

tx_log			
<u>last_activity</u>	TIMESTAMP	<pk>	not null
module	VARCHAR(500)		null
status	VARCHAR(255)		null
comment	TEXT		null

om_gene_position			
<u>id_position</u>	INT4	<pk>	not null
id_ucsc	VARCHAR(20)		null
id_ensembl	VARCHAR(50)		null
id_assembly	VARCHAR(50)	<fk1>	not null
id_gene	INT4	<fk2>	null
chrom	VARCHAR(20)		not null
strand	VARCHAR(1)		not null
tx_start	INT4		not null
tx_end	INT4		not null
cds_start	INT4		null
cds_end	INT4		null
exon_count	INT4		null

om_assembly			
<u>id_assembly</u>	VARCHAR(50)	<pk>	not null
id_organism	INT4	<fk>	not null
ucsc_code	VARCHAR(20)		not null
name	VARCHAR(255)		null

om_organism			
<u>id_organism</u>	INT4	<pk>	not null
name	VARCHAR(255)		not null

om_protein			
<u>id_protein</u>	VARCHAR(50)	<pk>	not null
id_gene	INT4	<fk>	null

om_gene			
<u>id_gene</u>	INT4	<pk>	not null
gene_symbol	VARCHAR(50)		null
title	VARCHAR(255)		null
location	VARCHAR(100)		null
status	VARCHAR(100)		null
type	VARCHAR(100)		null
date_modified	DATE		null
last_update	DATE		not null

om_gene_history			
<u>id_gene_before</u>	INT4	<pk,fk1>	not null
<u>id_gene_after</u>	INT4	<pk,fk2>	not null

om_protein_sequence			
<u>id_sequence</u>	VARCHAR(50)	<pk>	not null
id_protein	VARCHAR(50)	<fk>	not null
meta	TEXT		not null
length	INT4		not null
pi	FLOAT8		null
average_mass	FLOAT8		null
monoisotopic_mass	FLOAT8		null
canonical	boolean		not null
sequence	TEXT		not null
last_update	DATE		not null

om_gene_alias			
<u>id_gene</u>	INT4	<pk,fk>	not null
<u>alias</u>	VARCHAR(50)	<pk>	not null
database	VARCHAR(50)		not null

om_gp_gpl570			
<u>id_probe</u>	VARCHAR(50)	<pk,fk1>	not null
<u>id_gene</u>	INT4	<pk,fk2>	not null

om_probe_gpl570			
<u>id_probe</u>	VARCHAR(50)	<pk>	not null

