



GREAT version 4.0.4 current (08/19/2019 to now) ▼

Job Description

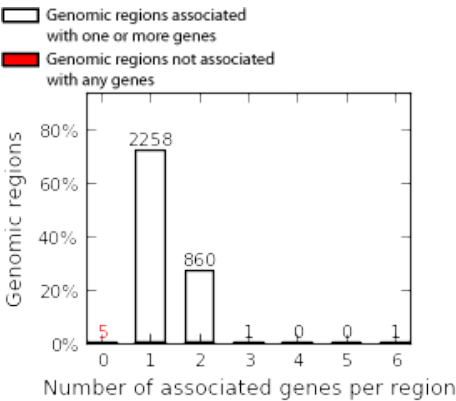
Job ID: 20250210-public-4.0.4-piyocl
Display name: K4me3_proximal_CpG_plus_Doub
Test set: K4me3_proximal_CpG_plus_Double_KO_vs_F_F.bed (3,125 genomic regions)
[Show in UCSC genome browser.](#) *How do I look at my regions in the genome?*
Background: Whole genome background
Assembly: Mouse: NCBI build 38 (UCSC mm10, Dec. 2011) *What gene set does GREAT use?*
Associated genomic regions: Basal+extension (constitutive 5.0 kb upstream and 1.0 kb downstream, up to 1000.0 kb max extension). Curated regulatory domains are included.
5 of all 3,125 genomic regions (0.2%) are not associated with any genes.
[View all genomic region-gene associations.](#) *Which genes are my regions associated with?*
[Revise the region-gene association rule.](#) *How are my regions associated with genes?*

Region-Gene Association Graphs

What do these graphs illustrate?

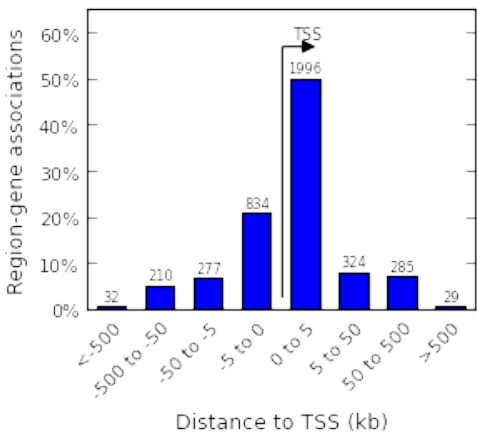
Number of associated genes per region

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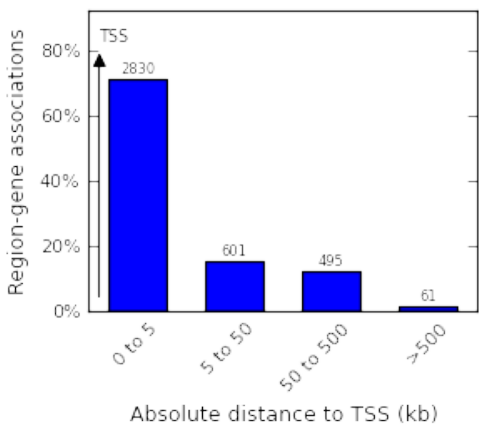
Binned by orientation and distance to TSS

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Binned by absolute distance to TSS

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Global Controls

Global Export ▼

Which data is exported by each option?

GO Biological Process (1 term)

Global controls

Table controls:

Export

Shown top rows in this table: 20

Set

Term annotation count: Min: 1

Max: Inf

Set

Visualize this table: [select one]

Term Name	Binom Rank	Binom Raw P-Value	Binom FDR Q-Val	Binom Fold Enrichment	Binom Observed Region Hits	Binom Region Set Coverage	Hyper Rank	Hyper FDR Q-Val	Hyper Fold Enrichment	Hyper Observed Gene Hits	Hyper Total Genes	Hyper Gene Set Coverage
antigen processing and presentation of peptide antigen via MHC class Ib	1	2.6239e-6	3.4347e-2	44.0757	4	0.13%	1,046	1.1349e-2	5.7606	4	4	0.11%

The test set of 3,125 genomic regions picked 3,714 (17%) of all 21,395 genes.
GO Biological Process has 13,090 terms covering 17,925 (84%) of all 21,395 genes, and 1,163,819 term - gene associations.
13,090 ontology terms (100%) were tested using an annotation count range of [1, Inf].

- GO Cellular Component (no terms)

Global controls
- GO Molecular Function (no terms)

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- Human Phenotype (no terms)

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- Mouse Phenotype Single KO (no terms)

Global controls
- Mouse Phenotype (no terms)

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