Genomes Genome Browser Tools Mirrors Downloads My Data Help About Us

Table Browser

Use this program to retrieve the data associated with a track in text format, to calculate intersections between tracks, and to retrieve DNA sequence covered by a track. For help in using this application see <u>Using the Table Browser</u> for a description of the controls in this form, the <u>User's Guide</u> for general information and sample queries, and the OpenHelix Table Browser <u>tutorial</u> for a narrated presentation of the software features and usage. For more complex queries, you may want to use <u>Galaxy</u> or our <u>public MySQL server</u>. To examine the biological function of your set through annotation enrichments, send the data to <u>GREAT</u>. Send data to <u>GenomeSpace</u> for use with diverse computational tools. Refer to the <u>Credits</u> page for the list of contributors and usage restrictions associated with these data. All tables can be downloaded in their entirety from the <u>Sequence and Annotation Downloads</u> page.

clade:	Mammal ▼	genome:	Human		▼ as	sembly:	Feb. 2	2009 (GRCh37/h	ıg19) ▼		
group:	Variation		▼	track:	All SNPs	(142)	▼	add custom tr	acks	track hub	S
table:	snp142CodingDb9	Snp	•	descr	ibe table s	chema					
region:	genome	ENCODE	Pilot re	gions 🤇	positio	n			I	ookup	define regions
identifiers (names/accessions): paste list upload list											
filter:	edit clear										
intersection: create											
output	format: all field	ds from selected	table		•	Send ou	tput to	Galaxy	☐ GF	REAT	GenomeSpace
output	file: 2015-11-19_	_nonsense		(le	ave blar	k to keep	outpu	ut in browser)			
file type returned: ○ plain text ● gzip compressed											
get outp	ut summary/sta	atistics									

To reset all user cart settings (including custom tracks), click here.

Using the Table Browser

This section provides brief line-by-line descriptions of the Table Browser controls. For more information on using this program, see the <u>Table Browser User's Guide</u>.

- clade: Specifies which clade the organism is in.
- · genome: Specifies which organism data to use.
- assembly: Specifies which version of the organism's genome sequence to use.
- **group:** Selects the type of tracks to be displayed in the *track* list. The options correspond to the track groupings shown in the Genome Browser. Select 'All Tracks' for an alphabetical list of all available tracks in all groups. Select 'All Tables' to see all tables including those not associated with a track.
- database: (with "All Tables" group option) Determines which database should be used for options in table menu.
- track: Selects the annotation track data to work with. This list displays all tracks belonging to the group specified in the group list.
- table: Selects the SQL table data to use. This list shows all tables associated with the track specified in the track list.
- describe table schema: Displays schema information for the tables associated with the selected track.
- region: Restricts the query to a particular chromosome or region. Select genome to apply the query to the entire genome or ENCODE to examine only the ENCODE Pilot regions. To limit the query to a specific position, type a chromosome name, e.g. chrX, or a chromosome coordinate range, such as chrX:100000-200000, or a gene name or other id in the text box. You can select multiple genomic regions by clicking the "define regions" button and entering up to 1,000 regions in a 3- or 4-field BED file format.
- lookup: Press this button after typing in a gene name or other id in the position text box to look up the chromosome position
- identifiers (selected tracks only): Restricts the output to table data that match a list of identifiers, for instance RefSeq accessions for the RefSeq track. If no identifiers are entered, all table data within the specified region will be displayed.
- **filter:** Restricts the query to only those items that match certain criteria, e.g. genes with a single exon. Click the *Create* button to add a filter, the *Edit* button to modify an existing filter, or the *Clear* button to remove an existing filter.
- intersection (selected tracks only): Combines the output of two queries into a single set of data based on specific join criteria. For example, this can be used to find all SNPs that intersect with RefSeq coding regions. The intersection can be configured to retain the existing alignment structure of the table with a specified amount of overlap, or discard the structure in favor of a simple list of position ranges using a base-pair intersection or union of the two data sets. The button functionalities are similar to those of the filter option.
- output: Specifies the output format (not all options are available for some tracks). Formats include:
 - all fields from selected table data from the selected table displayed in a tab-separated format suitable for import into spreadsheets and relational databases. The ASCII format may be read in any web browser or text editor.
 - selected fields from primary and related tables user-selected set of tab-separated fields from the selected table and (optionally) other related tables as well.
 - o sequence DNA (or protein sequence, in some cases) associated with the table.
 - o BED positions of data items in a standard UCSC Browser format.
 - **GTF** positions of all data items in a standard gene prediction format. (Both BED and GTF formats can be used as the basis for custom tracks).

- CDS FASTA alignment from multiple alignment FASTA alignments of the CDS regions of a gene prediction track using
 any of the multiple alignment tracks for the current database. Output sequence can be in either nucleotide-space or
 translated to protein-space. Available only for genePred tracks.
- o custom track customized Genome Browser annotation track based on the results of the query.
- *hyperlinks to Genome Browser* returns a page full of hyperlinks to the UCSC Genome Browser, one for each item in the table.
- o data points the data points that make up a graph (aka wiggle) track.
- o *MAF* multiple alignments in MAF format
- Send output to Galaxy: displays results of query in Galaxy, a framework for interactive genome analysis.
- **Send output to GREAT:** displays the functional enrichments of the query results in <u>GREAT</u>, a tool for analysis of the biological function of cis-regulatory regions.
- Send output to GenomeSpace: sends data to GenomeSpace Data Manager for use with diverse computational tools.
- file type returned: When a filename is entered in the "output file" text box, specifies the format of the output file:
 - o plain text data is in ASCII format
 - o gzip compressed data is compressed in gzip format
- get output: Submits a data query based on the specified parameters and returns the output.
- summary/statistics: Displays statistics about the data specified by the parameters.