

Additional File 4 Non-NCBI databases.

Kingdom Animalia databases

D. discoideum, *E. histolytica*, *E. tenella*, *Leishmania sp.*, *N. caninum*, *Plasmodium sp.*, *T. annulata*, *Trypanosome sp.*, *S. mansoni*:

<http://www.genedb.org/>

B. floridae, *C. intestinalis*, *Capitella sp.*, *D. pulex*, *E. huxleyi*, *H. robusta*, *L. bicolor*, *L. gigantea*, *M. brevicollis*, *M. graminicola*, *N. gruberi*, *N. haematococca*, *N. vectensis*, *O. tauri*, *P. stipitis*, *P. tricornutum*, *T. pseudonana*, *Trichoplax sp.*, *V. carteri*:

<http://genome.jgi-psf.org/>

B. bovis, *B. malayi*, *C. parvum*, *D. discoideum*, *E. histolytica*, *E. tenella*, *F. hepatica*, *H. contortus*, *L. seymouri*, *Leishmania sp.*, *Plasmodium sp.*, *S. neurona.*, *S. mansoni*, *T. vaginalis*, *Trypanosoma sp.*, *T. gondii*:

<http://tigrblast.tigr.org/tgi/>

Ascaris, *B. malayi*, *B. bigemina*, *C. deanei*, *D. discoideum*, *Entamoeba sp.*, *E. tenella*, *H. contortus*, *Leishmania sp.*, *N. caninum*, *Plasmodium sp.*, *Schistosoma sp.*, *S. scrofa*, *Strongyloides sp.*, *Trypanosome sp.*, *T. annulata*, *T. parva*:

<http://www.sanger.ac.uk/DataSearch/blast.shtml>

A. carolinensis, *B. floridae*, *C. intestinalis*, *M. domestica*, *O. anatinus*, *P. marinus*:

<http://genome.ucsc.edu/cgi-bin/hgBlat>

A. gambiae:

http://www.genoscope.cns.fr/externe/English/Projets/Projet_AK/organisme_AK.html

C. intestinalis <http://ghost.zool.kyoto-u.ac.jp/indexr1.html>

C. merolae: <http://merolae.biol.s.u-tokyo.ac.jp/>

C. parvum: <http://cryptodb.org/cryptodb/>

D. discoideum: <http://dictybase.org/>

Diatom ESTs: <http://avesthagen.sznbowler.com/>

E. tenella: <http://www.genedb.org/genedb/etenella/>

G. lamblia: <http://giardiadb.org/giardiadb/>

M. domestica <http://genome.ucsc.edu/cgi-bin/hgBlat>

P. marinus http://pre.ensembl.org/Petromyzon_marinus/index.html

P. tetraurelia http://www.genoscope.cns.fr/externe/Francais/Projets/Projet_FN/

Plasmodium sp. <http://www.plasmodb.org/plasmo/home.jsp>

T. thermophila: <http://www.ciliate.org/>

T. gondii: <http://www.toxodb.org/toxo-release4-0/home.jsp>

T. nigroviridis: <http://www.genoscope.cns.fr/externe/tetranew/>

T. rubripes: <http://www.fugu-sg.org/project/info.html>

Cyanobacteria <http://www.kazusa.or.jp/cyano/cyano.html>

Kingdom Plantae databases

Plant species: <http://www.sgn.cornell.edu/tools/blast/index.pl>

Plant species: <http://www.plantgdb.org/>

Plant species: <http://genome.jgi-psf.org/>

C. reinhardtii <http://www.chlamy.org/>