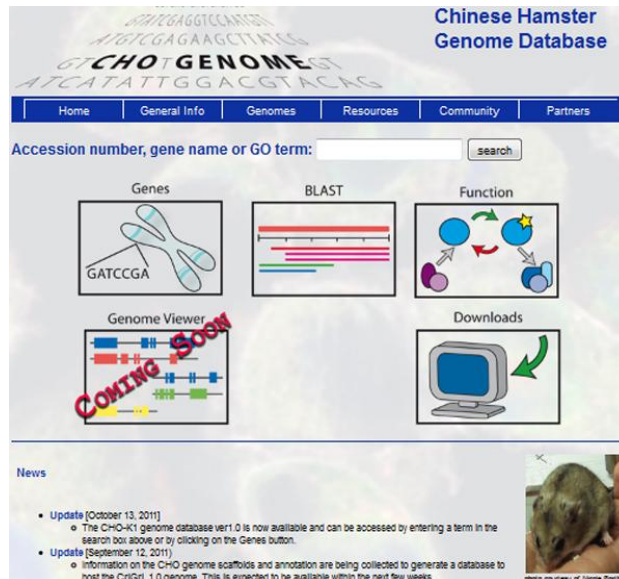


Tutorial 2 – Overview of CHOgenome.org

The Chinese hamster genome database can be reached at <http://www.CHOgenome.org>.



The homepage provides access to the underlying database in addition to genomic tools and community resources.

The CHO-K1 genome database may be searched directly by entering a term in the search box located at the top of the homepage.

A News section at the bottom of the homepage displays the most recent news items.

Commonly used features of the database can be accessed by clicking on the icons in the center of the homepage. The **Genes** and **Function** icons link to the CHO-K1 genome search page. The **BLAST** icon provides access to the CHO BLAST server. The **Downloads** icon links to the Data section.

Accession number, gene name or symbol, or GO term:

This is a **beta version** of the CHO-K1 genome database ver1.0 containing information for the CriG1_1.0 genome assembly.

The database can be searched by:

- 1) Accession number (i.e. EGV99227)
- 2) Gene name or symbol (i.e. Transcription factor E2F3 or E2F3)
- 3) GO term (i.e. GO:0003700 or Transcription factor activity)

Use % in the search field to list all DB records.

There are currently 24240 entries in the database.

The CHO-K1 genome may be BLAST searched [here](#) and at NCBI. For the NCBI BLAST search, select the 'Chrotulus griseus' WGS database from the "Choose Search Set" menu.

[Please Report Any Issue Or Provide Feedback](#)

CHOBlast

Home Help

Basic Search - using default BLAST parameter settings

Enter query sequences here in Fasta format

Or upload sequence fasta file:

Program: Database(s):

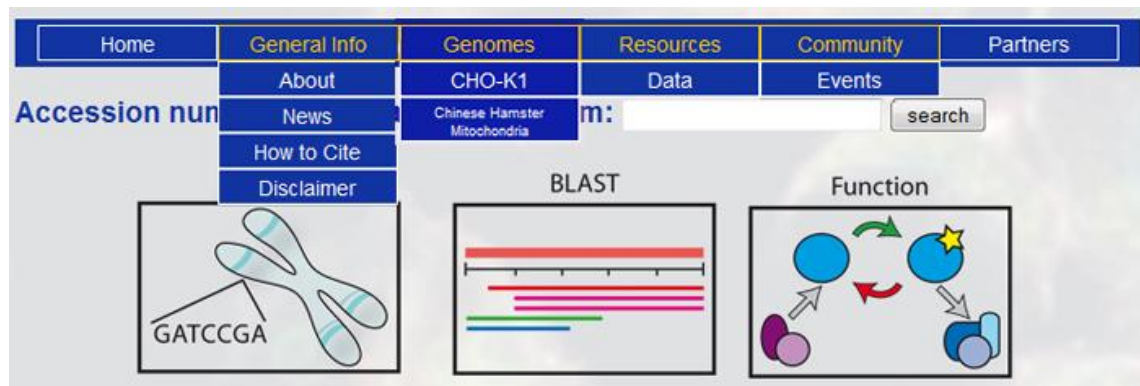
CHO Genomic Data Resources

This is a temporary page containing links to relevant publications and public data sets. Links to next generation sequencing raw data in the Sequence Read Archive (SRA) are provided when available. Journal access may be limited to subscribed users.

Description	Title	Reference
Genomic sequence and analysis of the CHO-K1 cell line	The genomic sequence of the Chinese hamster ovary (CHO)-K1 cell line	Xu X et al. Nature Biotechnol (2011) 29, 735-741
GenBank APT000000000.1		
WGS record AT7001		
CHO-K1 genome SR0440022		
CHO-K1 transcriptome SR0440045		

The blue navigational menu is found at the top of each page on the website. Several of the main sections (**General Info**, **Genomes**, **Resources**, and **Community**) contain drop down menus with additional options that can be accessed by mousing over the section heading.

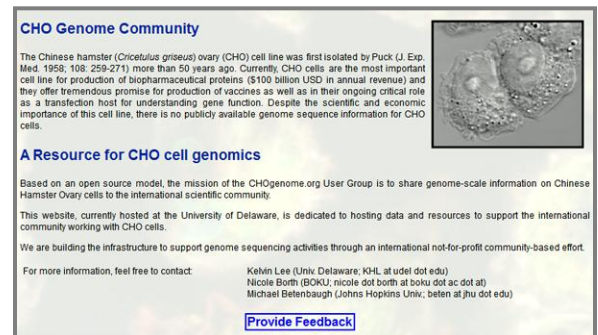
Users can return to the homepage at any time by clicking on the Home heading on the far left of the navigational menu.



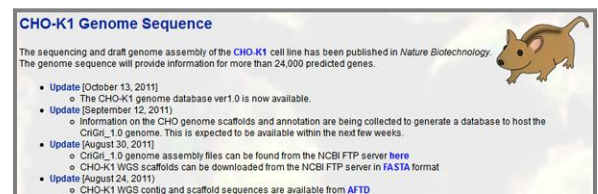
General Info Menu

The **About** page describes the importance of CHO cells and the goals of the Chinese hamster genome database.

Comments and questions are welcome! Click on the **Provide Feedback** button to send.



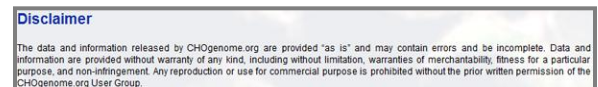
The **News** page archives all news items. The most recent items are also posted on the homepage.



The **How to Cite** page lists database publications that should be used for citations.

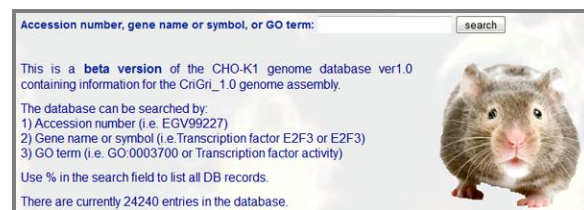


A **Disclaimer** is also found in this menu.



Genomes Menu

The search pages for the **CHO-K1** genome and the **Chinese hamster mitochondrial** genome are accessible from this menu.



Resources Menu

A **Data** page provides links to publications and public data sets focused on generating genomic information for the Chinese hamster and CHO cell lines.

CHO Genomic Data Resources		
This is a temporary page containing links to relevant publications and public data sets. Links to next generation sequencing raw data in the Sequence Read Archive (SRA) are provided when available. Journal access may be limited to subscribed users.		
Genome		
Description	Title	Reference
Draft genomic sequence and analysis of the ancestral CHO-K1 cell line.	The genomic sequence of the Chinese hamster ovary (CHO)-K1 cell line.	Xu X et al. Nature Biotechnol (2011) 29 , 735-741 GenBank AFD000000000.1 WGS record AFD001

Community Menu

An **Events** page contains information for upcoming conferences of interest to the CHO community and highlights of past workshops and conferences.

CHO Community		
Resources are currently being developed.		
Upcoming Events		
Cell Culture Engineering XIII	April 22-27, 2012	Scottsdale, AZ, USA
Plans are being made to continue the discussion at the upcoming 2012 Cell Culture Engineering meeting in Scottsdale, Arizona, USA. Visit http://www.engconfintl.org/12ac.html for more information.		
Recent Events		
ESACT meeting	May 15-18, 2011	Vienna, Austria

Partners

Funding sources and partners supporting www.CHOgenome.org are listed.