

Viewing Mouse ENCODE data

(Updated October 2013)

ENCODE has a wide variety of ChIP-seq data available for a wide assortment of cell types. The ChIP-seq Matrix provides access to, and a quick visual summary of, what is available.

1) Navigate to the Mouse Experiment Matrix from the ENCODE portal:

Go to <http://encodeproject.org/> or the UCSC browser. Directly select the Mouse Experiment Matrix link (bottom arrow).

Alternatively visit the Resources & FAQ page link (top arrow) first. Notice other useful links (such as to Tutorials, Cell Types, Antibodies, Publications, and Track and File Search). Click the link to the Human Experiment Matrix.

The screenshot shows the ENCODE website with a navigation menu on the left. A red arrow points from the 'Resources & FAQ' link in the menu to the 'Mouse Experiment Matrix' link in the main content area. Another red arrow points from the 'Mouse Experiment Matrix' link to the 'Assays' table below.

Cell Types	Open Chromatin	DNase-seq	RNA Profiling	RNA-seq	TFBS & Histones	Other	Regul-chip
10T1/2							
3134		1	1				
416B		1	1				
A20		1	1				
Adrenal				1			
B-cell_(CD19+)		1	1				
B-cell_(CD43-)		1	1			3	
BAT				1			4

2) From the Experiment Matrix click one of the links to the ChIP-seq Matrix or one of the other assays.

The screenshot shows the 'Mouse Experiment Matrix' page with a search bar and a table of assays. A red arrow points to the 'Regul-chip' column in the table.

Cell Types	Open Chromatin	DNase-seq	RNA Profiling	RNA-seq	TFBS & Histones	Other	Regul-chip
10T1/2							
3134		1	1				
416B		1	1				
A20		1	1				
Adrenal				1			
B-cell_(CD19+)		1	1				
B-cell_(CD43-)		1	1			3	
BAT				1			4

3) For CHIP-seq data, choose the corresponding Antibody Target and Cell Type of interest, such as CTCF CH12 cells (select tracks to view data, or files to download).

Home - Downloads - Data Policy - Data Standards - Experiment Summary - Experiment Matrix

ENCODE Mouse CHIP-seq Experiment Matrix *mm9*

search for: tracks files

Cell Types

Cell Type	H3ac	H3K27ac	H3K27me3	H3K36me3	H3K4me1	H3K4me2	H3K4me3	H3K79me2	H3K79me3	H3K9ac	H3K9me3	BHLHE40	CEBPB	CHD1	CHD2	CTCF	E2F4	EP300	ETS1	FLI1	FOSL1	GABPA	GATA1	GATA2
B-cell_(CD43-)			1	1																				
BAT		1			1		1																	
BMDM		1			1		1																	
BoneMarrow		1			1		1																	
C2C12	2		2	2		1	2	2	1													1		
Cerebellum		1	1		1		1									1								
CH12		1	1	2	2	1	3	1		1	1	1		1	1	2	1	1	1			1		
Cortex		1			1		1									1								
Erythrobl			1	1	1		1					1											1	
ES-Bruce4		1	1	1	1		1					1	1											1
ES-E14		1		1	2		2					1	1				1		1					
G1E			1	1	1		1									1							1	1
G1E-ER4			1	1	1		1									1							7	1

4) Alternatively Click the Experiment Summary link to select a CHIP factor across cell types.

Home - Downloads - Data Policy - Data Standards - Experiment Summary - Experiment Matrix

ENCODE Mouse CHIP-seq Experiment Matrix *mm9*

search for: tracks files

Cell Types

Cell Type	H3ac	H3K27ac	H3K27me3	H3K36me3	H3K4me1	H3K4me2	H3K4me3	H3K79me2	H3K79me3	H3K9ac	H3K9me3	BHLHE40	CEBPB	CHD1	CHD2	CTCF	E2F4	EP300	ETS1	FLI1	FOSL1	GABPA	GATA1	GATA2
B-cell_(CD43-)			1	1																				
BAT		1			1		1																	
BMDM		1			1		1																	
BoneMarrow		1			1		1																	
C2C12	2		2	2		1	2	2	1													1		
Cerebellum		1	1		1		1									1								
CH12		1	1	2	2	1	3	1		1	1	1		1	1	2	1	1	1			1		
Cortex		1			1		1									1								
Erythrobl			1	1	1		1					1												1
ES-Bruce4		1	1	1	1		1					1	1											1
ES-E14		1		1	2		2					1	1				1		1					
G1E			1	1	1		1									1							1	1
G1E-ER4			1	1	1		1									1							7	1

Home - Downloads - Data Policy - Data Standards - Experiment Matrix - **CHIP-seq Matrix**

ENCODE Mouse Experiment Summary *mm9*

search for: tracks files

Genome Annotation	Mappability	Total
Chip-seq	381	5
DNase-DGF	22	5
DNase-seq	55	
Repli-chip	18	
RNA-seq	102	
Total:	578	

CHIP-seq Experiments	Experiments
BHLHE40	2
CEBPB	2
CHD1	2
CHD2	2
CTCF	28
E2F4	3
EP300	5
ETS1	2
FLI1	1
FOSL1	1
GABPA	2
GATA1	12
GATA2	2
H3ac	2
H3K27ac	24
H3K27me3	20
H3K36me3	21
H3K4me1	32
H3K4me2	2
H3K4me3	37
H3K79me2	6
H3K79me3	1
H3K9ac	6
H3K9me3	2