

# Package ‘healthyControlsPresenceChecker’

May 14, 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, re-trieves its data from GEO, and checks if data of healthy controls are present in the dataset. It re-turns true if healthy controls data are found, and false otherwise. GEO: Gene Expression Om-nibus. ID: identifier code. The GEO datasets are down-loaded 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

**git\_url** <https://git.bioconductor.org/packages/healthyControlsPresenceChecker>

**git\_branch** devel

**git\_last\_commit** 2b322fd

**git\_last\_commit\_date** 2026-04-28

**Repository** Bioconductor 3.24

**Date/Publication** 2026-05-14

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healthyControlsCheck *Function that 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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### **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)
```

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healthyControlsChecker

*healthyControlsChecker: A package for verifying the presence of healthy controls in a GEO dataset*

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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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