

# Package ‘affycompData’

November 5, 2024

**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** 2024-11-05

## Contents

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

<b>Index</b>	<b>4</b>
--------------	----------

---

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