BIGSdb Sequence/profile definitions database (version 1.31)

Client databases

client_dbase_loci_fields
PK,FK1 PK PK,FK3 — client_dbase_id, isolate_field, locus
FK2 — allele_query, curator, datestamp

client_dbase_loci
PK,FK1 PK,FK2 — client_dbase_id, locus
FK3 — locus_alias, curator, datestamp

client_dbases
PK — id
FK1 — name, description, dbase_name, dbase_config_name, dbase_view, dbase_host, dbase_port, dbase_user, dbase_password, url, curator, datestamp

client_dbase_schemes
PK,FK1 PK,FK2 — client_dbase_id, scheme_id
FK3 — client_scheme_id, curator, datestamp

client_dbase_cschemes
PK,FK1 PK,FK2 — client_dbase_id, cscheme_id
client_cscheme_id, curator, datestamp

Loci

locus_curators
PK,FK1 PK,FK2 — locus, curator_id
FK3 — hide_public, curator, datestamp

locus_aliases
PK,FK1 PK — locus, alias
FK2 — curator, datestamp

locus_stats
PK,FK2 — locus
allele_count, min_length, max_length, datestamp

loci
PK — id
data_type, locus_type, allele_id_format, allele_id_regex, formatted_name, common_name, formatted_common_name, length, length_varies, min_length, max_length, coding_sequence, orf, match_longest, complete_cds, id_check_type_alleles, no_submissions, id_check_threshold
FK1 — curator, date_entered, datestamp

locus_extended_attributes
PK,FK1 PK — locus, field
value_format, value_regex, description, length, option_list, url, required, main_display, field_order, datestamp, curator
FK2

locus_links
PK,FK2 PK — locus, url
description, link_order, curator, datestamp
FK1

locus_descriptions
PK,FK1 — locus
full_name, product, description, curator, datestamp
FK2

locus_refs
PK,FK2 PK — locus, pubmed_id
FK1 — curator, datestamp

Allele sequences

sequences
PK,FK1 PK — locus, allele_id
sequence, status, comments, validated, exemplar, lock_exemplar, type_allele, lock_type, inferred_allele_id, date_entered, datestamp, sender, curator
FK4
FK2 FK3

accession
PK,FK1 PK,FK1 PK PK — locus, allele_id, databank, databank_id
FK2 — curator, datestamp

allele_flags
PK,FK1 PK,FK1 PK — locus, allele_id, flag
FK2 — curator, datestamp

retired_allele_ids
PK,FK1 PK — locus, allele_id
FK2 — curator, datestamp

sequence_extended_attributes
PK,FK1,FK2 PK,FK1 PK,FK2 — locus, field, allele_id
value, datestamp, curator

sequence_references
PK,FK1 PK,FK1 PK — locus, allele_id, pubmed_id
FK2 — curator, datestamp

Users

user_dbases
PK — id
name, dbase_name, dbase_host, dbase_port, dbase_user, dbase_password, list_order, auto_registration, datestamp

user_groups
PK — id
FK1 — description, datestamp, curator

permission
PK,FK1 PK — user_id, permission
curator, datestamp

users
PK — id
FK1 — user_name, surname, first_name, email, affiliation, status, user_db, submission_emails, date_entered, datestamp

user_group_members
PK,FK1 PK,FK2 — user_id, user_group
FK3 — curator, datestamp

Submissions

submissions
PK — id
FK1 — type, submitter, date_submitted, datestamp, status
FK2 — curator, outcome, email

allele_submissions
PK,FK1 — submission_id
FK2 — locus, technology, read_length, coverage, assembly, software

allele_submission_sequences
PK,FK1 PK — submission_id, seq_id
index, sequence, status, assigned_id, databank, databank_id, pubmed_id

messages
PK,FK1 PK — submission_id, timestamp
FK2 — user_id, message

profile_submissions
PK,FK1 — submission_id
FK2 — scheme_id

profile_submission_profiles
PK,FK1 PK — submission_id, profile_id
index, status, assigned_id

profile_submission_designations
PK,FK1 PK,FK1 PK,FK2 — submission_id, profile_id, locus
allele_id

Classification groups

classification_schemes
PK — id
FK1 — scheme_id, name, description, inclusion_threshold, use_relative_threshold, display_order, status, curator, datestamp
FK2

classification_groups
PK,FK1 PK — cg_scheme_id, group_id
FK2 — curator, datestamp, active

classification_group_profile_history
PK PK,FK1 PK,FK1 — timestamp, scheme_id, profile_id
FK2 FK2 — cg_scheme_id, previous_group, comment

classification_group_profiles
PK,FK2,FK3 PK,FK2 PK,FK1 — cg_scheme_id, group_id, profile_id
FK1,FK3 FK4 — scheme_id, curator, datestamp

classification_group_fields
PK,FK1 PK — cg_scheme_id, field
type, value_regex, description, field_order, curator, datestamp
FK2

classification_group_field_values
PK,FK1,FK2 PK,FK1 PK,FK2 — cg_scheme_id, field, group_id
FK3 — value, curator, datestamp

Sets

set_schemes
PK,FK1 PK,FK2 — set_id, scheme_id
FK3 — set_name, curator, datestamp

sets
PK — id
description, long_description, display_order, hidden, curator, datestamp
FK1

set_loci
PK,FK2 PK,FK1 — set_id, locus
set_name, formatted_set_name, set_common_name, formatted_set_common_name, curator, datestamp
FK3

Schemes

schemes
PK — id
name, description, display_order, allow_missing_loci, max_missing, disable, no_submissions, curator, date_entered, datestamp
FK1

scheme_members
PK,FK1 PK,FK2 — scheme_id, locus
field_order, curator, datestamp
FK3

scheme_curators
PK,FK1 PK,FK2 — scheme_id, curator_id
FK3 — curator, datestamp

scheme_flags
PK,FK1 PK — scheme_id, flag
FK2 — curator, datestamp

scheme_links
PK,FK1 PK — scheme_id, url
description, link_order, curator, datestamp
FK2

scheme_warehouse_indices
PK,FK1 PK,FK2 — scheme_id, locus
index

scheme_refs
PK,FK1 PK — scheme_id, pubmed_id
FK2 — curator, datestamp

scheme_groups
PK — id
name, description, display_order, seq_query, curator, datestamp
FK1

scheme_group_scheme_members
PK,FK1 PK,FK2 — group_id, scheme_id
FK3 — curator, datestamp

scheme_group_group_members
PK,FK1 PK,FK2 — parent_group_id, group_id
FK3 — curator, datestamp

scheme_fields
PK,FK1 PK — scheme_id, field
type, primary_key, value_regex, description, field_order, dropdown, curator, datestamp
FK2

Profiles

profile_members
PK,FK1,FK4 PK,FK2 PK,FK2 — locus, scheme_id, profile_id
FK4 FK3 — allele_id, curator, datestamp

profile_fields
PK,FK1,FK2 PK,FK1 PK,FK2 — scheme_id, scheme_field, profile_id
FK3 — value, curator, datestamp

retired_profiles
PK,FK1 PK — scheme_id, profile_id
FK2 — curator, datestamp

profile_history
PK PK,FK1 PK,FK1 — timestamp, scheme_id, profile_id
FK2 — action, curator

profile_references
PK,FK1 PK,FK1 PK — scheme_id, profile_id, pubmed_id
FK2 — curator, datestamp

profiles
PK PK — scheme_id, profile_id
FK1 FK2 — sender, curator, date_entered, datestamp

Curator field foreign key relationships to users table are not shown to aid clarity.