

# int.did.db

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int.did_dbconn	<i>Collect information about the package annotation DB</i>
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## Description

Some convenience functions for getting a connection object to (or collecting information about) the package annotation DB.

## Usage

```
int.did_dbconn()
int.did_dbfile()
int.did_dbschema(file="", show.indices=FALSE)
int.did_dbInfo()
```

## Arguments

`file` A connection, or a character string naming the file to print to (see the file argument of the `cat` function for the details).

`show.indices` The CREATE INDEX statements are not shown by default. Use `show.indices=TRUE` to get them.

## Details

`int.did_dbconn` returns a connection object to the package annotation DB. **IMPORTANT:** Don't call `dbDisconnect` on the connection object returned by `int.did_dbconn` or you will break all the `AnnDbObj` objects defined in this package!

`int.did_dbfile` returns the path (character string) to the package annotation DB (this is an SQLite file).

int.did\_dbschema prints the schema definition of the package annotation DB.

int.did\_dbInfo prints other information about the package annotation DB.

### Examples

```
## Show the first three rows.
dbGetQuery(int.did_dbconn(), "select * from did limit 3")

## The connection object returned by int.did_dbconn() was created with:
dbConnect(SQLite(), dbname=int.did_dbfile(), cache_size=64000, synchronous=0)

int.did_dbschema()

int.did_dbInfo()
```

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int.did.db	<i>annotation data package</i>
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### Description

Welcome to the int.did.db annotation Package. The annotation package was built using a downloadable R package - PAnnBuilder (download and build your own). The purpose is to provide detailed information about the domain-domain interactions from 3did (database of 3D Interacting Domains): [http://gatealoy.pcb.ub.es/3did/download/3did\\_flat.gz](http://gatealoy.pcb.ub.es/3did/download/3did_flat.gz) 08-Mar-2009

Each of these objects has their own manual page detailing where relevant data was obtained along with examples of how to use it. Many of these objects also have a reverse map available. When this is true, expect to usually find relevant information on the same manual page as the forward map.

### Examples

```
# You can learn what objects this package supports with the following command:
ls("package:int.did.db")
```

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int.didDDI	<i>Domain-Domain interaction</i>
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### Description

int.didDDI gives domain-domain interactions from 3DID database.

### Details

Domain identifier is given as Pfam identifier.

Mappings were based on data provided by: 3DID ([http://gatealoy.pcb.ub.es/3did/download/3did\\_flat.gz](http://gatealoy.pcb.ub.es/3did/download/3did_flat.gz)) on 08-Mar-2009

## Examples

```
# Convert to a list
xx <- as.list(int.didDDI)
if(length(xx) > 0){
  # Gets the first five interaction list
  xx[1:5]
  # Get the first one
  xx[[1]]
}
```

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int.didMAPCOUNTS    *Number of mapped keys for the maps in package int.did.db*

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## Description

int.didMAPCOUNTS provides the "map count" (i.e. the count of mapped keys) for each map in package int.did.db.

## Details

This "map count" information is precalculated and stored in the package annotation DB. This allows some quality control and is used by the [checkMAPCOUNTS](#) function defined in AnnotationDbi to compare and validate different methods (like `count.mappedkeys(x)` or `sum(!is.na(as.list(x)))`) for getting the "map count" of a given map.

## See Also

[mappedkeys](#), [count.mappedkeys](#), [checkMAPCOUNTS](#)

## Examples

```
int.didMAPCOUNTS
mapnames <- names(int.didMAPCOUNTS)
int.didMAPCOUNTS[mapnames[1]]
x <- get(mapnames[1])
sum(!is.na(as.list(x)))
count.mappedkeys(x)    # much faster!

## Check the "map count" of all the maps in package int.did.db
checkMAPCOUNTS("int.did.db")
```

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