

PGNC database

Data Dictionary

Model: Model - pgnc@docker
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1. Introduction

A data dictionary is a collection of metadata such as object name, data type, size, classification, and relationships with other data assets. It is used by data administrators, analysts, and engineers to understand and trust data assets. It helps in the creation of authentic, transparent, and consistent data throughout the organization.

In this data dictionary, following models are chosen for documentation:

Model - pgnc@docker (PostgreSQL)

For each model, definitions of tables (entities/collections), views, functions are listed in order. Detailed properties of data elements (data type, size, nullability, optionality, indexes, foreign keys, constraints) are organized in tabular format.

2. Model: pgnc (PostgreSQL)

Version: PostgreSQL 16.3

1 database is listed below.

2.1. Database: pgnc

1 schema is listed below.


2.1.1. Schema: public

Database objects to be listed: 32 tables, 9 functions

2.1.1.1. Tables

2.1.1.1.1. Table: assembly

Fields



Pos	Name	Type	Not Null	Others
1	id 	int4(32) Auto Increment	✓	
2	taxon_id	int4(32)	✓	
3	name	varchar(255)	✓	
4	genbank_accession	varchar(128)	✓	
5	refseq_accession	varchar(128)	✓	
6	current	bool	✓	Default: true
7	pgnc_default	bool	✓	Default: true

Foreign Keys

Name	Fields	Referenced Table	Referenced Fields	On Delete	On Update
assembly_fk_1	taxon_id	public.species	taxon_id	RESTRICT	CASCADE

2.1.1.1.2. Table: assembly_has_location

Fields


Pos	Name	Type	Not Null	Others
1	assembly_id 	int8(64)	✓	
2	location_id 	int8(64)	✓	

Foreign Keys

Name	Fields	Referenced Table	Referenced Fields	On Delete	On Update
assembly_location_fk_1	assembly_id	public.assembly	id	RESTRICT	RESTRICT
assembly_location_fk_2	location_id	public.location	id	RESTRICT	RESTRICT

2.1.1.1.3. Table: external_resource

Fields


Pos	Name	Type	Not Null	Others
1	id 	int8(64) Auto Increment	✓	
2	name	varchar(255)	✓	

Uniques

Name	Fields
ext_res_uniq_name	name

2.1.1.1.4. Table: gene

Fields

Pos	Name	Type	Not Null	Others
1	id 	int8(64) Auto Increment	✓	
2	taxon_id	int8(64)	✓	
3	creator_id	int8(64)	✓	
4	creation_date	timestamp	✓	
5	editor_id	int8(64)		

6	mod_date	timestamp		
7	withdrawn_date	timestamp		
8	status	(Type)	✓	Default: 'internal'::gene_status

Foreign Keys



Name	Fields	Referenced Table	Referenced Fields	On Delete	On Update
gene_fk_1	creator_id	public.user	id	RESTRICT	RESTRICT
gene_fk_2	taxon_id	public.species	taxon_id	RESTRICT	RESTRICT
gene_fk_3	editor_id	public.user	id	RESTRICT	RESTRICT

Triggers

Name	Time	Insert	Update	Delete	Truncate
do_creation_date	BEFORE	✓			
do_history	AFTER		✓		
do_mod_date	BEFORE		✓		
do_withdrawn_date	BEFORE		✓		
prevent_creation_date_update_trigger	BEFORE		✓		
prevent_creator_id_update_trigger	BEFORE		✓		
prevent_id_update_trigger	BEFORE		✓		
prevent_withdrawn_twice	BEFORE		✓		

2.1.1.1.5. Table: gene_has_location

Fields

Pos	Name	Type	Not Null	Others
1	gene_id 	int8(64)	✓	
2	location_id 	int8(64)	✓	
3	creator_id	int8(64)	✓	
4	creation_date	timestamp	✓	
5	editor_id	int8(64)		

6	withdrawn_date	timestamp		Default: NULL::timestamp without time zone
7	status	(Type)	✓	Default: 'internal'::basic_status

Foreign Keys

Name	Fields	Referenced Table	Referenced Fields	On Delete	On Update
gene_location_fk_1	gene_id	public.gene	id	CASCADE	RESTRICT
gene_location_fk_2	location_id	public.location	id	CASCADE	RESTRICT
gene_location_fk_3	creator_id	public.user	id	RESTRICT	RESTRICT
gene_location_fk_4	editor_id	public.user	id	RESTRICT	RESTRICT

Triggers

Name	Time	Insert	Update	Delete	Truncate
do_creation_date	BEFORE	✓			
do_withdrawn_date	BEFORE		✓		
stop_creation_date_update	BEFORE		✓		
stop_creator_update	BEFORE		✓		
stop_gene_id_update	BEFORE		✓		
stop_location_id_update	BEFORE		✓		
stop_withdrawn_date_update	BEFORE		✓		

2.1.1.1.6. Table: gene_has_locus_type

Fields

Pos	Name	Type	Not Null	Others
1	gene_id	int8(64)	✓	
2	locus_type_id	int8(64)	✓	
3	creator_id	int8(64)	✓	
4	creation_date	timestamp	✓	

5	editor_id	int8(64)		
6	withdrawn_date	timestamp		Default: NULL::timestamp without time zone
7	status	(Type)	✓	Default: 'internal'::basic_status

Foreign Keys



Name	Fields	Referenced Table	Referenced Fields	On Delete	On Update
gene_has_locus_type_fk_1	gene_id	public.gene	id	RESTRICT	RESTRICT
gene_has_locus_type_fk_2	locus_type_id	public.locus_type	id	RESTRICT	RESTRICT
gene_has_locus_type_fk_3	editor_id	public.user	id	RESTRICT	RESTRICT
gene_has_locus_type_fk_4	creator_id	public.user	id	RESTRICT	RESTRICT

Triggers

Name	Time	Insert	Update	Delete	Truncate
do_creation_date	BEFORE	✓			
do_withdrawn_date	BEFORE		✓		
stop_creation_date_update	BEFORE		✓		
stop_creator_id_update	BEFORE		✓		
stop_gene_id_update	BEFORE		✓		
stop_locus_type_id_update	BEFORE		✓		
stop_withdrawn_twice	BEFORE		✓		

2.1.1.1.7. Table: gene_has_name

Fields

Pos	Name	Type	Not Null	Others
1	gene_id 	int8(64)	✓	
2	name_id 	int8(64)	✓	
3	type	(Type)	✓	Default: 'alias'::nomenclature_type

4	creator_id	int8(64)	✓	
5	creation_date	timestamp	✓	
6	editor_id	int8(64)		
7	mod_date	timestamp		Default: NULL::timestamp without time zone
8	withdrawn_date	timestamp		Default: NULL::timestamp without time zone
9	status	(Type)	✓	Default: 'internal'::basic_status

Foreign Keys




Name	Fields	Referenced Table	Referenced Fields	On Delete	On Update
gene_name_fk_1	gene_id	public.gene	id	CASCADE	RESTRICT
gene_name_fk_2	name_id	public.name	id	CASCADE	RESTRICT
gene_name_fk_3	editor_id	public.user	id	RESTRICT	RESTRICT
gene_name_fk_4	creator_id	public.user	id	RESTRICT	RESTRICT

Triggers

Name	Time	Insert	Update	Delete	Truncate
do_creation_date	BEFORE	✓			
do_mod_date	BEFORE		✓		
do_withdrawn_date	BEFORE		✓		
stop_creation_date_update	BEFORE		✓		
stop_creator_id_update	BEFORE		✓		
stop_gene_id_update	BEFORE		✓		
stop_locus_type_id_update	BEFORE		✓		
stop_withdrawn_twice	BEFORE		✓		

2.1.1.1.8. Table: gene_has_note

Fields

Pos	Name	Type	Not Null	Others
1	gene_id 	int8(64)	✓	
2	note_id 	int8(64)	✓	
3	editor_id	int8(64)		
4	creator_id 	int8(64)	✓	
5	creation_date	timestamp	✓	
6	withdrawn_date	timestamp		
7	status	(Type)	✓	Default: 'internal'::basic_status

Foreign Keys


Name	Fields	Referenced Table	Referenced Fields	On Delete	On Update
gene_note_fk_1	gene_id	public.gene	id	CASCADE	RESTRICT
gene_note_fk_2	note_id	public.note	id	CASCADE	RESTRICT
gene_note_fk_3	creator_id	public.user	id	RESTRICT	RESTRICT


Triggers

Name	Time	Insert	Update	Delete	Truncate
do_creation_date	BEFORE	✓			
do_withdrawn_date	BEFORE		✓		
stop_creation_date_update	BEFORE		✓		
stop_creator_id_update	BEFORE		✓		
stop_gene_id_update	BEFORE		✓		
stop_note_id_update	BEFORE		✓		
stop_withdrawn_twice	BEFORE		✓		

2.1.1.1.9. Table: gene_has_symbol

Fields

Pos	Name	Type	Not Null	Others
1	gene_id 	int8(64)	✓	

2	symbol_id 	int8(64)	✓	
3	type	(Type)	✓	Default: 'alias'::nomenclature_type
4	creator_id	int8(64)	✓	
5	creation_date	timestamp	✓	
6	editor_id	int8(64)		
7	mod_date	timestamp		Default: NULL::timestamp without time zone
8	withdrawn_date	timestamp		Default: NULL::timestamp without time zone
9	status	(Type)	✓	Default: 'internal'::basic_status

Foreign Keys



Name	Fields	Referenced Table	Referenced Fields	On Delete	On Update
gene_symbol_fk_1	gene_id	public.gene	id	CASCADE	RESTRICT
gene_symbol_fk_2	symbol_id	public.symbol	id	CASCADE	RESTRICT
gene_symbol_fk_3	editor_id	public.user	id	RESTRICT	RESTRICT
gene_symbol_fk_4	creator_id	public.user	id	RESTRICT	RESTRICT

Triggers

Name	Time	Insert	Update	Delete	Truncate
do_creation_date	BEFORE	✓			
do_mod_date	BEFORE		✓		
do_withdrawn_date	BEFORE		✓		
stop_creation_date_update	BEFORE		✓		
stop_creator_id_update	BEFORE		✓		
stop_gene_id_update	BEFORE		✓		
stop_symbol_id_update	BEFORE		✓		
stop_withdrawn_twice	BEFORE		✓		

2.1.1.1.10. Table: gene_has_xref

Fields

Pos	Name	Type	Not Null	Others
1	gene_id 	int8(64)	✓	
2	xref_id 	int8(64)	✓	
3	creator_id	int8(64)	✓	
4	creation_date	timestamp	✓	
5	editor_id	int8(64)		
6	withdrawn_date	timestamp		Default: NULL::timestamp without time zone
7	source	varchar(10)	✓	
8	curation_date	timestamp		
9	status	(Type)	✓	Default: 'internal'::basic_status

Foreign Keys


Name	Fields	Referenced Table	Referenced Fields	On Delete	On Update
gene_xref_fk_1	gene_id	public.gene	id	CASCADE	RESTRICT
gene_xref_fk_2	editor_id	public.user	id	RESTRICT	RESTRICT
gene_xref_fk_3	creator_id	public.user	id	RESTRICT	RESTRICT
gene_xref_fk_4	xref_id	public.xref	id	CASCADE	RESTRICT

Triggers

Name	Time	Insert	Update	Delete	Truncate
do_creation_date	BEFORE	✓			
do_curated_date	BEFORE	✓			
do_withdrawn_date	BEFORE		✓		
stop_creation_date_update	BEFORE		✓		
stop_creator_id_update	BEFORE		✓		
stop_gene_id_update	BEFORE		✓		
stop_withdrawn_twice	BEFORE		✓		
stop_xref_id_update	BEFORE		✓		

2.1.1.1.11. Table: gene_history

Fields

Pos	Name	Type	Not Null	Others
1	id 	int8(64) Auto Increment	✓	
2	gene_id	int8(64)	✓	
3	field	varchar(30)	✓	
4	pre_update_value	varchar(255)		
5	post_update_value	varchar(255)		
6	editor_id	int8(64)	✓	
7	update_date	timestamp	✓	

Foreign Keys



Name	Fields	Referenced Table	Referenced Fields	On Delete	On Update
gene_history_fk_1	gene_id	public.gene	id	RESTRICT	RESTRICT

Triggers

Name	Time	Insert	Update	Delete	Truncate
stop_updates	BEFORE		✓		

2.1.1.1.12. Table: gene_replacement

Fields

Pos	Name	Type	Not Null	Others
1	previous_id 	int8(64)	✓	
2	replacement_id 	int8(64)	✓	
3	date	timestamp	✓	Default: now()
4	editor_id	int8(64)	✓	

Foreign Keys


Name	Fields	Referenced Table	Referenced Fields	On Delete	On Update
gene_rep_fk_1	previous_id	public.gene	id	RESTRICT	RESTRICT
gene_rep_fk_2	editor_id	public.user	id	RESTRICT	RESTRICT
gene_rep_fk_3	replacement_id	public.gene	id	RESTRICT	RESTRICT

Triggers

Name	Time	Insert	Update	Delete	Truncate
stop_update	BEFORE		✓		

2.1.1.1.13. Table: group

Fields

Pos	Name	Type	Not Null	Others
1	id 	int8(64) Auto Increment	✓	
2	abbreviation	varchar(255)		Default: NULL::character varying
3	name	varchar(255)	✓	
4	taxon_id	int8(64)	✓	
5	desc_comment	text		
6	desc_label	varchar(255)		Default: NULL::character varying
7	desc_source	varchar(255)		Default: NULL::character varying
8	typical_gene	int8(64)		
9	creator_id	int8(64)	✓	
10	creation_date	timestamp	✓	
11	editor_id	int8(64)		
12	mod_date	timestamp		Default: NULL::timestamp without time zone
13	withdrawn_date	timestamp		Default: NULL::timestamp without time zone
14	status	(Type)	✓	Default: 'internal'::basic_status

Foreign Keys



Name	Fields	Referenced Table	Referenced Fields	On Delete	On Update
group_fk_1	typical_gene	public.gene	id	RESTRICT	RESTRICT
group_fk_2	editor_id	public.user	id	RESTRICT	RESTRICT
group_fk_3	creator_id	public.user	id	RESTRICT	RESTRICT
group_fk_4	taxon_id	public.species	taxon_id	RESTRICT	CASCADE

Triggers

Name	Time	Insert	Update	Delete	Truncate
do_creation_date	BEFORE	✓			
do_history	BEFORE		✓		
do_mod_date	BEFORE		✓		
do_withdrawn_date	BEFORE		✓		
stop_creation_date_update	BEFORE		✓		
stop_creator_id_update	BEFORE		✓		
stop_id_update	BEFORE		✓		
stop_withdrawn_twice	BEFORE		✓		

2.1.1.1.14. Table: group_has_gene

Fields

Pos	Name	Type	Not Null	Others
1	group_id 	int8(64)	✓	
2	gene_id 	int8(64)	✓	
3	creator_id	int8(64)	✓	
4	creation_date	timestamp	✓	
5	editor_id	int8(64)		
6	withdrawn_date	timestamp		Default: NULL::timestamp without time zone
7	status	(Type)	✓	Default: 'internal'::basic_status

Foreign Keys



Name	Fields	Referenced Table	Referenced Fields	On Delete	On Update
group_gene_fk_1	group_id	public.group	id	CASCADE	RESTRICT
group_gene_fk_2	gene_id	public.gene	id	CASCADE	RESTRICT
group_gene_fk_3	creator_id	public.user	id	RESTRICT	RESTRICT
group_gene_fk_4	editor_id	public.user	id	RESTRICT	RESTRICT

Triggers

Name	Time	Insert	Update	Delete	Truncate
do_creation_date	BEFORE	✓			
do_withdrawn_date	BEFORE		✓		
stop_creation_date_update	BEFORE		✓		
stop_creator_id_update	BEFORE		✓		
stop_gene_id_update	BEFORE		✓		
stop_group_id_update	BEFORE		✓		
stop_withdrawn_twice	BEFORE		✓		

2.1.1.1.15. Table: group_has_note

Fields

Pos	Name	Type	Not Null	Others
1	group_id 	int8(64)	✓	
2	note_id 	int8(64)	✓	
3	creator_id	int8(64)	✓	
4	creation_date	timestamp	✓	
5	editor_id	int8(64)		
6	withdrawn_date	timestamp		Default: NULL::timestamp without time zone
7	status	(Type)	✓	Default: 'internal'::basic_status

Foreign Keys

Name	Fields	Referenced Table	Referenced Fields	On Delete	On Update
group_note_fk_1	group_id	public.group	id	CASCADE	RESTRICT
group_note_fk_2	note_id	public.note	id	CASCADE	RESTRICT
group_note_fk_3	creator_id	public.user	id	CASCADE	RESTRICT
group_note_fk_4	editor_id	public.user	id	CASCADE	RESTRICT

Triggers

Name	Time	Insert	Update	Delete	Truncate
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do_creation_date	BEFORE	✓			
do_withdrawn_date	BEFORE		✓		
stop_creation_date_update	BEFORE		✓		
stop_creator_id_update	BEFORE		✓		
stop_group_id_update	BEFORE		✓		
stop_note_id_update	BEFORE		✓		
stop_withdrawn_twice	BEFORE		✓		

2.1.1.1.16. Table: group_has_specialist

Fields

Pos	Name	Type	Not Null	Others
1	group_id 🔑	int8(64)	✓	
2	specialist_id 🔑	int8(64)	✓	
3	creator_id	int8(64)	✓	
4	creation_date	timestamp	✓	
5	editor_id	int8(64)		
6	withdrawn_date	timestamp		Default: NULL::timestamp without time zone
7	status	(Type)	✓	Default: 'internal'::basic_status

Foreign Keys



Name	Fields	Referenced Table	Referenced Fields	On Delete	On Update
group_specialist_fk_1	group_id	public.group	id	CASCADE	RESTRICT
group_specialist_fk_2	specialist_id	public.specialist	id	CASCADE	RESTRICT
group_specialist_fk_3	creator_id	public.user	id	RESTRICT	RESTRICT
group_specialist_fk_4	editor_id	public.user	id	RESTRICT	RESTRICT

Triggers

Name	Time	Insert	Update	Delete	Truncate
do_creation_date	BEFORE	✓			
do_withdrawn_date	BEFORE		✓		
stop_creation_date_update	BEFORE		✓		
stop_creator_id_update	BEFORE		✓		
stop_group_id_update	BEFORE		✓		
stop_specialist_id_update	BEFORE		✓		
stop_withdrawn_twice	BEFORE		✓		

2.1.1.1.17. Table: group_has_xref

Fields

Pos	Name	Type	Not Null	Others
1	group_id 	int8(64)	✓	
2	xref_id 	int8(64)	✓	
3	source	varchar(10)	✓	
4	creator_id	int8(64)	✓	
5	creation_date	timestamp	✓	
6	editor_id	int8(64)		
7	withdrawn_date	timestamp		Default: NULL::timestamp without time zone
8	curated_date	timestamp		
9	status	(Type)	✓	Default: 'internal'::basic_status

Foreign Keys



Name	Fields	Referenced Table	Referenced Fields	On Delete	On Update
group_xref_fk_1	group_id	public.group	id	CASCADE	RESTRICT
group_xref_fk_2	xref_id	public.xref	id	CASCADE	RESTRICT
group_xref_fk_3	creator_id	public.user	id	RESTRICT	RESTRICT
group_xref_fk_4	editor_id	public.user	id	RESTRICT	RESTRICT

Triggers

Name	Time	Insert	Update	Delete	Truncate
do_creation_date	BEFORE	✓			
do_curated_date	BEFORE	✓			
do_withdrawn_date	BEFORE		✓		
stop_creation_date_update	BEFORE		✓		
stop_creator_id_update	BEFORE		✓		
stop_group_id_update	BEFORE		✓		
stop_withdrawn_twice	BEFORE		✓		
stop_xref_id_update	BEFORE		✓		

2.1.1.1.18. Table: group_hierarchy

Fields

Pos	Name	Type	Not Null	Others
1	parent_group_id 	int8(64)	✓	
2	child_group_id 	int8(64)	✓	
3	creator_id	int8(64)	✓	
4	creation_date	timestamp	✓	
5	editor_id	int8(64)		
6	withdrawn_date	timestamp		Default: NULL::timestamp without time zone
7	status	(Type)	✓	Default: 'internal'::basic_status

Foreign Keys



Name	Fields	Referenced Table	Referenced Fields	On Delete	On Update
group_hierarchy_fk_1	parent_group_id	public.group	id	CASCADE	RESTRICT
group_hierarchy_fk_2	child_group_id	public.group	id	CASCADE	RESTRICT
group_hierarchy_fk_3	creator_id	public.user	id	RESTRICT	RESTRICT
group_hierarchy_fk_4	editor_id	public.user	id	RESTRICT	RESTRICT

Triggers

Name	Time	Insert	Update	Delete	Truncate
do_creation_date	BEFORE	✓			
do_withdrawn_date	BEFORE		✓		
stop_child_id_update	BEFORE		✓		
stop_creation_date_update	BEFORE		✓		
stop_creator_id_update	BEFORE		✓		
stop_parent_id_update	BEFORE		✓		
stop_withdrawn_twice	BEFORE		✓		

2.1.1.1.19. Table: group_hierarchy_closure

Fields

Pos	Name	Type	Not Null	Others
1	parent_group_id 	int8(64)	✓	
2	child_group_id 	int8(64)	✓	
3	distance	int8(64)		
4	creator_id	int8(64)	✓	
5	creation_date	timestamp	✓	
6	editor_id	int8(64)		
7	withdrawn_date	timestamp		Default: NULL::timestamp without time zone
8	status	(Type)	✓	Default: 'internal'::basic_status

Foreign Keys


Name	Fields	Referenced Table	Referenced Fields	On Delete	On Update
group_hierarchy_closure_fk_1	parent_group_id	public.group	id	CASCADE	RESTRICT
group_hierarchy_closure_fk_2	child_group_id	public.group	id	CASCADE	RESTRICT
group_hierarchy_closure_fk_3	creator_id	public.user	id	RESTRICT	RESTRICT
group_hierarchy_closure_fk_4	editor_id	public.user	id	RESTRICT	RESTRICT

Triggers

Name	Time	Insert	Update	Delete	Truncate
do_creation_date	BEFORE	✓			
do_withdrawn_date	BEFORE		✓		
stop_child_id_update	BEFORE		✓		
stop_creation_date_update	BEFORE		✓		
stop_creator_id_update	BEFORE		✓		
stop_distance_update	BEFORE		✓		
stop_parent_id_update	BEFORE		✓		
stop_withdrawn_twice	BEFORE		✓		

2.1.1.1.20. Table: group_history

Fields

Pos	Name	Type	Not Null	Others
1	id 	int8(64) Auto Increment	✓	
2	group_id	int8(64)	✓	
3	field	varchar(50)	✓	
4	pre_update_value	varchar(255)		Default: NULL::character varying
5	post_update_value	varchar(255)		Default: NULL::character varying
6	editor_id	int8(64)	✓	
7	update_date	timestamp	✓	

Foreign Keys


Name	Fields	Referenced Table	Referenced Fields	On Delete	On Update
group_history_fk_1	editor_id	public.user	id	RESTRICT	RESTRICT
group_history_fk_2	group_id	public.group	id	RESTRICT	RESTRICT

Triggers

Name	Time	Insert	Update	Delete	Truncate
stop_updates	BEFORE		✓		


2.1.1.1.21. Table: location

Fields

Pos	Name	Type	Not Null	Others
1	id 	int8(64) Auto Increment	✓	
2	name	varchar(255)	✓	
3	refseq_accession	varchar(255)		Default: NULL::character varying
4	genbank_accession	varchar(255)		Default: NULL::character varying
5	coord_system	varchar(20)	✓	
6	type	varchar(20)	✓	


2.1.1.1.22. Table: locus_group

Fields

Pos	Name	Type	Not Null	Others
1	id 	int8(64) Auto Increment	✓	
2	name	varchar(45)	✓	

2.1.1.1.23. Table: locus_type

Fields


Pos	Name	Type	Not Null	Others
1	id 	int8(64) Auto Increment	✓	
2	name	varchar(45)	✓	
3	locus_group_id	int8(64)	✓	

Foreign Keys

Name	Fields	Referenced Table	Referenced Fields	On Delete	On Update
locus_type_fk_1	locus_group_id	public.locus_group	id	RESTRICT	RESTRICT

2.1.1.1.24. Table: name

Fields


Pos	Name	Type	Not Null	Others
1	id 	int8(64) Auto Increment	✓	
2	name	varchar(255)	✓	

Triggers

Name	Time	Insert	Update	Delete	Truncate
stop_updates	BEFORE		✓		

2.1.1.1.25. Table: note

Fields


Pos	Name	Type	Not Null	Others
1	id 	int8(64) Auto Increment	✓	
2	note	text	✓	
3	status	(Type)	✓	Default: 'internal'::basic_status

Triggers

Name	Time	Insert	Update	Delete	Truncate
stop_id_update	BEFORE		✓		


2.1.1.1.26. Table: role

Fields

Pos	Name	Type	Not Null	Others
1	id 	int8(64) Auto Increment	✓	
2	role	varchar(15)		Default: 'ro'::character varying

2.1.1.1.27. Table: specialist

Fields


Pos	Name	Type	Not Null	Others
1	id 	int8(64) Auto Increment	✓	
2	name	varchar(255)	✓	
3	address	text	✓	
4	url	text		

Triggers

Name	Time	Insert	Update	Delete	Truncate
stop_id_update	BEFORE		✓		


2.1.1.1.28. Table: species

Fields

Pos	Name	Type	Not Null	Others
1	taxon_id 	int8(64)	✓	
2	common_name	varchar(255)	✓	
3	scientific_name	varchar(255)	✓	

2.1.1.1.29. Table: symbol

Fields


Pos	Name	Type	Not Null	Others
1	id 	int8(64) Auto Increment	✓	
2	symbol	varchar(45)	✓	

Triggers

Name	Time	Insert	Update	Delete	Truncate
stop_updates	BEFORE		✓		



2.1.1.1.30. Table: user

Fields

Pos	Name	Type	Not Null	Others
1	id 	int8(64) Auto Increment	✓	
2	display_name	varchar(128)	✓	
3	first_name	varchar(128)	✓	
4	last_name	varchar(128)	✓	
5	email	varchar(128)	✓	
6	password	varchar(255)	✓	
7	current	bool	✓	Default: true
8	connected	bool	✓	Default: true

2.1.1.1.31. Table: user_has_role

Fields


Pos	Name	Type	Not Null	Others
1	user_id 	int8(64)	✓	
2	role_id 	int8(64)	✓	

Foreign Keys

Name	Fields	Referenced Table	Referenced Fields	On Delete	On Update
user_role_fk_1	role_id	public.role	id	RESTRICT	RESTRICT
user_role_fk_2	user_id	public.user	id	RESTRICT	RESTRICT

2.1.1.1.32. Table: xref

Fields

Pos	Name	Type	Not Null	Others
1	id 	int8(64) Auto Increment	✓	
2	display_id	varchar(255)	✓	
3	ext_resource_id	int8(64)	✓	

Foreign Keys

Name	Fields	Referenced Table	Referenced Fields	On Delete	On Update
xref_fk_1	ext_resource_id	public.external_resource	id	RESTRICT	RESTRICT

Triggers

Name	Time	Insert	Update	Delete	Truncate
stop_updates	BEFORE		✓		

Model: Model - pgnc@docker (PostgreSQL) > Database: pgnc > Schema: public

2.1.1.2. Functions

2.1.1.2.1. Function: auto_creation_date

Function Type: Function

Return Type: trigger

Parameters

Mode	Name	Data Type
(No Parameters)		

2.1.1.2.2. Function: auto_curated_date

Function Type: Function

Return Type: trigger

Parameters

Mode	Name	Data Type
(No Parameters)		

2.1.1.2.3. Function: auto_mod_date

Function Type: Function

Return Type: trigger

Parameters

Mode	Name	Data Type
(No Parameters)		

Model: Model - pgnc@docker (PostgreSQL) > Database: pgnc > Schema: public

2.1.1.2.4. Function: auto_withdrawn_date

Function Type: Function

Return Type: trigger

Parameters

Mode	Name	Data Type
(No Parameters)		

2.1.1.2.5. Function: no_update

Function Type: Function

Return Type: trigger

Parameters

Mode	Name	Data Type
(No Parameters)		

2.1.1.2.6. Function: prevent_field_update

Function Type: Function

Return Type: trigger

Parameters

Mode	Name	Data Type
(No Parameters)		

Model: Model - pgnc@docker (PostgreSQL) > Database: pgnc > Schema: public

2.1.1.2.7. Function: prevent_withdrawn_twice

Function Type: Function

Return Type: trigger

Parameters

Mode	Name	Data Type
(No Parameters)		

2.1.1.2.8. Function: record_gene_history

Function Type: Function

Return Type: trigger

Parameters

Mode	Name	Data Type
(No Parameters)		

2.1.1.2.9. Function: record_group_history

Function Type: Function

Return Type: trigger

Parameters

Mode	Name	Data Type
(No Parameters)		