

GeneSetUsers	
id INT	+/- A N D P
name VARCHAR(30)	U N
Password CHAR(41)	N
maxItems INT	+/- D

GeneSetFamilies	
id INT	+/- A N D P
name VARCHAR(255)	U N
description VARCHAR(255)	N D
controlFile VARCHAR(1000)	D
url VARCHAR(10000)	D
ftp VARCHAR(10000)	D
killTime TIMESTAMP	D

UserGeneSets	
id INT	+/- A N D P
family INT	+/- N F
name VARCHAR(255)	U N
description VARCHAR(16000)	N D
installTime TIMESTAMP	D

GeneSets	
id INT	+/- A N D P
family INT	+/- N F
name VARCHAR(1000)	U N
description VARCHAR(16000)	N D

UserGeneSetLinks	
family INT	+/- N F
setID INT	+/- N F
geneKS INT	+/- N F
geneID INT	+/- N F
theOrder INT	N
value DOUBLE	D
Index fgg(family, geneKS, geneID)	
Index sgg(setID, geneKS, geneID)	
Index ki(geneKS, geneID)	

GeneSetLinks	
family INT	+/- N F
setID INT	+/- N F
geneKS INT	+/- N F
geneID INT	+/- N
theOrder INT	N
value DOUBLE	D
Index fgg(family, geneKS, geneID)	
Index sgg(setID, geneKS, geneID)	
Index ki(geneKS, geneID)	

tempSets	
gene VARCHAR(30)	N
value DOUBLE	D

tempLinks	
sourceName VARCHAR(30)	N
targetName VARCHAR(30)	N

Errors	
message VARCHAR(255)	

KeySpaceTypes	
id INT	+/- A N D P
name VARCHAR(30)	U N
description VARCHAR(255)	N D

KeySpaces	
id INT	+/- A N D P
name VARCHAR(30)	U N
handle VARCHAR(30)	N
species VARCHAR(50)	N
description VARCHAR(255)	N D
isDefault BOOLEAN	N D
type INT	+/- D F
controlFile VARCHAR(1000)	D
url VARCHAR(10000)	D
ftp VARCHAR(10000)	D
lastDownloaded TIMESTAMP	D
Index id_1(species)	

GeneDB	
id INT	+/- A N D P
name VARCHAR(30)	U N F
description VARCHAR(255)	N D

AssayTypes	
id INT	+/- A N D P
name VARCHAR(30)	U N
description VARCHAR(255)	N D

Mappings	
id INT	+/- A N D P
name VARCHAR(30)	U N
description VARCHAR(255)	N D
type INT	+/- D
controlFile VARCHAR(1000)	D
url VARCHAR(10000)	D
ftp VARCHAR(10000)	D
lastDownloaded TIMESTAMP	D
quality INT	+/- N D

KeySpaceLinks	
sourceID INT	+/- N F
targetKS INT	+/- N F
targetID INT	+/- N
linker INT	+/- N F
sourceUnique BOOLEAN	N D
targetUnique BOOLEAN	N D

BestLinks	
sourceKS INT	+/- N F
targetKS INT	+/- N F
pathRank INT	+/- N
mapOrder INT	+/- N
ksID INT	+/- N F
Index kSes(sourceKS, targetKS)	