httrDB

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Type Package

Title Build the HTTr Database For Use by The CCD

Version 0.1.0

Author Richard Judson

Maintainer Richard Judson <judson.richard@epa.gov>

Description This package loads signature concentration-response data into the
httr database so that it can be picked up by the CompTox Dashboard. The required
files are the concentration-response data fiels and the signature catalogs. Currently,
there are jsuta few files in the data directory to show how this runs. When this is
really running, the data directory may need to get changed. The only function
that needs to be run is buildHTTrDB.R. The MySQL Workbench file to construct
the empty database is in the mysql folder.

License GPL-3

Encoding UTF-8

LazyData true

RoxygenNote 7.3.1

R topics documented:

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buildHttrDB *BUild the mysql database for the httr data*

Description

BUild the mysql database for the httr data

Usage

```
buildHttrDB(
  do.clean = F,
  do.init = F,
  do.load.datasets = F,
  do.load.pods = F,
  sigcatalog = "signatureDB_master_catalog 2022-05-16",
  sigset = "screen_large",
  method = "gsea",
  hccut = 0.9,
  tccut = 1,
  user = "rjudson",
  password
)
```

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export.httr.chems *Export the chemicals with data*

Description

Export the chemicals with data

Usage

```
export.httr.chems()
```

---

hello *Hello, World!*

Description

Prints 'Hello, world!'.

Usage

```
hello()
```

Examples

```
hello()
```

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pfasQC.to.db *Add the PFAS QC data to the database*

Description

Add the PFAS QC data to the database

Usage

```
pfasQC.to.db()
```

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pfasQC.tp.db *BUild the mysql database for the httr data*

Description

BUild the mysql database for the httr data

Usage

```
pfasQC.tp.db(
  do.clean = F,
  do.init = F,
  do.load.datasets = F,
  do.load.pods = F,
  sigcatalog = "signatureDB_master_catalog 2021-09-29",
  sigset = "screen_large",
  method = "gsea",
  hccut = 0.9,
  tccut = 1
)
```

---

runInsert *Insert a record into a database. if auto.increment=TRUE, return the auto incremented primary key of the record. otherwise, return -1*

Description

Insert a record into a database. if auto.increment=TRUE, return the auto incremented primary key of the record. otherwise, return -1

Usage

```
runInsert(query, db, do.halt = F, verbose = F, auto.increment.id = F)
```

Arguments

`query`	a properly formatted SQL query as a string
`db`	the name of the database
`do.halt`	if TRUE, halt on errors or warnings
`verbose`	if TRUE, print diagnostic information
`auto.increment`	if TRUE, add the auto increment primary key even if not part of the query

Value

Returns the database table auto incremented primary key ID

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runInsertTable   *Inserts multiple rows into a database table*

Description

Inserts multiple rows into a database table

Usage

```
runInsertTable(mat, table, db, do.halt = T, verbose = F, get.id = T)
```

Arguments

`mat`	data frame containing the data, with the column names corresponding
`table`	name of the database table to which data will be inserted
`db`	the name of the database
`do.halt`	if TRUE, halt on errors or warnings
`verbose`	if TRUE, print diagnostic information

---

runQuery   *Runs a database query and returns a result set*

Description

Runs a database query and returns a result set

Usage

```
runQuery(query, db, do.halt = T, verbose = F)
```

Arguments

`query`	a properly formatted SQL query as a string
`db`	the name of the database
`do.halt`	if TRUE, halt on errors or warnings
`verbose`	if TRUE, print diagnostic information

---

setDBConn *set SQL connection to the database*

Description

set SQL connection to the database

Usage

```
setDBConn(server = "ccte-mysql-res.epa.gov", user = "rjudson", password = NA)
```

Arguments

server	SQL server on which relevant database lives
user	SQL username to access database
password	SQL password corresponding to username

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