Package: qcQpcr (via r-universe)

October 17, 2024

Type Package

Title Histone ChIP-Seq qPCR Analyzer

Version 1.5

Date 2018-02-02

Author Alireza Lorzadeh

Maintainer Alireza Lorzadeh <alorzadeh@bcgsc.ca>

Description Quality control of chromatin immunoprecipitation libraries
(ChIP-seq) by quantitative polymerase chain reaction (qPCR).
This function calculates Enrichment value with respect to
reference for each histone modification (specific to 'Vii7'
software
<http://www.thermofisher.com/ca/en/home/life-science/pcr/real-time-pcr/
real-time-pcr-instruments/viia-7-real-time-pcr-system/viia-7-software.html>).
This function is applicable to full panel of histone
modifications described by International Human Epigenomic
Consortium (IHEC).

Imports ggplot2

License MIT + file LICENSE

Depends R (>= 2.10)

NeedsCompilation no

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Repository https://alorzadeh.r-universe.dev

RemoteUrl https://github.com/cran/qcQpcr

RemoteRef HEAD

RemoteSha c1fe985a1f6f4edf6e90496bff4d6a690c815a87

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Description

Quality control of chromatin immunoprecipitation libraries (ChIP-seq) by quantitative polymerase chain reaction (qPCR). This function calculates Enrichment value with respect to reference for each histone modification (specific to 'Vii7' software <http://www.thermofisher.com/ca/en/home/life-science/pcr/real-time-pcr/real-time-pcr-instruments/viia-7-real-time-pcr-system/viia-7-software.html>). This function is applicable to full panel of histone modifications described by International Human Epigenomic Consortium (IHEC). Quality control of chromatin immunoprecipitation libraries (ChIP-seq) by quantitative polymerase chain reaction (qPCR). This function calculates Enrichment value with respect to reference for each histone modification (specific to 'Vii7' software <http://www.thermofisher.com/ca/en/home/life-science/pcr/real-time-pcr/real-time-pcr-instruments/viia-7-real-time-pcr-system/viia-7-software.html>). This function is applicable to full panel of histone modifications described by International Human Epigenomic Consortium (IHEC).

Details

The DESCRIPTION file:

Package:	qcQpcr
Type:	Package
Title:	Histone ChIP-Seq qPCR Analyzer
Version:	1.5
Date:	2018-02-02
Author:	Alireza Lorzadeh
Maintainer:	Alireza Lorzadeh <alorzadeh@bcgsc.ca>
Description:	Quality control of chromatin immunoprecipitation libraries (ChIP-seq) by quantitative polymerase chain
Imports:	ggplot2
License:	MIT + file LICENSE
Depends:	R (>= 2.10)
NeedsCompilation:	no
Packaged:	2018-02-02 23:24:48 UTC; epigenomics_lab_01

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qcQpcr              Histone ChIP-Seq qPCR Analyzer
qcQpcr-package      Histone ChIP-Seq qPCR Analyzer Histone ChIP-Seq
                    qPCR Analyzer
```

qcQpcr(xx,'Title for you graph')

Author(s)

Alireza Lorzadeh

Examples

```
library(ggplot2)
data(SampleTest)
qcQpcr(SampleTest,'Title for your graph')
```

---

qcQpcr   *Histone ChIP-Seq qPCR Analyzer*

Description

Quality control of chromatin immunoprecipitation libraries (ChIP-seq) by quantitative polymerase chain reaction (qPCR). This function calculates Enrichment value with respect to reference for each histone modification (specific to 'Vii7' software <http://www.thermofisher.com/ca/en/home/life-science/pcr/real-time-pcr/real-time-pcr-instruments/viia-7-real-time-pcr-system/viia-7-software.html>). This function is applicable to full panel of histone modifications described by International Human Epigenomic Consortium (IHEC).

Usage

```
qcQpcr(xx, Name)
```

Arguments

xx   'Your Data Set'

Name   '.... Title for you graph, (ie: Projects name and date)'

Author(s)

Alireza Lorzadeh

Examples

```
library(ggplot2)
data(SampleTest)
qcQpcr(SampleTest,'Title for your graph')
```

SampleTest	*qPCR ChIP-seq Results*

Description

A dataset containing the the CT values of ChIPseq libraries.

Usage

```
SampleTest
```

Format

A data frame with 82 rows and 11 variables

Source

Hirst Lab, UBC Vancouver, Canada

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