

Package ‘SpikeInSubset’

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Title Part of Affymetrix's Spike-In Experiment Data

Version 1.20.0

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Description

Includes probe-level and expression data for the HGU133 and HGU95 spike-in experiments

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Depends R (>= 2.4.0), Biobase (>= 2.5.5), affy (>= 1.23.4)

biocViews ExperimentData, MicroarrayData

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R topics documented:

hgu133a.spikein.xhyb	1
SpikeIn	2
Index	3

hgu133a.spikein.xhyb *Cross hybridizers*

Description

Probe Sets likely to crosshybridize to spiked-in probesets in the Affymetrix HGU133A spike in

This object is list. Each component of the list contains probeset names of possible crosshybridizers. The sequences of each spiked-in clone were collected and blasted against all HG-U133A target sequences. Target sequences are the ~600bp regions from which probes were selected. Thresholds of 100, 150 and 200bp were used and define the three components of the list.

Usage

```
data(hgu133a.spikein.xhyb)
```

Format

A list

Source

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SpikeIn

Subset of Affymetrix SpikeIn Experiment Data

Description

Probe-level and pre-processed data for six arrays (two triplicates) from the HGU95 and HGU133 SpikeIn experiments.

Usage

```
data(spikein95)
data(rma95)
data(mas95)
```

```
data(spikein133)
data(rma133)
data(mas133)
```

Format

SpikeIn is [ProbeSet](#) containing the \$PM\$ and \$MM\$ intensities for a gene spiked in at different concentrations. Use `pData` to see the concentrations.

Source

`spikein95` and `spikein133` are instances of [ProbeSet](#) with the probe-level data for six arrays (two triplicates) from the HGU95 and HGU133 SpikeIn experiments respectively. `rma95` and `rma133` contain the data pre-processed with RMA. `mas95` and `mas133` contain the data pre-processed with `mas5` (expression and present/absent calls). The calls are in objects called `paca11s95` and `paca11s133`.

For more information see Irizarry, R.A., et al. NAR (2003) <http://www.biostat.jhsph.edu/~ririzarr/papers/index.html>

Index

*Topic **datasets**

hgu133a.spikein.xhyb, [1](#)
SpikeIn, [2](#)

hgu133a.spikein.xhyb, [1](#)

mas133 (SpikeIn), [2](#)
mas95 (SpikeIn), [2](#)

pacalls133 (SpikeIn), [2](#)
pacalls95 (SpikeIn), [2](#)
ProbeSet, [2](#)

rma133 (SpikeIn), [2](#)
rma95 (SpikeIn), [2](#)

SpikeIn, [2](#)
spikein133 (SpikeIn), [2](#)
spikein95 (SpikeIn), [2](#)