

Package ‘affycompData’

February 18, 2025

Version 1.45.0

Title affycomp data

Author Rafael A. Irizarry <rafa@ds.dfci.harvard.edu> and Zhijin Wu
<zwu@stat.brown.edu> with contributions from Simon Cawley
<simon_cawley@affymetrix.com>

Maintainer Robert D Shear <rshear@ds.dfci.harvard.edu>

URL <https://bioconductor.org/packages/affycompData>

BugReports <https://github.com/rafalab/affyCompData/issues>

Depends R (>= 2.13.0), methods, Biobase (>= 2.3.3), affycomp

Description Data needed by the affycomp package.

License GPL (>= 2)

biocViews MicroarrayData

git_url <https://git.bioconductor.org/packages/affycompData>

git_branch devel

git_last_commit 7729c80

git_last_commit_date 2024-10-29

Repository Bioconductor 3.21

Date/Publication 2025-02-18

Contents

| | |
|-----------------------------|---|
| lw.sd.assessment | 2 |
| mas5.assessment | 2 |
| rma.assessment | 3 |
| rma.sd.assessment | 3 |

| | |
|--------------|----------|
| Index | 4 |
|--------------|----------|

| | |
|------------------|---|
| lw.sd.assessment | <i>An example of the result of an SD assessment</i> |
|------------------|---|

Description

The Dilution files were processed with the dChip package (using PM-only), and then the function `assessSD` from the affycomp package was applied.

Usage

```
data(lw.sd.assessment)
```

Format

A list.

| | |
|-----------------|--|
| mas5.assessment | <i>Examples of the result of assessments</i> |
|-----------------|--|

Description

The Dilution and both (HGU95 and HGU133) types of Spike-in data were processed with Affymetrix MAS 5.0 software, yielding three "MAS 5.0" `ExpressionSet`'s. (These are available, in csv-format, at <http://affycomp.jhsph.edu/AFFY2/rafa@jhu.edu/030424.1033/>.) Then various assessment functions from the affycomp package (most recently, version 1.28.0) were applied. `mas5.assessment` resulted from `assessAll` on Dilution and HGU95; `mas5.assessment.133` from `assessSpikeIn` on HGU133; `mas5.assessment2` from `assessSpikeIn2` on HGU95; and `mas5.assessment2.133` from `assessSpikeIn2` on HGU133.

Usage

```
data(mas5.assessment)
data(mas5.assessment.133)
data(mas5.assessment2)
data(mas5.assessment2.133)
```

Format

A list of list.

`rma.assessment`*Examples of the result of assessments*

Description

The Dilution and both (HGU95 and HGU133) types of Spike-in data were processed with the (version 1.0) function `rma`, yielding three "RMA" [ExpressionSet](#)'s. (These are available, in csv-format, at <http://affycomp.jhsph.edu/AFFY2/rafa@jhu.edu/030429.1332/>.) Then various assessment functions from the `affycomp` package (most recently, version 1.28.0) were applied. `rma.assessment` resulted from `assessAll` on Dilution and HGU95; `rma.assessment.133` from `assessSpikeIn` on HGU133; `rma.assessment2` from `assessSpikeIn2` on HGU95; and `rma.assessment2.133` from `assessSpikeIn2` on HGU133.

Usage

```
data(rma.assessment)
data(rma.assessment.133)
data(rma.assessment2)
data(rma.assessment2.133)
```

Format

A list of list.

`rma.sd.assessment`*An example of the result of an SD assessment*

Description

The Dilution files were processed with the `affy` version 1.0 package `rma` add-on function, and then the function `assessSD` from the `affycomp` package was applied.

Usage

```
data(rma.sd.assessment)
```

Format

A list.

Index

* datasets

- lw.sd.assessment, 2
- mas5.assessment, 2
- rma.assessment, 3
- rma.sd.assessment, 3

- assessAll, 2, 3
- assessSD, 2, 3
- assessSpikeIn, 2, 3
- assessSpikeIn2, 2, 3

- ExpressionSet, 2, 3

- lw.sd.assessment, 2

- mas5.assessment, 2
- mas5.assessment2 (mas5.assessment), 2

- rma, 3
- rma.assessment, 3
- rma.assessment2 (rma.assessment), 3
- rma.sd.assessment, 3