Chromatin immunoprecipitation of mouse pancreatic beta and acinar cells, embryonic stem cells, Pdx1-expressing endocrine progenitors and 10 other normal adult tissues - Study GBCO4114

Genomics Study Specifications

**Study Name**
Chromatin immunoprecipitation of mouse pancreatic beta and acinar cells, embryonic stem cells, Pdx1-expressing endocrine progenitors and 10 other normal adult tissues

**Contact Name**
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**Publication**

**My Strategies**
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**Classification**
Tissue expression, surveys and comparisons; Pancreas development and growth

**Links**
- Biomaterials Graph
- ArrayExpress

**BCBC Release Date**
April 19, 2011

**Public Release Date**
April 19, 2011

**Citation**

**Synopsis**
To gain insights into how pancreatic beta-cells are programmed in vivo, we profiled key histone methylations (H3K4/K27me3) in embryonic stem cells, multipotent progenitors of the nascent embryonic pancreas, purified beta-cells, and 10 other adult tissues (all under normal, untreated conditions). For these cells we also purified RNA to analyze tissue specific genome wide transcription levels in relation to histone modifications. This study refers to the epigenomics component of such work. Corresponding RNA microarrays can be found in Array Express under accession E-TABM-906.

**Platform types**
Epigenomic, Histone modification ChIP-chip

**Platforms**
Not available

**Study Design Type**
- co-expression_design
- in_vivo_design
- organism_part_comparison_design

**Study Factors**
Show study factors

**Study Assays**
Show study assays

Access to Study Data
This Study Data is publicly available to all users.
Gene List(s)
There are no gene lists currently available for this study.

Genome Browser
Browse related tracks on the genome browser by clicking on the link(s) below:
View tracks for this study in the region near the
Pdx1 gene
H3K4me3 and H3K27me3 Peak Calls (Tissue Survey)

Lists of Locations
Use the following form(s) to refine the parameters and add the list of genomic sequences corresponding to peak calls to a strategy. Depending on your choices, these searches may be slow.

H3K27me3 Histone Modification in Murine Pdx1-expressing Endocrine Progenitor Cells (CisGenome Peak Calls)

Retrieve:
- Whole Genome
- Peaks in a Region of Interest (specify below):

chr11

Enter a region (e.g., chr:start-stop) or enter just the chromosome (e.g., chr12 or chrX) to search for peaks on a single chromosome. Select the "Whole Genome" option or leave the text box blank to return all results from this analysis.

Find Locations

Repositories

H3K4me3 Histone Modification in Murine Pdx1-expressing Endocrine Progenitor Cells (CisGenome Peak Calls)

- H3K27me3 Histone Modification in Murine Aciınar Cells (CisGenome Peak Calls)
- H3K4me3 Histone Modification in Murine Aciınar Cells (CisGenome Peak Calls)
- H3K27me3 Histone Modification in Murine Adipose Tissue (CisGenome Peak Calls)
- H3K4me3 Histone Modification in Murine Adipose Tissue (CisGenome Peak Calls)
- H3K27me3 Histone Modification in Murine Cerebellum (CisGenome Peak Calls)
- H3K4me3 Histone Modification in Murine Cerebellum (CisGenome Peak Calls)
- H3K27me3 Histone Modification in Murine Cortex (CisGenome Peak Calls)
- H3K4me3 Histone Modification in Murine Cortex (CisGenome Peak Calls)
- H3K27me3 Histone Modification in Murine ESC (CisGenome Peak Calls)
- H3K4me3 Histone Modification in Murine ESC (CisGenome Peak Calls)
- H3K27me3 Histone Modification in Murine Islets (CisGenome Peak Calls)
- H3K4me3 Histone Modification in Murine Islets (CisGenome Peak Calls)
- H3K27me3 Histone Modification in Murine Kidney (CisGenome Peak Calls)
- H3K4me3 Histone Modification in Murine Kidney (CisGenome Peak Calls)
- H3K27me3 Histone Modification in Murine Liver (CisGenome Peak Calls)
- H3K4me3 Histone Modification in Murine Liver (CisGenome Peak Calls)
- H3K27me3 Histone Modification in Murine Lung (CisGenome Peak Calls)
- H3K4me3 Histone Modification in Murine Lung (CisGenome Peak Calls)
- H3K27me3 Histone Modification in Murine Muscle (CisGenome Peak Calls)
- H3K4me3 Histone Modification in Murine Muscle (CisGenome Peak Calls)
- H3K27me3 Histone Modification in Murine Preputial Gland (CisGenome Peak Calls)
- H3K4me3 Histone Modification in Murine Preputial Gland (CisGenome Peak Calls)
- H3K27me3 Histone Modification in Murine Submandibulary Gland (CisGenome Peak Calls)
- H3K4me3 Histone Modification in Murine Submandibulary Gland (CisGenome Peak Calls)
- H3K27me3 Histone Modification in Murine Beta Cells (CisGenome Peak Calls)
- H3K4me3 Histone Modification in Murine Beta Cells (CisGenome Peak Calls)

Repositories

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Stock #: Not provided
Availability Notes: Not provided

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