

Package SpQN

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Title Spatial Quantile Normalization

Version 1.0

Description This package normalize the two dimension matrix such that the local distribution are approximately the same.

License GPL-3

Encoding UTF-8

LazyData true

RoxygenNote 7.0.2

R topics documented:

normalize_correlation	1
Index	3

normalize_correlation	<i>Spatial Quantile Normalization</i>
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Description

Spatial Quantile Normalization

Usage

```
normalize_correlation(cor_mat, ngrp, size_grp, ref_grp)
```

Arguments

cor_mat	Matrix, correlation matrix, generated by sorted expression matrix
ngrp	Integer, number of bins to use in the normalization
size_grp	Integer, size of large bin
ref_grp	Integer, the location of reference bin that represents target distribution

Value

The normalized correlation matrix

Examples

```
a=rnorm(10000)
b=a/max(abs(a))
cor_ori=array(b,dim=c(100,100))
normalize_correlation(cor_ori,ngroup=10,size_group=15,ref_group=9)
```

Index

`normalize_correlation`, [1](#)