

Physical Data Model
Model: Analysis DB by MySQL
Package:
Diagram: Analysis DB
Author: NTTSOFT **Date : 2005/03/14**
Version : 2.1

This color table is transaction data tabl

This color table is master data tabl

tfbs_summary.tfbs_type
 - TRANSFAC
 - Jaspur
 - Positional_Preference
 - Bucher
 - EPD

dev_stage
dev_stage_id varchar(16) not null
dev_stage_name varchar(64) not null

tissue
tissue_id int not null
tissue_name varchar(32) not null
category_name varchar(6) null
category_description varchar(64) null

tss_ids
tss_id varchar(24) not null
basic_tss_ids text null
library_tss_ids text null
riken_tss_ids text null

di_tag_summary.di_tag_type
 - GIS
 - GSC

di_tag_summary
di_tag_id varchar(49) not null
public_id varchar(24) not null
di_tag_type varchar(12) not null
chr_no varchar(6) not null
chr_id tinyint not null
strand char(1) not null
start_pos int not null
end_pos int not null
tags int not null
basic_TSSs int not null
library_TSSs int not null
riken_TSSs int not null

rna_lib_summary
rna_lib_id varchar(10) not null
tissue_id int not null
dev_stage_id varchar(16) not null
category_id int not null
short_description varchar(64) not null
cage_tags int not null
CTSSs int not null
basic_TSSs int not null
library_TSSs int not null
riken_TSSs int not null
TEs int not null

tss_library_expr_summary
tss_rna_lib_id int identity
tss_id varchar(24) not null
rna_lib_id varchar(10) not null
priming_type varchar(10) null
tss_tags int not null
tpm float null

tss_summary
tss_id varchar(24) not null
tss_type varchar(12) not null
priming_type varchar(10) null
chr_no varchar(6) not null
chr_id tinyint not null
strand char(1) not null
start_pos int not null
end_pos int not null
represent_type varchar(12) not null
represent_pos int not null
CTSSs int not null
cage_tags int not null
gis_di_tags int not null
gsc_di_tags int not null
EPD_TSSs int not null
DBTSSs int not null
long_SAGES int not null
mRNA_five_primes int not null
mRNA_EST_five_primes int not null
gis_di_tag_regions int not null
gsc_di_tag_regions int not null
mRNA_regions int not null
mRNA_up1000s int not null
mRNA_first_exons int not null
mRNA_other_exons int not null
mRNA_introns int not null
mRNA_EST_regions int not null
mRNA_EST_up1000s int not null
mRNA_EST_first_exons int not null
mRNA_EST_other_exons int not null
mRNA_EST_introns int not null
is_TATA tinyint not null
is_Initiator tinyint not null
is_BRE tinyint not null
is_DPE tinyint not null
is_PSE tinyint not null
percent_cp_g_island float null
percent_conserved_region float null
CDSs int not null

tss_di_tag
tss_di_tag_id int identity
tss_id varchar(24) not null
di_tag_id varchar(49) not null

tss_tfbs
tss_tfbs_id int identity
tss_id varchar(24) not null
tfbs_id varchar(49) not null
tfbs_type varchar(24) not null
position int not null
score float null

tfbs_summary
tfbs_id varchar(49) not null
public_id varchar(24) not null
tfbs_type varchar(24) not null
keyword varchar(32) null
definition varchar(255) null
basic_TSSs int not null
library_TSSs int not null
riken_TSSs int not null

ctss_library_expr_summary
ctss_rna_lib_id int identity
ctss_id varchar(12) not null
rna_lib_id varchar(10) not null
priming_type varchar(10) null
ctss_tags int not null
tpm float null

significant_difference
sign_diff_id int identity
tss_id varchar(24) not null
rna_lib_id1 varchar(10) not null
rna_lib_id2 varchar(10) not null
priming_type1 varchar(10) not null
priming_type2 varchar(10) not null
fisher_pvalue double precision null
chi_seq_pvalue double precision null

tss_summary.tss_type
 - BasicTSS
 - RikenTSS
 - LibraryTSS

tss_summary.priming_type
 - random

tss_summary.represent_type
 - CAGE
 - GIS
 - GSC
 - RIKEN 5' END
 - RIKEN mRNA
 - long-SAGE
 - dbtss

neighbor_te
neighbor_id int identity
te_id int not null
neighbor_te_id int not null
neighbor_type varchar(16) not null
strand char(1) not null

ctss_summary
ctss_id varchar(12) not null
chr_no varchar(6) not null
chr_id tinyint not null
strand char(1) not null
start_pos int not null
cage_tags int not null
basic_TSSs int not null
library_TSSs int not null
riken_TSSs int not null

tss_ctss
tss_ctss_id int identity
tss_id varchar(24) not null
ctss_id varchar(12) not null

tss_te
tss_te_id int identity
tss_id varchar(24) not null
te_id int not null

te_summary
te_id int not null
chr_no varchar(6) not null
chr_id tinyint not null
strand char(1) not null
start_pos int not null
end_pos int not null
cage_tags int not null
CTSSs int not null
basic_TSSs int not null
library_TSSs int not null
riken_TSSs int not null
represent_gene_id varchar(49) not null

te_gene_symbol
te_gene_symbol_id int identity
te_id int not null
gene_symbol varchar(64) not null

te_gene_description
te_gene_description_id int identity
te_id int not null
gene_description text not null

any_keyword.category_name
 - BasicTSS
 - LibraryTSS
 - RikenTSS
 - CTSS
 - RNALib
 - GIS
 - CSC
 - GB
 - ENSEMBL
 - REFSEQ
 - RIKEN
 - TRANSFAC
 - Jaspur
 - Positional_Preference
 - Bucher
 - EPD
 - Gene Symbol
 - Gene Description
 - GO ID
 - GO Name

any_keyword
any_keyword_id int identity
keyword text not null
category_name varchar(16) not null
category_group varchar(16) not null

any_keyword.category_group
 - TSS
 - CTSS
 - TE
 - RNALib
 - Transcript
 - TFBS
 - Keyword

tss_est
tss_est_id int identity
tss_id varchar(24) not null
est_type varchar(12) not null
five_primes int not null
up1000s int not null
first_exons int not null
other_exons int not null
introns int not null

tss_est.est_type
 - RIKEN
 - MGC
 - DBTSS

gene_summary
gene_id varchar(49) not null
public_id varchar(32) not null
public_db_name varchar(16) not null
clone_id varchar(10) null
chr_no varchar(6) not null
chr_id tinyint not null
strand char(1) not null
start_pos int not null
end_pos int not null
locus_link_id int null
te_id int not null

te_go
te_go_id int identity
te_id int not null
go_id varchar(16) not null
category varchar(32) not null
go_name varchar(255) null

ortholog
ortholog_id int identity
locus_link_id int not null
other_locus_link_id int not null
organism_type varchar(24) not null
similarity_type varchar(10) null

ortholog.organism_type
 - Homo sapiens
 - Mus musculus
 - Rattus norvegicus