/s:

Broad Institute of Harvard and MIT: *Puccinia* Group Database

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Malassezia globosa CBS 7966 (Mlg)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Ustilaginomycotina | Exobasidiomycetes | Malasseziales | Malasseziaceae | *Malassezia* | *Malassezia globosa*

Reference/s:

DOE Joint Genome Institute: *Malassezia globosa*

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Xu J *et. al.* , *Proc Natl Acad Sci U S A* , **104** , 18730 (2007).

Malassezia restricta CBS 7877 (Mr)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Ustilaginomycotina | Exobasidiomycetes | Malasseziales | Malasseziaceae | *Malassezia* | *Malassezia restricta*

Reference/s:

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Xu J *et. al.* , *Proc Natl Acad Sci U S A* , **104** , 18730 (2007).

Sporisorium reilianum (Sor)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Ustilaginomycotina | Ustilaginomycetes | Ustilaginales | Ustilaginaceae | *Sporisorium*

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS

International Species Sequencing Consortium: Sporisorium Sequencing Consortium

Publication/s:

Schirawski J *et. al.* , *Science* , **330** , 1546 (2010).

Ustilago maydis FB1 (Um_b)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Ustilaginomycotina | Ustilaginomycetes | Ustilaginales | Ustilaginaceae | *Ustilago* | *Ustilago maydis*

Reference/s:

Broad Institute of Harvard and MIT: *Ustilago maydis* Database

Ustilago maydis 521 (Um_a)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Dikarya | Basidiomycota | Ustilaginomycotina | Ustilaginomycetes | Ustilaginales | Ustilaginaceae | *Ustilago* | *Ustilago maydis*

Reference/s:

Broad Institute of Harvard and MIT: *Ustilago maydis* Sequencing Project

DOE Joint Genome Institute: *Ustilago maydis*

International Species Sequencing Consortium: *Ustilago maydis* Sequencing Consortium

National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:

Kamper J *et. al.* , *Nature* , **444** , 97 (2006).

Cunninghamella elegans (Cue)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Fungi incertae sedis | Early diverging fungal lineages | Mucoromycotina | Mucorales | Cunninghamellaceae | *Cunninghamella*

Reference/s:

Fungal Genomics Project: *Cunninghamella elegans*

Mucor circinelloides (Muc)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Fungi | Fungi incertae sedis | Early diverging fungal lineages | Mucoromycotina | Mucorales | Mucoraceae | *Mucor*

Reference/s:

DOE Joint Genome Institute: *Mucor circinelloides* CBS277.49 v2.0

DOE Joint Genome Institute: *Mucor circinelloides*

Phycomyces blakesleeanus (Phb)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Fungi incertae sedis | Early diverging fungal lineages | Mucoromycotina | Mucorales | Mucoraceae | Phycomyces

Reference/s:
DOE Joint Genome Institute: Phycomyces blakesleeanus NRRL1555 v2.0
DOE Joint Genome Institute: Phycomyces blakesleeanus

***Rhizopus arrhizus* RA 99-880 (Rha)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Fungi incertae sedis | Early diverging fungal lineages | Mucoromycotina | Mucorales | Mucoraceae | Rhizopus

Reference/s:
Broad Institute of Harvard and MIT: Rhizopus oryzae Database
GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS
International Species Sequencing Consortium: Rhizopus arihii Sequencing Consortium
TBestDB - Taxonomically Broad EST Database: Rhizopus oryzae

Publication/s:
Ma LJ *et. al.* , *PLoS Genet* , **5** , e1000549 (2009).

***Glomus intraradices* (Gi)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Glomeromycota | Glomeromycetes | Glomerales | Glomeraceae | Rhizophagus

***Enterocytozoon bieneusi* H348 (Enb)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Microsporidia | Apansporoblastina | Enterocytozoonidae | Enterocytozoon | Enterocytozoon bieneusi

Reference/s:
International Species Sequencing Consortium: Enterocytozoon Sequencing Consortium
MicrosporidiaDB: MicrosporidiaDB
National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:
Akiyoshi DE *et. al.* , *PLoS Pathog* , **5** , e1000261 (2009).
Corradi N *et. al.* , *PLoS ONE* , **2** , e1277 (2007).
Corradi N *et. al.* , *PLoS ONE* , **2** , e1277 (2007).

***Nosema ceranae* BRL01 (Nsc)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Microsporidia | Apansporoblastina | Nosematidae | Nosema | Nosema ceranae

Reference/s:
International Species Sequencing Consortium: Nosema ceranae Sequencing Consortium
MicrosporidiaDB: MicrosporidiaDB
National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:
Comman RS *et. al.* , *PLoS Pathog* , **5** , e1000466 (2009).

***Encephalitozoon intestinalis* (Eni)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Microsporidia | Apansporoblastina | Unikaryonidae | Encephalitozoon

Reference/s:
International Species Sequencing Consortium: Encephalitozoon Sequencing Consortium
MicrosporidiaDB: MicrosporidiaDB
National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:
Corradi N *et. al.* , *Nat Commun* , **1** , 77 (2010).

***Encephalitozoon cuniculi* GB-M1 (Ec)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Microsporidia | Apansporoblastina | Unikaryonidae | Encephalitozoon | Encephalitozoon cuniculi

Reference/s:
International Species Sequencing Consortium: Genoscope WGS project
MicrosporidiaDB: MicrosporidiaDB
National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:
Katinka MD *et. al.* , *Nature* , **414** , 450 (2001).

***Nematocida parisii* ERTm1 (Nep)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Microsporidia | Microsporidia incertae sedis | Nematocida | Nematocida parisii

Reference/s:
Broad Institute of Harvard and MIT: Microsporidia Comparative Database
MicrosporidiaDB: MicrosporidiaDB
National Center for Biotechnology Information: NCBI Fungi Genomes Project

***Octosporea bayeri* OER-3-3 (Ocb)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Fungi | Microsporidia | Pansporoblastina | Dubosqiidae | Hamiltosporidium | Hamiltosporidium tvaerminnensis

Reference/s:
International Species Sequencing Consortium: Octosporea Sequencing Consortium
MicrosporidiaDB: MicrosporidiaDB
National Center for Biotechnology Information: NCBI Fungi Genomes Project

Publication/s:
Corradi N *et. al.* , *Genome Biol* , **10** , R106 (2009).

***Echinococcus multilocularis* (Em)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Acoelomata | Platyhelminthes | Cestoda | Eucestoda | Cyclophyllidea | Taeniidae |

Echinococcus

Reference/s:

The Wellcome Trust Sanger Institute: Echinococcus Genome Project

***Echinococcus granulosus* (Ecg)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Acoelomata | Platyhelminthes | Cestoda | Eucestoda | Cyclophyllidea | Taeniidae |

Echinococcus

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN

The Wellcome Trust Sanger Institute: Echinococcus granulosus

Publication/s:

Fernandez C *et. al.* , *Mol Biochem Parasitol* , **122** , 171 (2002).

***Taenia solium* (Tas)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Acoelomata | Platyhelminthes | Cestoda | Eucestoda | Cyclophyllidea | Taeniidae | Taenia

***Schistosoma mansoni* (Sm)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Acoelomata | Platyhelminthes | Trematoda | Digenea | Strigeidida | Schistosomatoidea |

Schistosomatidae | Schistosoma

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN

International Species Sequencing Consortium: Schistosoma Sequencing Consortium

National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project

SchistoDB: Schistosoma Genomic Resources

The Gene Index Project: DFCI Schistosoma mansoni Gene Index

The Institute for Genomic Research: The TIGR Schistosoma mansoni Genome Project

The Wellcome Trust Sanger Institute: The Schistosoma mansoni Genome Project

Publication/s:

Berriman M *et. al.* , *Nature* , **460** , 352 (2009).

Dillon GP *et. al.* , *Int J Parasitol* , **36** , 1 (2006).

Verjovski-Almeida S *et. al.* , *Nat Genet* , **35** , 148 (2003).

***Schistosoma japonicum* (Shj)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Acoelomata | Platyhelminthes | Trematoda | Digenea | Strigeidida | Schistosomatoidea |

Schistosomatidae | Schistosoma

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN

International Species Sequencing Consortium: Schistosoma japonicum Sequencing Consortium

National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project

SchistoDB: Schistosoma Genomic Resources

Publication/s:

Zhou Y *et. al.* , *Nature* , **460** , 345 (2009).

Liu F *et. al.* , *PLoS Pathog* , **2** , e29 (2006).

Hu W *et. al.* , *Nat Genet* , **35** , 139 (2003).

***Convoluta pulchra* (Cnp)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Acoelomata | Platyhelminthes | Turbellaria | Acoelomorpha | Acoela | Convolutidae |

Convoluta

***Dugesia japonica* (Dj)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Acoelomata | Platyhelminthes | Turbellaria | Seriata | Tricladida | Paludicola | Dugesiidae |

Dugesia

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN

Publication/s:

Mineta K *et. al.* , *Proc Natl Acad Sci U S A* , **100** , 7666 (2003).

***Schmidtea mediterranea str. S2F2* (Scm)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Acoelomata | Platyhelminthes | Turbellaria | Seriata | Tricladida | Paludicola | Dugesiidae |

Schmidtea

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS

GenBank - NIH genetic sequence database: GenBank species TBLASTN

SmedGD: SmedGD: the Schmidtea mediterranea Genome Database

The Genome Sequencing Center at Washington University: Schmidtea mediterranea

Publication/s:

Zayas RM *et. al.* , *Proc Natl Acad Sci U S A* , **102** , 18491 (2005).

***Branchiostoma floridae* (Bf)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Cephalochordata | Branchiostomidae | Branchiostoma

Reference/s:

DOE Joint Genome Institute: Branchiostoma floridae

GenBank - NIH genetic sequence database: GenBank species TBLASTN

International Species Sequencing Consortium: Branchiostoma floridae Sequencing Consortium

National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project

UCSC Genome Bioinformatics: Lancelet (Branchiostoma floridae) Genome Browser Gateway

Publication/s:

Putnam NH *et. al.* , *Nature* , **453** , 1064 (2008).

Yu JK *et. al.* , *Nature* , **445** , 613 (2007).

Panopoulou G *et. al.* , *Genome Res* , **13** , 1056 (2003).

***Eptatretus burgeri* (Eb)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Hyperotreti | Myxiniformes | Myxinidae | Eptatretinae | Eptatretus

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN

Publication/s:

Suzuki T *et. al.* , *Dev Comp Immunol* , **28** , 993 (2004).

***Leucoraja erinacea* (Lee)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Chondrichthyes | Elasmobranchii | Batoidea | Rajiformes | Rajidae | Leucoraja

Reference/s:

International Species Sequencing Consortium: Leucoraja erinacea Sequencing Consortium

National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project

The Marine Genomics Project: Leucoraja erinacea

***Triakis scyllium* (Tis)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Chondrichthyes | Elasmobranchii | Selachii | Galeomorphii | Galeoidea | Carcharhiniformes | Triakidae | Triakis

***Squalus acanthias* (Sqa)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Chondrichthyes | Elasmobranchii | Selachii | Squalimorphii | Squaliformes | Squalidae | Squalus

Reference/s:

The Marine Genomics Project: Squalus acanthias

***Callorhinchus milii* (Clm)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Chondrichthyes | Holocephali | Chimaeriformes | Callorhinchidae | Callorhinchus

Reference/s:

National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project

Singapore Institute of Molecular and Cell Biology: Elephant Shark Genome Project Webpage

Publication/s:

Venkatesh B *et. al.* , *PLoS Biol* , **5** , e101 (2007).

***Haplochromis burtoni* (Hab)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Actinopterygii | Actinopteri | Neopterygii | Teleostei | Elopoccephala | Clupeoccephala | Euteleostei | Neognathi | Neoteleostei | Eurypterygii | Ctenosquamata | Acanthomorpha | Euacanthomorpha | Holacanthopterygii | Acanthopterygii | Euacanthopterygii | Percomorpha | Perciformes | Labroidei | Cichlidae | African cichlids | Pseudocrenilabrinae | Haplochromini | Haplochromis

Reference/s:

Broad Institute of Harvard and MIT: Tilapia Genome Project

The Gene Index Project: DFCI Astatotilapia burtoni Gene Index

***Labeotropheus fuelleborni str. Domwe Island* (Lf)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Actinopterygii | Actinopteri | Neopterygii | Teleostei | Elopoccephala | Clupeoccephala | Euteleostei | Neognathi | Neoteleostei | Eurypterygii | Ctenosquamata | Acanthomorpha | Euacanthomorpha | Holacanthopterygii | Acanthopterygii | Euacanthopterygii | Percomorpha | Perciformes | Labroidei | Cichlidae | African cichlids | Pseudocrenilabrinae | Haplochromini | Labeotropheus

Reference/s:

National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project

***Lipochromis sp. 'matumbi hunter'* (Lsmh)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Actinopterygii | Actinopteri | Neopterygii | Teleostei | Elopoccephala | Clupeoccephala | Euteleostei | Neognathi | Neoteleostei | Eurypterygii | Ctenosquamata | Acanthomorpha | Euacanthomorpha | Holacanthopterygii | Acanthopterygii | Euacanthopterygii | Percomorpha | Perciformes | Labroidei | Cichlidae | African cichlids | Pseudocrenilabrinae | Haplochromini | Lipochromis

***Maylandia zebra str. Mazinzi Reef* (Mz)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Actinopterygii | Actinopteri | Neopterygii | Teleostei | Elopoccephala | Clupeocephala | Euteleostei | Neognathi | Neoteleostei | Eurypterygii | Ctenosquamata | Acanthomorpha | Euacanthomorpha | Holacanthopterygii | Acanthopterygii | Euacanthopterygii | Percomorpha | Perciformes | Labroidei | Cichlidae | African cichlids | Pseudocrenilabrinae | Haplochromini | Maylandia | Maylandia zebra complex
Reference/s:
National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project

Melanochromis auratus str. Domwe Island (Mla)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Actinopterygii | Actinopteri | Neopterygii | Teleostei | Elopoccephala | Clupeocephala | Euteleostei | Neognathi | Neoteleostei | Eurypterygii | Ctenosquamata | Acanthomorpha | Euacanthomorpha | Holacanthopterygii | Acanthopterygii | Euacanthopterygii | Percomorpha | Perciformes | Labroidei | Cichlidae | African cichlids | Pseudocrenilabrinae | Haplochromini | Melanochromis
Reference/s:
National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project

Paralabidochromis chilotes (Pac)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Actinopterygii | Actinopteri | Neopterygii | Teleostei | Elopoccephala | Clupeocephala | Euteleostei | Neognathi | Neoteleostei | Eurypterygii | Ctenosquamata | Acanthomorpha | Euacanthomorpha | Holacanthopterygii | Acanthopterygii | Euacanthopterygii | Percomorpha | Perciformes | Labroidei | Cichlidae | African cichlids | Pseudocrenilabrinae | Haplochromini | Paralabidochromis

Ptyochromis sp. 'redtail sheller' (Psrs)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Actinopterygii | Actinopteri | Neopterygii | Teleostei | Elopoccephala | Clupeocephala | Euteleostei | Neognathi | Neoteleostei | Eurypterygii | Ctenosquamata | Acanthomorpha | Euacanthomorpha | Holacanthopterygii | Acanthopterygii | Euacanthopterygii | Percomorpha | Perciformes | Labroidei | Cichlidae | African cichlids | Pseudocrenilabrinae | Haplochromini | Ptyochromis

Oreochromis niloticus (Orn)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Actinopterygii | Actinopteri | Neopterygii | Teleostei | Elopoccephala | Clupeocephala | Euteleostei | Neognathi | Neoteleostei | Eurypterygii | Ctenosquamata | Acanthomorpha | Euacanthomorpha | Holacanthopterygii | Acanthopterygii | Euacanthopterygii | Percomorpha | Perciformes | Labroidei | Cichlidae | African cichlids | Pseudocrenilabrinae | Tilapiini | Oreochromis
Reference/s:
Broad Institute of Harvard and MIT: Tilapia Genome Project
National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project

Perca flavescens (Prf)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Actinopterygii | Actinopteri | Neopterygii | Teleostei | Elopoccephala | Clupeocephala | Euteleostei | Neognathi | Neoteleostei | Eurypterygii | Ctenosquamata | Acanthomorpha | Euacanthomorpha | Holacanthopterygii | Acanthopterygii | Euacanthopterygii | Percomorpha | Perciformes | Percoidei | Percidae | Percinae | Perca

Lithognathus mormyrus (Lim)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Actinopterygii | Actinopteri | Neopterygii | Teleostei | Elopoccephala | Clupeocephala | Euteleostei | Neognathi | Neoteleostei | Eurypterygii | Ctenosquamata | Acanthomorpha | Euacanthomorpha | Holacanthopterygii | Acanthopterygii | Euacanthopterygii | Percomorpha | Perciformes | Percoidei | Sparidae | Lithognathus

Sparus aurata (Sa)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Actinopterygii | Actinopteri | Neopterygii | Teleostei | Elopoccephala | Clupeocephala | Euteleostei | Neognathi | Neoteleostei | Eurypterygii | Ctenosquamata | Acanthomorpha | Euacanthomorpha | Holacanthopterygii | Acanthopterygii | Euacanthopterygii | Percomorpha | Perciformes | Percoidei | Sparidae | Sparus

Thunnus thynnus (Tht)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Actinopterygii | Actinopteri | Neopterygii | Teleostei | Elopoccephala | Clupeocephala | Euteleostei | Neognathi | Neoteleostei | Eurypterygii | Ctenosquamata | Acanthomorpha | Euacanthomorpha | Holacanthopterygii | Acanthopterygii | Euacanthopterygii | Percomorpha | Perciformes | Scombroidei | Scombridae | Scombrinae | Thunnini | Thunnus

Hippoglossus hippoglossus (Hh)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Actinopterygii | Actinopteri | Neopterygii | Teleostei | Elopoccephala | Clupeocephala | Euteleostei | Neognathi | Neoteleostei | Eurypterygii | Ctenosquamata | Acanthomorpha | Euacanthomorpha | Holacanthopterygii | Acanthopterygii | Euacanthopterygii | Percomorpha | Pleuronectiformes | Pleuronectoidei | Pleuronectidae | Pleuronectinae | Hippoglossus

Anoplopoma fimbria (Anf)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Actinopterygii | Actinopteri | Neopterygii | Teleostei | Elopoccephala | Clupeocephala | Euteleostei | Neognathi | Neoteleostei | Eurypterygii | Ctenosquamata | Acanthomorpha | Euacanthomorpha | Holacanthopterygii | Acanthopterygii | Euacanthopterygii | Percomorpha | Scorpaeiniformes | Anoplopomatoidei | Anoplopomatidae | Anoplopoma

Oryzias latipes str. Hd-rR (Ol_a)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Actinopterygii | Actinopteri | Neopterygii | Teleostei | Elopoccephala | Clupeocephala | Euteleostei | Neognathi | Neoteleostei | Eurypterygii | Ctenosquamata | Acanthomorpha | Euacanthomorpha | Holacanthopterygii | Acanthopterygii | Euacanthopterygii | Percomorpha | Smegmamorpha | Atherinomorpha | Beloniformes | Adrianichthyoidei | Adrianichthyidae | Oryziinae | Oryzias

Reference/s:
GenBank - NIH genetic sequence database: GenBank species TBLASTN
NIG DNA Sequencing Center: Medaka Genome Sequencing Project
National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project
The Gene Index Project: DFCI Oryzias latipes Gene Index
UCSC Genome Bioinformatics: Medaka (Oryzias latipes) Genome Browser Gateway
e! Ensembl: Medaka

Publication/s:
Kasahara M *et. al.* , *Nature* , **447** , 714 (2007).
Kimura T *et. al.* , *Mech Dev* , **121** , 915 (2004).

Oryzias latipes str. HNI (Ol_b)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Actinopterygii | Actinopteri | Neopterygii | Teleostei | Elopoccephala | Clupeocephala | Euteleostei | Neognathi | Neoteleostei | Eurypterygii | Ctenosquamata | Acanthomorpha | Euacanthomorpha | Holacanthopterygii | Acanthopterygii | Euacanthopterygii | Percomorpha | Smegmamorpha | Atherinomorpha | Beloniformes | Adrianichthyoidei | Adrianichthyidae | Oryziinae | Oryzias

Reference/s:
GenBank - NIH genetic sequence database: GenBank species TBLASTN
National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project
The Gene Index Project: DFCI Oryzias latipes Gene Index
Publication/s:
Kasahara M *et. al.* , *Nature* , **447** , 714 (2007).
Kimura T *et. al.* , *Mech Dev* , **121** , 915 (2004).

Fundulus heteroclitus (Fh)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Actinopterygii | Actinopteri | Neopterygii | Teleostei | Elopoccephala | Clupeocephala | Euteleostei | Neognathi | Neoteleostei | Eurypterygii | Ctenosquamata | Acanthomorpha | Euacanthomorpha | Holacanthopterygii | Acanthopterygii | Euacanthopterygii | Percomorpha | Smegmamorpha | Atherinomorpha | Cyprinodontiformes | Cyprinodontoidei | Fundulidae | Fundulus

Reference/s:
FunnyBase Expressed Gene Database: Annotated Fundulus Heteroclitus EST Gene Expression Database
The Gene Index Project: DFCI Fundulus heteroclitus (Killifish) Gene Index
The Marine Genomics Project: Fundulus species
Publication/s:
Paschall JE *et. al.* , *BMC Genomics* , **5** , 96 (2004).

Poecilia reticulata (Por)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Actinopterygii | Actinopteri | Neopterygii | Teleostei | Elopoccephala | Clupeocephala | Euteleostei | Neognathi | Neoteleostei | Eurypterygii | Ctenosquamata | Acanthomorpha | Euacanthomorpha | Holacanthopterygii | Acanthopterygii | Euacanthopterygii | Percomorpha | Smegmamorpha | Atherinomorpha | Cyprinodontiformes | Cyprinodontoidei | Poeciliidae | Poeciliinae | Poecilia

Xiphophorus maculatus x Xiphophorus helleri (Xx)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Actinopterygii | Actinopteri | Neopterygii | Teleostei | Elopoccephala | Clupeocephala | Euteleostei | Neognathi | Neoteleostei | Eurypterygii | Ctenosquamata | Acanthomorpha | Euacanthomorpha | Holacanthopterygii | Acanthopterygii | Euacanthopterygii | Percomorpha | Smegmamorpha | Atherinomorpha | Cyprinodontiformes | Cyprinodontoidei | Poeciliidae | Poeciliinae | Xiphophorus

Gasterosteus aculeatus (Ga)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Actinopterygii | Actinopteri | Neopterygii | Teleostei | Elopoccephala | Clupeocephala | Euteleostei | Neognathi | Neoteleostei | Eurypterygii | Ctenosquamata | Acanthomorpha | Euacanthomorpha | Holacanthopterygii | Acanthopterygii | Euacanthopterygii | Percomorpha | Smegmamorpha | Gasterosteiformes/Syngnathiformes group | Gasterosteiformes | Gasterosteidae | Gasterosteus

Reference/s:
Broad Institute of Harvard and MIT: Stickleback Genome Sequencing Project
National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project
UCSC Genome Bioinformatics: Stickleback (Gasterosteus aculeatus) Genome Browser Gateway
e! Ensembl: Stickleback

Takifugu rubripes (Tar)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Actinopterygii | Actinopteri | Neopterygii | Teleostei | Elopoccephala | Clupeocephala | Euteleostei | Neognathi | Neoteleostei | Eurypterygii | Ctenosquamata | Acanthomorpha | Euacanthomorpha | Holacanthopterygii | Acanthopterygii | Euacanthopterygii | Percomorpha | Tetraodontiformes | Tetraodontoidei | Tetradontoidea | Tetraodontidae | Takifugu

Reference/s:
DOE Joint Genome Institute: Fugu rubripes
GenBank - NIH genetic sequence database: GenBank species TBLASTN
International Species Sequencing Consortium: Takifugu rubripes Sequencing Consortium

National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project
School of Biological & Chemical Sciences: The Fugu Genomics Project
Singapore Institute of Molecular and Cell Biology: Fugu Genome Project
The Gene Index Project: DFCI Takifugu Gene Index
UCSC Genome Bioinformatics: Takifugu rubripes Genome Browser Gateway
e! Ensembl: Fugu
Publication/s:
Kai W *et. al.* , *Genome Biol Evol* , **3** , 424 (2011).
Clark MS *et. al.* , *Genome Res* , **13** , 2747 (2003).
Aparicio S *et. al.* , *Science* , **297** , 1301 (2002).

***Tetraodon nigroviridis* (Tn)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Actinopterygii | Actinopteri | Neopterygii | Teleostei | Elopocephala | Clupeocephala | Euteleostei | Neognathi | Neoteleostei | Eurypterygii | Ctenosquamata | Acanthomorpha | Euacanthomorpha | Holacanthopterygii | Acanthopterygii | Euacanthopterygii | Percomorpha | Tetraodontiformes | Tetraodontoidei | Tetradontoidea | Tetraodontidae | Tetraodon
Reference/s:
Broad Institute of Harvard and MIT: Tetraodon nigroviridis Database
Genoscope: Tetraodon nigroviridis - A fish with a compact genome
International Species Sequencing Consortium: Tetraodon nigroviridis Sequencing Consortium
National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project
UCSC Genome Bioinformatics: Tetraodon nigroviridis Genome Browser Gateway
e! Ensembl: Tetraodon
Publication/s:
Jaillon O *et. al.* , *Nature* , **431** , 946 (2004).

***Gadus morhua* (Gm)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Actinopterygii | Actinopteri | Neopterygii | Teleostei | Elopocephala | Clupeocephala | Euteleostei | Neognathi | Neoteleostei | Eurypterygii | Ctenosquamata | Acanthomorpha | Euacanthomorpha | Holacanthopterygii | Paracanthopterygii | Gadiformes | Gadidae | Gadus
Reference/s:
Codgenome: The cod genome project
International Species Sequencing Consortium: Atlantic Cod Sequencing Consortium
National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project
Publication/s:
Star B *et. al.* , *Nature* , **477** , 207 (2011).

***Osmerus mordax* (Osm)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Actinopterygii | Actinopteri | Neopterygii | Teleostei | Elopocephala | Clupeocephala | Euteleostei | Protacanthopterygii | Osmeriformes | Osmeroidei | Osmeroidea | Osmeridae | Osmerinae | Osmerini | Osmerus

***Oncorhynchus mykiss* (Om)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Actinopterygii | Actinopteri | Neopterygii | Teleostei | Elopocephala | Clupeocephala | Euteleostei | Protacanthopterygii | Salmoniformes | Salmonoidei | Salmonidae | Salmoninae | Oncorhynchus
Reference/s:
GenBank - NIH genetic sequence database: GenBank species TBLASTN
The Gene Index Project: DFCI Oncorhynchus mykiss (Rainbow trout) Gene Index
Publication/s:
Rise ML *et. al.* , *Genome Res* , **14** , 478 (2004).
Rexroad CE 3rd *et. al.* , *Cytogenet Genome Res* , **102** , 347 (2003).

***Oncorhynchus nerka* (On)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Actinopterygii | Actinopteri | Neopterygii | Teleostei | Elopocephala | Clupeocephala | Euteleostei | Protacanthopterygii | Salmoniformes | Salmonoidei | Salmonidae | Salmoninae | Oncorhynchus

***Salmo salar* (Sas)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Actinopterygii | Actinopteri | Neopterygii | Teleostei | Elopocephala | Clupeocephala | Euteleostei | Protacanthopterygii | Salmoniformes | Salmonoidei | Salmonidae | Salmoninae | Salmo
Reference/s:
GenBank - NIH genetic sequence database: GenBank species TBLASTN
National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project
The Gene Index Project: DFCI Salmo salar Gene Index
Publication/s:
Rise ML *et. al.* , *Genome Res* , **14** , 478 (2004).

***Salvelinus fontinalis* (Saf)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Actinopterygii | Actinopteri | Neopterygii | Teleostei | Elopocephala | Clupeocephala | Euteleostei | Protacanthopterygii | Salmoniformes | Salmonoidei | Salmonidae | Salmoninae | Salvelinus

***Cyprinus carpio* (Cyc)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Actinopterygii | Actinopteri | Neopterygii | Teleostei | Elopoccephala | Clupeocephala | Otocephala | Ostariophysi | Otophysi | Cypriniphysi | Cypriniformes | Cyprinoidea | Cyprinidae | Cyprinus

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN

Publication/s:

Gracey AY *et. al.* , *Proc Natl Acad Sci U S A* , **101** , 16970 (2004).

***Brachydanio rerio str. Tuebingen* (Br)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Actinopterygii | Actinopteri | Neopterygii | Teleostei | Elopoccephala | Clupeocephala | Otocephala | Ostariophysi | Otophysi | Cypriniphysi | Cypriniformes | Cyprinoidea | Cyprinidae | Danio

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN

National Center for Biotechnology Information: Zebrafish Sequencing Project

National Center for Biotechnology Information: Zebrafish Gene Collection

National Center for Biotechnology Information Reference Sequences: Danio rerio (zebrafish) genome view

The Gene Index Project: DFCI Zebrafish (Danio rerio) Gene Index

The Wellcome Trust Sanger Institute: The Danio rerio Sequencing Project

UCSC Genome Bioinformatics: Danio rerio Genome Browser Gateway

ZFIN The Zebrafish Information Network: The Zebrafish Model Organism Database

e! Ensembl: Zebrafish

Publication/s:

Gerhard DS *et. al.* , *Genome Res* , **14** , 2121 (2004).

Lo J *et. al.* , *Genome Res* , **13** , 455 (2003).

Strausberg RL *et. al.* , *Proc Natl Acad Sci U S A* , **99** , 16899 (2002).

***Gobiocypris rarus* (Gbr)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Actinopterygii | Actinopteri | Neopterygii | Teleostei | Elopoccephala | Clupeocephala | Otocephala | Ostariophysi | Otophysi | Cypriniphysi | Cypriniformes | Cyprinoidea | Cyprinidae | Gobiocypris

***Pimephales promelas* (Pip)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Actinopterygii | Actinopteri | Neopterygii | Teleostei | Elopoccephala | Clupeocephala | Otocephala | Ostariophysi | Otophysi | Cypriniphysi | Cypriniformes | Cyprinoidea | Cyprinidae | Pimephales

***Rutilus rutilus* (Rr)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Actinopterygii | Actinopteri | Neopterygii | Teleostei | Elopoccephala | Clupeocephala | Otocephala | Ostariophysi | Otophysi | Cypriniphysi | Cypriniformes | Cyprinoidea | Cyprinidae | Rutilus

***Ictalurus punctatus* (Ip)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Actinopterygii | Actinopteri | Neopterygii | Teleostei | Elopoccephala | Clupeocephala | Otocephala | Ostariophysi | Otophysi | Siluriphysi | Siluriformes | Ictaluridae | Ictalurus

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN

International Species Sequencing Consortium: Channel catfish Sequencing Consortium

The Gene Index Project: DFCI Ictalurus punctatus (Catfish) Gene Index

Publication/s:

Ju Z *et. al.* , *Gene* , **261** , 373 (2000).

***Latimeria chalumnae* (Lac)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Coelacanthimorpha | Coelacanthiformes | Coelacanthidae | Latimeria

Reference/s:

Broad Institute of Harvard and MIT: Coelacanth Genome Project

GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS

***Ornithorhynchus anatinus* (Ora)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Prototheria | Monotremata | Ornithorhynchidae | Ornithorhynchus

Reference/s:

International Species Sequencing Consortium: Ornithorhynchus anatinus Sequencing Consortium

National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project

The Genome Sequencing Center at Washington University: Ornithorhynchus anatinus

UCSC Genome Bioinformatics: Platypus (Ornithorhynchus anatinus) Genome Browser Gateway

e! Ensembl: Platypus

Publication/s:

Warren WC *et. al.* , *Nature* , **453** , 175 (2008).

***Loxodonta africana* (La)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Eutheria | Afrotheria | Proboscidea | Elephantidae | Loxodonta

Reference/s:
Broad Institute of Harvard and MIT: Elephant
National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project
UCSC Genome Bioinformatics: Elephant (Loxodonta africana) Genome Browser Gateway
e! Ensembl: Elephant

***Echinops telfairi* (Ect)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Eutheria | Afrotheria | Tenrecidae | Tenrecinae | Echinops

Reference/s:
Broad Institute of Harvard and MIT: Mammalian Genome Project
National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project
e! Ensembl: Lesser Hedgehog Tenrec

***Oryctolagus cuniculus* (Oc)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Eutheria | Euarchontoglires | Glires | Lagomorpha | Leporidae | Oryctolagus

Reference/s:
Broad Institute of Harvard and MIT: Rabbit Genome Sequencing Project
National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project
National Center for Biotechnology Information Reference Sequences: Oryctolagus cuniculus (European rabbit) genome view
UCSC Genome Bioinformatics: Rabbit (Oryctolagus cuniculus) Genome Browser Gateway
e! Ensembl: Rabbit

***Cavia porcellus str. inbred* (Cvp)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Eutheria | Euarchontoglires | Glires | Rodentia | Hystricognathi | Caviidae | Cavia

Reference/s:
Broad Institute of Harvard and MIT: Guinea pig
National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project
UCSC Genome Bioinformatics: Guinea pig (Cavia porcellus) Genome Browser Gateway
e! Ensembl: Guinea Pig

***Cavia porcellus* (Cav)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Eutheria | Euarchontoglires | Glires | Rodentia | Hystricognathi | Caviidae | Cavia

***Mus musculus str. mixed* (Mm_a)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Eutheria | Euarchontoglires | Glires | Rodentia | Sciurognathi | Muroidea | Muridae | Murinae | Mus | Mus

Reference/s:
National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project
National Center for Biotechnology Information Reference Sequences: Mouse Genome Resources

***Mus musculus C57BL/6J* (Mm)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Eutheria | Euarchontoglires | Glires | Rodentia | Sciurognathi | Muroidea | Muridae | Murinae | Mus | Mus

Reference/s:
Broad Institute of Harvard and MIT: Mouse Genome Data
GenBank - NIH genetic sequence database: GenBank species TBLASTN
Human Genome Sequencing Center at Baylor College of Medicine: Mouse Genome Project
International Species Sequencing Consortium: Mus musculus Sequencing Consortium
NCBI Mammalian Gene Collection: Mus musculus
National Center for Biotechnology Information: Mouse Sequencing Project
National Center for Biotechnology Information Reference Sequences: Mouse Genome Resources
The Gene Index Project: DFCI Mouse (Mus musculus) Gene Index
The Genome Sequencing Center at Washington University: Mus musculus
The Jackson Laboratory: Mouse Genome Informatics
UCSC Genome Bioinformatics: Mus musculus Genome Browser Gateway
e! Ensembl: Mouse

Publication/s:
Gnerre S *et. al.* , *Proc Natl Acad Sci U S A* , **108** , 1513 (2010).
Carninci P *et. al.* , *Science* , **309** , 1559 (2005).
Gerhard DS *et. al.* , *Genome Res* , **14** , 2121 (2004).
Strausberg RL *et. al.* , *Proc Natl Acad Sci U S A* , **99** , 16899 (2002).
Okazaki Y *et. al.* , *Nature* , **420** , 563 (2002).
Waterston RH *et. al.* , *Nature* , **420** , 520 (2002).

Kawai J *et. al.* , *Nature* , **409** , 685 (2001).

Rattus norvegicus BN/Sprague-Dawley (Rn_a)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Eutheria | Euarchontoglires | Glires | Rodentia | Sciurognathi | Muroidea | Muridae | Murinae | Rattus
Reference/s:
National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project
National Center for Biotechnology Information Reference Sequences: Rattus norvegicus (rat) genome view

Rattus norvegicus BN/SsNHsdMCW (Rn)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Eutheria | Euarchontoglires | Glires | Rodentia | Sciurognathi | Muroidea | Muridae | Murinae | Rattus
Reference/s:
Bioinformatics Program, HMGC: Rat Genome Database
Human Genome Sequencing Center at Baylor College of Medicine: Rat Genome Project
International Species Sequencing Consortium: Rattus norvegicus Sequencing Consortium
NCBI Mammalian Gene Collection: Rattus norvegicus
National Center for Biotechnology Information: Rat Sequencing Project
National Center for Biotechnology Information Reference Sequences: Rattus norvegicus (rat) genome view
The Gene Index Project: DFCI Rat (Rattus norvegicus) Gene Index
UCSC Genome Bioinformatics: Rattus norvegicus Genome Browser Gateway
e! Ensembl: Rat
Publication/s:
Gerhard DS *et. al.* , *Genome Res* , **14** , 2121 (2004).
Gibbs RA *et. al.* , *Nature* , **428** , 493 (2004).
Strausberg RL *et. al.* , *Proc Natl Acad Sci U S A* , **99** , 16899 (2002).

Spermophilus tridecemlineatus (Spt)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Eutheria | Euarchontoglires | Glires | Rodentia | Sciurognathi | Sciuridae | Xerinae | Mamotini | Ictidomys
Reference/s:
Broad Institute of Harvard and MIT: Mammalian Genome Project
National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project
e! Ensembl: Squirrel

Macaca nemestrina (Mn)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Eutheria | Euarchontoglires | Primates | Haplorrhini | Simiiformes | Catarrhini | Cercopithecoidea | Cercopithecidae | Cercopithecinae | Macaca

Macaca mulatta Indian origin (Mam)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Eutheria | Euarchontoglires | Primates | Haplorrhini | Simiiformes | Catarrhini | Cercopithecoidea | Cercopithecidae | Cercopithecinae | Macaca
Reference/s:
GenBank - NIH genetic sequence database: GenBank species TBLASTN
Human Genome Sequencing Center at Baylor College of Medicine: Rhesus Monkey Genome Project
International Species Sequencing Consortium: Macaca mulatta Sequencing Consortium
National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project
National Center for Biotechnology Information Reference Sequences: Rhesus Macaque Genome Resources
The Genome Sequencing Center at Washington University: Macaca mulatta
UCSC Genome Bioinformatics: Macaca mulatta Genome Browser Gateway
e! Ensembl: Rhesus macaque
Publication/s:
Gibbs RA *et. al.* , *Science* , **316** , 222 (2007).
Magness CL *et. al.* , *Genome Biol* , **6** , R60 (2005).

Macaca fascicularis (Mf)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Eutheria | Euarchontoglires | Primates | Haplorrhini | Simiiformes | Catarrhini | Cercopithecoidea | Cercopithecidae | Cercopithecinae | Macaca
Reference/s:
GenBank - NIH genetic sequence database: GenBank species TBLASTN
National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project
Publication/s:
Wang HY *et. al.* , *PLoS Biol* , **5** , e13 (2007).
Osada N *et. al.* , *Mol Biol Evol* , **22** , 1976 (2005).
Magness CL *et. al.* , *Genome Biol* , **6** , R60 (2005).

Papio anubis (Pan)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Eutheria | Euarchontoglires | Primates | Haplorrhini | Simiiformes | Catarrhini | Cercopithecoidea | Cercopithecidae | Cercopithecinae | Papio

***Gorilla gorilla gorilla* (Ggg)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Eutheria | Euarchontoglires | Primates | Haplorrhini | Simiiformes | Catarrhini | Hominoidea | Hominidae | Homininae | Gorilla | Gorilla gorilla
Reference/s:
International Species Sequencing Consortium: Gorilla Sequencing Consortium
National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project
e! Ensembl: Gorilla (Gorilla gorilla)
Publication/s:
Sally A *et. al.* , *Nature* , **483** , 169 (2012).

***Homo sapiens* JCVenter (Hs_a)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Eutheria | Euarchontoglires | Primates | Haplorrhini | Simiiformes | Catarrhini | Hominoidea | Hominidae | Homininae | Homo
Reference/s:
International Species Sequencing Consortium: JCVenter Genome Sequencing
National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project
Publication/s:
Levy S *et. al.* , *PLoS Biol* , **5** , e254 (2007).

***Homo sapiens* (Hs)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Eutheria | Euarchontoglires | Primates | Haplorrhini | Simiiformes | Catarrhini | Hominoidea | Hominidae | Homininae | Homo
Reference/s:
GenBank - NIH genetic sequence database: GenBank species TBLASTN
Human Genome Sequencing Center at Baylor College of Medicine: HapMap 3 and ENCODE 3
International Species Sequencing Consortium: Homo sapiens Sequencing Consortium
NCBI Mammalian Gene Collection: Homo sapiens
National Center for Biotechnology Information: Human Sequencing Project
National Center for Biotechnology Information Reference Sequences: Human Genome Resource
The Gene Index Project: DFCI Human (Homo sapiens) Gene Index
The Genome Sequencing Center at Washington University: Homo sapiens
UCSC Genome Bioinformatics: Homo sapiens Genome Browser Gateway
e! Ensembl: Human
Publication/s:
Gnerre S *et. al.* , *Proc Natl Acad Sci U S A* , **108** , 1513 (2010).
Zody MC *et. al.* , *Nature* , **440** , 671 (2006).
Zody MC *et. al.* , *Nature* , **440** , 1045 (2006).
Scherer SE *et. al.* , *Nature* , **440** , 346 (2006).
Muzny DM *et. al.* , *Nature* , **440** , 1194 (2006).
Kimura K *et. al.* , *Genome Res* , **16** , 55 (2006).
Gregory SG *et. al.* , *Nature* , **441** , 315 (2006).
Taylor TD *et. al.* , *Nature* , **440** , 497 (2006).
Nusbaum C *et. al.* , *Nature* , **439** , 331 (2006).
Nusbaum C *et. al.* , *Nature* , **437** , 551 (2005).
Hillier LW *et. al.* , *Nature* , **434** , 724 (2005).
Ross MT *et. al.* , *Nature* , **434** , 325 (2005).
Gerhard DS *et. al.* , *Genome Res* , **14** , 2121 (2004).
Rual JF *et. al.* , *Genome Res* , **14** , 2128 (2004).
Brandenberger R *et. al.* , *Nat Biotechnol* , **22** , 707 (2004).
Grimwood J *et. al.* , *Nature* , **428** , 529 (2004).
Collins JE *et. al.* , *Genome Biol* , **5** , R84 (2004).
Ota T *et. al.* , *Nat Genet* , **36** , 40 (2004).
Dunham A *et. al.* , *Nature* , **428** , 522 (2004).
Deloukas P *et. al.* , *Nature* , **429** , 375 (2004).
Humphray SJ *et. al.* , *Nature* , **429** , 369 (2004).
Imanishi T *et. al.* , *PLoS Biol* , **2** , e162 (2004).
Schmutz J *et. al.* , *Nature* , **431** , 268 (2004).
Martin J *et. al.* , *Nature* , **432** , 988 (2004).
Mungall AJ *et. al.* , *Nature* , **425** , 805 (2003).
Hillier LW *et. al.* , *Nature* , **424** , 157 (2003).
Heilig R *et. al.* , *Nature* , **421** , 601 (2003).
Strausberg RL *et. al.* , *Proc Natl Acad Sci U S A* , **99** , 16899 (2002).
Deloukas P *et. al.* , *Nature* , **414** , 865 (2001).
Venter JC *et. al.* , *Science* , **291** , 1304 (2001).
Lander ES *et. al.* , *Nature* , **409** , 860 (2001).
Dias Neto E *et. al.* , *Proc Natl Acad Sci U S A* , **97** , 3491 (2000).
Hattori M *et. al.* , *Nature* , **405** , 311 (2000).
Dunham I *et. al.* , *Nature* , **402** , 489 (1999).

***Pan troglodytes* (Pat)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Eutheria | Euarchontoglires | Primates | Haplorrhini | Simiiformes | Catarrhini | Hominoidea | Hominidae | Homininae | Pan

Reference/s:
GenBank - NIH genetic sequence database: GenBank species TBLASTN
Human Genome Sequencing Center at Baylor College of Medicine: Chimpanzee Genome Analysis
International Species Sequencing Consortium: Pan troglodytes Sequencing Consortium
National Center for Biotechnology Information: Chimpanzee Sequencing Project
National Center for Biotechnology Information Reference Sequences: Pan troglodytes (chimpanzee) genome view
The Genome Sequencing Center at Washington University: Pan troglodytes
UCSC Genome Bioinformatics: Pan troglodytes Genome Browser Gateway
e! Ensembl: Chimp

Publication/s:
Hughes JF *et. al.* , *Nature* , **437** , 100 (2005).
Chimpanzee Sequencing and Analysis Consortium , *Nature* , **437** , 69 (2005).
Watanabe H *et. al.* , *Nature* , **429** , 382 (2004).
Sakate R *et. al.* , *Genome Res* , **13** , 1022 (2003).
Hellmann I *et. al.* , *Genome Res* , **13** , 831 (2003).

***Pongo abelii* (Pna)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Eutheria | Euarchontoglires | Primates | Haplorrhini | Simiiformes | Catarrhini | Hominoidea | Hominidae | Ponginae | Pongo

Reference/s:
Human Genome Sequencing Center at Baylor College of Medicine: Orangutan Genome Project
International Species Sequencing Consortium: Orangutan Sequencing Consortium
National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project
National Center for Biotechnology Information Reference Sequences: Pongo abelii (Sumatran orangutan) genome view
The Genome Sequencing Center at Washington University: Sumatran Orangutan
UCSC Genome Bioinformatics: Orangutan (Pongo pygmaeus abelii) Genome Browser Gateway
e! Ensembl: Orangutan (Pongo pygmaeus)

Publication/s:
Locke DP *et. al.* , *Nature* , **469** , 529 (2011).

***Callithrix jacchus* (Caj)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Eutheria | Euarchontoglires | Primates | Haplorrhini | Simiiformes | Platyrrhini | Cebidae | Callitrichinae | Callithrix

Reference/s:
Human Genome Sequencing Center at Baylor College of Medicine: Marmoset Genome Project
National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project
National Center for Biotechnology Information Reference Sequences: Callithrix jacchus (white-tufted-ear marmoset) genome view
The Genome Sequencing Center at Washington University: Callithrix jacchus
UCSC Genome Bioinformatics: Marmoset (Callithrix jacchus) Genome Browser Gateway
e! Ensembl: Marmoset (Callithrix jacchus)

***Microcebus murinus* (Mim)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Eutheria | Euarchontoglires | Primates | Strepsirrhini | Lemuriformes | Cheirogaleidae | Microcebus

Reference/s:
Broad Institute of Harvard and MIT: Mammalian Genome Project
National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project
e! Ensembl: Mouse Lemur (Microcebus murinus)

***Otolemur garnettii* (Otg)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Eutheria | Euarchontoglires | Primates | Strepsirrhini | Lorisiformes | Galagidae | Otolemur

Reference/s:
Broad Institute of Harvard and MIT: Mammalian Genome Project
National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project
e! Ensembl: Bushbaby

***Tupaia belangeri* (Tub)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Eutheria | Euarchontoglires | Scandentia | Tupaiidae | Tupaia

Reference/s:
Broad Institute of Harvard and MIT: Mammalian Genome Project
National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project
e! Ensembl: Treeshrew

***Canis lupus familiaris breed poodle* (Caf_a)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Eutheria | Laurasiatheria | Carnivora | Caniformia | Canidae | Canis | Canis lupus

Reference/s:

National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project

Publication/s:

Kirkness EF *et. al.* , *Science* , **301** , 1898 (2003).

Canis lupus familiaris breed boxer (Caf)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Eutheria | Laurasiatheria | Carnivora | Caniformia | Canidae | Canis | Canis lupus

Reference/s:

Broad Institute of Harvard and MIT: Dog Genome Sequencing Project

International Species Sequencing Consortium: Canis familiaris Sequencing Consortium

National Center for Biotechnology Information: Dog Sequencing Project

National Center for Biotechnology Information Reference Sequences: Dog Genome Resources

The Gene Index Project: DFCI Canis familiaris Gene Index

UCSC Genome Bioinformatics: Canis familiaris Genome Browser Gateway

e! Ensembl: Dog

Publication/s:

Lindblad-Toh K *et. al.* , *Nature* , **438** , 803 (2005).

Canis lupus familiaris breed beagle (Caf_b)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Eutheria | Laurasiatheria | Carnivora | Caniformia | Canidae | Canis | Canis lupus

Ailuropoda melanoleuca (Aim)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Eutheria | Laurasiatheria | Carnivora | Caniformia | Ursidae | Ailuropoda

Reference/s:

International Species Sequencing Consortium: Giant Panda Sequencing Consortium

National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project

National Center for Biotechnology Information Reference Sequences: Ailuropoda melanoleuca (giant panda) genome view

UCSC Genome Bioinformatics: Panda (Ailuropoda melanoleuca) Genome Browser Gateway

e! Ensembl: Giant Panda (Ailuropoda melanoleuca)

Publication/s:

Li R *et. al.* , *Nature* , **463** , 311 (2010).

Felis catus (Fc)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Eutheria | Laurasiatheria | Carnivora | Feliformia | Felidae | Felinae | Felis

Reference/s:

Broad Institute of Harvard and MIT: Mammalian Genome Project

International Species Sequencing Consortium: Felis catus Sequencing Consortium

National Center for Biotechnology Information: Cat Sequencing Project

UCSC Genome Bioinformatics: Cat (Felis catus) Genome Browser Gateway

e! Ensembl: Cat

Publication/s:

Pontius JU *et. al.* , *Genome Res* , **17** , 1675 (2007).

Bos taurus (Bt)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Eutheria | Laurasiatheria | Cetartiodactyla | Ruminantia | Pecora | Bovidae | Bovinae | Bos

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN

Human Genome Sequencing Center at Baylor College of Medicine: Bovine Genome Project

International Species Sequencing Consortium: Bos taurus Sequencing Consortium

NCBI Mammalian Gene Collection: Bos taurus

National Center for Biotechnology Information: Cow Sequencing Project

National Center for Biotechnology Information Reference Sequences: Bos taurus (cattle) genome view

The Gene Index Project: DFCI Cattle (Bos taurus) Gene Index

UCSC Genome Bioinformatics: Bos taurus Genome Browser Gateway

e! Ensembl: Cow

Publication/s:

Zimin AV *et. al.* , *Genome Biol* , **10** , R42 (2009).

Elsik CG *et. al.* , *Science* , **324** , 522 (2009).

Sonstegard TS *et. al.* , *Mamm Genome* , **13** , 373 (2002).

Takasuga A *et. al.* , *Nucleic Acids Res* , **29** , E108 (2001).

Smith TP *et. al.* , *Genome Res* , **11** , 626 (2001).

Capra hircus (Cah)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Eutheria | Laurasiatheria | Cetartiodactyla | Ruminantia | Pecora | Bovidae | Caprinae | Capra

Ovis aries (Oa)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Eutheria | Laurasiatheria | Cetartiodactyla | Ruminantia | Pecora | Bovidae | Caprinae | Ovis

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN

National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project

Publication/s:

Hecht J *et. al.* , *BMC Genomics* , **7** , 172 (2006).

Adelson DL *et. al.* , *Genomics* , **83** , 95 (2004).

***Sus scrofa domestica* (Ss)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Eutheria | Laurasiatheria | Cetartiodactyla | Suina | Suidae | Sus | Sus scrofa

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN

National Center for Biotechnology Information: Pig Sequencing Project

PEDE: Pig Expression Data Explorer

The Gene Index Project: DFCI Porcine (Sus scrofa) Gene Index

The Wellcome Trust Sanger Institute: Porcine Genome Sequencing Project

UCSC Genome Bioinformatics: Pig (Sus scrofa) Genome Browser Gateway

e! Ensembl: Pig (Sus scrofa)

Publication/s:

Unishi H *et. al.* , *Nucleic Acids Res* , **32** , D484 (2004).

Fahrenkrug SC *et. al.* , *Mamm Genome* , **13** , 475 (2002).

Davoli R *et. al.* , *Anim Genet* , **33** , 3 (2002).

***Myotis lucifugus* (Myl)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Eutheria | Laurasiatheria | Chiroptera | Microchiroptera | Vespertilionidae | Myotis

Reference/s:

Broad Institute of Harvard and MIT: Little brown bat

National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project

e! Ensembl: Microbat

***Erinaceus europaeus* (Ere)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Eutheria | Laurasiatheria | Insectivora | Erinaceidae | Erinaceinae | Erinaceus

Reference/s:

Broad Institute of Harvard and MIT: Mammalian Genome Project

National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project

e! Ensembl: Hedgehog

***Sorex araneus* (Soa)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Eutheria | Laurasiatheria | Insectivora | Soricidae | Soricinae | Sorex

Reference/s:

Broad Institute of Harvard and MIT: Mammalian Genome Project

National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project

e! Ensembl: Common Shrew

***Equus caballus* (Eqc)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Eutheria | Laurasiatheria | Perissodactyla | Equidae | Equus | Equus subg. Equus

Reference/s:

Broad Institute of Harvard and MIT: Horse Genome Project

International Species Sequencing Consortium: Domestic horse Sequencing Consortium

National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project

UCSC Genome Bioinformatics: Horse (Equus caballus) Genome Browser Gateway

e! Ensembl: Horse (Equus caballus)

Publication/s:

Wade CM *et. al.* , *Science* , **326** , 865 (2009).

***Dasypus novemcinctus* (Dn)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Eutheria | Xenarthra | Cingulata | Dasypodidae | Dasybus

Reference/s:

Broad Institute of Harvard and MIT: Mammalian Genome Project

National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project

e! Ensembl: Armadillo

***Sminthopsis crassicaudata* (Smc)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Metatheria | Dasyuromorphia | Dasyuridae | Sminthopsis

***Monodelphis domestica* (Md)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Metatheria | Didelphimorphia | Didelphidae | Didelphinae | Monodelphis

Reference/s:

Broad Institute of Harvard and MIT: Opossum Genome

International Species Sequencing Consortium: Monodelphis domestica Sequencing Consortium

National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project

National Center for Biotechnology Information Reference Sequences: Gray Short-tailed Opossum Genome Resources

UCSC Genome Bioinformatics: Monodelphis domestica Genome Browser Gateway

e! Ensembl: Opossum

Publication/s:

Mikkelsen TS *et. al.* , *Nature* , **447** , 167 (2007).

***Macropus eugenii* (Mae)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Metatheria | Diprotodontia | Macropodidae | Macropus

Reference/s:

Human Genome Sequencing Center at Baylor College of Medicine: Wallaby Genome Project

International Species Sequencing Consortium: Wallaby Sequencing Consortium

National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project

e! Ensembl: Wallaby (Macropus eugenii)

Publication/s:

Renfree MB *et. al.* , *Genome Biol* , **12** , R81 (2011).

***Trichosurus vulpecula* (Tcv)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Mammalia | Theria | Metatheria | Diprotodontia | Phalangeridae | Trichosurus

***Meleagris gallopavo* (Meg)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Sauropsida | Sauria | Archosauria | Dinosauria | Saurischia | Theropoda | Coelurosauria | Aves | Neognathae | Galliformes | Phasianidae | Meleagridinae | Meleagris

Reference/s:

International Species Sequencing Consortium: Meleagris Sequencing Consortium

National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project

Publication/s:

Dalloul RA *et. al.* , *PLoS Biol* , **8** , e1000475 (2010).

***Gallus gallus* (Gg)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Sauropsida | Sauria | Archosauria | Dinosauria | Saurischia | Theropoda | Coelurosauria | Aves | Neognathae | Galliformes | Phasianidae | Phasianinae | Gallus

Reference/s:

ChickEST Database: Gallus gallus EST database

GenBank - NIH genetic sequence database: GenBank species TBLASTN

International Species Sequencing Consortium: Gallus gallus Sequencing Consortium

National Center for Biotechnology Information: Chicken Sequencing Project

The Gene Index Project: DFCI Gallus gallus (Chicken) Gene Index

The Genome Sequencing Center at Washington University: Gallus gallus

UCSC Genome Bioinformatics: Gallus gallus Genome Browser Gateway

e! Ensembl: Chicken

Publication/s:

Shin JH *et. al.* , *Anim Genet* , **37** , 85 (2006).

Shin JH *et. al.* , *Anim Genet* , **36** , 346 (2005).

Savolainen P *et. al.* , *Cytogenet Genome Res* , **111** , 79 (2005).

Caldwell RB *et. al.* , *Genome Biol* , **6** , R6 (2005).

Hubbard SJ *et. al.* , *Genome Res* , **15** , 174 (2005).

Hillier LW *et. al.* , *Nature* , **432** , 695 (2004).

Boardman PE *et. al.* , *Curr Bio* , **12** , 1965 (2002).

***Taeniopygia guttata* (Tag)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Sauropsida | Sauria | Archosauria | Dinosauria | Saurischia | Theropoda | Coelurosauria | Aves | Neognathae |

Passeriformes | Passeroidea | Estrildidae | Estrildinae | Taeniopygia

Reference/s:

International Species Sequencing Consortium: Taeniopygia Sequencing Consortium

National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project

National Center for Biotechnology Information Reference Sequences: Taeniopygia guttata (zebra finch) genome view

The Genome Sequencing Center at Washington University: Taeniopygia guttata

UCSC Genome Bioinformatics: Zebra finch (Taeniopygia guttata) Genome Browser Gateway

e! Ensembl: Zebra Finch (Taeniopygia guttata)

Publication/s:

Warren WC *et. al.* , *Nature* , **464** , 757 (2010).

Anolis carolinensis (Aoc)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Sauropsida | Sauria | Lepidosauria | Squamata | Iguania | Iguanidae | Polychrotinae | Anolis

Reference/s:
Broad Institute of Harvard and MIT: Anolis Genome Sequencing Project
International Species Sequencing Consortium: Anolis carolinensis Sequencing Consortium
National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project
UCSC Genome Bioinformatics: Lizard (Anolis carolinensis) Genome Browser Gateway
e! Ensembl: Anole Lizard (Anolis carolinensis)
Publication/s:
Alfoldi J *et. al.* , *Nature* , **477** , 587 (2011).

Gekko japonicus (Gj)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Sauropsida | Sauria | Lepidosauria | Squamata | Scleroglossa | Gekkota | Gekkonidae | Gekkoninae | Gekko

Elaphe quadrivirgata (Eq)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amniota | Sauropsida | Sauria | Lepidosauria | Squamata | Scleroglossa | Serpentes | Colubroidea | Colubridae | Colubrinae | Elaphe

Xenopus tropicalis (Xt)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amphibia | Batrachia | Anura | Pipoidea | Pipidae | Xenopodinae | Xenopus | Silurana

Reference/s:
DOE Joint Genome Institute: Xenopus tropicalis
International Species Sequencing Consortium: Xenopus Sequencing Consortium
National Center for Biotechnology Information: Xenopus Gene Collection
National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project
National Center for Biotechnology Information Reference Sequences: Xenopus (Silurana) tropicalis (western clawed frog) genome view
The Gene Index Project: DFCI Xenopus tropicalis Gene Index
The Genome Sequencing Center at Washington University: Xenopus tropicalis
UCSC Genome Bioinformatics: Xenopus tropicalis Genome Browser Gateway
Xenbase: a Xenopus web resource: Xenopus laevis and tropicalis biology and genomics resource
e! Ensembl: X.tropicalis
Publication/s:
Hellsten U *et. al.* , *Science* , **328** , 633 (2010).
Gerhard DS *et. al.* , *Genome Res* , **14** , 2121 (2004).
Strausberg RL *et. al.* , *Proc Natl Acad Sci U S A* , **99** , 16899 (2002).

Xenopus laevis (Xl)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amphibia | Batrachia | Anura | Pipoidea | Pipidae | Xenopodinae | Xenopus | Xenopus

Reference/s:
GenBank - NIH genetic sequence database: GenBank species TBLASTN
National Center for Biotechnology Information: Xenopus Gene Collection
The Gene Index Project: DFCI African clawed frog (Xenopus laevis) Gene Index
Xenbase: a Xenopus web resource: Xenopus laevis and tropicalis biology and genomics resource
Publication/s:
Pollet N *et. al.* , *Mech Dev* , **122** , 365 (2005).
Gerhard DS *et. al.* , *Genome Res* , **14** , 2121 (2004).
Klein SL *et. al.* , *Dev Dyn* , **225** , 384 (2002).
Strausberg RL *et. al.* , *Proc Natl Acad Sci U S A* , **99** , 16899 (2002).
Blackshear PJ *et. al.* , *Gene* , **267** , 71 (2001).

Ambystoma mexicanum (Amm)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amphibia | Batrachia | Caudata | Salamandroidea | Ambystomatidae | Ambystoma

Reference/s:
GenBank - NIH genetic sequence database: GenBank species TBLASTN
Publication/s:
Putta S *et. al.* , *BMC Genomics* , **5** , 54 (2004).

Ambystoma tigrinum tigrinum (Att)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Gnathostomata | Teleostomi | Euteleostomi | Sarcopterygii | Tetrapoda | Amphibia | Batrachia | Caudata | Salamandroidea | Ambystomatidae | Ambystoma | Ambystoma tigrinum

Reference/s:
GenBank - NIH genetic sequence database: GenBank species TBLASTN
Publication/s:
Putta S *et. al.* , *BMC Genomics* , **5** , 54 (2004).

Lethenteron japonicum (Lj)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Hyperoartia |

Petromyzontiformes | Petromyzontidae | Lethenteron

***Petromyzon marinus* (Ptm)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Craniata | Vertebrata | Hyperoartia |

Petromyzontiformes | Petromyzontidae | Petromyzon

Reference/s:

The Genome Sequencing Center at Washington University: Petromyzon marinus

UCSC Genome Bioinformatics: Lamprey (Petromyzon marinus) Genome Browser Gateway

***Ciona savignyi* (Cis)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Tunicata | Ascidiacea | Enterogona | Phlebobranchia | Cionidae | Ciona

Reference/s:

Broad Institute of Harvard and MIT: Ciona savignyi Database

International Species Sequencing Consortium: Ciona savignyi Sequencing Consortium

National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project

e! Ensembl: C.savignyi

Publication/s:

Small KS *et. al.* , *Genome Biol* , **8** , R41 (2007).

***Ciona intestinalis* (Ci)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Tunicata | Ascidiacea | Enterogona | Phlebobranchia | Cionidae | Ciona

Reference/s:

DOE Joint Genome Institute: Ciona intestinalis v2.0

DOE Joint Genome Institute: Ciona intestinalis

GenBank - NIH genetic sequence database: GenBank species TBLASTN

Ghost Database: Ciona intestinalis genomic and cDNA resources

International Species Sequencing Consortium: Ciona intestinalis Sequencing Consortium

National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project

National Center for Biotechnology Information Reference Sequences: Ciona intestinalis genome view

The Gene Index Project: DFCI Ciona intestinalis Gene Index

UCSC Genome Bioinformatics: Ciona intestinalis Genome Browser Gateway

e! Ensembl: C.intestinalis

Publication/s:

Satou Y *et. al.* , *Genome Biol* , **9** , R152 (2008).

Dehal P *et. al.* , *Science* , **298** , 2157 (2002).

Satou Y *et. al.* , *Genesis* , **33** , 153 (2002).

***Molgula tectiformis* (Mot)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Tunicata | Ascidiacea | Stolidobranchia | Molgulidae | Molgula

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN

Publication/s:

Gyoja F *et. al.* , *Dev Biol* , **307** , 460 (2007).

***Halocynthia roretzi* (Hr)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Chordata | Tunicata | Ascidiacea | Stolidobranchia | Pyuridae | Halocynthia

***Asterina pectinifera* (Asp)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Echinodermata | Eleutherozoa | Asterozoa | Asteroidea | Valvatacea | Valvatida | Asterinidae | Patiria

***Paracentrotus lividus* (Pl)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Echinodermata | Eleutherozoa | Echinozoa | Echinoidea | Euechinoidea | Echinacea | Echinoida | Echinidae | Paracentrotus

***Strongylocentrotus purpuratus* (Stp)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Echinodermata | Eleutherozoa | Echinozoa | Echinoidea | Euechinoidea | Echinacea | Echinoida | Strongylocentrotidae | Strongylocentrotus

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN

Human Genome Sequencing Center at Baylor College of Medicine: Sea Urchin Genome Project

International Species Sequencing Consortium: Strongylocentrotus purpuratus Sequencing Consortium

National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project

UCSC Genome Bioinformatics: Strongylocentrotus purpuratus Genome Browser Gateway

Publication/s:

Sodergren E *et. al.* , *Science* , **314** , 941 (2006).

Poustka AJ *et. al.* , *Genome Res* , **13** , 2736 (2003).

***Saccoglossus kowalevskii* (Sck)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Deuterostomia | Hemichordata | Enteropneusta | Harrimaniidae | Saccoglossus
Reference/s:
Human Genome Sequencing Center at Baylor College of Medicine: Acorn Worm Genome Project
National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project
National Center for Biotechnology Information Reference Sequences: Saccoglossus kowalevskii genome view

***Helobdella robusta* (Her)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Annelida/Echiura/Pogonophora group | Annelida | Clitellata | Hirudinida | Hirudinea | Rhynchobdellida | Glossiphoniidae | Helobdella
Reference/s:
DOE Joint Genome Institute: Helobdella robusta

***Platynereis dumerilii* (Pld)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Annelida/Echiura/Pogonophora group | Annelida | Polychaeta | Palpata | Aciculata | Phyllodocida | Nereididae | Platynereis
Reference/s:
GenBank - NIH genetic sequence database: GenBank species TBLASTN

***Capitella teleta* (Cpt)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Annelida/Echiura/Pogonophora group | Annelida | Polychaeta | Scolecida | Capitellida | Capitellidae | Capitella
Reference/s:
DOE Joint Genome Institute: Capitella sp. I

***Mytilus californianus* (Myc)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Mollusca | Bivalvia | Pteriomorphia | Mytiloida | Mytiloidea | Mytilidae | Mytilinae | Mytilus

***Crassostrea virginica* (Cv)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Mollusca | Bivalvia | Pteriomorphia | Ostreoida | Ostreoidea | Ostreidae | Crassostrea
Reference/s:
BaNG Nematode and Neglected Genomics: MolluscDB
The Marine Genomics Project: Crassostrea virginica

***Argopecten irradians* (Ai)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Mollusca | Bivalvia | Pteriomorphia | Pectinoida | Pectinoidea | Pectinidae | Argopecten
Reference/s:
BaNG Nematode and Neglected Genomics: Argopecten
The Marine Genomics Project: Argopecten irradians

***Euprymna scolopes* (Eus)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Mollusca | Cephalopoda | Coleoidea | Neocoleoidea | Decapodiformes | Sepiolida | Sepiolidae | Euprymna

***Aplysia californica* (Apc)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Mollusca | Gastropoda | Heterobranchia | Euthyneura | Euopisthobranchia | Aplysiomorpha | Aplysioidea | Aplysiidae | Aplysia
Reference/s:
Broad Institute of Harvard and MIT: Aplysia Genome Sequencing Project
National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project
UCSC Genome Bioinformatics: Sea hare (Aplysia californica) Genome Browser Gateway

***Lottia gigantea* (Lg)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Mollusca | Gastropoda | Patellogastropoda | Lottioidea | Lottiidae | Lottia
Reference/s:
DOE Joint Genome Institute: Lottia gigantea

***Tyrophagus putrescentiae* (Typ)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Chelicerata | Arachnida | Acari | Acariformes | Sarcoptiformes | Astigmata | Acaroidea | Acaridae | Tyrophaginae | Tyrophagus

***Ornithodoros moubata* (Onm)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Chelicerata | Arachnida | Acari | Parasitiformes | Ixodida | Ixodoidea | Argasidae | Ornithodorinae | Ornithodoros

***Amblyomma americanum* (Ama)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Chelicerata | Arachnida | Acari | Parasitiformes | Ixodida | Ixodoidea | Ixodidae | Amblyomminae | Amblyomma
Reference/s:
BaNG Nematode and Neglected Genomics: CHELICERATA

***Haemaphysalis longicornis* (Hml)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Chelicerata | Arachnida | Acari | Parasitiformes | Ixodida | Ixodoidea | Ixodidae | Haemaphysalinae | Haemaphysalis
Reference/s:
GenBank - NIH genetic sequence database: GenBank species TBLASTN
Publication/s:
da Silva Vaz I Jr *et. al.* , *Vet Parasitol* , **127** , 147 (2005).

***Ixodes ricinus* (Ixr)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Chelicerata | Arachnida | Acari | Parasitiformes | Ixodida | Ixodoidea | Ixodidae | Ixodinae | Ixodes

***Ixodes scapularis str. Wikel* (Is)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Chelicerata | Arachnida | Acari | Parasitiformes | Ixodida | Ixodoidea | Ixodidae | Ixodinae | Ixodes
Reference/s:
National Center for Biotechnology Information: NCBI Insect Genomes Project
Purdue University: The Ixodes scapularis Genome Project
The Gene Index Project: DFCI Black tick Gene Index
VectorBase: Ixodes scapularis@vectorbase.org
e! Ensembl: Ixodes scapularis

***Boophilus microplus* (Bom)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Chelicerata | Arachnida | Acari | Parasitiformes | Ixodida | Ixodoidea | Ixodidae | Rhipicephalinae | Rhipicephalus | Boophilus
Reference/s:
BaNG Nematode and Neglected Genomics: CHELICERATA
GenBank - NIH genetic sequence database: GenBank species TBLASTN
International Species Sequencing Consortium: Boophilus Sequencing Consortium
National Center for Biotechnology Information: NCBI Insect Genomes Project
The Gene Index Project: DFCI Boophilus microplus Gene Index
Publication/s:
Guerrero FD *et. al.* , *BMC Genomics* , **11** , 374 (2010).
da Silva Vaz I Jr *et. al.* , *Vet Parasitol* , **127** , 147 (2005).
Guerrero FD *et. al.* , *Insect Biochem Mol Biol* , **35** , 585 (2005).

***Rhipicephalus appendiculatus* (Ra)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Chelicerata | Arachnida | Acari | Parasitiformes | Ixodida | Ixodoidea | Ixodidae | Rhipicephalinae | Rhipicephalus | Rhipicephalus
Reference/s:
BaNG Nematode and Neglected Genomics: CHELICERATA
The Gene Index Project: DFCI Rhipicephalus appendiculatus Gene Index
Publication/s:
Nene V *et. al.* , *Insect Biochem Mol Biol* , **34** , 1117 (2004).

***Limulus polyphemus* (Lip)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Chelicerata | Merostomata | Xiphosura | Limulidae | Limulus
Reference/s:
GenBank - NIH genetic sequence database: GenBank species TBLASTN
Publication/s:
Way M *et. al.* , *J Cell Biol* , **128** , 51 (1995).

***Daphnia magna* (Dam)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Crustacea | Branchiopoda | Phyllopoda | Diplostraca | Cladocera | Anomopoda | Daphniidae | Daphnia
Reference/s:
BaNG Nematode and Neglected Genomics: CRUSTACEA
GenBank - NIH genetic sequence database: GenBank species TBLASTN
wFleaBase: Daphnia Water Flea Genome Database
Publication/s:
Watanabe H *et. al.* , *Genome* , **48** , 606 (2005).

***Daphnia pulex* (Dap)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea |

Crustacea | Branchiopoda | Phyllopoda | Diplostraca | Cladocera | Anomopoda | Daphniidae | Daphnia

Reference/s:

BaNG Nematode and Neglected Genomics: CRUSTACEA

DOE Joint Genome Institute: Daphnia Genome Sequencing

International Species Sequencing Consortium: Daphnia Sequencing Consortium

National Center for Biotechnology Information: NCBI Insect Genomes Project

wFleaBase: Daphnia Water Flea Genome Database

Publication/s:

Colbourne JK *et. al.* , *Science* , **331** , 555 (2011).

***Artemia franciscana* (Arf)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea |

Crustacea | Branchiopoda | Sarsostraca | Anostraca | Artemiidae | Artemia

Reference/s:

BaNG Nematode and Neglected Genomics: CRUSTACEA

***Artemia sp.* (Ats)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea |

Crustacea | Branchiopoda | Sarsostraca | Anostraca | Artemiidae | Artemia

***Fenneropenaeus chinensis* (Fec)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea |

Crustacea | Malacostraca | Eumalacostraca | Eucarida | Decapoda | Dendrobranchiata | Penaeoidea | Penaeidae | Fenneropenaeus

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN

Publication/s:

Zhang J *et. al.* , *J Biotechnol* , **125** , 173 (2006).

***Litopenaeus vannamei* (Liv)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea |

Crustacea | Malacostraca | Eumalacostraca | Eucarida | Decapoda | Dendrobranchiata | Penaeoidea | Penaeidae | Litopenaeus

Reference/s:

BaNG Nematode and Neglected Genomics: CRUSTACEA

The Marine Genomics Project: Litopenaeus vannamei

***Litopenaeus setiferus* (Los)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea |

Crustacea | Malacostraca | Eumalacostraca | Eucarida | Decapoda | Dendrobranchiata | Penaeoidea | Penaeidae | Litopenaeus

Reference/s:

BaNG Nematode and Neglected Genomics: CRUSTACEA

GenBank - NIH genetic sequence database: GenBank species TBLASTN

The Marine Genomics Project: Litopenaeus setiferus

Publication/s:

Gross PS *et. al.* , *Dev Comp Immunol* , **25** , 565 (2001).

***Marsupenaeus japonicus* (Mrj)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea |

Crustacea | Malacostraca | Eumalacostraca | Eucarida | Decapoda | Dendrobranchiata | Penaeoidea | Penaeidae | Marsupenaeus

Reference/s:

BaNG Nematode and Neglected Genomics: CRUSTACEA

***Pacifastacus leniusculus* (Pcl)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea |

Crustacea | Malacostraca | Eumalacostraca | Eucarida | Decapoda | Pleocyemata | Astacidea | Astacoidea | Astacidae | Pacifastacus

***Homarus americanus* (Ha)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea |

Crustacea | Malacostraca | Eumalacostraca | Eucarida | Decapoda | Pleocyemata | Astacidea | Nephropoidea | Nephropidae | Homarus

Reference/s:

BaNG Nematode and Neglected Genomics: CRUSTACEA

The Marine Genomics Project: Homarus americanus

***Homarus gammarus* (Hg)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea |

Crustacea | Malacostraca | Eumalacostraca | Eucarida | Decapoda | Pleocyemata | Astacidea | Nephropoidea | Nephropidae | Homarus

***Callinectes sapidus* (Cas)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea |

Crustacea | Malacostraca | Eumalacostraca | Eucarida | Decapoda | Pleocyemata | Brachyura | Eubrachyura | Heterotremata/Thoracotremata group | Heterotremata | Portunoidea |

Portunidae | Callinectes

Reference/s:
BaNG Nematode and Neglected Genomics: CRUSTACEA
The Marine Genomics Project: Callinectes sapidus

***Carcinus maenas* (Cam)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Crustacea | Malacostraca | Eumalacostraca | Eucarida | Decapoda | Pleocyemata | Brachyura | Eubrachyura | Heterotremata/Thoracotremata group | Heterotremata | Portunoidea | Portunidae | Carcinus
Reference/s:
BaNG Nematode and Neglected Genomics: CRUSTACEA

***Macrobrachium rosenbergii* (Mar)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Crustacea | Malacostraca | Eumalacostraca | Eucarida | Decapoda | Pleocyemata | Caridea | Palaemonoidea | Palaemonidae | Macrobrachium

***Calanus finmarchicus* (Cnf)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Crustacea | Maxillopoda | Copepoda | Neocopepoda | Gymnoplea | Calanoida | Calanidae | Calanus
Reference/s:
The Marine Genomics Project: Calanus finmarchicus

***Lepeophtheirus salmonis* (Lhs)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Crustacea | Maxillopoda | Copepoda | Neocopepoda | Podoplea | Siphonostomatoida | Caligidae | Lepeophtheirus
Reference/s:
National Center for Biotechnology Information: NCBI Insect Genomes Project

***Bombyx mori* 703 (Bm_c)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Amphiesmenoptera | Lepidoptera | Glossata | Neolepidoptera | Heteroneura | Ditrysia | Obtectomera | Bombycoidea | Bombycifomes | Bombycidae | Bombycinae | Bombyx

***Bombyx mori str. Dazao* (Bm_b)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Amphiesmenoptera | Lepidoptera | Glossata | Neolepidoptera | Heteroneura | Ditrysia | Obtectomera | Bombycoidea | Bombycifomes | Bombycidae | Bombycinae | Bombyx
Reference/s:
International Species Sequencing Consortium: Bombyx mori Sequencing Consortium
National Center for Biotechnology Information: NCBI Insect Genomes Project
SilkBase: EST Database of the Silkworm, Bombyx mori
SilkDB: Silkworm Knowledgebase: Bombyx mori project
Publication/s:
Xia *et. al.* , *Science* , **306** , 1937 (2004).
Mita K *et. al.* , *Proc Natl Acad Sci U S A* , **100** , 14121 (2003).

***Bombyx mori p50T* (Bm_a)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Amphiesmenoptera | Lepidoptera | Glossata | Neolepidoptera | Heteroneura | Ditrysia | Obtectomera | Bombycoidea | Bombycifomes | Bombycidae | Bombycinae | Bombyx
Reference/s:
National Center for Biotechnology Information: NCBI Insect Genomes Project
SilkBase: EST Database of the Silkworm, Bombyx mori
The Silkworm Genome Research Program: Bombyx mori project
Publication/s:
Mita K *et. al.* , *DNA Res* , **11** , 27 (2004).

***Bombyx mori* (Bm)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Amphiesmenoptera | Lepidoptera | Glossata | Neolepidoptera | Heteroneura | Ditrysia | Obtectomera | Bombycoidea | Bombycifomes | Bombycidae | Bombycinae | Bombyx
Reference/s:
International Species Sequencing Consortium: Bombyx mori Sequencing Consortium
National Center for Biotechnology Information: NCBI Insect Genomes Project
SilkBase: EST Database of the Silkworm, Bombyx mori
SilkDB: Silkworm Knowledgebase: Bombyx mori project
Publication/s:
Xia Q *et. al.* , *Insect Biochem Mol Biol* , **38** , 1036 (2008).

***Lonomia obliqua* (Loo)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Amphiesmenoptera | Lepidoptera | Glossata | Neolepidoptera | Heteroneura | Ditrysia | Obtectomera |

***Manduca sexta* (Ms)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Amphiesmenoptera | Lepidoptera | Glossata | Neolepidoptera | Heteroneura | Ditrysia | Obtectomera | Bombycoidea | Sphingidae | Sphinginae | Sphingini | Manduca
Reference/s:
Agricultural Pest Genomics Resource Database: Manduca Base
GenBank - NIH genetic sequence database: GenBank species TBLASTN
National Center for Biotechnology Information: NCBI Insect Genomes Project
Publication/s:
Vitavska O, Wieczorek H, Merzendorfer H , *J Biol Chem* , **278** , 18499 (2003).

***Orgyia thyellina* (Ort)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Amphiesmenoptera | Lepidoptera | Glossata | Neolepidoptera | Heteroneura | Ditrysia | Obtectomera | Noctuoidea | Lymantriidae | Orgyia

***Spodoptera frugiperda* (Sf)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Amphiesmenoptera | Lepidoptera | Glossata | Neolepidoptera | Heteroneura | Ditrysia | Obtectomera | Noctuoidea | Noctuidae | Amphipyridae | Spodoptera
Reference/s:
GenBank - NIH genetic sequence database: GenBank species TBLASTN
SPODOBASE: Spodoptera frugiperda
Publication/s:
Deng Y *et. al.* , *BMC Genomics* , **7** , 264 (2006).

***Heliothis virescens* (Hev)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Amphiesmenoptera | Lepidoptera | Glossata | Neolepidoptera | Heteroneura | Ditrysia | Obtectomera | Noctuoidea | Noctuidae | Heliothinae | Heliothis
Reference/s:
GenBank - NIH genetic sequence database: GenBank species TBLASTN
Publication/s:
Borovsky D *et. al.* , *Proc Natl Acad Sci U S A* , **103** , 18963 (2006).

***Heliconius erato* (He)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Amphiesmenoptera | Lepidoptera | Glossata | Neolepidoptera | Heteroneura | Ditrysia | Obtectomera | Papilionoidea | Nymphalidae | Heliconiinae | Heliconiini | Heliconius
Reference/s:
GenBank - NIH genetic sequence database: GenBank species TBLASTN
Publication/s:
Pringle EG *et. al.* , *Genetics* , **177** , 417 (2007).
Papanicolaou A *et. al.* , *Mol Ecol* , **14** , 2883 (2005).

***Papilio dardanus* (Pad)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Amphiesmenoptera | Lepidoptera | Glossata | Neolepidoptera | Heteroneura | Ditrysia | Obtectomera | Papilionoidea | Papilionidae | Papilioninae | Papilionini | Papilio
Reference/s:
BaNG Nematode and Neglected Genomics: HEXAPODA

***Plutella xylostella* (Px)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Amphiesmenoptera | Lepidoptera | Glossata | Neolepidoptera | Heteroneura | Ditrysia | Yponomeutoidea | Plutellidae | Plutella

***Apriona germari* (Apg)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Coleoptera | Polyphaga | Cucujiformia | Chrysomeloidea | Cerambycidae | Lamiinae | Batocerini | Apriona

***Diabrotica virgifera virgifera* (Dvv)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Coleoptera | Polyphaga | Cucujiformia | Chrysomeloidea | Chrysomelidae | Galerucinae | Luperini | Diabroticina | Diabroticites | Diabrotica | Diabrotica virgifera

***Tribolium castaneum str. Georgia GA2* (Tic)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Coleoptera | Polyphaga | Cucujiformia | Tenebrionoidea | Tenebrionidae | Tribolium

Reference/s:

BeetleBase: Tribolium Genome Database

Human Genome Sequencing Center at Baylor College of Medicine: Tribolium castaneum Genome Project

International Species Sequencing Consortium: Tribolium castaneum Sequencing Consortium

National Center for Biotechnology Information: NCBI Insect Genomes Project

National Center for Biotechnology Information Reference Sequences: Tribolium castaneum (red flour beetle) genome view

Publication/s:

Richards S *et. al.* , *Nature* , **452** , 949 (2008).

***Drosophila mojavensis* TSC#15081-1352.22 (Dmo)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Diptera | Brachycera | Muscomorpha | Eremoneura | Cyclorrhapha | Schizophora | Acalypratae | Ephydroidea | Drosophilidae | Drosophilinae | Drosophilini | Drosophilina | Drosophiliti | Drosophila | Drosophila | repleta group | mulleri subgroup | mojavensis species complex

Reference/s:

FlyBase: A Database of the Drosophila Genome

International Species Sequencing Consortium: Drosophila Sequencing Consortium

National Center for Biotechnology Information: NCBI Insect Genomes Project

UCSC Genome Bioinformatics: Drosophila mojavensis Genome Browser Gateway

e! Ensembl: Drosophila mojavensis

Publication/s:

Clark AG *et. al.* , *Nature* , **450** , 203 (2007).

***Drosophila virilis* TSC#15010-1051.87 (Dv)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Diptera | Brachycera | Muscomorpha | Eremoneura | Cyclorrhapha | Schizophora | Acalypratae | Ephydroidea | Drosophilidae | Drosophilinae | Drosophilini | Drosophilina | Drosophiliti | Drosophila | Drosophila | virilis group

Reference/s:

FlyBase: A Database of the Drosophila Genome

International Species Sequencing Consortium: Drosophila Sequencing Consortium

National Center for Biotechnology Information: NCBI Insect Genomes Project

UCSC Genome Bioinformatics: Drosophila virilis Genome Browser Gateway

e! Ensembl: Drosophila virilis

Publication/s:

Clark AG *et. al.* , *Nature* , **450** , 203 (2007).

***Drosophila grimshawi* TSC#15287-2541.00 (Dg)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Diptera | Brachycera | Muscomorpha | Eremoneura | Cyclorrhapha | Schizophora | Acalypratae | Ephydroidea | Drosophilidae | Drosophilinae | Drosophilini | Drosophilina | Drosophiliti | Drosophila | Hawaiian Drosophila | picture wing clade | grimshawi clade | grimshawi group | grimshawi subgroup

Reference/s:

FlyBase: A Database of the Drosophila Genome

International Species Sequencing Consortium: Drosophila Sequencing Consortium

National Center for Biotechnology Information: NCBI Insect Genomes Project

UCSC Genome Bioinformatics: Drosophila grimshawi Genome Browser Gateway

e! Ensembl: Drosophila grimshawi

Publication/s:

Clark AG *et. al.* , *Nature* , **450** , 203 (2007).

***Drosophila ananassae* TSC#14024-0371.13 (Da)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Diptera | Brachycera | Muscomorpha | Eremoneura | Cyclorrhapha | Schizophora | Acalypratae | Ephydroidea | Drosophilidae | Drosophilinae | Drosophilini | Drosophilina | Drosophiliti | Drosophila | Sophophora | melanogaster group | ananassae subgroup | ananassae species complex

Reference/s:

FlyBase: A Database of the Drosophila Genome

International Species Sequencing Consortium: Drosophila Sequencing Consortium

National Center for Biotechnology Information: NCBI Insect Genomes Project

UCSC Genome Bioinformatics: Drosophila ananassae Genome Browser Gateway

e! Ensembl: Drosophila ananassae

Publication/s:

Clark AG *et. al.* , *Nature* , **450** , 203 (2007).

***Drosophila melanogaster* (Dm)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Diptera | Brachycera | Muscomorpha | Eremoneura | Cyclorrhapha | Schizophora | Acalypratae | Ephydroidea | Drosophilidae | Drosophilinae | Drosophilini | Drosophilina | Drosophiliti | Drosophila | Sophophora | melanogaster group | melanogaster subgroup

Reference/s:

Berkeley Drosophila Genome Project: Berkeley Drosophila Genome Project

FlyBase: A Database of the Drosophila Genome

GenBank - NIH genetic sequence database: GenBank species TBLASTN

Human Genome Sequencing Center at Baylor College of Medicine: *Drosophila* Genome Project
International Species Sequencing Consortium: *Drosophila melanogaster* Sequencing Consortium
National Center for Biotechnology Information: *Drosophila melanogaster* Sequencing Project
National Center for Biotechnology Information Reference Sequences: *Drosophila melanogaster* (fruit fly) genome view
The Gene Index Project: DFCI *Drosophila* Gene Index
UCSC Genome Bioinformatics: *Drosophila melanogaster* Genome Browser Gateway
e! Ensembl: Fruitfly
Publication/s:
Misra S *et. al.* , *Genome Biol* , **3** , RESEARCH0083 (2002).
Celniker SE *et. al.* , *Genome Biol* , **3** , RESEARCH0079 (2002).
Andrews J *et. al.* , *Genome Res* , **10** , 2030 (2000).
Adams MD *et. al.* , *Science* , **287** , 2185 (2000).

Drosophila simulans str. sim4 (Dss_d)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Diptera | Brachycera | Muscomorpha | Eremoneura | Cyclorrhapha | Schizophora | Acalyptratae | Ephydroidea | Drosophilidae | Drosophilinae | Drosophilini | Drosophilina | Drosophiliti | *Drosophila* | Sophophora | *melanogaster* group | *melanogaster* subgroup
Reference/s:
International Species Sequencing Consortium: *Drosophila* Sequencing Consortium
National Center for Biotechnology Information: NCBI Insect Genomes Project
The Genome Sequencing Center at Washington University: *Drosophila simulans* Sequencing
Publication/s:
Clark AG *et. al.* , *Nature* , **450** , 203 (2007).

Drosophila simulans str. sim6 (Dss_c)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Diptera | Brachycera | Muscomorpha | Eremoneura | Cyclorrhapha | Schizophora | Acalyptratae | Ephydroidea | Drosophilidae | Drosophilinae | Drosophilini | Drosophilina | Drosophiliti | *Drosophila* | Sophophora | *melanogaster* group | *melanogaster* subgroup
Reference/s:
International Species Sequencing Consortium: *Drosophila* Sequencing Consortium
National Center for Biotechnology Information: NCBI Insect Genomes Project
The Genome Sequencing Center at Washington University: *Drosophila simulans* Sequencing
Publication/s:
Clark AG *et. al.* , *Nature* , **450** , 203 (2007).

Drosophila yakuba Tai18E2 (Dy)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Diptera | Brachycera | Muscomorpha | Eremoneura | Cyclorrhapha | Schizophora | Acalyptratae | Ephydroidea | Drosophilidae | Drosophilinae | Drosophilini | Drosophilina | Drosophiliti | *Drosophila* | Sophophora | *melanogaster* group | *melanogaster* subgroup
Reference/s:
FlyBase: A Database of the *Drosophila* Genome
GenBank - NIH genetic sequence database: GenBank species TBLASTN
International Species Sequencing Consortium: *Drosophila* Sequencing Consortium
National Center for Biotechnology Information: NCBI Insect Genomes Project
The Genome Sequencing Center at Washington University: *Drosophila yakuba* Sequencing
UCSC Genome Bioinformatics: *Drosophila yakuba* Genome Browser Gateway
e! Ensembl: *Drosophila yakuba*
Publication/s:
Clark AG *et. al.* , *Nature* , **450** , 203 (2007).
Domazet-Lošo T, Tautz D , *Genome Res* , **13** , 2213 (2003).

Drosophila simulans str. md199 (Dss_g)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Diptera | Brachycera | Muscomorpha | Eremoneura | Cyclorrhapha | Schizophora | Acalyptratae | Ephydroidea | Drosophilidae | Drosophilinae | Drosophilini | Drosophilina | Drosophiliti | *Drosophila* | Sophophora | *melanogaster* group | *melanogaster* subgroup
Reference/s:
International Species Sequencing Consortium: *Drosophila* Sequencing Consortium
National Center for Biotechnology Information: NCBI Insect Genomes Project
The Genome Sequencing Center at Washington University: *Drosophila simulans* Sequencing
Publication/s:
Clark AG *et. al.* , *Nature* , **450** , 203 (2007).

Drosophila simulans str. nc48 (Dss_e)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Diptera | Brachycera | Muscomorpha | Eremoneura | Cyclorrhapha | Schizophora | Acalyptratae | Ephydroidea | Drosophilidae | Drosophilinae | Drosophilini | Drosophilina | Drosophiliti | *Drosophila* | Sophophora | *melanogaster* group | *melanogaster* subgroup
Reference/s:
International Species Sequencing Consortium: *Drosophila* Sequencing Consortium
National Center for Biotechnology Information: NCBI Insect Genomes Project
The Genome Sequencing Center at Washington University: *Drosophila simulans* Sequencing
Publication/s:
Clark AG *et. al.* , *Nature* , **450** , 203 (2007).

Drosophila sechellia Rob3c (Dse)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Diptera | Brachycera | Muscomorpha | Eremoneura | Cyclorrhapha | Schizophora | Acalypratae | Ephydroidea | Drosophilidae | Drosophilinae | Drosophilini | Drosophilina | Drosophiliti | Drosophila | Sophophora | melanogaster group | melanogaster subgroup
Reference/s:
Broad Institute of Harvard and MIT: Other vertebrates and invertebrates
FlyBase: A Database of the Drosophila Genome
International Species Sequencing Consortium: Drosophila Sequencing Consortium
National Center for Biotechnology Information: NCBI Insect Genomes Project
UCSC Genome Bioinformatics: Drosophila sechellia Genome Browser Gateway
e! Ensembl: Drosophila sechellia
Publication/s:
Clark AG *et. al.* , *Nature* , **450** , 203 (2007).

Drosophila simulans str. Mosaic (Dss)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Diptera | Brachycera | Muscomorpha | Eremoneura | Cyclorrhapha | Schizophora | Acalypratae | Ephydroidea | Drosophilidae | Drosophilinae | Drosophilini | Drosophilina | Drosophiliti | Drosophila | Sophophora | melanogaster group | melanogaster subgroup
Reference/s:
FlyBase: A Database of the Drosophila Genome
International Species Sequencing Consortium: Drosophila Sequencing Consortium
National Center for Biotechnology Information: NCBI Insect Genomes Project
The Genome Sequencing Center at Washington University: Drosophila simulans Sequencing
UCSC Genome Bioinformatics: Drosophila simulans Genome Browser Gateway
e! Ensembl: Drosophila simulans
Publication/s:
Clark AG *et. al.* , *Nature* , **450** , 203 (2007).

Drosophila simulans str. white501 (Dss_a)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Diptera | Brachycera | Muscomorpha | Eremoneura | Cyclorrhapha | Schizophora | Acalypratae | Ephydroidea | Drosophilidae | Drosophilinae | Drosophilini | Drosophilina | Drosophiliti | Drosophila | Sophophora | melanogaster group | melanogaster subgroup
Reference/s:
International Species Sequencing Consortium: Drosophila Sequencing Consortium
National Center for Biotechnology Information: NCBI Insect Genomes Project
The Genome Sequencing Center at Washington University: Drosophila simulans Sequencing
Publication/s:
Clark AG *et. al.* , *Nature* , **450** , 203 (2007).

Drosophila erecta TSC#14021-0224.01 (Der)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Diptera | Brachycera | Muscomorpha | Eremoneura | Cyclorrhapha | Schizophora | Acalypratae | Ephydroidea | Drosophilidae | Drosophilinae | Drosophilini | Drosophilina | Drosophiliti | Drosophila | Sophophora | melanogaster group | melanogaster subgroup
Reference/s:
FlyBase: A Database of the Drosophila Genome
International Species Sequencing Consortium: Drosophila Sequencing Consortium
National Center for Biotechnology Information: NCBI Insect Genomes Project
UCSC Genome Bioinformatics: Drosophila erecta Genome Browser Gateway
e! Ensembl: Drosophila erecta
Publication/s:
Clark AG *et. al.* , *Nature* , **450** , 203 (2007).

Drosophila pseudoobscura MV2-25 (Dp)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Diptera | Brachycera | Muscomorpha | Eremoneura | Cyclorrhapha | Schizophora | Acalypratae | Ephydroidea | Drosophilidae | Drosophilinae | Drosophilini | Drosophilina | Drosophiliti | Drosophila | Sophophora | obscura group | pseudoobscura subgroup
Reference/s:
FlyBase: A Database of the Drosophila Genome
Human Genome Sequencing Center at Baylor College of Medicine: Drosophila pseudoobscura Genome Sequence
International Species Sequencing Consortium: Drosophila pseudoobscura Sequencing Consortium
National Center for Biotechnology Information: NCBI Insect Genomes Project
UCSC Genome Bioinformatics: Drosophila pseudoobscura Genome Browser Gateway
e! Ensembl: Drosophila pseudoobscura
Publication/s:
Richards S *et. al.* , *Genome Res* , **15** , 1 (2005).

Drosophila persimilis MSH-3 (Drp)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Diptera | Brachycera | Muscomorpha | Eremoneura | Cyclorrhapha | Schizophora | Acalypratae | Ephydroidea | Drosophilidae | Drosophilinae | Drosophilini | Drosophilina | Drosophiliti | Drosophila | Sophophora | obscura group | pseudoobscura subgroup
Reference/s:
Broad Institute of Harvard and MIT: Other vertebrates and invertebrates
FlyBase: A Database of the Drosophila Genome
International Species Sequencing Consortium: Drosophila Sequencing Consortium

National Center for Biotechnology Information: NCBI Insect Genomes Project
UCSC Genome Bioinformatics: Drosophila persimilis Genome Browser Gateway
e! Ensembl: Drosophila persimilis
Publication/s:
Clark AG *et. al.* , *Nature* , **450** , 203 (2007).

***Drosophila willistoni* TSC#14030-0811.24 (Dw)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Diptera | Brachycera | Muscomorpha | Eremoneura | Cyclorrhapha | Schizophora | Acalypterae | Ephydroidea | Drosophilidae | Drosophilinae | Drosophilini | Drosophilina | Drosophiliti | Drosophila | Sophophora | willistoni group | willistoni subgroup
Reference/s:
FlyBase: A Database of the Drosophila Genome
International Species Sequencing Consortium: Drosophila Sequencing Consortium
National Center for Biotechnology Information: NCBI Insect Genomes Project
e! Ensembl: Drosophila willistoni
Publication/s:
Clark AG *et. al.* , *Nature* , **450** , 203 (2007).

***Bactrocera dorsalis* (Bcd)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Diptera | Brachycera | Muscomorpha | Eremoneura | Cyclorrhapha | Schizophora | Acalypterae | Tephritoidea | Tephritidae | Dacinae | Dacini | Bactrocera | Bactrocera | Bactrocera dorsalis species complex
Reference/s:
GenBank - NIH genetic sequence database: GenBank species TBLASTN

***Glossina morsitans morsitans* (Gom)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Diptera | Brachycera | Muscomorpha | Eremoneura | Cyclorrhapha | Schizophora | Calypterae | Hippoboscoidea | Glossinidae | Glossina | Glossina | Glossina morsitans
Reference/s:
GenBank - NIH genetic sequence database: GenBank species TBLASTN
The Wellcome Trust Sanger Institute: Glossina Genome Project
VectorBase: Glossina morsitans morsitans@vectorbase.org
Publication/s:
Lehane MJ *et. al.* , *Genome Biol* , **4** , R63 (2003).

***Mayetiola destructor* (Myd)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Diptera | Nematocera | Bibionomorpha | Sciaroidea | Cecidomyiidae | Cecidomyiinae | Lasiopteridi | Oligotrophini | Mayetiola
Reference/s:
Agricultural Pest Genomics Resource Database: Hessian Fly Base
Human Genome Sequencing Center at Baylor College of Medicine: Hessian Fly Genome Project
National Center for Biotechnology Information: NCBI Insect Genomes Project

***Rhynchosciara americana* (Rya)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Diptera | Nematocera | Bibionomorpha | Sciaroidea | Sciaridae | Rhynchosciara

***Culicoides sonorensis* (Ccs)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Diptera | Nematocera | Culicimorpha | Chironomoidea | Ceratopogonidae | Ceratopogoninae | Culicoidini | Culicoides | Monoculicoides

***Chironomus tentans* (Cht)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Diptera | Nematocera | Culicimorpha | Chironomoidea | Chironomidae | Chironominae | Chironomini | Chironomus | Camptochironomus
Reference/s:
GenBank - NIH genetic sequence database: GenBank species TBLASTN
Publication/s:
Arvestad L *et. al.* , *Insect Mol Biol* , **14** , 689 (2005).

***Anopheles gambiae* str. *PEST* (Ang)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Diptera | Nematocera | Culicimorpha | Culicoidea | Culicidae | Anophelinae | Anopheles | Cellia | Pyretophorus | gambiae species complex | Anopheles gambiae
Reference/s:
AnoBase - The Anopheles Database: AnoBase - The Anopheles Database
Genoscope: Anopheles gambiae
International Species Sequencing Consortium: Anopheles gambiae Sequencing Consortium
National Center for Biotechnology Information: NCBI Insect Genomes Project

National Center for Biotechnology Information Reference Sequences: *Anopheles gambiae* (African malaria mosquito) genome view

The Gene Index Project: DFCI Mosquito Gene Index

UCSC Genome Bioinformatics: *Anopheles gambiae* Genome Browser Gateway

VectorBase: *Anopheles gambiae*@vectorbase.org

e! Ensembl: Mosquito

Publication/s:

Sharakhova MV *et. al.* , *Genome Biol* , **8** , R5 (2007).

Mongin E *et. al.* , *Trends Parasitol* , **20** , 49 (2004).

Holt RA *et. al.* , *Science* , **298** , 129 (2002).

Beard CB, Hamm DM, Collins FH , *Insect Mol Biol* , **2** , 103 (1993).

***Aedes albopictus* (Ada)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea |

Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Diptera | Nematocera | Culicimorpha | Culicoidea | Culicidae | Culicinae | Aedini | Aedes | Stegomyia

***Aedes aegypti* str. *Liverpool* (Aea)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea |

Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Diptera | Nematocera | Culicimorpha | Culicoidea | Culicidae | Culicinae | Aedini | Aedes | Stegomyia

Reference/s:

Broad Institute of Harvard and MIT: *Aedes aegypti* Database

GenBank - NIH genetic sequence database: GenBank species TBLASTN

International Species Sequencing Consortium: *Aedes aegypti* Sequencing Consortium

National Center for Biotechnology Information: NCBI Insect Genomes Project

The Gene Index Project: DFCI *A. aegypti* Gene Index

VectorBase: *Aedes aegypti*@vectorbase.org

e! Ensembl: *A.aegypti*

Publication/s:

Nene V *et. al.* , *Science* , **316** , 1718 (2007).

Bartholomay LC *et. al.* , *Infect Immun* , **72** , 4114 (2004).

***Armigeres subalbatus* (Ars)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea |

Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Diptera | Nematocera | Culicimorpha | Culicoidea | Culicidae | Culicinae | Aedini | Armigeres |

Armigeres

***Culex pipiens quinquefasciatus* str. *JHB* (Cpq)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea |

Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Diptera | Nematocera | Culicimorpha | Culicoidea | Culicidae | Culicinae | Culicini | Culex | Culex |

Culex pipiens complex

Reference/s:

Broad Institute of Harvard and MIT: *Culex pipiens* Database

International Species Sequencing Consortium: *Culex pipiens* Sequencing Consortium

National Center for Biotechnology Information: NCBI Insect Genomes Project

VectorBase: *Culex pipiens quinquefasciatus*@vectorbase.org

e! Ensembl: *Culex quinquefasciatus* (*Culex quinquefasciatus*)

Publication/s:

Arensburger P *et. al.* , *Science* , **330** , 86 (2010).

***Culex pipiens pipiens* (Cup)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea |

Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Diptera | Nematocera | Culicimorpha | Culicoidea | Culicidae | Culicinae | Culicini | Culex | Culex |

Culex pipiens complex | Culex pipiens

***Lutzomyia longipalpis* (Li)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea |

Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Diptera | Nematocera | Psychodomorpha | Psychodoidea | Psychodidae | Phlebotominae | Lutzomyia |

Lutzomyia

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN

Human Genome Sequencing Center at Baylor College of Medicine: *Lutzomyia longipalpis* Genome Project

Publication/s:

Dillon RJ *et. al.* , *Genomics* , **88** , 831 (2006).

***Apis mellifera* str. *DH4* (Am)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea |

Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Hymenoptera | Apocrita | Aculeata | Apoidea | Apidae | Apinae | Apini | Apis

Reference/s:

BaNG Nematode and Neglected Genomics: HEXAPODA

GenBank - NIH genetic sequence database: GenBank species TBLASTN

Human Genome Sequencing Center at Baylor College of Medicine: Honey Bee Genome Project

Hymenoptera Genome Database: BeeBase

International Species Sequencing Consortium: Honeybee Genome Sequencing Consortium

National Center for Biotechnology Information: Honey bee Sequencing Project

National Center for Biotechnology Information Reference Sequences: *Apis mellifera* (honey bee) genome view

The Gene Index Project: DFCI Honeybee (*Apis mellifera*) Gene Index

UCSC Genome Bioinformatics: *Apis mellifera* Genome Browser Gateway

Publication/s:

Honeybee Genome Sequencing Consortium *et. al.* , *Nature* , **443** , 931 (2006).

Nunes FM *et. al.* , *BMC Genomics* , **5** , 84 (2004).

Whitfield CW *et. al.* , *Genome Res* , **12** , 555 (2002).

***Apis florea* (Apf)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Hymenoptera | Apocrita | Aculeata | Apoidea | Apoidea | Apidae | Apinae | Apini | Apis

Reference/s:

Human Genome Sequencing Center at Baylor College of Medicine: Dwarf Honey Bee Genome Project

National Center for Biotechnology Information: NCBI Insect Genomes Project

***Bombus terrestris* (Bot)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Hymenoptera | Apocrita | Aculeata | Apoidea | Apidae | Bombinae | Bombini | Bombus | Bombus

Reference/s:

Human Genome Sequencing Center at Baylor College of Medicine: Bumble Bee Genome Project

National Center for Biotechnology Information: NCBI Insect Genomes Project

***Bombus impatiens* (Boi)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Hymenoptera | Apocrita | Aculeata | Apoidea | Apidae | Bombinae | Bombini | Bombus | Pyrobombus

Reference/s:

National Center for Biotechnology Information: NCBI Insect Genomes Project

***Megachile rotundata* (Mer)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Hymenoptera | Apocrita | Aculeata | Apoidea | Megachilidae | Megachilinae | Megachilini | Megachile

Reference/s:

National Center for Biotechnology Information: NCBI Insect Genomes Project

***Linepithema humile* (Lh)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Hymenoptera | Apocrita | Aculeata | Vespoidea | Formicidae | Dolichoderinae | Linepithema

Reference/s:

Hymenoptera Genome Database: ArgieBase

International Species Sequencing Consortium: Argentine ant Sequencing Consortium

National Center for Biotechnology Information: NCBI Insect Genomes Project

Publication/s:

Smith CD *et. al.* , *Proc Natl Acad Sci U S A* , **108** , 5673 (2011).

***Camponotus floridanus* (Cmf)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Hymenoptera | Apocrita | Aculeata | Vespoidea | Formicidae | Formicinae | Camponotini | Camponotus

Reference/s:

Hymenoptera Genome Database: Florida Carpenter Ant Genome Project

National Center for Biotechnology Information: NCBI Insect Genomes Project

Publication/s:

Bonasio R *et. al.* , *Science* , **329** , 1068 (2010).

***Acromyrmex echinator* (Ae)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Hymenoptera | Apocrita | Aculeata | Vespoidea | Formicidae | Myrmicinae | Attini | Acromyrmex

Reference/s:

International Species Sequencing Consortium: Leafcutter ant Sequencing Consortium

National Center for Biotechnology Information: NCBI Insect Genomes Project

Publication/s:

Nygaard S *et. al.* , *Genome Res* , **21** , 1339 (2011).

***Atta cephalotes* (Aac)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Hymenoptera | Apocrita | Aculeata | Vespoidea | Formicidae | Myrmicinae | Attini | Atta

Reference/s:

Hymenoptera Genome Database: AttaBase

International Species Sequencing Consortium: Atta cephalotes Sequencing Consortium

National Center for Biotechnology Information: NCBI Insect Genomes Project

Publication/s:

Suen G *et. al.* , *PLoS Genet* , **7** , e1002007 (2011).

***Pogonomyrmex barbatus* (Pob)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Hymenoptera | Apocrita | Aculeata | Vespoidea | Formicidae | Myrmicinae | Myrmicini | Pogonomyrmex
Reference/s:
Hymenoptera Genome Database: PogoBase
International Species Sequencing Consortium: Red harvester ant Sequencing Consortium
National Center for Biotechnology Information: NCBI Insect Genomes Project
Publication/s:
Smith CR *et. al.* , *Proc Natl Acad Sci U S A* , **108** , 5667 (2011).

***Solenopsis invicta* (Soi)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Hymenoptera | Apocrita | Aculeata | Vespoidea | Formicidae | Myrmicinae | Solenopsidini | Solenopsis
Reference/s:
Hymenoptera Genome Database: Fire Ant Genome Project
International Species Sequencing Consortium: Fire ant Sequencing Consortium
National Center for Biotechnology Information: NCBI Insect Genomes Project
Publication/s:
Wurm Y *et. al.* , *Proc Natl Acad Sci U S A* , **108** , 5679 (2011).

***Harpegnathos saltator* (Hrs)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Hymenoptera | Apocrita | Aculeata | Vespoidea | Formicidae | Ponerinae | Ponerini | Harpegnathos
Reference/s:
Hymenoptera Genome Database: Jumping Ant Genome Project
National Center for Biotechnology Information: NCBI Insect Genomes Project
Publication/s:
Bonasio R *et. al.* , *Science* , **329** , 1068 (2010).

***Nasonia vitripennis str. SymAX* (Nav)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Endopterygota | Hymenoptera | Apocrita | Chalcidoidea group | Chalcidoidea | Pteromalidae | Pteromalinae | Nasonia
Reference/s:
Human Genome Sequencing Center at Baylor College of Medicine: Nasonia Genome Project
Hymenoptera Genome Database: NasoniaBase
International Species Sequencing Consortium: Nasonia Sequencing Consortium
National Center for Biotechnology Information: NCBI Insect Genomes Project
National Center for Biotechnology Information Reference Sequences: Wasp Genome Resources
University of Rochester: Nasonia Homepage
Publication/s:
Werren JH *et. al.* , *Science* , **327** , 343 (2010).

***Reticulitermes flavipes* (Ref)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Orthopteroidea | Dictyoptera | Isoptera | Rhinotermitidae | Heterotermitinae | Reticulitermes | Reticulitermes
Reference/s:
GenBank - NIH genetic sequence database: GenBank species TBLASTN
Publication/s:
Zhou X, Oi FM, Scharf ME , *Proc Natl Acad Sci U S A* , **103** , 4499 (2006).

***Sphodromantis centralis* (Spc)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Orthopteroidea | Dictyoptera | Mantodea | Mantidae | Mantinae | Paramantini | Sphodromantis
Reference/s:
BaNG Nematode and Neglected Genomics: HEXAPODA

***Locusta migratoria* (Lom)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Orthopteroidea | Orthoptera | Caelifera | Acridomorpha | Acridoidea | Acrididae | Oedipodinae | Locusta
Reference/s:
GenBank - NIH genetic sequence database: GenBank species TBLASTN
Publication/s:
Kang L *et. al.* , *Proc Natl Acad Sci U S A* , **101** , 17611 (2004).

***Gryllus pennsylvanicus* (Grp)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Orthopteroidea | Orthoptera | Ensifera | Grylloidea | Gryllidae | Gryllinae | Gryllus

***Gryllus bimaculatus* (Gb)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Orthopteroidea | Orthoptera | Ensifera | Grylloidea | Gryllidae | Gryllinae | Gryllus

Reference/s:

BaNG Nematode and Neglected Genomics: HEXAPODA

***Laupala kohalensis* (Lk)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Orthopteroidea | Orthoptera | Ensifera | Grylloidea | Gryllidae | Trigonidiinae | Laupala

***Homalodisca coagulata* (Hoc)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Paraneoptera | Hemiptera | Euhemiptera | Clypeorrhyncha | Membracoidea | Cicadellidae | Cicadellinae | unclassified Cicadellinae | Homalodisca

***Oncometopia nigricans* (Onn)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Paraneoptera | Hemiptera | Euhemiptera | Clypeorrhyncha | Membracoidea | Cicadellidae | Tettigellinae | Oncometopia

***Lygus lineolaris* (Lyl)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Paraneoptera | Hemiptera | Euhemiptera | Neohemiptera | Prosorrhyncha | Heteroptera | Euheteroptera | Neoheteroptera | Panheteroptera | Cimicomorpha | Cimicoidea | Miridae | Mirinae | Mirini | Lygus

***Rhodnius prolixus* (Rhp)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Paraneoptera | Hemiptera | Euhemiptera | Neohemiptera | Prosorrhyncha | Heteroptera | Euheteroptera | Neoheteroptera | Panheteroptera | Cimicomorpha | Reduvioidae | Reduviidae | Triatominae | Rhodnius

Reference/s:

National Center for Biotechnology Information: NCBI Insect Genomes Project

The Genome Sequencing Center at Washington University: Rhodnius prolixus

***Toxoptera citricida* (Txc)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Paraneoptera | Hemiptera | Sternorrhyncha | Aphidiformes | Aphidomorpha | Aphidoidea | Aphididae | Aphidinae | Aphidini | Toxoptera

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN

Publication/s:

Hunter WB *et. al.* , *J Insect Sci* , **3** , 1 (2003).

***Acyrtosiphon pisum LSRI* (Ayp)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Paraneoptera | Hemiptera | Sternorrhyncha | Aphidiformes | Aphidomorpha | Aphidoidea | Aphididae | Aphidinae | Macrosiphini | Acyrthosiphon

Reference/s:

BaNG Nematode and Neglected Genomics: HEXAPODA

GenBank - NIH genetic sequence database: GenBank species TBLASTN

Human Genome Sequencing Center at Baylor College of Medicine: Pea Aphid Genome Project

International Species Sequencing Consortium: Pea aphid Sequencing Consortium

National Center for Biotechnology Information: NCBI Insect Genomes Project

National Center for Biotechnology Information Reference Sequences: Acyrthosiphon pisum (pea aphid) genome view

e! Ensembl: Acyrthosiphon pisum (Acyrtosiphon pisum)

Publication/s:

International Aphid Genomics Consortium *et. al.* , *PLoS Biol* , **8** , e1000313 (2010).

Nakabachi A *et. al.* , *Proc Natl Acad Sci U S A* , **102** , 5477 (2005).

***Myzus persicae* (Myp)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Paraneoptera | Hemiptera | Sternorrhyncha | Aphidiformes | Aphidomorpha | Aphidoidea | Aphididae | Aphidinae | Macrosiphini | Myzus

***Maconellicoccus hirsutus* (Mah)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Paraneoptera | Hemiptera | Sternorrhyncha | Aphidiformes | Coccoidea | Pseudococcidae | Maconellicoccus

***Pediculus humanus corporis str. USDA* (Pdc)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Coelomata | Protostomia | Panarthropoda | Arthropoda | Mandibulata | Pancrustacea | Hexapoda | Insecta | Dicondylia | Pterygota | Neoptera | Paraneoptera | Phthiraptera | Anoplura | Pediculidae | Pediculus | Pediculus humanus

Reference/s:

International Species Sequencing Consortium: Human body louse Sequencing Consortium

National Center for Biotechnology Information: NCBI Insect Genomes Project

VectorBase: P.humanus@vectorbase.org

e! Ensembl: [Pediculus humanus](#)

Publication/s:

Kirkness EF *et. al.* , *Proc Natl Acad Sci U S A* , **107** , 12168 (2010).

***Plectus acuminatus* (Pla)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Pseudocoelomata | Nematoda | Chromadorea | Araeolaimida | Plectoidea | Plectidae | Plectus

Reference/s:

GenBank - NIH genetic sequence database: [GenBank species TBLASTN](#)

Publication/s:

Sturzenbaum SR, Arts MS, Kammenga JE , *Cell Stress Chaperones* , **10** , 79 (2005).

***Ascaris suum* (Ass)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Pseudocoelomata | Nematoda | Chromadorea | Ascaridida | Ascaridoidea | Ascarididae |

Ascaris

Reference/s:

International Species Sequencing Consortium: [Ascaris suum Sequencing Consortium](#)

National Center for Biotechnology Information: [NCBI Nematoda genomes](#)

Nematode.net Genome Sequencing Center: [Ascaris suum](#)

The Wellcome Trust Sanger Institute: [Ascaris suum](#)

Publication/s:

Wang J *et. al.* , *Genome Res* , **21** , 1462 (2011).

Jex AR *et. al.* , *Nature* , **479** , 529 (2011).

Parkinson J *et. al.* , *Nat Genet* , **36** , 1259 (2004).

***Pristionchus pacificus* (Psp)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Pseudocoelomata | Nematoda | Chromadorea | Diplogasterida | Neodiplogasteridae |

Pristionchus

Reference/s:

International Species Sequencing Consortium: [Pristionchus pacificus Sequencing Consortium](#)

Max-Planck-Institut fuer Entwicklungsbiologie: [Pristionchus pacificus](#)

National Center for Biotechnology Information: [NCBI Nematoda genomes](#)

Nematode.net Genome Sequencing Center: [Pristionchus pacificus](#)

The Genome Sequencing Center at Washington University: [Pristionchus pacificus var. californica](#)

UCSC Genome Bioinformatics: [P. pacificus \(Pristionchus pacificus\) Genome Browser Gateway](#)

WormBase: [WormBase](#)

e! Ensembl: [Pristionchus pacificus](#)

Publication/s:

Dieterich C *et. al.* , *Nat Genet* , **40** , 1193 (2008).

Parkinson J *et. al.* , *Nat Genet* , **36** , 1259 (2004).

***Panagrellus redivivus* (Par)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Pseudocoelomata | Nematoda | Chromadorea | Rhabditida | Panagrolaimoidea |

Panagrolaimidae | Panagrellus

***Strongyloides stercoralis* (Sts)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Pseudocoelomata | Nematoda | Chromadorea | Rhabditida | Panagrolaimoidea |

Strongyloidea | Strongyloidea

Reference/s:

Nematode.net Genome Sequencing Center: [Strongyloides stercoralis](#)

Publication/s:

Parkinson J *et. al.* , *Nat Genet* , **36** , 1259 (2004).

***Strongyloides ratti* (Str)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Pseudocoelomata | Nematoda | Chromadorea | Rhabditida | Panagrolaimoidea |

Strongyloidea | Strongyloidea

Reference/s:

GenBank - NIH genetic sequence database: [GenBank species TBLASTN](#)

National Center for Biotechnology Information: [NCBI Nematoda genomes](#)

Nematode.net Genome Sequencing Center: [Strongyloides ratti](#)

The Wellcome Trust Sanger Institute: [Strongyloides Sequencing](#)

Publication/s:

Thompson FJ *et. al.* , *Mol Biochem Parasitol* , **142** , 32 (2005).

Parkinson J *et. al.* , *Nat Genet* , **36** , 1259 (2004).

***Heterorhabditis bacteriophora* (Hb)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Pseudocoelomata | Nematoda | Chromadorea | Rhabditida | Rhabditoidea | Heterorhabditidae |

Heterorhabditis

Reference/s:

National Center for Biotechnology Information: [NCBI Nematoda genomes](#)

Nematode.net Genome Sequencing Center: [Heterorhabditis bacteriophora](#)

The Genome Sequencing Center at Washington University: [Heterorhabditis bacteriophora](#)

Caenorhabditis remanei EM464 (Car_b)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Pseudocoelomata | Nematoda | Chromadorea | Rhabditida | Rhabditoidea | Rhabditidae | Peloderinae | Caenorhabditis

Caenorhabditis brenneri (Cab)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Pseudocoelomata | Nematoda | Chromadorea | Rhabditida | Rhabditoidea | Rhabditidae | Peloderinae | Caenorhabditis

Reference/s:
National Center for Biotechnology Information: NCBI Nematoda genomes
Nematode.net Genome Sequencing Center: Caenorhabditis brenneri
The Genome Sequencing Center at Washington University: Caenorhabditis brenneri
UCSC Genome Bioinformatics: C. brenneri (Caenorhabditis brenneri) Genome Browser Gateway
WormBase: WormBase
e! Ensembl: Caenorhabditis brenneri (Caenorhabditis brenneri)

Caenorhabditis elegans (Ce)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Pseudocoelomata | Nematoda | Chromadorea | Rhabditida | Rhabditoidea | Rhabditidae | Peloderinae | Caenorhabditis

Reference/s:
GenBank - NIH genetic sequence database: GenBank species TBLASTN
International Species Sequencing Consortium: Caenorhabditis elegans Sequencing Consortium
National Center for Biotechnology Information: NCBI Nematoda genomes
National Center for Biotechnology Information Reference Sequences: Caenorhabditis elegans (nematodes) genome view
Nematode.net Genome Sequencing Center: Caenorhabditis elegans
The Gene Index Project: DFCI Caenorhabditis elegans Gene Index
The Genome Sequencing Center at Washington University: Caenorhabditis elegans
The Wellcome Trust Sanger Institute: Caenorhabditis Genome Sequencing Projects
UCSC Genome Bioinformatics: Caenorhabditis elegans Genome Browser Gateway
WorFDB: The C. elegans ORFeome cloning project
WormBase: WormBase
e! Ensembl: C.elegans

Publication/s:
Li S *et. al.* , *Science* , **303** , 540 (2004).
Lamesch P *et. al.* , *Genome Res* , **14** , 2064 (2004).
Reboul J *et. al.* , *Nat Genet* , **34** , 35 (2003).
C. elegans Sequencing Consortium , *Science* , **282** , 2012 (1998).

Caenorhabditis briggsae (Cb)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Pseudocoelomata | Nematoda | Chromadorea | Rhabditida | Rhabditoidea | Rhabditidae | Peloderinae | Caenorhabditis

Reference/s:
International Species Sequencing Consortium: Caenorhabditis briggsae Sequencing Consortium
National Center for Biotechnology Information: NCBI Nematoda genomes
Nematode.net Genome Sequencing Center: Caenorhabditis briggsae
The Genome Sequencing Center at Washington University: Caenorhabditis briggsae
The Wellcome Trust Sanger Institute: The Caenorhabditis briggsae Genome Project
UCSC Genome Bioinformatics: Caenorhabditis briggsae Genome Browser Gateway
WormBase: WormBase
e! Ensembl: Caenorhabditis briggsae (Caenorhabditis briggsae)

Publication/s:
Stein LD *et. al.* , *PLoS Biol* , **1** , E45 (2003).

Caenorhabditis japonica DF5081 (Cej)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Pseudocoelomata | Nematoda | Chromadorea | Rhabditida | Rhabditoidea | Rhabditidae | Peloderinae | Caenorhabditis

Reference/s:
National Center for Biotechnology Information: NCBI Nematoda genomes
Nematode.net Genome Sequencing Center: Caenorhabditis japonica
The Genome Sequencing Center at Washington University: Caenorhabditis japonica
UCSC Genome Bioinformatics: C. japonica (Caenorhabditis japonica) Genome Browser Gateway
WormBase: WormBase
e! Ensembl: Caenorhabditis japonica (Caenorhabditis japonica)

Caenorhabditis remanei PB4641 (Car)

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Pseudocoelomata | Nematoda | Chromadorea | Rhabditida | Rhabditoidea | Rhabditidae | Peloderinae | Caenorhabditis

Reference/s:
National Center for Biotechnology Information: NCBI Nematoda genomes
Nematode.net Genome Sequencing Center: Caenorhabditis remanei
The Genome Sequencing Center at Washington University: Caenorhabditis remanei
UCSC Genome Bioinformatics: C. remanei (Caenorhabditis remanei) Genome Browser Gateway
WormBase: WormBase
e! Ensembl: Caenorhabditis remanei (Caenorhabditis remanei)

***Ancylostoma caninum* (Acc)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Pseudocoelomata | Nematoda | Chromadorea | Rhabditida | Strongylida | Ancylostomatoidea | Ancylostomatidae | Ancylostomatinae | Ancylostoma

Reference/s:

Nematode.net Genome Sequencing Center: *Ancylostoma caninum*

Publication/s:

Parkinson J *et. al.* , *Nat Genet* , **36** , 1259 (2004).

***Cooperia oncophora* (Coo)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Pseudocoelomata | Nematoda | Chromadorea | Rhabditida | Strongylida | Trichostrongyloidea | Cooperiidae | Cooperia

***Haemonchus contortus* (Hc)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Pseudocoelomata | Nematoda | Chromadorea | Rhabditida | Strongylida | Trichostrongyloidea | Haemonchidae | Haemonchinae | Haemonchus

Reference/s:

Nematode.net Genome Sequencing Center: *Haemonchus contortus*

The Wellcome Trust Sanger Institute: *Haemonchus contortus* Sequencing

WormBase: WormBase

Publication/s:

Parkinson J *et. al.* , *Nat Genet* , **36** , 1259 (2004).

***Nippostrongylus brasiliensis* (Nib)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Pseudocoelomata | Nematoda | Chromadorea | Rhabditida | Strongylida | Trichostrongyloidea | Heligmonellidae | Nippostrongylinae | Nippostrongylus

Reference/s:

Nematode.net Genome Sequencing Center: *Nippostrongylus brasiliensis*

The Wellcome Trust Sanger Institute: *Nippostrongylus brasiliensis*

***Brugia malayi* (Brm)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Pseudocoelomata | Nematoda | Chromadorea | Spirurida | Filarioidea | Onchocercidae | Brugia

Reference/s:

International Species Sequencing Consortium: *Brugia malayi* Sequencing Consortium

National Center for Biotechnology Information: NCBI Nematoda genomes

Nematode.net Genome Sequencing Center: *Brugia malayi*

The Gene Index Project: DFCI *Brugia malayi* Gene Index

The Institute for Genomic Research: *Brugia malayi* Genome Project

WormBase: WormBase

Publication/s:

Ghedini E *et. al.* , *Science* , **317** , 1756 (2007).

Parkinson J *et. al.* , *Nat Genet* , **36** , 1259 (2004).

***Litomosoides sigmodontis* (Lts)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Pseudocoelomata | Nematoda | Chromadorea | Spirurida | Filarioidea | Onchocercidae | Litomosoides

Reference/s:

Nematode Genomes: *Litomosoides sigmodontis* lab strain established from Cameroon by Odile Bain

Nematode.net Genome Sequencing Center: *Litomosoides sigmodontis*

***Loa loa* (Lol)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Pseudocoelomata | Nematoda | Chromadorea | Spirurida | Filarioidea | Onchocercidae | Loa

Reference/s:

Broad Institute of Harvard and MIT: Filarial worms Database

National Center for Biotechnology Information: NCBI Nematoda genomes

***Onchocerca volvulus* (Ov)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Pseudocoelomata | Nematoda | Chromadorea | Spirurida | Filarioidea | Onchocercidae | Onchocerca

Reference/s:

Broad Institute of Harvard and MIT: Filarial worms Database

GenBank - NIH genetic sequence database: GenBank species TBLASTN

National Center for Biotechnology Information: NCBI Nematoda genomes

Nematode.net Genome Sequencing Center: *Onchocerca volvulus* & *Onchocerca ochengi*

The Gene Index Project: DFCI *Onchocerca volvulus* Gene Index

The Wellcome Trust Sanger Institute: *Onchocerca volvulus*

Publication/s:

Parkinson J *et. al.* , *Nat Genet* , **36** , 1259 (2004).

Lizotte-Waniewski M *et. al.* , *Infect Immun* , **68** , 3491 (2000).

***Wuchereria bancrofti* (Wb)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Pseudocoelomata | Nematoda | Chromadorea | Spirurida | Filarioidea | Onchocercidae | Wuchereria

Reference/s:

Broad Institute of Harvard and MIT: Filarial worms Database

National Center for Biotechnology Information: NCBI Nematoda genomes

Nematode.net Genome Sequencing Center: Wuchereria bancrofti

***Globodera rostochiensis* (Gr)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Pseudocoelomata | Nematoda | Chromadorea | Tylenchida | Tylenchina | Tylenchoidea | Heteroderidae | Heteroderinae | Globodera

Reference/s:

Nematode.net Genome Sequencing Center: Globodera rostochiensis

Publication/s:

Parkinson J *et. al.* , *Nat Genet* , **36** , 1259 (2004).

***Heterodera glycines* (Heg)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Pseudocoelomata | Nematoda | Chromadorea | Tylenchida | Tylenchina | Tylenchoidea | Heteroderidae | Heteroderinae | Heterodera

Reference/s:

International Species Sequencing Consortium: Heterodera Sequencing Consortium

National Center for Biotechnology Information: NCBI Nematoda genomes

Nematode.net Genome Sequencing Center: Heterodera glycines

Publication/s:

Bekal S *et. al.* , *Mol Genet Genomics* , **279** , 535 (2008).

Parkinson J *et. al.* , *Nat Genet* , **36** , 1259 (2004).

***Meloidogyne hapla* (Mh)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Pseudocoelomata | Nematoda | Chromadorea | Tylenchida | Tylenchina | Tylenchoidea | Meloidogynidae | Meloidogyninae | Meloidogyne

Reference/s:

International Species Sequencing Consortium: Meloidogyne Sequencing Consortium

National Center for Biotechnology Information: NCBI Nematoda genomes

Nematode.net Genome Sequencing Center: Meloidogyne hapla

WormBase: WormBase

Publication/s:

Opperman CH *et. al.* , *Proc Natl Acad Sci U S A* , **105** , 14802 (2008).

Parkinson J *et. al.* , *Nat Genet* , **36** , 1259 (2004).

***Meloidogyne incognita* (Mi)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Pseudocoelomata | Nematoda | Chromadorea | Tylenchida | Tylenchina | Tylenchoidea | Meloidogynidae | Meloidogyninae | Meloidogyne | Meloidogyne incognita group

Reference/s:

International Species Sequencing Consortium: Meloidogyne incognita Sequencing Consortium

National Center for Biotechnology Information: NCBI Nematoda genomes

Nematode.net Genome Sequencing Center: Meloidogyne incognita

Publication/s:

Abad P *et. al.* , *Nat Biotechnol* , **26** , 909 (2008).

Parkinson J *et. al.* , *Nat Genet* , **36** , 1259 (2004).

***Pratylenchus vulnus* (Prv)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Pseudocoelomata | Nematoda | Chromadorea | Tylenchida | Tylenchina | Tylenchoidea | Pratylenchidae | Pratylenchinae | Pratylenchus

Reference/s:

Nematode.net Genome Sequencing Center: Pratylenchus vulnus

***Xiphinema index* (Xi)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Pseudocoelomata | Nematoda | Enoplea | Enoplia | Dorylaimida | Dorylaimina | Longidoroidea | Longidoridae | Xiphinema

Reference/s:

Nematode.net Genome Sequencing Center: Xiphinema index

***Trichinella spiralis* (Trs)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Pseudocoelomata | Nematoda | Enoplea | Enoplia | Trichocephalida | Trichinellidae | Trichinella

Reference/s:

International Species Sequencing Consortium: Trichinella Sequencing Consortium

National Center for Biotechnology Information: NCBI Nematoda genomes

Nematode.net Genome Sequencing Center: Trichinella spiralis

The Genome Sequencing Center at Washington University: Trichinella spiralis

Publication/s:

Mitreva M *et. al.* , *Nat Genet* , **43** , 228 (2011).

Parkinson J *et. al.* , *Nat Genet* , **36** , 1259 (2004).

***Trichuris muris* (Trm)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Pseudocoelomata | Nematoda | Enoplea | Enoplia | Trichocephalida | Trichuridae | Trichuris

Reference/s:
Nematode.net Genome Sequencing Center: Trichuris muris
The Wellcome Trust Sanger Institute: T. muris Project

Publication/s:
Parkinson J *et. al.* , *Nat Genet* , **36** , 1259 (2004).

***Philodina roseola* (Pir)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Pseudocoelomata | Rotifera | Bdelloidea | Philodinida | Philodinidae | Philodina

***Brachionus plicatilis* (Brp)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Bilateria | Pseudocoelomata | Rotifera | Monogononta | Ploimida | Brachionidae | Brachionus

***Nematostella vectensis* CH2 x CH6 (Nv)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Cnidaria | Anthozoa | Hexacorallia | Actiniaria | Edwardsiidae | Nematostella

Reference/s:
DOE Joint Genome Institute: Nematostella vectensis
GenBank - NIH genetic sequence database: GenBank species TBLASTN
GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS
International Species Sequencing Consortium: Nematostella vectensis Sequencing Consortium
StellaBase: Nematostella vectensis genomic database

Publication/s:
Putnam NH *et. al.* , *Science* , **317** , 86 (2007).
Technau U *et. al.* , *Trends Genet* , **21** , 633 (2005).

***Acropora palmata* (Arp)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Cnidaria | Anthozoa | Hexacorallia | Scleractinia | Astrocoeniina | Acroporidae | Acropora

***Acropora millepora* (Acm)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Cnidaria | Anthozoa | Hexacorallia | Scleractinia | Astrocoeniina | Acroporidae | Acropora

Reference/s:
GenBank - NIH genetic sequence database: GenBank species TBLASTN

Publication/s:
Technau U *et. al.* , *Trends Genet* , **21** , 633 (2005).

***Hydra magnipapillata* (Hm)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Cnidaria | Hydrozoa | Hydroida | Anthomedusae | Hydridae | Hydra

Reference/s:
DOE Joint Genome Institute:
GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS
International Species Sequencing Consortium: Hydra Sequencing Consortium

Publication/s:
Chapman JA *et. al.* , *Nature* , **464** , 592 (2010).

***Mnemiopsis leidyi* (Mnl)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Eumetazoa | Ctenophora | Cyclocoela | Lobata | Bolinopsidae | Mnemiopsis

Reference/s:
GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS

***Trichoplax adhaerens* Grell-BS-1999 (Tia)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Placozoa | Trichoplax

Reference/s:
DOE Joint Genome Institute: Trichoplax adhaerens
GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS
International Species Sequencing Consortium: Trichoplax adhaerens Sequencing Consortium

Publication/s:
Srivastava M *et. al.* , *Nature* , **454** , 955 (2008).

***Amphimedon queenslandica* (Amq)**

Taxonomy:
cellular organisms | Eukaryota | Opisthokonta | Metazoa | Porifera | Demospongiae | Ceractinomorpha | Haplosclerida | Niphatidae | Amphimedon

Reference/s:
DOE Joint Genome Institute:
GenBank - NIH genetic sequence database: Amphimedon queenslandica
International Species Sequencing Consortium: Amphimedon queenslandica Sequencing Consortium

Publication/s:
Srivastava M *et. al.* , *Nature* , **466** , 720 (2010).

***Oscarella carmela* (Osc)**

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Metazoa | Porifera | Demospongiae | Homoscleromorpha | Homosclerophorida | Plakinidae | Oscarella

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN

Publication/s:

Nichols SA *et. al.* , *Proc Natl Acad Sci U S A* , **103** , 12451 (2006).

Capsaspora owczarzaki ATCC 30864 (Co)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Opisthokonta incertae sedis | Ichthyosporea | Capsaspora | Capsaspora owczarzaki

Reference/s:

Broad Institute of Harvard and MIT: Origins of Multicellularity Database

National Center for Biotechnology Information: NCBI Protozoa genomes

TBestDB - Taxonomically Broad EST Database: Capsaspora owczarzaki

Sphaeroforma arctica (Spa)

Taxonomy:

cellular organisms | Eukaryota | Opisthokonta | Opisthokonta incertae sedis | Ichthyosporea | Ichthyophonida | Sphaeroforma

Reference/s:

Broad Institute of Harvard and MIT: Origins of Multicellularity Database

GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS

TBestDB - Taxonomically Broad EST Database: Sphaeroforma arctica

Trichomonas vaginalis G3 (Tv_a)

Taxonomy:

cellular organisms | Eukaryota | Parabasalia | Trichomonadida | Trichomonadidae | Trichomonas | Trichomonas vaginalis

Reference/s:

National Center for Biotechnology Information: NCBI Protozoa genomes

The Institute for Genomic Research: Trichomonas vaginalis Genome Project

The Institute for Genomic Research: The Trichomonas vaginalis Genome Sequencing Project

TrichDB: TrichDB

Publication/s:

Carlton JM *et. al.* , *Science* , **315** , 207 (2007).

Bigelowiella natans (Bin)

Taxonomy:

cellular organisms | Eukaryota | Rhizaria | Cercozoa | Chlorarachniophyceae | Bigelowiella

Reference/s:

DOE Joint Genome Institute: Bigelowiella natans CCMP2755 v1.0

TBestDB - Taxonomically Broad EST Database: Bigelowiella natans

Cyanidioschyzon merolae 10D (Cm)

Taxonomy:

cellular organisms | Eukaryota | Rhodophyta | Bangiophyceae | Cyanidiales | Cyanidiaceae | Cyanidioschyzon

Reference/s:

Cyanidioschyzon merolae Genome Project: Cyanidioschyzon merolae Genome Project

GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS

International Species Sequencing Consortium: Cyanidioschyzon merolae Sequencing Consortium

Publication/s:

Nozaki H *et. al.* , *BMC Biol* , **5** , 28 (2007).

Matsuzaki M *et. al.* , *Nature* , **428** , 653 (2004).

Ohta N *et. al.* , *DNA Res* , **10** , 67 (2003).

Ohta N, Sato N, Kuroiwa T , *Nucleic Acids Res* , **26** , 5190 (1998).

Volvox carteri f. nagariensis (Vc)

Taxonomy:

cellular organisms | Eukaryota | Viridiplantae | Chlorophyta | Chlorophyceae | Chlamydomonadales | Volvocaceae | Volvox | Volvox carteri

Reference/s:

DOE Joint Genome Institute: Volvox carteri Genome Sequencing

GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS

International Species Sequencing Consortium: Volvox carteri Sequencing Consortium

Phytozome: Volvox carteri

Publication/s:

Prochnik SE *et. al.* , *Science* , **329** , 223 (2010).

Micromonas pusilla CCMP1545 (Mip_a)

Taxonomy:

cellular organisms | Eukaryota | Viridiplantae | Chlorophyta | Mamiellophyceae | Mamiellales | Micromonas | Micromonas pusilla

Reference/s:

DOE Joint Genome Institute: Micromonas pusilla CCMP1545

GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS

International Species Sequencing Consortium: Micromonas Sequencing Consortium

Publication/s:

Worden AZ *et. al.* , *Science* , **324** , 268 (2009).

Ostreococcus lucimarinus (Osl)

Taxonomy:

cellular organisms | Eukaryota | Viridiplantae | Chlorophyta | Mamiellophyceae | Mamiellales | Ostreococcus

Reference/s:

DOE Joint Genome Institute: Ostreococcus lucimarinus

International Species Sequencing Consortium: Ostreococcus lucimarinus Sequencing Consortium

Publication/s:

Palenik B *et. al.* , *Proc Natl Acad Sci U S A* , **104** , 7705 (2007).

Chlorella NC64A (Chl)

Taxonomy:

cellular organisms | Eukaryota | Viridiplantae | Chlorophyta | Trebouxiophyceae | Prasiolales | Prasiolales incertae sedis

Reference/s:

DOE Joint Genome Institute: Chlorella NC64A

International Species Sequencing Consortium: Chlorella Sequencing Consortium

Publication/s:

Blanc G *et. al.* , *Plant Cell* , **22** , 2943 (2010).

Physcomitrella patens (Php)

Taxonomy:

cellular organisms | Eukaryota | Viridiplantae | Streptophyta | Streptophytina | Embryophyta | Bryophyta | Bryophytina | Bryopsida | Funariidae | Funariales | Funariaceae |

Physcomitrella

Reference/s:

DOE Joint Genome Institute: Physcomitrella patens ssp patens ecotype Gransden 2004

GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS

International Species Sequencing Consortium: Physcomitrella patens Sequencing Consortium

PHYSCObase: Physcomitrella patens

Physcomitrella patens resource: Physcomitrella patens

Phytozome: Physcomitrella patens (Moss)

e! Ensembl: Physcomitrella patens

Publication/s:

Rensing SA *et. al.* , *Science* , **319** , 64 (2008).

Oryza sativa (indica cultivar-group) (Os_b)

Taxonomy:

cellular organisms | Eukaryota | Viridiplantae | Streptophyta | Streptophytina | Embryophyta | Tracheophyta | Euphyllophyta | Spermatophyta | Magnoliophyta | Liliopsida |

commelinids | Poales | Poaceae | BEP clade | Ehrhartoideae | Oryzae | Oryza

Reference/s:

Beijing Genomics Institute: Rice Information System

GenBank - NIH genetic sequence database: GenBank species TBLASTN

GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS

International Species Sequencing Consortium: Oryza sativa (indica cultivar-group) Sequencing Consortium

The Gene Index Project: DFCI Rice (Oryza sativa) Gene Index

e! Ensembl: Oryza sativa indica group (Oryza indica)

Publication/s:

Xie K *et. al.* , *Sci China C Life Sci* , **48** , 445 (2005).

Zhang J *et. al.* , *Plant J* , **42** , 772 (2005).

Yu J *et. al.* , *PLoS Biol* , **3** , e38 (2005).

Matsumoto T *et. al.* , *Nature* , **436** , 793 (2005).

Feng Q *et. al.* , *Nature* , **420** , 316 (2002).

Yu J *et. al.* , *Science* , **296** , 79 (2002).

Oryza sativa (japonica cultivar-group) (Os_a)

Taxonomy:

cellular organisms | Eukaryota | Viridiplantae | Streptophyta | Streptophytina | Embryophyta | Tracheophyta | Euphyllophyta | Spermatophyta | Magnoliophyta | Liliopsida |

commelinids | Poales | Poaceae | BEP clade | Ehrhartoideae | Oryzae | Oryza

Reference/s:

Beijing Genomics Institute: Rice Information System

GenBank - NIH genetic sequence database: GenBank species TBLASTN

GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS

International Species Sequencing Consortium: Oryza sativa (japonica cultivar-group) Sequencing Consortium

Phytozome: Oryza sativa (Rice)

The Gene Index Project: DFCI Rice (Oryza sativa) Gene Index

e! Ensembl: Oryza sativa

Publication/s:

Yamamoto T *et. al.* , *BMC Genomics* , **11** , 267 (2010).

Yu J *et. al.* , *PLoS Biol* , **3** , e38 (2005).

Jantasuriyarat C *et. al.* , *Plant Physiol* , **138** , 105 (2005).

Matsumoto T *et. al.* , *Nature* , **436** , 793 (2005).

Kikuchi S *et. al.* , *Science* , **301** , 376 (2003).

Sasaki T *et. al.* , *Nature* , **420** , 312 (2002).

Goff SA *et. al.* , *Science* , **296** , 92 (2002).

Oryza barthii (Ob)

Taxonomy:

cellular organisms | Eukaryota | Viridiplantae | Streptophyta | Streptophytina | Embryophyta | Tracheophyta | Euphyllophyta | Spermatophyta | Magnoliophyta | Liliopsida |

commelinids | Poales | Poaceae | BEP clade | Ehrhartoideae | Oryzae | Oryza

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS

Triticum aestivum (Ta)

Taxonomy:

cellular organisms | Eukaryota | Viridiplantae | Streptophyta | Streptophytina | Embryophyta | Tracheophyta | Euphyllophyta | Spermatophyta | Magnoliophyta | Liliopsida |

commelinids | Poales | Poaceae | BEP clade | Pooideae | Triticeae | Triticum

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS

The Gene Index Project: DFCI Wheat (Triticum aestivum) Gene Index

***Sorghum bicolor* (Sob)**

Taxonomy:

cellular organisms | Eukaryota | Viridiplantae | Streptophyta | Streptophytina | Embryophyta | Tracheophyta | Euphyllophyta | Spermatophyta | Magnoliophyta | Liliopsida | commelinids | Poales | Poaceae | PACMAD clade | Panicoideae | Andropogoneae | Sorghum

Reference/s:

DOE Joint Genome Institute: Sorghum genome project

GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS

International Species Sequencing Consortium: Sorghum bicolor Sequencing Consortium

Phytozome: Sorghum bicolor (Cereal grass)

The Gene Index Project: DFCI Sorghum bicolor Gene Index

e! Ensembl: Sorghum bicolor

Publication/s:

Paterson AH *et. al.* , *Nature* , **457** , 551 (2009).

***Zea mays B73* (Zm)**

Taxonomy:

cellular organisms | Eukaryota | Viridiplantae | Streptophyta | Streptophytina | Embryophyta | Tracheophyta | Euphyllophyta | Spermatophyta | Magnoliophyta | Liliopsida | commelinids | Poales | Poaceae | PACMAD clade | Panicoideae | Andropogoneae | Zea

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN

International Species Sequencing Consortium: Zea mays Sequencing Consortium

MaizeSequence: MaizeSequence

National Center for Biotechnology Information Reference Sequences: Zea mays (maize) genome view

Phytozome: Zea mays (Corn)

The Gene Index Project: DFCI Maize (Zea mays) Gene Index

e! Ensembl: Zea mays

Publication/s:

Schnable PS *et. al.* , *Science* , **326** , 1112 (2009).

Verza NC *et. al.* , *Plant Mol Biol* , **59** , 363 (2005).

Lai J *et. al.* , *Genome Res* , **14** , 1932 (2004).

***Lycopersicon esculentum* (Le)**

Taxonomy:

cellular organisms | Eukaryota | Viridiplantae | Streptophyta | Streptophytina | Embryophyta | Tracheophyta | Euphyllophyta | Spermatophyta | Magnoliophyta | eudicotyledons | core eudicotyledons | asterids | Iamiids | Solanales | Solanaceae | Solanoideae | Solaneae | Solanum | Lycopersicon

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN

GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS

Kazusa DNA Research Institute: Tomato SBM Database

The Gene Index Project: DFCI Tomato (Lycopersicon esculentum) Gene Index

Publication/s:

Yamamoto N *et. al.* , *Gene* , **356** , 127 (2005).

***Glycine max* (Glm)**

Taxonomy:

cellular organisms | Eukaryota | Viridiplantae | Streptophyta | Streptophytina | Embryophyta | Tracheophyta | Euphyllophyta | Spermatophyta | Magnoliophyta | eudicotyledons | core eudicotyledons | rosids | fabids | Fabales | Fabaceae | Papilionoideae | Phaseoleae | Glycine

Reference/s:

DOE Joint Genome Institute: Glycine max

GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS

International Species Sequencing Consortium: Glycine Sequencing Consortium

Legume base: Glycine max

Phytozome: Glycine max (Soybean)

The Gene Index Project: DFCI Soybean (Glycine max) Gene Index

Publication/s:

Kim MY *et. al.* , *Proc Natl Acad Sci U S A* , **107** , 22032 (2010).

***Medicago truncatula* (Mt)**

Taxonomy:

cellular organisms | Eukaryota | Viridiplantae | Streptophyta | Streptophytina | Embryophyta | Tracheophyta | Euphyllophyta | Spermatophyta | Magnoliophyta | eudicotyledons | core eudicotyledons | rosids | fabids | Fabales | Fabaceae | Papilionoideae | Trifolieae | Medicago

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS

International Species Sequencing Consortium: Medicago truncatula Sequencing Consortium

Medicago Sequencing Resources: Medicago truncatula Sequencing Resources

Phytozome: Medicago truncatula (Barrel medic)

The Gene Index Project: DFCI Medicago truncatula Gene Index

Publication/s:

Young ND *et. al.* , *Nature* , **480** , 520 (2011).

***Ricinus communis* (Ric)**

Taxonomy:

cellular organisms | Eukaryota | Viridiplantae | Streptophyta | Streptophytina | Embryophyta | Tracheophyta | Euphyllophyta | Spermatophyta | Magnoliophyta | eudicotyledons | core eudicotyledons | rosids | fabids | Malpighiales | Euphorbiaceae | Acalyphoideae | Acalyphaeae | Ricinus

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS

International Species Sequencing Consortium: Ricinus Sequencing Consortium

Phytozome: Ricinus communis (Castor bean plant)

Publication/s:

Chan AP *et. al.* , *Nat Biotechnol* , **28** , 951 (2010).

***Populus trichocarpa* (Pot)**

Taxonomy:

cellular organisms | Eukaryota | Viridiplantae | Streptophyta | Streptophytina | Embryophyta | Tracheophyta | Euphyllophyta | Spermatophyta | Magnoliophyta |

eudicotyledons | core eudicotyledons | rosids | fabids | Malpighiales | Salicaceae | Saliceae | Populus

Reference/s:

DOE Joint Genome Institute: Populus trichocarpa

DOE Joint Genome Institute: Populus trichocarpa v1.1

GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS

International Species Sequencing Consortium: Populus trichocarpa Sequencing Consortium

Phytozome: Populus trichocarpa (Western poplar)

PopulusDB: PopulusDB

The Gene Index Project: DFCI Populus (Poplar) Gene Index

e! Ensembl: Populus trichocarpa

Publication/s:

Tuskan GA *et. al.* , *Science* , **313** , 1596 (2006).

Sterky F *et. al.* , *Proc Natl Acad Sci U S A* , **101** , 13951 (2004).

***Brassica rapa* (Brr)**

Taxonomy:

cellular organisms | Eukaryota | Viridiplantae | Streptophyta | Streptophytina | Embryophyta | Tracheophyta | Euphyllophyta | Spermatophyta | Magnoliophyta |

eudicotyledons | core eudicotyledons | rosids | malvids | Brassicales | Brassicaceae | Brassiceae | Brassica

Reference/s:

Brassica database (BRAD): Brassica database

GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS

L'Institut National de la Recherche Agronomique: 5X French Brassica rapa

Phytozome: Brassica rapa (Turnip mustard)

brassica.info: The Multinational Brassica Genome Project

***Arabidopsis thaliana* (At)**

Taxonomy:

cellular organisms | Eukaryota | Viridiplantae | Streptophyta | Streptophytina | Embryophyta | Tracheophyta | Euphyllophyta | Spermatophyta | Magnoliophyta |

eudicotyledons | core eudicotyledons | rosids | malvids | Brassicales | Brassicaceae | Camelinaeae | Arabidopsis

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN

International Species Sequencing Consortium: Arabidopsis thaliana Sequencing Consortium

Kazusa DNA Research Institute: Arabidopsis thaliana EST Index

National Center for Biotechnology Information Reference Sequences: BLAST Arabidopsis thaliana Sequences

Phytozome: Arabidopsis thaliana (Thale cress)

RIKEN Arabidopsis Genome Encyclopedia: Arabidopsis resource data

TAIR The Arabidopsis Information Resource: The Arabidopsis Information Resource

The Gene Index Project: DFCI Arabidopsis thaliana Gene Index

The Institute for Genomic Research: The TIGR Arabidopsis thaliana Database

e! Ensembl: Arabidopsis thaliana (Arabidopsis thaliana)

Publication/s:

Schmid KJ *et. al.* , *Genome Res* , **13** , 1250 (2003).

Seki M *et. al.* , *Science* , **296** , 141 (2002).

Tabata S *et. al.* , *Nature* , **408** , 823 (2000).

Asamizu E *et. al.* , *DNA Res* , **7** , 175 (2000).

Theologis A *et. al.* , *Nature* , **408** , 816 (2000).

Arabidopsis Genome Initiative , *Nature* , **408** , 796 (2000).

Salanoubat M *et. al.* , *Nature* , **408** , 820 (2000).

Lin X *et. al.* , *Nature* , **402** , 761 (1999).

Mayer K *et. al.* , *Nature* , **402** , 769 (1999).

***Arabidopsis lyrata* (Arl)**

Taxonomy:

cellular organisms | Eukaryota | Viridiplantae | Streptophyta | Streptophytina | Embryophyta | Tracheophyta | Euphyllophyta | Spermatophyta | Magnoliophyta |

eudicotyledons | core eudicotyledons | rosids | malvids | Brassicales | Brassicaceae | Camelinaeae | Arabidopsis

Reference/s:

DOE Joint Genome Institute: Arabidopsis lyrata

GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS

International Species Sequencing Consortium: Arabidopsis lyrata Sequencing Consortium

Phytozome: Arabidopsis lyrata (Lyrata rockcress)

e! Ensembl: Arabidopsis lyrata (Arabidopsis lyrata)

Publication/s:

Hu TT *et. al.* , *Nat Genet* , **43** , 476 (2011).

***Capsella rubella* (Cpr)**

Taxonomy:

cellular organisms | Eukaryota | Viridiplantae | Streptophyta | Streptophytina | Embryophyta | Tracheophyta | Euphyllophyta | Spermatophyta | Magnoliophyta |

eudicotyledons | core eudicotyledons | rosids | malvids | Brassicales | Brassicaceae | Camelinaeae | Capsella

Reference/s:

Phytozome: Capsella rubella (Red shepherd's purse)

***Eutrema parvulum* (Eup)**

Taxonomy:

cellular organisms | Eukaryota | Viridiplantae | Streptophyta | Streptophytina | Embryophyta | Tracheophyta | Euphyllophyta | Spermatophyta | Magnoliophyta | eudicotyledons | core eudicotyledons | rosids | malvids | Brassicales | Brassicaceae | Eutremeae | Eutrema

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS

International Species Sequencing Consortium: Thellungiella parvula Sequencing Consortium

Publication/s:

Dassanayake M *et. al.* , *Nat Genet* , **43** , 913 (2011).

***Eutrema halophilum* (Euh)**

Taxonomy:

cellular organisms | Eukaryota | Viridiplantae | Streptophyta | Streptophytina | Embryophyta | Tracheophyta | Euphyllophyta | Spermatophyta | Magnoliophyta | eudicotyledons | core eudicotyledons | rosids | malvids | Brassicales | Brassicaceae | Eutremeae | Eutrema

Reference/s:

Phytozome: Thellungiella halophila (Salt cress)

***Carica papaya* (Cip)**

Taxonomy:

cellular organisms | Eukaryota | Viridiplantae | Streptophyta | Streptophytina | Embryophyta | Tracheophyta | Euphyllophyta | Spermatophyta | Magnoliophyta | eudicotyledons | core eudicotyledons | rosids | malvids | Brassicales | Caricaceae | Carica

Reference/s:

ASGPB University of Hawaii at Manoa: The Hawaii Papaya Genome Project

GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS

International Species Sequencing Consortium: Carica papaya Sequencing Consortium

Phytozome: Carica papaya (Papaya)

Publication/s:

Ming R *et. al.* , *Nature* , **452** , 991 (2008).

***Theobroma cacao* (The)**

Taxonomy:

cellular organisms | Eukaryota | Viridiplantae | Streptophyta | Streptophytina | Embryophyta | Tracheophyta | Euphyllophyta | Spermatophyta | Magnoliophyta | eudicotyledons | core eudicotyledons | rosids | malvids | Malvales | Malvaceae | Byttnerioideae | Theobroma

Reference/s:

Cacao Genome Database: Cacao Genome Sequencing

GenBank - NIH genetic sequence database: GenBank species TBLASTN

International Species Sequencing Consortium: Cacao Sequencing Consortium

The Gene Index Project: DFCI Theobroma cacao (Cocoa) Gene Index

Publication/s:

Argout X *et. al.* , *Nat Genet* , **43** , 101 (2011).

Jones PG *et. al.* , *Planta* , **216** , 255 (2002).

***Gossypium raimondii* (Gor)**

Taxonomy:

cellular organisms | Eukaryota | Viridiplantae | Streptophyta | Streptophytina | Embryophyta | Tracheophyta | Euphyllophyta | Spermatophyta | Magnoliophyta | eudicotyledons | core eudicotyledons | rosids | malvids | Malvales | Malvaceae | Malvoideae | Gossypium

Reference/s:

Phytozome: Gossypium raimondii

***Eucalyptus camaldulensis* (Euc)**

Taxonomy:

cellular organisms | Eukaryota | Viridiplantae | Streptophyta | Streptophytina | Embryophyta | Tracheophyta | Euphyllophyta | Spermatophyta | Magnoliophyta | eudicotyledons | core eudicotyledons | rosids | malvids | Myrtales | Myrtaceae | Eucalyptus

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS

Kazusa DNA Research Institute: Eucalyptus camaldulensis Genome Database

***Eucalyptus grandis* (Eug)**

Taxonomy:

cellular organisms | Eukaryota | Viridiplantae | Streptophyta | Streptophytina | Embryophyta | Tracheophyta | Euphyllophyta | Spermatophyta | Magnoliophyta | eudicotyledons | core eudicotyledons | rosids | malvids | Myrtales | Myrtaceae | Eucalyptus

Reference/s:

Phytozome: Eucalyptus grandis (Eucalyptus)

***Citrus sinensis* (Cts)**

Taxonomy:

cellular organisms | Eukaryota | Viridiplantae | Streptophyta | Streptophytina | Embryophyta | Tracheophyta | Euphyllophyta | Spermatophyta | Magnoliophyta | eudicotyledons | core eudicotyledons | rosids | malvids | Sapindales | Rutaceae | Citrus

Reference/s:

Phytozome: Citrus sinensis (Sweet orange)

***Citrus clementina* (Cic)**

Taxonomy:

cellular organisms | Eukaryota | Viridiplantae | Streptophyta | Streptophytina | Embryophyta | Tracheophyta | Euphyllophyta | Spermatophyta | Magnoliophyta | eudicotyledons | core eudicotyledons | rosids | malvids | Sapindales | Rutaceae | Citrus

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN

Phytozome: Citrus clementina (Clementine)

Publication/s:

Forment J *et. al.* , *Plant Mol Biol* , **57** , 375 (2005).

***Vitis vinifera* (Vv)**

Taxonomy:

cellular organisms | Eukaryota | Viridiplantae | Streptophyta | Streptophytina | Embryophyta | Tracheophyta | Euphyllophyta | Spermatophyta | Magnoliophyta | eudicotyledons | core eudicotyledons | rosids | rosids incertae sedis | Vitales | Vitaceae | Vitis

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN

GenBank - NIH genetic sequence database: GenBank species TBLASTN WGS

International Species Sequencing Consortium: Vitis vinifera Sequencing Consortium

National Center for Biotechnology Information Reference Sequences: Vitis vinifera (wine grape) genome view

Phytozome: Vitis vinifera (Wine grape)

The Gene Index Project: DFCI Vitis vinifera (Grape) Gene Index

e! Ensembl: Vitis vinifera

Publication/s:

Velasco R *et. al.* , *PLoS ONE* , **2** , e1326 (2007).

Jaillon O *et. al.* , *Nature* , **449** , 463 (2007).

Moser C *et. al.* , *Funct Integr Genomics* , **5** , 208 (2005).

***Fragilariopsis cylindrus* (Frc)**

Taxonomy:

cellular organisms | Eukaryota | stramenopiles | Bacillariophyta | Bacillariophyceae | Bacillariophycidae | Bacillariales | Bacillariaceae | Fragilariopsis

Reference/s:

DOE Joint Genome Institute: Fragilariopsis cylindrus

***Phaeodactylum tricornutum* CCAP1055/1 (Pht)**

Taxonomy:

cellular organisms | Eukaryota | stramenopiles | Bacillariophyta | Bacillariophyceae | Bacillariophycidae | Naviculales | Phaeodactylaceae | Phaeodactylum

Reference/s:

DOE Joint Genome Institute: Phaeodactylum tricornutum

DOE Joint Genome Institute: Phaeodactylum tricornutum v2.0

International Species Sequencing Consortium: Phaeodactylum tricornutum Sequencing Consortium

National Center for Biotechnology Information: NCBI Eukaryotic Genomes Project

e! Ensembl: Phaeodactylum tricornutum

Publication/s:

Bowler C *et. al.* , *Nature* , **456** , 239 (2008).

***Thalassiosira pseudonana* CCMP1335 (Thp)**

Taxonomy:

cellular organisms | Eukaryota | stramenopiles | Bacillariophyta | Coscinodiscophyceae | Thalassiosirophycidae | Thalassiosirales | Thalassiosiraceae | Thalassiosira | Thalassiosira pseudonana

Reference/s:

DOE Joint Genome Institute: Thalassiosira pseudonana

International Species Sequencing Consortium: Thalassiosira pseudonana Sequencing Consortium

National Center for Biotechnology Information: NCBI Protozoa genomes

e! Ensembl: Thalassiosira pseudonana

Publication/s:

Armbrust EV *et. al.* , *Science* , **2004** , 79 (2004).

***Blastocystis hominis* (Bh)**

Taxonomy:

cellular organisms | Eukaryota | stramenopiles | Blastocystis

Reference/s:

International Species Sequencing Consortium: Blastocystis Sequencing Consortium

National Center for Biotechnology Information: NCBI Protozoa genomes

TBestDB - Taxonomically Broad EST Database: Blastocystis hominis

Publication/s:

Denoeud F *et. al.* , *Genome Biol* , **12** , R29 (2011).

***Albugo laibachii* Nc14 (All)**

Taxonomy:

cellular organisms | Eukaryota | stramenopiles | Oomycetes | Albuginales | Albuginaceae | Albugo | Albugo laibachii

Reference/s:

GenBank - NIH genetic sequence database: GenBank species TBLASTN

International Species Sequencing Consortium: Albugo Sequencing Consortium

Publication/s:

Kemen E *et. al.* , *PLoS Biol* , **9** , e1001094 (2011).

***Hyaloperonospora arabidopsidis* Emoy2 (Hya)**

Taxonomy:

cellular organisms | Eukaryota | stramenopiles | Oomycetes | Peronosporales | Peronosporaceae | Hyaloperonospora | Hyaloperonospora parasitica sensu lato

Reference/s:

International Species Sequencing Consortium: Hyaloperonospora Sequencing Consortium

National Center for Biotechnology Information: NCBI Protozoa genomes

The Genome Sequencing Center at Washington University: Hyaloperonospora parasitica Sequencing

Publication/s:

Baxter L *et. al.* , *Science* , **330** , 1549 (2010).

***Phytophthora ramorum* Pr102 (Phr)**

Taxonomy:

cellular organisms | Eukaryota | stramenopiles | Oomycetes | Peronosporales | Phytophthora

Reference/s:

DOE Joint Genome Institute: Phytophthora ramorum v1.1
DOE Joint Genome Institute: Phytophthora ramorum
National Center for Biotechnology Information: NCBI Protozoa genomes
Publication/s:
Tyler BM *et. al.* , *Science* , **313** , 1261 (2006).

***Phytophthora brassicae* (Pyb)**

Taxonomy:
cellular organisms | Eukaryota | stramenopiles | Oomycetes | Peronosporales | Phytophthora

***Phytophthora sojae* P6497 (Phs)**

Taxonomy:
cellular organisms | Eukaryota | stramenopiles | Oomycetes | Peronosporales | Phytophthora
Reference/s:
DOE Joint Genome Institute: Phytophthora sojae v3.0
DOE Joint Genome Institute: Phytophthora sojae v1.1
DOE Joint Genome Institute: Phytophthora sojae
National Center for Biotechnology Information: NCBI Protozoa genomes
Publication/s:
Tyler BM *et. al.* , *Science* , **313** , 1261 (2006).

***Phytophthora infestans* T30-4 (Phi)**

Taxonomy:
cellular organisms | Eukaryota | stramenopiles | Oomycetes | Peronosporales | Phytophthora | Phytophthora infestans
Reference/s:
Broad Institute of Harvard and MIT: Phytophthora infestans Database
GenBank - NIH genetic sequence database: GenBank species TBLASTN
International Species Sequencing Consortium: Phytophthora infestans Sequencing Consortium
National Center for Biotechnology Information: NCBI Protozoa genomes
The Wellcome Trust Sanger Institute: Phytophthora infestans BAC Sequencing
Publication/s:
Raffaele S *et. al.* , *Science* , **330** , 1540 (2010).
Haas BJ *et. al.* , *Nature* , **461** , 393 (2009).
Randall TA *et. al.* , *Mol Plant Microbe Interact* , **18** , 229 (2005).

***Pythium ultimum* DAOM BR144 (Pu)**

Taxonomy:
cellular organisms | Eukaryota | stramenopiles | Oomycetes | Pythiales | Pythiaceae | Pythium | Pythium ultimum
Reference/s:
International Species Sequencing Consortium: Pythium Sequencing Consortium
National Center for Biotechnology Information: NCBI Protozoa genomes
Publication/s:
Levesque CA *et. al.* , *Genome Biol* , **11** , R73 (2010).

***Aphanomyces euteiches* (Ape)**

Taxonomy:
cellular organisms | Eukaryota | stramenopiles | Oomycetes | Saprolegniales | Saprolegniaceae | Aphanomyces

***Saprolegnia parasitica* CBS 223.65 (Srp)**

Taxonomy:
cellular organisms | Eukaryota | stramenopiles | Oomycetes | Saprolegniales | Saprolegniaceae | Saprolegnia | Saprolegnia parasitica
Reference/s:
National Center for Biotechnology Information: NCBI Protozoa genomes

***Ectocarpus siliculosus* (Ecs)**

Taxonomy:
cellular organisms | Eukaryota | stramenopiles | PX clade | Phaeophyceae | Ectocarpales | Ectocarpaceae | Ectocarpus
Reference/s:
International Species Sequencing Consortium: Ectocarpus Sequencing Consortium
National Center for Biotechnology Information: NCBI Protozoa genomes
Publication/s:
Cock JM *et. al.* , *Nature* , **465** , 617 (2010).

***Aureococcus anophagefferens* (Aua)**

Taxonomy:
cellular organisms | Eukaryota | stramenopiles | Pelagophyceae | Aureococcus
Reference/s:
DOE Joint Genome Institute: Aureococcus anophagefferens
International Species Sequencing Consortium: Aureococcus anophagefferens Sequencing Consortium
National Center for Biotechnology Information: NCBI Protozoa genomes
Publication/s:
Gobler CJ *et. al.* , *Proc Natl Acad Sci U S A* , **108** , 4352 (2011).

***Trimastix pyriformis* (Tip)**

Taxonomy:
cellular organisms | Eukaryota | unclassified eukaryotes | Trimastix
Reference/s:
TBestDB - Taxonomically Broad EST Database: Trimastix pyriformis