

Database model documentation

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1. Model details

Model name:

bbdd

Version:

2.3

Database engine:

PostgreSQL

Description:

2. Tables

2.1. Table FUNCTION

2.1.1. Columns

Column name	Type	Properties	Description
idFunction	serial	PK	
codeG0	varchar(15)		
description	varchar(200)		
aspect	varchar(30)		

2.2. Table PROTEIN

2.2.1. Columns

Column name	Type	Properties	Description
idProtein	serial	PK	
code	varchar(15)		
name	varchar(50)		
gene	varchar(15)		
location	varchar(100)		
idSpecies	serial		

2.3. Table R_PROTEIN_FUNCTION

2.3.1. Columns

Column name	Type	Properties	Description
idProtein	integer	PK	
idFunction	integer	PK	

2.4. Table R_PROTEIN_MODELVPF

2.4.1. Columns

Column name	Type	Properties	Description
idProtein	serial	PK	
idModel	serial	PK	
score	integer		

2.5. Table INTERACTION

2.5.1. Columns

Column name	Type	Properties	Description
idProteinV	serial	PK	
idProteinH	serial	PK	

2.6. Table SPECIES

2.6.1. Columns

Column name	Type	Properties	Description
idSpecies	serial	PK	
name	varchar(50)		
taxonomy	varchar(20)		
isVirus	boolean		

2.7. Table VPFFMODEL

2.7.1. Columns

Column name	Type	Properties	Description
idModel	serial	PK	
codeModel	varchar(100)		
path	varchar(100)		

3. References

3.1. Reference FK_PROTEIN_SPECIES

SPECIES	0..*	PROTEIN
idSpecies	<->	idSpecies

3.2. Reference FK_R_PROTEIN_FUNCTION_FUNCTION

FUNCTION	0..*	R_PROTEIN_FUNCTION
idFunction	<->	idFunction

3.3. Reference FK_R_PROTEIN_FUNCTION_PROTEIN

PROTEIN	0..*	R_PROTEIN_FUNCTION
idProtein	<->	idProtein

3.4. Reference FK_R_PROTEIN_MODELVPF_PROTEIN

PROTEIN	0..*	R_PROTEIN_MODELVPF
idProtein	<->	idProtein

3.5. Reference FK_INTERACTION_PROTEINH

PROTEIN	0..*	INTERACTION
idProtein	<->	idProteinH

3.6. Reference FK_INTERACTION_PROTEINV

PROTEIN	0..*	INTERACTION
idProtein	<->	idProteinV

3.7. Reference R_PROTEIN_MODELVPF_VPFMODEL

VPFMODEL	0..*	R_PROTEIN_MODELVPF
idModel	<->	idModel