Package 'PhitestR'

January 20, 2025

Type Package			
Title Analyzing the Heterogeneity of Single-Cell Populations			
Version 0.2.0			
Description A bioinformatics method developed for analyzing the heterogeneity of single-cell popula- tions. Phitest provides an objective and automatic method to evaluate the performance of cluster- ing and quality of cell clusters.			
License GPL-3			
Encoding UTF-8			
RoxygenNote 7.1.1			
Imports parallel, fitdistrplus			
Suggests knitr, rmarkdown			
VignetteBuilder knitr			
NeedsCompilation no			
Author Wei Vivian Li [aut, cre] (<https: 0000-0002-2087-2709="" orcid.org="">)</https:>			
Maintainer Wei Vivian Li <vivian.li@rutgers.edu></vivian.li@rutgers.edu>			
Repository CRAN			
Date/Publication 2022-01-21 09:13:00 UTC			

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phitest

Description

Phitest for analyzing the heterogeneity of single-cell populations

Usage

phitest(object, label, ncores = 1, min.cell = 10)

Arguments

object	A matrix of single-cell UMI counts (rows for genes and columns for cells).
label	A character or numeric vector of cluster labels. Length should be the same as cell number and order should match the order in object.
ncores	Number of cores used for parallel computation.
min.cell	An integer specifying a threshold to filter genes. Genes expressed in fewer than min.cell cells are filtered out.

Value

A list of two elements: pval contains the *P* values, and par contains the estimated parameters.

Author(s)

Wei Vivian Li, <vivian.li@rutgers.edu>

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