Package 'QuantNorm'

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Title Quantile Normalization Methods for Batch Effect Correction
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Author Teng Fei, Tianwei Yu
Maintainer Teng Fei <tfei@emory.edu></tfei@emory.edu>
Description The QuantNorm function can help classify RNA-seq measurements from different batches.
License GPL (>= 2)
Depends stats, base, R ($>= 3.3.1$)
RoxygenNote 6.0.1
R topics documented:
humanmouse
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humanmouse Brain RNA-Seq data for both human and mouse.
Description
Brain RNA-Seq data for both human and mouse.
Usage
humanmouse
Format
A data frame with 15041 rows and 62 columns
Source
http://wob.stanford.odu/group/barros_lab/brainsog2/brainsog2 html

QuantNorm

QuantNorm	Conducting batch effect correction by quantile normalization	

Description

Conducting batch effect correction by quantile normalization

Usage

```
QuantNorm(dat, batch, method = "refB", iter = 1, logdat = TRUE,
    standardize = FALSE)
```

Arguments

dat	The original $p*n$ batch effect data with n subjects and p RNA-seq measurements.
batch	The vector of length n indicating which batch the subjects belong to.
method	Method for the quantile normalization. There are three options: " ${\rm ref}B$ ", " ${\rm ref}1$ " and "block".
iter	Times of iteration for "refB" and "ref1" methods when no standardization is applied.
logdat	Whether conducting log transformation to data or not.
standardize	Whether conducting standardization [(dat - mean)/var] to data or not.

Value

The corrected 1-correlation matrix between subjects.

Examples

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