BIGSdb Sequence/profile definitions database (version 1.16)

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
	name, description, dbase_name, dbase_config_name, dbase_view, dbase_host, dbase_port, dbase_user, dbase_password, url, curator, datestamp
FK1	

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

Loci

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

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

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

locus_curators
PK,FK1 PK,FK2	locus / curator_id
	hide_public

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

loci
PK	id
	data_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, curator, date_entered, datestamp
FK1	

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

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

user_groups
PK	id
FK1	description, datestamp, curator

permission
PK,FK1 PK	user_id / permission
	curator / datestamp

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

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, curator, outcome, email
FK2	

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

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

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

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, 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, dropdown, curator, datestamp
FK2	

classification_group_profile_fields
PK,FK1,FK2 PK,FK1 PK,FK2 PK,FK2	cg_scheme_id / field / group_id / profile_id
	value, curator, datestamp
FK3	

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

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

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

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

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

scheme_curators
| PK,FK1 PK,FK2 | scheme_id / curator_id |

scheme_warehouse_indices
PK,FK1 PK,FK2	scheme_id / locus
	index

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

scheme_groups
PK	id
FK1	name, description, display_order, seq_query, 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	

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

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,FK2 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.