

# Package ‘RAFPALdb’

February 16, 2016

**Title** R-AFPALdb package.

**Version** 0.0.0.9000

**Description** Package dedicated to the interaction with and extraction of data stored in AFAPLdb.

**Depends** R (>= 3.2.2)

**License** ``Use it at your own risk" license.

**LazyData** true

**RoxygenNote** 5.0.1.9000

**Imports** RMySQL,  
rjson

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Connect	<i>Connection to the database</i>
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**Description**

This function allows you to connect to AFPALdb.

**Usage**

```
Connect(user = -1, pass = -1, host = -1)
```

**Arguments**

user	User.
pass	Password.
host	Adresse of the server. Default 'localhost'.

**Examples**

```
Connect(user="root",pass="root123")
```

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Disconnect	<i>Disconnect the user from the database</i>
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**Description**

This function disconnects the AFPALdb.

**Usage**

```
Disconnect()
```

**Examples**

```
Disconnect()
```

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Extract_data	<i>Extraction of data</i>
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**Description**

This function allows you to extract data.

**Usage**

```
Extract_data()
```

**Examples**

```
Extract_data()
```

---

getAgeList	<i>Get the Age table.</i>
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---

**Description**

This function allows you to get all the entries from the AFPALdb.C14 table.

**Usage**

```
getAgeList(ORDERBY = "LabCode")
```

**Arguments**

ORDERBY	Set of variables (separated by a comma) to order the results by. Results sorted by 'LabCode' by default.
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**Examples**

```
Age=getAgeList()  
Age=getAgeList("LabCode")
```

---

getAltitude	<i>Get the Altitude table.</i>
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**Description**

This function allows you to get all the entries from the AFPALdb.Altitude table.

**Usage**

```
getAltitude()
```

**Examples**

```
altitude=getAltitude()
```

---

getBio	<i>Get the bio table.</i>
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---

**Description**

This function allows you to get all the entries from the AFPALdb.bio table.

**Usage**

```
getBio()
```

**Examples**

```
bio=getBio()
```

---

getBiome	<i>Get the Biome table.</i>
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---

### Description

This function allows you to get all the entries from the AFPALdb.Biome table.

### Usage

```
getBiome()
```

### Examples

```
biome=getBiome()
```

---

getChronoAgeList	<i>Get the ChronoC14 table.</i>
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---

### Description

This function allows you to get all the entries from the AFPALdb.ChronoC14 table.

### Usage

```
getChronoAgeList(ORDERBY = "Chrono_ID,LabCode")
```

### Arguments

ORDERBY	Set of variables (separated by a comma) to order the results by. Results sorted by 'Chrono_ID x LabCode' by default.
---------	--

### Examples

```
chronocAge=getChronoAgeList()  
chronocAge=getChronoAgeList("LabCode")
```

---

getChronoDataList	<i>Get the ChronoData table.</i>
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---

**Description**

This function allows you to get all the entries from the AFPALdb.ChronoData table.

**Usage**

```
getChronoDataList(ORDERBY = "Chrono_ID,Dataset_ID")
```

**Arguments**

ORDERBY	Set of variables (separated by a comma) to order the results by. Results sorted by 'Chrono_ID x Dataset_ID' by default.
---------	---

**Examples**

```
chronodata=getChronoDataList()  
chronodata=getChronoDataList("Dataset_ID")
```

---

getChronologyList	<i>Get the Chronology table.</i>
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**Description**

This function allows you to get all the entries from the AFPALdb.Chronology table, except the data.

**Usage**

```
getChronologyList(ORDERBY = "Chrono_ID")
```

**Arguments**

ORDERBY	Set of variables (separated by a comma) to order the results by. Results sorted by 'Chrono_ID' by default.
---------	--

**Examples**

```
chronology=getChronologyList()  
chronology=getChronologyList("Record_Name")
```

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getDatasetList	<i>Get the Dataset table.</i>
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### Description

This function allows you to get all the entries from the AFPALdb.Reference table, except the data.

### Usage

```
getDatasetList(ORDERBY = "Dataset_ID")
```

### Arguments

ORDERBY	Set of variables (separated by a comma) to order the results by. Results sorted by 'Dataset_ID' by default.
---------	---

### Examples

```
dataset=getDatasetList()
dataset=getDatasetList("Proxy")
dataset=getDatasetList("Record_Name,Citation_Key")
```

---

getDistrib	<i>Get the distrib table.</i>
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---

### Description

This function allows you to get all the entries from the AFPALdb.distrib table.

### Usage

```
getDistrib()
```

### Examples

```
distrib=getDistrib()
```

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getPET	<i>Get the PET table.</i>
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### Description

This function allows you to get all the entries from the AFPALdb.PET table.

### Usage

```
getPET()
```

### Examples

```
pet=getPET()
```

---

getPrecip	<i>Get the precip table.</i>
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---

**Description**

This function allows you to get all the entries from the AFPALdb.precip table.

**Usage**

```
getPrecip()
```

**Examples**

```
precip=getPrecip()
```

---

getReferenceList	<i>Get the Reference table.</i>
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---

**Description**

This function allows you to get all the entries from the AFPALdb.Reference table.

**Usage**

```
getReferenceList(ORDERBY = "Citation_Key")
```

**Arguments**

ORDERBY	Set of variables (separated by a comma) to order the results by. Results sorted by 'Citation_Key' by default.
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**Examples**

```
ref=getReferenceList()  
ref=getReferenceList("Citation_Key")
```

---

getRefSiteList	<i>Get the RefSite table.</i>
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### Description

This function allows you to get all the entries from the AFPALdb.RefSite table.

### Usage

```
getRefSiteList(ORDERBY = "Citation_Key,Record_Name")
```

### Arguments

ORDERBY	Set of variables (separated by a comma) to order the results by. Results sorted by 'Citation_Key x Record_Name' by default.
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### Examples

```
refsite=getRefSiteList()  
refsite=getRefSiteList("Record_Name")
```

---

getSiteList	<i>Get the Site table.</i>
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---

### Description

This function allows you to get all the entries from the AFPALdb.Site table.

### Usage

```
getSiteList(ORDERBY = "Site_Name")
```

### Arguments

ORDERBY	Set of variables (separated by a comma) to order the results by. Results sorted by 'Site_Name' by default.
---------	--

### Examples

```
sites=getSiteList()  
sites=getSiteList(ORDERBY="Site_ID")  
sites=getSiteList("Site_Name")
```



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getSiteRegionList	<i>Get the SiteRegion table.</i>
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---

**Description**

This function allows you to get all the entries from the AFPALdb.SiteRegion table.

**Usage**

```
getSiteRegionList(ORDERBY = "Region_Name")
```

**Arguments**

ORDERBY	Set of variables (separated by a comma) to order the results by. Results sorted by 'Region_Name' by default.
---------	--

**Examples**

```
siteregion=getSiteRegionList()  
siteregion=getSiteRegionList("Region_Name")
```

---

getTaxalist	<i>Get the Taxalist table.</i>
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**Description**

This function allows you to get all the entries from the AFPALdb.Taxalist table.

**Usage**

```
getTaxalist()
```

**Examples**

```
taxalist=getTaxalist()
```

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getTmpr_max	<i>Get the tmpr_max table.</i>
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**Description**

This function allows you to get all the entries from the AFPALdb.tmpr\_max table.

**Usage**

```
getTmpr_max()
```

**Examples**

```
tmpr_max=getTmpr_max()
```

---

getTmpr_mean	<i>Get the tmpr_mean table.</i>
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**Description**

This function allows you to get all the entries from the AFPALdb.tmpr\_mean table.

**Usage**

```
getTmpr_mean()
```

**Examples**

```
tmpr_mean=getTmpr_mean()
```

---

getTmpr_min	<i>Get the tmpr_min table.</i>
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**Description**

This function allows you to get all the entries from the AFPALdb.tmpr\_min table.

**Usage**

```
getTmpr_min()
```

**Examples**

```
tmpr_min=getTmpr_min()
```

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