

# How to find mouse BAC and MICER clones public databases

Mouse genomic clones can be searched for using the Mouse [NCBI Map Viewer](#) clone search tool or [Ensembl](#)

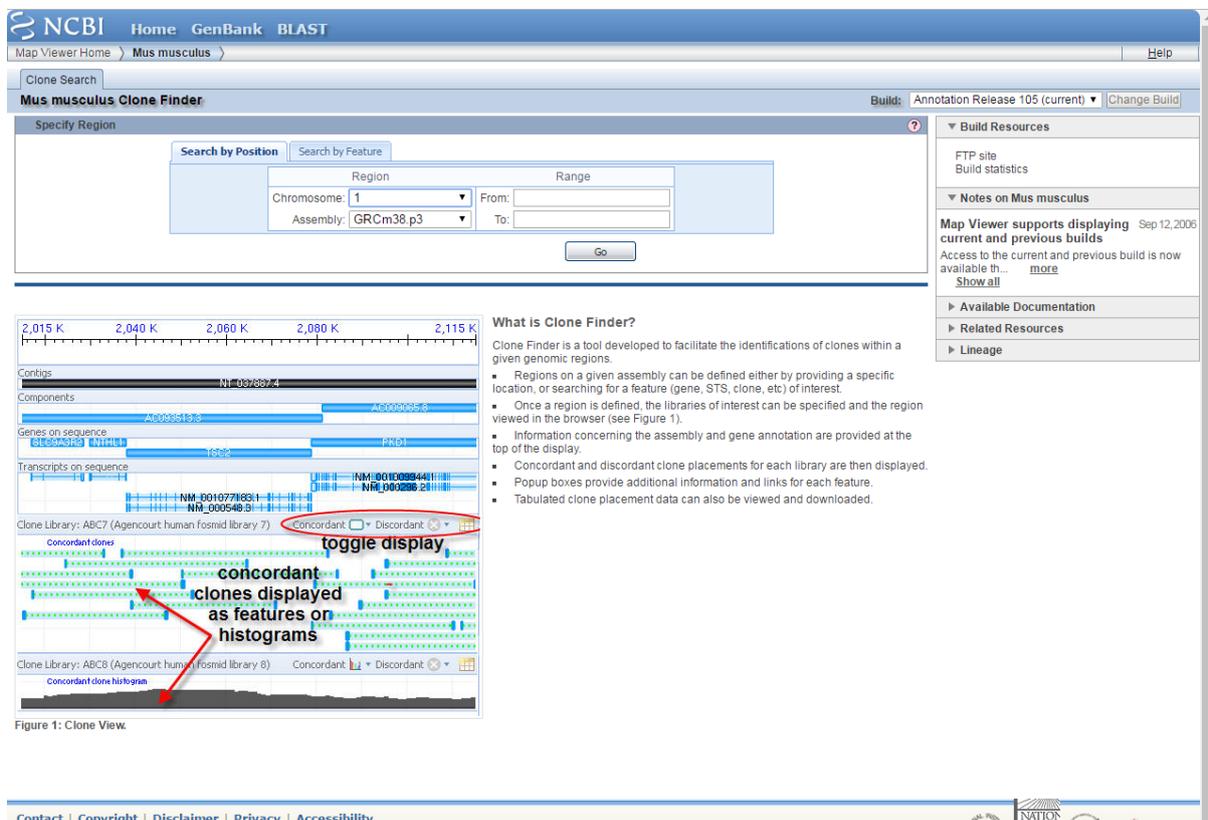
**For help and assistance finding BAC clones please [contact us](#)**

## NCBI Map Viewer

NCBI Map Viewer can be searched using a specific location, or searching for a feature (gene, STS, clone, etc) of interest.

To search for a gene

- select the 'Search by Feature' tab
- select 'Gene' from the feature type 'from' box
- type the gene name in the 'Feature Name' box and click on 'Go'



The screenshot displays the NCBI Map Viewer interface for *Mus musculus*. The top navigation bar includes links for Home, GenBank, and BLAST. The main section is titled "Mus musculus Clone Finder" and includes a "Specify Region" form with "Search by Position" and "Search by Feature" tabs. The "Search by Feature" tab is active, showing fields for "Region" (Chromosome: 1, Assembly: GRCm38 p3) and "Range" (From: , To: ). A "Go" button is present below the form.

Below the search form, the "What is Clone Finder?" section provides a brief description of the tool and its capabilities. The main results area shows a genomic map with various features, including genes on sequence (e.g., *SLC2A3B*, *MYH10*, *PCG2*, *PKD1*) and transcripts on sequence (e.g., NM\_001077183.1, NM\_001009844.1, NM\_003286.2, NM\_005480.8). The "Clone Library: ABC7 (Agencourt human fosmid library 7)" is selected, and the "Concordant clones" section displays a histogram of clone placements. A red arrow points to the "toggle display" button, which is used to switch between displaying concordant clones as features or histograms.

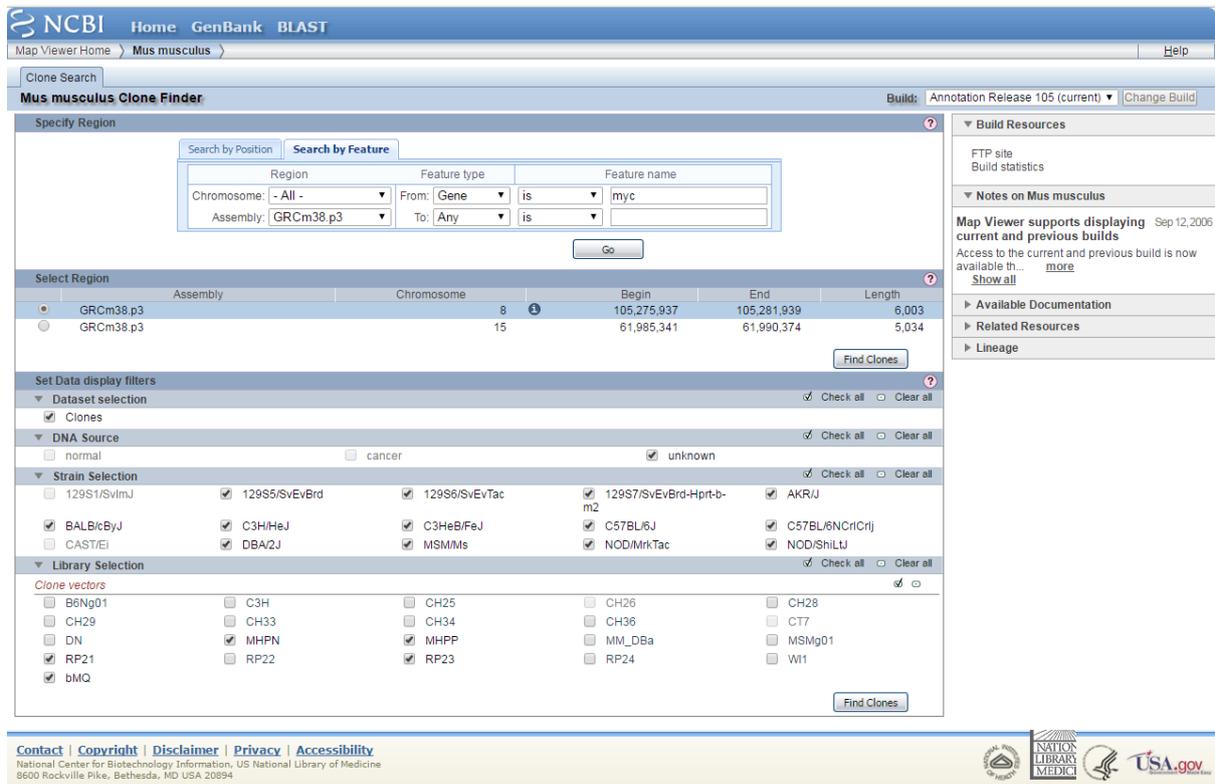
Figure 1: Clone View.

At the bottom of the page, there is a footer with links for Contact, Copyright, Disclaimer, Privacy, and Accessibility, along with logos for the National Library of Medicine and other institutions.

On the next screen you can select the BAC clone libraries to search. To find the mouse BAC clones provided by Source BioScience select:

- MHPN and MHPP (MICER clones)
- RP21 (RPCI-21 clones)
- RP23 (RPCI-23 clones)
- bMQ

Then click on 'Find Clones'



**Mus musculus Clone Finder**

Build: Annotation Release 105 (current) | Change Build

**Specify Region**

Search by Position | Search by Feature

Region	Feature type	Feature name
Chromosome: - All -	From: Gene	is myc
Assembly: GRCm38.p3	To: Any	is

Go

**Select Region**

Assembly	Chromosome	Begin	End	Length
<input checked="" type="radio"/> GRCm38.p3	8	105,275,937	105,281,939	6,003
<input type="radio"/> GRCm38.p3	15	61,985,341	61,990,374	5,034

Find Clones

**Set Data display filters**

Dataset selection:  Clones | Check all | Clear all

DNA Source:  normal |  cancer |  unknown | Check all | Clear all

Strain Selection:  129S1/SvlmJ |  129S5/SvEvBrd |  129S6/SvEvTac |  129S7/SvEvBrd-Hprt-bm2 |  AKR/J |  BALB/cByJ |  C3H/HeJ |  C3HeB/FeJ |  C57BL/6J |  C57BL/6NCr/Crj |  CAST/Ei |  DBA/2J |  MSM/Ms |  NOD/MrkTac |  NOD/ShiLz | Check all | Clear all

Library Selection:  B6Ng01 |  C3H |  CH25 |  CH26 |  CH28 |  CH29 |  CH33 |  CH34 |  CH36 |  CT7 |  DN |  MHPN |  MHPP |  MM\_DBa |  MSMg01 |  RP21 |  RP22 |  RP23 |  RP24 |  W1 |  bMQ | Check all | Clear all

Find Clones

Build Resources: FTP site, Build statistics

Notes on Mus musculus: Sep 12, 2006. Map Viewer supports displaying current and previous builds. Access to the current and previous build is now available th... more. Show all

Available Documentation

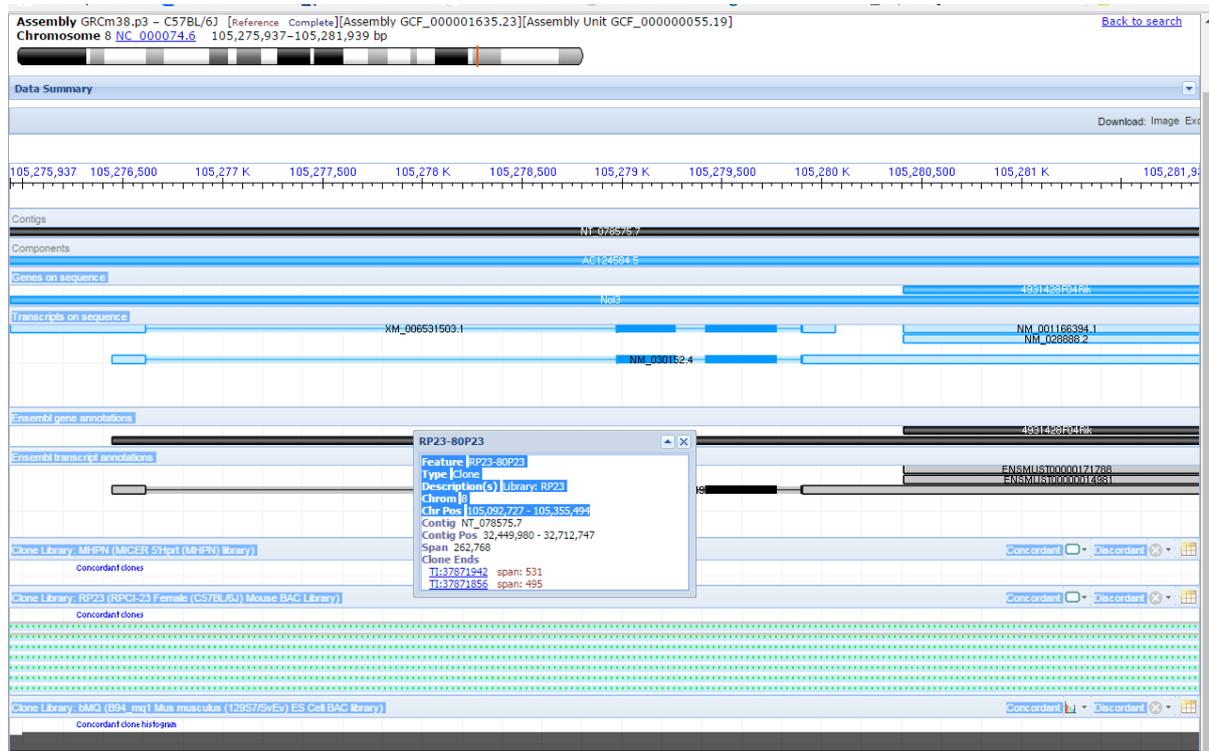
Related Resources

Lineage

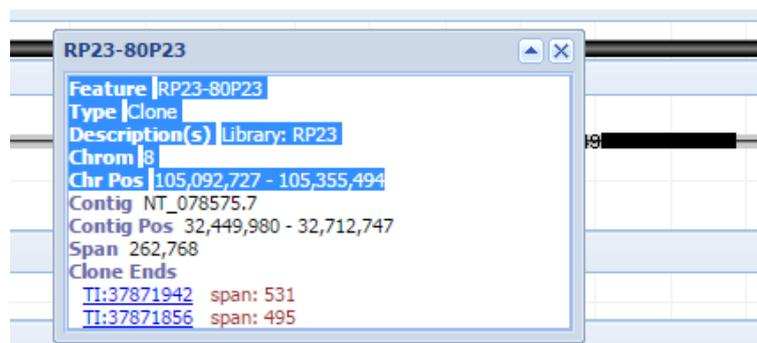
Contact | Copyright | Disclaimer | Privacy | Accessibility  
National Center for Biotechnology Information, US National Library of Medicine  
8600 Rockville Pike, Bethesda, MD USA 20894

NATIONAL LIBRARY OF MEDICINE | USA.gov

To find out more information about each clone click on the respective pale green line.



You will see a pop up box containing the clone ID and other features, together with links to the clone end sequences. Alternatively click on the table icon on the far right hand side above the pale green tracks to show all of the clones mapping to the region.

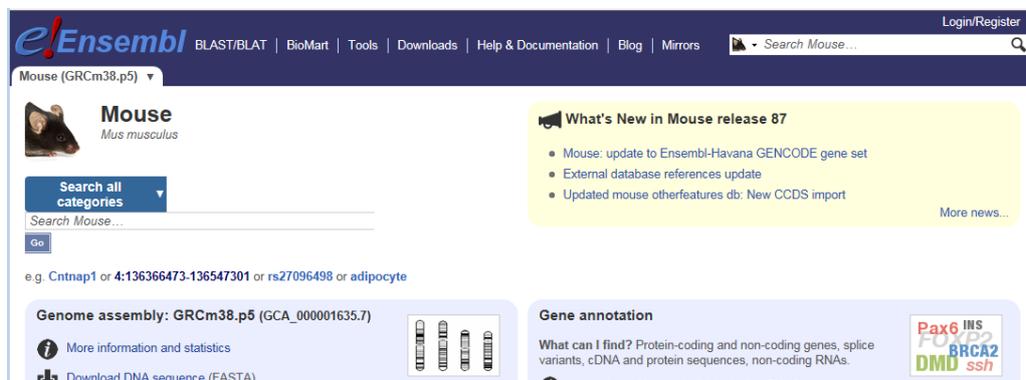


You can then use the **NCBI Clone DB** (<http://www.ncbi.nlm.nih.gov/clone/>) for finding out more detailed clone information (associated sequences, related clones etc). Search using the clone ID (e.g. [RP23-80P23](#))

To order, please use the clone ID in our [website search](#). Please note that due to MTA requirements we can only accept clone orders placed online..

## ENSEMBL

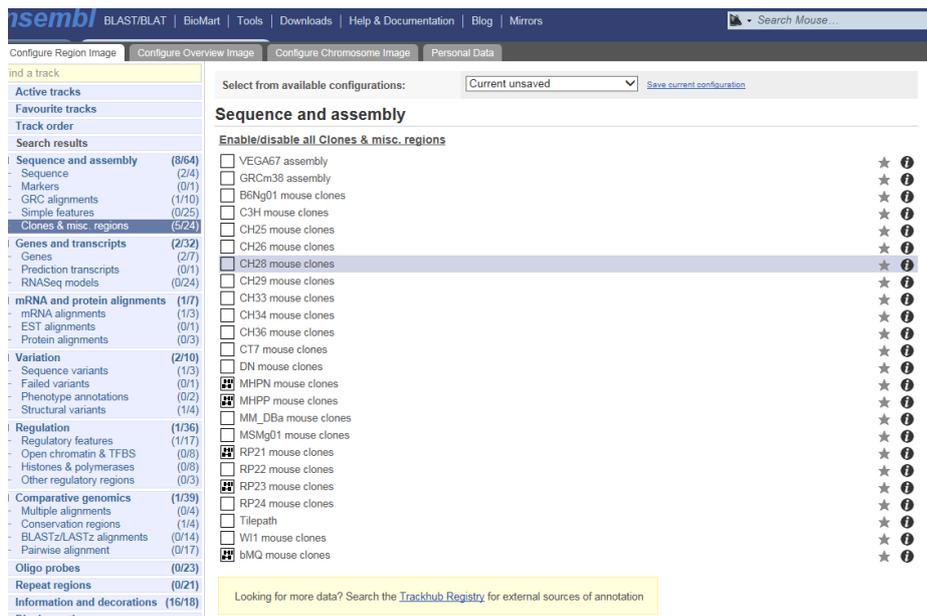
Go to the mouse Ensembl page:



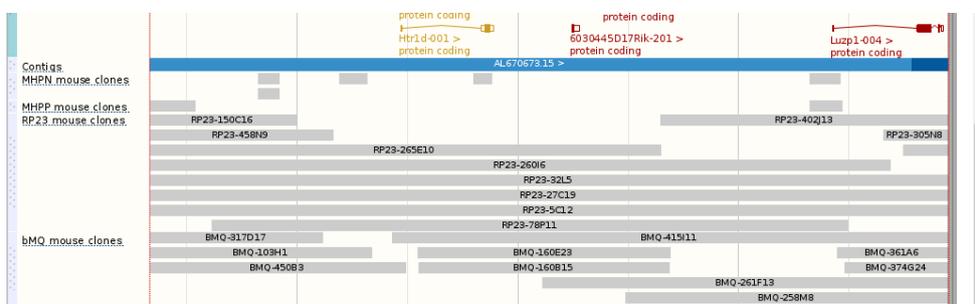
The screenshot shows the Ensembl Mouse genome browser interface. At the top, there is a navigation bar with links for BLAST/BLAT, BioMart, Tools, Downloads, Help & Documentation, Blog, and Mirrors. A search bar labeled 'Search Mouse...' is on the right. Below the navigation bar, the page title is 'Mouse (GRCm38.p5)'. The main content area is divided into several sections: a 'Search all categories' section with a search input and a 'Go' button; a 'What's New in Mouse release 87' section with a list of updates; a 'Genome assembly: GRCm38.p5 (GCA\_000001635.7)' section with a 'Download DNA sequence (FASTA)' button; and a 'Gene annotation' section with a 'More information and statistics' button. The 'Gene annotation' section also features a 'Pax6 INS' logo and a list of genes including FUXP2, BRCA2, DMU, and ssh.

In the top box, input your identifier (gene, Location, transcript or Karyotype), then select the link to the location or the "region in detail". Once on this page, click on "configure this page" (on the left hand side)

- Click on 'Configure this page'
- Then select 'Clones & misc. regions'
- To find the mouse BAC clones provided by Source BioScience select:
  - MHPN and MHPP (MICER clones)
  - RP21 (RPCI-21 clones)
  - RP23 (RPCI-23 clones)
  - BMQ



- Click on the tick in the top right corner to accept the changes to the configuration.
- The page will then reload and you will be able to see the traces for the clones that match the configuration.
- To find more information about each clone click on the respective line.



You can then use the **NCBI Clone DB** (<http://www.ncbi.nlm.nih.gov/clone/>) for finding out more detailed clone information (associated sequences, related clones etc). Search using the clone ID (e.g. [RP23-80P23](#))

To order, please use the clone ID in our [website search](#). Please note that due to MTA requirements we can only accept clone orders placed online.