

# Accessing Roadmap Epigenomics Data (Updated October 2013)

1) Go to <http://www.roadmapepigenomics.org>

The screenshot shows the top navigation bar of the Roadmap Epigenomics Project website. The 'BROWSE DATA' tab is highlighted. A red arrow points from the text 'Click on the "Browse Data" link' to the 'BROWSE DATA' tab. Below the navigation bar, there are several sections including 'OVERVIEW', 'PROJECT DATA', 'MAPPING CENTERS', 'PROTOCOLS & STANDARDS', 'PUBLICATIONS', and 'NEWS'. A 'VIEW/DOWNLOAD QUICK LINKS' section is also visible, listing 'Genome Browsers' and 'Data Repositories'. A 'Data Types' section is partially visible at the bottom, showing a list of data types and a grid of data availability for various cell lines.

Click on the "Browse Data" link

2) Select tissues and assays

The screenshot shows the 'Data Types' section of the website. A pull-down menu is open, showing a list of assays such as 'BS-CpG', 'BS-CpG-25k', 'BS-CpG-75k', 'BS-CpG-100k', 'BS-CpG-150k', 'BS-CpG-200k', 'BS-CpG-250k', 'BS-CpG-300k', 'BS-CpG-350k', 'BS-CpG-400k', 'BS-CpG-450k', 'BS-CpG-500k', 'BS-CpG-550k', 'BS-CpG-600k', 'BS-CpG-650k', 'BS-CpG-700k', 'BS-CpG-750k', 'BS-CpG-800k', 'BS-CpG-850k', 'BS-CpG-900k', 'BS-CpG-950k', 'BS-CpG-1000k', 'BS-CpG-1050k', 'BS-CpG-1100k', 'BS-CpG-1150k', 'BS-CpG-1200k', 'BS-CpG-1250k', 'BS-CpG-1300k', 'BS-CpG-1350k', 'BS-CpG-1400k', 'BS-CpG-1450k', 'BS-CpG-1500k', 'BS-CpG-1550k', 'BS-CpG-1600k', 'BS-CpG-1650k', 'BS-CpG-1700k', 'BS-CpG-1750k', 'BS-CpG-1800k', 'BS-CpG-1850k', 'BS-CpG-1900k', 'BS-CpG-1950k', 'BS-CpG-2000k'. A red arrow points to the pull-down menu. Another red arrow points to a specific cell in the data table, which is highlighted in blue. The data table shows a grid of data availability for various cell lines and assays.

Select the pull-down on the right hand side of the page to filter results by assay.

Find tissues, primary cells, and cell lines grouped by organ and cell type.

4) Click on a blue box to view data for that combination of cell type and assay.

The image shows the Roadmap Epigenomics Project data browser interface. The top navigation bar includes 'HOME', 'PARTICIPANTS', 'BROWSE DATA', 'PROTOCOLS', 'COMPLETE EPIGENOMES', 'TOOLS', and 'PUBLICATIONS'. The main content area is divided into 'Data Types', 'Download Data', and 'Data Quality'. A search bar is located at the top right.

The 'Data Types' section features a 'DATA TABLE' and a 'VISUAL DATA BROWSER'. The 'VISUAL DATA BROWSER' displays a grid of data points for various cell types and assays. A red arrow points from a blue box in the grid to the 'Brain Cingulate Gyrus' track settings page.

The 'Brain Cingulate Gyrus' track settings page shows the following configuration:

- Maximum display mode:** full
- Select views (help):** H3K27me3 Signal, H3K36me3 Signal, H3K4me1 Signal, H3K4me3 Signal, H3K9ac Signal, H3K9me3 Signal, H3K27ac Signal, ChIP-Input Signal
- Select subtracks by cell/tissue and views:** All, Brain Cingulate Gyrus
- List subtracks:** only selected/visible (11 of 13 selected)

The subtracks list includes:

- H3K27me3 Signal
- H3K36me3 Signal
- H3K4me1 Signal
- H3K4me3 Signal
- H3K9ac Signal
- H3K9me3 Signal
- H3K27ac Signal
- ChIP-Input Signal