

Package: healthyControlsPresenceChecker (via r-universe)

October 10, 2026

Encoding UTF-8

Title Downloads A Gene Expression Dataset From GEO And Checks If It
Contains Data Of Healthy Controls Or Not

Version 1.17.0

Description A function that reads in the GEO accession code of a gene
expression dataset, retrieves its data from GEO, and checks if
data of healthy controls are present in the dataset. It returns
true if healthy controls data are found, and false otherwise.
GEO: Gene Expression Omnibus. ID: identifier code. The GEO
datasets are downloaded from the URL
<<https://ftp.ncbi.nlm.nih.gov/geo/series/>>.

BugReports <https://github.com/davidechicco/healthyControlsPresenceChecker/issues>

Depends R (>= 4.0.0)

License GPL-3

URL <https://github.com/davidechicco/healthyControlsPresenceChecker>

biocViews GEO, RepositoryData, ExpressionData

Imports xml2, GEOquery, geneExpressionFromGEO, magrittr

Suggests RUnit, BiocGenerics, markdown, BiocStyle, knitr, rmarkdown

VignetteBuilder knitr

RoxygenNote 7.1.1

Config/pak/sysreqs libicu-dev libpng-dev libxml2-dev libssl-dev libx11-dev zlib1g-dev

Repository <https://bioc.r-universe.dev>

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RemoteUrl <https://github.com/bioc/healthyControlsPresenceChecker>

RemoteRef HEAD

RemoteSha 2b322fdb32ac8c5378b56fbf679256e71e3ebd6d

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healthyControlsCheck	<i>Function that reads in the GEO code of a dataset, and returns true if there's at least a feature containing the healthy controls.</i>
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Description

Function that reads in the GEO code of a dataset, and returns true if there's at least a feature containing the healthy controls.

Usage

```
healthyControlsCheck(datasetGeoCode, verbose = FALSE)
```

Arguments

datasetGeoCode the GEO code of a dataset.
 verbose a boolean flag stating if helping messages should be printed or not

Value

a boolean value

Examples

```
healthyControlsCheckOutcome <- healthyControlsCheck("GSE3268", FALSE)
```

healthyControlsChecker	<i>healthyControlsChecker: A package for verifying the presence of healthy controls in a GEO dataset</i>
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Description

The healthyControlsChecker package provides one relevant function: healthyControlsCheck()

healthyControlsCheck() function

The healthyControlsCheck() function reads in the GEO code of a dataset, and returns true if there's at least a feature containing the healthy controls.

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