

disease

Table comments: This table gives information on different entries related to Prostate Cancer disease.

Column	Type	Null	Default	Comments	MIME
EntryId	varchar(10)	No		EntryId represents the unique entry for my disease record.	
RelatedProtein	varchar(45)	Yes	NULL	This column show that how many proteins related to my EntryId.	
EntryIdLink	varchar(200)	No		This column gives the hyperlink (web address) of the EntryId.	
PreferredName	varchar(45)	No		The preferred name for the each entry related to prostate cancer.	
Definition	varchar(350)	No		It gives a brief description about the disease entry.	
SemanticType	varchar(45)	Yes	NULL	this tells the process information of our disease.	

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Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	EntryId	5	A	No	

disease_has_protein

Table comments: This table Links the EntryId from disease table to UniprotKB_Accession of Protein table.

Column	Type	Null	Default	Links to	Comments	MIME
Disease_EntryId	varchar(10)	No		protein -> UniprotKB_Accession	This describes the unique id for each protein.	
Protein_UniprotKB_Accession	varchar(10)	No		protein -> UniprotKB_Accession	This is the unique protein id and act as foreign key for protein table.	

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Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	Disease_EntryId	13	A	No	
				Protein_UniprotKB_Accession	13	A	No	
fk_Protein_has_Disease_Protein1_idx	BTREE	No	No	Disease_EntryId	13	A	No	
fk_Disease_has_Protein_Protein1_idx	BTREE	No	No	Protein_UniprotKB_Accession	13	A	No	

disease_has_vocab

Column	Type	Null	Default	Links to	Comments	MIME
Disease_EntryId	varchar(10)	No		disease -> EntryId		
Vocab_VocabId	varchar(45)	No		vocab -> VocabId		

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Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	Disease_EntryId	6	A	No	
				Vocab_VocabId	6	A	No	
fk_Disease_has_Vocab_Vocab1_idx	BTREE	No	No	Vocab_VocabId	6	A	No	
fk_Disease_has_Vocab_Disease1_idx	BTREE	No	No	Disease_EntryId	6	A	No	

gene

Table comments: This Tables Gives information on Gene related to Prostate cancer.

Column	Type	Null	Default	Comments	MIME
GeneName	varchar(45)	No		It provides the common name for the gene.	
DNASeq	varchar(45)	Yes	NULL	it gives the sequence of dan related to the gene.	
DNASeqLink	varchar(200)	Yes	NULL	this gives the web address of the dan sequence.	

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Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	GeneName	10	A	No	

genesynonym

Column	Type	Null	Default	Links to	Comments	MIME
GenesynonymId	varchar(45)	No				
GeneSynonymName	varchar(45)	Yes	NULL			
Gene_GeneName	varchar(45)	No		gene -> GeneName		

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	GenesynonymId	30	A	No	
GenesynonymId_UNIQUE	BTREE	Yes	No	GenesynonymId	30	A	No	
fk_GeneSynonym_Gene1_idx	BTREE	No	No	Gene_GeneName	30	A	No	

protein

Table comments: This table give information on Protein Related to Prostate Cancer.

Column	Type	Null	Default	Links to	Comments	MIME
UniprotKB_Accession	varchar(10)	No			This is uniqueId by which protein is represented.	
Gene_GeneName	varchar(45)	No		gene -> GeneName		
UniprotKB_AC_Link	varchar(200)	Yes	NULL		this gives the web address of the protein information.	
ProteinName	varchar(300)	Yes	NULL			

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	UniprotKB_Accession	10	A	No	
fk_Protein_Gene1_idx	BTREE	No	No	Gene_GeneName	10	A	No	

protein_has_pubmed

Column	Type	Null	Default	Links to	Comments	MIME
Protein_UniprotKB_Accession	varchar(10)	No		protein -> UniprotKB_Accession		
PubMed_P_id	varchar(45)	No		pubmed -> P_id		

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	Protein_UniprotKB_Accession	23	A	No	
				PubMed_P_id	117	A	No	
fk_Protein_has_PubMed_PubMed1_idx	BTREE	No	No	PubMed_P_id	117	A	No	

fk_Protein_has_PubMed_Protein1_idx	BTREE	No	No	Protein_UniprotKB_Accession	23	A	No	
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pubmed

Table comments: This table Tells the PubMed Articles related to protein involved in Prostate Cancer.

Column	Type	Null	Default	Comments	MIME
P_id	varchar(45)	No			
PubMedId	varchar(45)	No		It gives the PubMed Id related to each protein.	

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Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	P_id	117	A	No	

stg_disease

Column	Type	Null	Default	Comments	MIME
EntryId	varchar(10)	No		EntryId represents the unique entry for my disease record.	
RelatedProtein	varchar(45)	Yes	NULL	This column show that how many proteins related to my EntryId.	
EntryIdLink	varchar(200)	No		This column gives the hyperlink (web address) of the EntryId.	
PreferredName	varchar(45)	No		The preferred name for the each entry related to prostate cancer.	
Definition	varchar(350)	No		It gives a brief description about the disease entry.	
SemanticType	varchar(45)	Yes	NULL	this tells the process information of our disease.	

stg_disease_has_protein

Column	Type	Null	Default	Comments	MIME
Disease_EntryId	varchar(10)	No		This describes the unique id for each protein.	
Protein_UniprotKB_Accession	varchar(10)	No		This is the unique protein id and act as foreign key for protein table.	

stg_disease_has_vocab

Column	Type	Null	Default	Comments	MIME
Disease_EntryId	varchar(10)	No			
Vocab_VocabId	varchar(45)	No			

stg_gene

Column	Type	Null	Default	Comments	MIME
GeneName	varchar(45)	No		It provides the common name for the gene.	
DNASeq	varchar(45)	Yes	NULL	it gives the sequence of dan related to the gene.	
DNADeqLink	varchar(200)	Yes	NULL	this gives the web address of the dan sequence.	

stg_genesynonym

Column	Type	Null	Default	Comments	MIME
GenesynonymId	varchar(45)	No			
GeneSynonymName	varchar(45)	Yes	NULL		
Gene_GeneName	varchar(45)	No			

stg_protein

Column	Type	Null	Default	Comments	MIME
UniprotKB_Accession	varchar(10)	No		This is uniqueId by which protein is represented.	
Gene_GeneName	varchar(45)	No			
UniprotKB_AC_Link	varchar(200)	Yes	NULL	this gives the web address of the protein information.	
ProteinName	varchar(300)	Yes	NULL		

stg_protein_has_pubmed

Column	Type	Null	Default	Comments	MIME
Protein_UniprotKB_Accession	varchar(10)	No			
PubMed_P_id	varchar(45)	No			

stg_pubmed

Column	Type	Null	Default	Comments	MIME
P_id	varchar(45)	No			
PubMedId	varchar(45)	No		It gives the PubMed Id related to each protein.	

stg_unigene

Column	Type	Null	Default	Comments	MIME
UniGeneId	varchar(10)	No		unique id for each UniGene entry.	
UniGeneLink	varchar(200)	Yes	NULL	web address for the UniGene entry.	
Gene_GeneName	varchar(45)	No			

stg_vocab

Column	Type	Null	Default	Comments	MIME
VocabId	varchar(45)	No		It gives the web address for the each vid.	
VocabSourceName	varchar(45)	Yes	NULL	It tells the source for the vocab.	
VocabIdLink	varchar(150)	Yes	NULL		

unigene

Table comments: This table gives transcript information for gene related to Prostate Cancer.

Column	Type	Null	Default	Links to	Comments	MIME
UniGeneId	varchar(10)	No			unique id for each UniGene entry.	
UniGeneLink	varchar(200)	Yes	NULL		web address for the UniGene entry.	
Gene_GeneName	varchar(45)	No		gene -> GeneName		

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	UniGeneId	13	A	No	
fk_UniGene_Gene1_idx	BTREE	No	No	Gene_GeneName	13	A	No	

vocab

Table comments: This table gives the vocabulary of our disease entry.

Column	Type	Null	Default	Comments	MIME
VocabId	varchar(45)	No		It gives the web address for the each vid.	
VocabSourceName	varchar(45)	Yes	NULL	It tells the source for the vocab.	
VocabIdLink	varchar(150)	Yes	NULL		

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	VocabId	6	A	No	