A CGIAR CHALLENGE PROGRAMME

Generation Challenge Programme
CULTIVATING PLANT DIVERSITY FOR THE RESOURCE POOR

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Application 2.2.1 Tool 2.10 DMS Observation Schema

ibdbv2-dms

- nd_experiment_phenotype
- phenotype

nd_experiment_phenotype

Fields

Field	Type	Collation	Null	Key	Default	Extra	Privileges	Comment
nd_experiment_phenotype_id	int(11)	(NULL)	NO	PRI	(NULL)	auto_increment	select,insert,update,references	
nd_experiment_id	int(11)	(NULL)	NO	MUL	(NULL)		select,insert,update,references	
phenotype_id	int(11)	(NULL)	NO	MUL	(NULL)		select,insert,update,references	

Indexes

Table	Non unique	Key name	Seq in index	Column name	Collation	Cardinality	Sub part	Packed	Null	Index type	Comment	Index comment
nd_experiment_phenotype	0	PRIMARY	1	nd_experiment_phenotype_id	A	0	(NULL)	(NULL)		BTREE		
nd_experiment_phenotype	0	nd_experiment_phenotype_idx1	1	nd_experiment_id	A	0	(NULL)	(NULL)		BTREE		
nd_experiment_phenotype	0	nd_experiment_phenotype_idx1	2	phenotype_id	A	0	(NULL)	(NULL)		BTREE		
nd_experiment_phenotype	1	nd_experiment_phenotype_idx2	1	phenotype_id	A	0	(NULL)	(NULL)		BTREE		

Foreign Key Relationships

FK Id	Reference Table	Source Column	Target Column	Extra Info
nd_experiment_phenotype_fk1	nd_experiment	`nd_experiment_id`	`nd_experiment_id`	ON DELETE CASCADE,
nd_experiment_phenotype_fk2	phenotype	`phenotype_id`	`phenotype_id`	ON DELETE CASCADE

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phenotype

Fields

Field	Type	Collation	Null	Key	Default	Extra	Privileges	Comment

phenotype_id	int(11)	(NULL)	NO	PRI	(NULL)	auto_increment	select,insert,update,references	
uniquename	varchar(255)	utf8_general_ci	NO	UNI	(NULL)		select,insert,update,references	
name	varchar(255)	utf8_general_ci	YES		(NULL)		select,insert,update,references	
observable_id	int(11)	(NULL)	YES	MUL	(NULL)		select,insert,update,references	
attr_id	int(11)	(NULL)	YES	MUL	(NULL)		select,insert,update,references	
value	varchar(255)	utf8_general_ci	YES		(NULL)		select,insert,update,references	
cvalue_id	int(11)	(NULL)	YES	MUL	(NULL)		select,insert,update,references	
assay_id	int(11)	(NULL)	YES	MUL	(NULL)		select,insert,update,references	

Indexes

Table	Non unique	Key name	Seq in index	Column name	Collation	Cardinality	Sub part	Packed	Null	Index type	Comment	Index comment
phenotype	0	PRIMARY	1	phenotype_id	A	0	(NULL)	(NULL)		BTREE		
phenotype	0	phenotype_idx1	1	uniquename	A	0	(NULL)	(NULL)		BTREE		
phenotype	1	phenotype_idx2	1	assay_id	A	0	(NULL)	(NULL)	YES	BTREE		
phenotype	1	phenotype_idx3	1	cvalue_id	A	0	(NULL)	(NULL)	YES	BTREE		
phenotype	1	phenotype_idx4	1	observable_id	A	0	(NULL)	(NULL)	YES	BTREE		
phenotype	1	phenotype_idx5	1	attr_id	A	0	(NULL)	(NULL)	YES	BTREE		

Foreign Key Relationships

FK Id	Reference Table	Source Column	Target Column	Extra Info
phenotype_fk1	cvterm	`observable_id`	`cvterm_id`	ON DELETE CASCADE,
phenotype_fk2	cvterm	`attr_id`	`cvterm_id`	ON DELETE SET NULL,
phenotype_fk3	cvterm	`cvalue_id`	`cvterm_id`	ON DELETE SET NULL,
phenotype_fk4	cvterm	`assay_id`	`cvterm_id`	ON DELETE SET NULL

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Generation Challenge Program (GCP) Integrated Breeding Platform