

Displaying and downloading ENCODE data:

(Updated 3 October 2012, Mike Pazin)

ENCODE portal, human and mouse data: <http://encodeproject.org/>

modENCODE portal, fly and worm data: <http://www.modencode.org/>

ENCODE project homepages at NHGRI: <http://www.genome.gov/encode>

ENCODE
Encyclopedia of DNA Elements

Human

- Integrative Analysis
- Experiment Matrix
- Experiment List
- Search
- Downloads
- Genome Browser (hg19)
- Session Gallery
- Cell Types

Mouse

- Experiment Matrix
- Experiment List
- Search
- Downloads
- Genome Browser (mm9)
- Cell Types

About ENCODE Data

The **Encyclopedia of DNA Elements (ENCODE)** Consortium is an international collaboration of research groups funded by the National Human Genome Research Institute (NHGRI). The goal of ENCODE is to build a comprehensive parts list of functional elements in the human genome, including those that act at the protein and RNA levels, and regulatory elements that control cells and circumstances in which a gene is active.

ENCODE data are now available for the entire human genome. **All ENCODE data are free for immediate use via :**

- **Search** for displayable tracks and downloadable files
- **Download** of data files
- **Visualization** in the UCSC Genome Browser (ENCODE data marked with the NHGRI logo)
- **Data mining** with the UCSC Table Browser and other [UCSC Genome Bioinformatics](#) tools

To search for ENCODE data related to your area of interest and set up a browser view, use the UCSC [Experiment Matrix](#) or [Track Search tool](#) (both have advanced search features). The [Experiment List \(Human\)](#) and [Experiment List \(Mouse\)](#) links provide comprehensive listings of ENCODE data that is released or planned to be released. If you would like to receive notifications of ENCODE data releases and related news by email, [subscribe to the ENCODE mailing list](#). For information about how to access this data, see the free online [OpenHelix ENCODE tutorial](#).

All ENCODE data is freely available for download and analysis. However, before publishing research that uses ENCODE data, please read the [Release Policy](#), which places some restrictions on publication use of data for nine months following data release. [Read more](#) about ENCODE data.

News

28 September 2012 - New ENCODE on-line tutorial and Quick Reference Cards

To supplement the existing *ENCODE Foundations* tutorial, OpenHelix has developed a second tutorial describing newer ENCODE data and a [quick reference card](#) available from the website at <http://openhelix.com/ENCODE/>. Also available from [Genome.gov](#) is the [ENCODE Quick Reference Card](#).

The [ENCODE Portal](#) can be used to display and download ENCODE data. The portal includes links to a [matrix](#) and a [list](#) of all the human ENCODE datasets (Arrow 1). A [downloads](#) link (Arrow 2) permits download of ENCODE datasets. The [human genome browser](#) link displays curated human data (Arrow 3). Descriptions of the [human cell types](#) are provided (Arrow 4). Links to the mouse experiment [matrix](#) and [list](#), [downloads](#), [browser](#), and [cell types](#) are below (Arrow 5). Further down the list are links to the [Data Standards](#) ([experimental guidelines](#) and [quality metrics](#)), [antibodies](#), [publications](#) (ENCODE-funded publications are listed, as well as publications [using ENCODE data from non-ENCODE authors](#)), [software tools](#) (tools for [creating the resource](#), and tools for [analyzing ENCODE data](#)), and the [data policy](#). The ENCODE portal also features a [tutorial](#) on displaying and downloading data (Arrow 6). The [integrative analysis](#) page points to the ENCODE analysis virtual machine, the ENCODE analysis data hub, and the ENCODE analysis FTP site.