Package ‘ptairData’

July 4, 2024

Title  PTR-TOF-MS volatolomics raw datasets from exhaled air and cell culture headspace

Version  1.12.0

Description  The package ptairData contains two raw datasets from Proton-Transfer-Reaction Time-of-Flight mass spectrometer acquisitions (PTR-TOF-MS), in the HDF5 format. One from the exhaled air of two volunteer healthy individuals with three replicates, and one from the cell culture headspace from two mycobacteria species and one control (culture medium only) with two replicates. Those datasets are used in the examples and in the vignette of the ptairMS package (PTR-TOF-MS data pre-processing). There are also used to generate the ptrSet in the ptairMS data: exhaledPtrset and mycobacteriaSet

License  GPL-3

Encoding  UTF-8

RoxygenNote  7.1.1

BugReports  https://github.com/camilleroquencourt/ptairData/issues

biocViews  ExperimentData, MassSpectrometryData, CellCulture

Suggests  knitr, rmarkdown, testthat, BiocStyle

VignetteBuilder  knitr

Imports  rhdf5, signal, stats, graphics

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Description

The package ptairData contains two raw datasets from Proton-Transfer-Reaction Time-of-Flight mass spectrometer acquisitions (PTR-TOF-MS), in the HDF5 format: one from the exhaled air of two volunteer healthy individuals, and one from the cell culture headspace from two mycobacteria species and one control (culture medium only). Those datasets are used in the examples and in the vignette from the ptairMS package (PTR-TOF-MS data pre-processing).

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