Package 'PRECISIONDATA'

August 23, 2016

Type Package

Title Datasets for the PaiREd miCrorna sImulation on Study desIgn for
mOlecular classificatioN (PRECISION) Package

Version 0.1

Date 2016-04-22

Author Rebecca Huang, Li-Xuan Qin

Maintainer Rebecca Huang <huangh4@mskcc.org>

Description Different versions of a unique pair of Agilent microRNA microar-
ray datasets that can be used for the PRECISION package.

License GPL (>= 2)

Depends R (>= 3.0.2)

Suggests rmarkdown, knitr

LazyData TRUE

RoxygenNote 5.0.1

R topics documented:

---

noba.nuhdata.log2   *The non-uniformly-handled probe-level dataset, before preprocessing*

Description

The non-uniformly-handled probe-level dataset, with control probes removed. The expressions are on a log2 scale without background adjustment. The sample IDs (the column names) ending with "E" or "V" are used to indicate whether a sample is endometrial or ovarian tumor sample. There are 96 endometrial and 96 ovarian tumor samples.

Usage

```
noba.nuhdata.log2
```

Format

A data matrix with 53880 rows (probes) and 192 columns (samples).

References

<http://clincancerres.aacrjournals.org/content/20/13/3371.long>

---

noba.nuhdata.log2.p10   *The non-uniformly-handled probe-level dataset, 10 probes for each unique probe*

Description

The non-uniformly-handled probe-level dataset with 10 probes for each unique probe. It is truncated from the non-uniformly-handled probe-level dataset (`noba.nuhdata.log2.p10`), by keeping only the first 10 probes for each unique probe.

Usage

```
noba.nuhdata.log2.p10
```

Format

A data matrix with 35230 rows (probes) and 192 columns (samples).

---

noba.nuhdata.log2.p10.psl

The non-uniformly-handled probe-set-level dataset

Description

The non-uniformly-handled probe-set-level dataset. It is probe-set summarized from the non-uniformly-handled probe-level dataset with 10 probes for each unique probe (`noba.nuhdata.log2.p10`), using median.

Usage

```
noba.nuhdata.log2.p10.psl
```

Format

A data matrix with 3523 rows (probes) and 192 columns (samples).

---

noba.uhdata.log2   *The uniformly-handled probe-level dataset, before preprocessing*

Description

The uniformly-handled probe-level dataset, with control probes removed. The expressions are on a log2 scale without background adjustment. The sample IDs (the column names) ending with "E" or "V" are used to indicate whether a sample is endometrial or ovarian tumor sample. There are 96 endometrial and 96 ovarian tumor samples.

Usage

```
noba.uhdata.log2
```

Format

A data matrix with 53880 rows (probes) and 192 columns (samples).

References

<http://clincancerres.aacrjournals.org/content/20/13/3371.long>

noba.uhdata.log2.p10   *The uniformly-handled probe-level dataset, 10 probes for each unique probe*

Description

The uniformly-handled probe-level dataset with 10 probes for each unique probe. It is truncated from the uniformly-handled probe-level dataset (noba.uhdata.log2.p10), by keeping only the first 10 probes for each unique probe.

Usage

```
noba.uhdata.log2.p10
```

Format

A data matrix with 35230 rows (probes) and 192 columns (samples).

noba.uhdata.log2.p10.psl

The uniformly-handled probe-set-level dataset

Description

The uniformly-handled probe-set-level dataset. It is probe-set summarized from the uniformly-handled probe-level dataset with 10 probes for each unique probe (noba.uhdata.log2.p10), using median.

Usage

```
noba.uhdata.log2.p10.psl
```

Format

A data matrix with 3523 rows (probes) and 192 columns (samples).

Index