

# Package ‘PRECISIONDATA’

August 23, 2016

**Type** Package

**Title** Datasets for the PaiREd miCrona sImulation on Study desIgn for  
mOlecular classification (PRECISION) Package

**Version** 0.1

**Date** 2016-04-22

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**Description** Contains 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

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noba.nuhdata.log2	<i>The nonuniformly-handled probe-level dataset, before preprocessing</i>
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**Description**

The nonuniformly-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>

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noba.nuhdata.log2.p10	<i>The nonuniformly-handled probe-level dataset, 10 probes for each unique probe</i>
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**Description**

The nonuniformly-handled probe-level dataset with 10 probes for each unique probe. It is truncated from the nonuniformly-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).

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noba.nuhdata.log2.p10.psl

*The nonuniformly-handled probe-set-level dataset*


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### Description

The nonuniformly-handled probe-set-level dataset. It is probe-set summarized from the nonuniformly-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).

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noba.uhdata.log2

*The uniformly-handled probe-level dataset, before preprocessing*


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### 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.

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

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noba.uhdata.log2.p10

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noba.uhdata.log2.p10.psl  
                          *The uniformly-handled probe-set-level dataset*

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