Package 'EZsinglecell2'

Title Wrap up for routine single cell analysis	
Version 0.0.0.9000	
Description Wrap up for routine single cell analysis (one paragraph).	
Imports EnsDb.Hsapiens.v86,Seurat,Signac,dplyr,ggplot2	
<pre>License `use_mit_license()`, `use_gpl3_license()` or friends to pick a license</pre>	
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R topics documented:	
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ATAC_Wrapper Wrap Seurat ATAC clustering	_
Description	
This function allows you to perform standard sc-ATAC clustering	
Usage	
ATAC_Wrapper(MTX, res = 0.3)	
Arguments	
MTX sparse Matrix of class "dgCMatrix", each row is a peak, each column is a cell,	
res clustering resolution, default=0.5	

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Value

this returns seurat object with ATAC clustering

Examples

bmmc.filtered.atac<-SeuratLSIClustering(PeakVSCell.filtered.Mtx) #each row is a peak, each</pre>

GEM_Wrapper

Wrap Seurat RNA clustering

Description

This function allows you to perform standard sc-RNA clustering

Usage

```
GEM_Wrapper(mtx = bmmc.data$`Gene Expression`, exp = "DN1_BMMC1", res = 0.5)
```

Arguments

mtx sparse Matrix of class "dgCMatrix", each row is a gene, each column is a cell,

res The name of this sample/experiment clustering resolution, default=0.5

Value

this returns seurat object with RNA clustering

Examples

```
bmmc.data=Read10X(data.dir = "XX/CellRanger/Donor01_BMMC_1/outs/filtered_feature_bc_matri
docluster_GEM(mtx=bmmc.data$`Gene Expression`,exp="DN1_BMMC1")
```

Multi_Wrapper

Wrap Seurat Multiomics clustering

Description

This function allows you to perform standard sc-multiome clustering

Usage

```
Multi_Wrapper(
    path = "/lab/solexa_weissman/cweng/Projects/MitoTracing_Velocity/SecondaryAr
)
```

Arguments

path

this should be the path to the cell-ranger results XX/outs

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Value

this returns seurat object with both RNA and ATAC

Examples

```
MultiWrapper(path="XX/CellRanger/Donor01_BMMC_1/outs/")
```

Tomerge_v2

Tomerge_v2

Description

This function is to quickly merge two dataframe by rownames, but can choose to leave A or B all information

Usage

```
Tomerge_v2(A, B, leavex = T, leavey = F)
```

Arguments

A dataframe A

B dataframe B

Value

return a data frame with merged information

Examples

Tomerge_v2(A,B)

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