Package: Qindex.data (via r-universe)

August 23, 2024

Type Package

Title Data for Package 'Qindex'

Version 0.1.1

Date 2024-04-24

Description Example data used in package 'Qindex'.

LazyData true

LazyDataCompression xz

RoxygenNote 7.3.1

Encoding UTF-8

License GPL-2

Depends R (>= 4.3),

Language en-US

Suggests knitr

NeedsCompilation no

Author Tingting Zhan [aut, cre, cph] (<`https://orcid.org/0000-0001-9971-4844`>), Misung Yi [aut, cph] (<`https://orcid.org/0000-0002-4007-5408`>), Inna Chervoneva [aut, cph] (<`https://orcid.org/0000-0002-9104-4505`>)

Maintainer Tingting Zhan <`tingtingzhan@gmail.com`>

Date/Publication 2024-04-24 15:30:09 UTC

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

RemoteUrl https://github.com/cran/Qindex.data

RemoteRef HEAD

RemoteSha fe56bea1cab64fb6dfc89289098b0c1b58b9910b

Contents

`Qindex.data-package` *Data for Package ’Qindex’*

Description

Example data used in package ’Qindex’.

Author(s)

Maintainer: Tingting Zhan <`tingtingzhan@gmail.com`> (ORCID) [copyright holder]

Authors:

- Misung Yi <`misung.yi@dankook.ac.kr`> (ORCID) [copyright holder]
- Inna Chervoneva <`Inna.Chervoneva@jefferson.edu`> (ORCID) [copyright holder]

References

Selection of optimal quantile protein biomarkers based on cell-level immunohistochemistry data. Misung Yi, Tingting Zhan, Amy P. Peck, Jeffrey A. Hooke, Albert J. Kovatich, Craig D. Shriver, Hai Hu, Yunguang Sun, Hallgeir Rui and Inna Chervoneva. BMC Bioinformatics, 2023. doi:10.1186/s12859023054088

Quantile index biomarkers based on single-cell expression data. Misung Yi, Tingting Zhan, Amy P. Peck, Jeffrey A. Hooke, Albert J. Kovatich, Craig D. Shriver, Hai Hu, Yunguang Sun, Hallgeir Rui and Inna Chervoneva. Laboratory Investigation, 2023. doi:10.1016/j.labinv.2023.100158

`celldata` *Ki67 Data*

Description

Ki67 cell data containing 622 patients

Usage

```
Ki67
```

Format

`PATIENT_ID`	factor, unique patient identifier
`tissueID`	factor, TMA core identifier
`RECURRENCE`	integer, recurrence indicator, 1 = Recurred, 0 = not Recurred
`RECFREESURV_MO`	integer, recurrence-free survival time in months
`Marker`	double, cell signal intensity of the protein immunofloerscence signal
`inner_x`	integer, x-coordinate in the cell centroid in the TMA core

`inner_y` integer, y-coordinate in the cell centroid in the TMA core

`AGE_AT_DX` integer, age at diagnosis

`Tstage` integer, tumor stage

`NodeSt` integer, node stage, -1 = unknown, 0 = Node Negative, 1 = Node Positive

`HRpos` integer, indicator of hormone positive status (ER+ or PR+), 1 = positive, 0 = negative

`HistologicalGrade` integer, histology grade

`Her2_path_qIF` integer, Her2 status, 1 = positive, 0 = negative

`RACE` character, race, White, Black, Asian, Native Hawaiian or Other Pacific Islander, American Indian or Alaska Native, Unknown

`RadjCHEMO` integer, adjuvant chemo treatment, 0 = unknown, 1 = done, 2 = NOT done

`RadjRAD` integer, adjuvant radiation treatment, 0 = unknown, 1 = done, 2 = NOT done

`HORM_4cat` integer, hormone treatment, 0 = unknown, 1 = not indicated, 2 = done, 3 = recommended, but not done

`MSI` double, mean signal intensity (mean over all cells in the TMA core)

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