Package 'CCl4'

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Title Carbon Tetrachloride (CCl4) treated hepatocytes

Version 1.50.0

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Description NChannelSet for rat hepatocytes treated with Carbon Tetrachloride (CCl4) data from LGC company.

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License Artistic-2.0

Depends R (>= 2.6.0), Biobase (>= 2.5.5), limma

biocViews ExperimentData, Genome, Rattus_norvegicus_Data, MicroarrayData

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`CCl4` *Carbon Tetrachloride (CCl4) treated hepatocytes*

Description

These datasets contain raw intensities from Agilent *Rat Whole Genome* microarrays. Total RNA from rat hepatocytes treated by Carbon Tetrachloride or DMSO was extracted. Purifed RNA from Carbon Tetrachloride treated cells was degraded by ribonuclease A in order to study the effect of RNA quality on the expression data. From an initial Agilent RIN (RNA Integrity Number) value of 9.7, degraded RNA RIN values of 5.0 and 2.5 were achieved.

Usage

```
data("CCl4")
data("CCl4_RGList")
```

Format

`CCl4` is a `NChannelSet` with 44290 probes and 18 arrays. `CCl4_RGList` is an `RGList` with the same data.

Source

Carole Foy, Holger Laux, Timothy Wilkes from LGC company in London, UK.

Examples

```
data("CCl4")
show(CCl4)

data("CCl4_RGList")
show(CCl4_RGList)
```

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