Package 'SpikeInSubset'

October 27, 2026

Title Part of Affymetrix's Spike-In Experiment Data

Version 1.53.0

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URL https://bioconductor.org/packages/SpikeInSubset

BugReports https://github.com/rafalab/SpikeInSubset/issues

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

git_url https://git.bioconductor.org/packages/SpikeInSubset

git_branch devel

git_last_commit 5f6a18a

git_last_commit_date 2026-04-28

Repository Bioconductor 3.24

Date/Publication 2026-10-27

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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

Simon Cawley <simon_cawley@affymetrix.com>

SpikeIn *Subset of Affymetrix SpikeIn Experiment Data*

Description

Probe-level and pre-proecssed 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 cosntrations.

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 preprocssed with mas5 (expression and present/absent calls). The calls are in objects called pacalls95 and pacalls133.

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

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