

Package ‘geomedb’

October 17, 2017

Type Package

Title Fetch 'GeOMe-db' FIMS Data

Version 0.2

Date 2017-10-16

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Description

The Genomic Observatory Metadatabase (GeOMe Database) is an open access repository for geographic and ecological metadata associated with sequenced samples. This package is used to retrieve GeOMe data for analysis. See <<http://www.geome-db.org>> for more information regarding GeOMe.

URL <http://www.geome-db.org>, <https://github.com/DIPnet/fimsR-access>

BugReports <https://github.com/DIPnet/fimsR-access/issues>

License GPL-3

LazyData TRUE

Imports ape, httr

Depends utils

RoxygenNote 5.0.1

NeedsCompilation no

Repository CRAN

Date/Publication 2017-10-17 03:06:56 UTC

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listExpeditions *get a list of expeditions to query against*

Description

get a list of expeditions to query against

Usage

```
listExpeditions()
```

Examples

```
## Not run:  
expeditions <- listExpeditions()  
  
## End(Not run)
```

listMarkers *get a list of markers to query against*

Description

get a list of markers to query against

Usage

```
listMarkers()
```

Examples

```
## Not run:  
markers <- listMarkers()  
  
## End(Not run)
```

queryFasta	<i>fetch Fasta sequences from the geome-db database</i>
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Description

fetch Fasta sequences from the geome-db database

Usage

```
queryFasta(marker, expeditions = list(), query = "")
```

Arguments

marker	the marker to fetch
expeditions	list of expeditions to include in the query. The default is all expeditions
query	FIMS Query DSL http://fims.readthedocs.io/en/latest/fims/query.html query string. Ex. '+locality:fuzzy +country:"exact phrase"

Examples

```
## Not run:  
fasta <- queryFasta("C01", expeditions=list("TEST"), query="+yearCollected:2008")  
  
## End(Not run)
```

queryMetadata	<i>fetch the FimsMetadata from the geome-db database</i>
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Description

fetch the FimsMetadata from the geome-db database

Usage

```
queryMetadata(expeditions = list(), query = "", names = NULL)
```

Arguments

expeditions	list of expeditions to include in the query. The default is all expeditions
query	FIMS Query DSL http://fims.readthedocs.io/en/latest/fims/query.html query string. Ex. '+locality:fuzzy +country:"exact phrase"
names	list of column names to include in the data.frame results

Examples

```
## Not run:  
df <- queryMetadata(expeditions=list("TEST", "TEST2"))  
df <- queryMetadata(names=list("materialSampleID", "bcid"), query="Chordata")  
df <- queryMetadata(expeditions=list("TEST"), names=list("bcid"), query="+yearCollected:2008")  
  
## End(Not run)
```

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