Package ‘lumiBarnes’

April 2, 2024

Type  Package
Title  Barnes Benchmark Illumina Tissues Titration Data
Version  1.42.0
Date  2010-10-12
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Description  The Barnes benchmark dataset can be used to evaluate the algorithms for Illumina microarrays. It measured a titration series of two human tissues, blood and placenta, and includes six samples with the titration ratio of blood and placenta as 100:0, 95:5, 75:25, 50:50, 25:75 and 0:100. The samples were hybridized on Human-Ref-8 BeadChip (Illumina, Inc) in duplicate. The data is loaded as an LumiBatch Object (see documents in the lumi package).

License  LGPL

Depends  R (>= 2.0), Biobase (>= 2.5.5), lumi (>= 1.1.0)
biocViews  ExperimentData, Tissue, MicroarrayData, ChipOnChipData
git_url  https://git.bioconductor.org/packages/lumiBarnes
git_branch  RELEASE_3_18
git_last_commit  8d90ec5
git_last_commit_date  2023-10-24
Repository  Bioconductor 3.18
Date/Publication  2024-04-02

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Barnes Benchmark Illumina Tissues Titration Data

Description

The Barnes data set measured a titration series of two human tissues, blood and placenta. It includes six samples with the titration ratio of blood and placenta as 100:0, 95:5, 75:25, 50:50, 25:75 and 0:100. The samples were hybridized on HumanRef-8 BeadChip (Illumina, Inc) in duplicate. See (Barnes, et al., 2005) for details. The data is saved as a LumiBatch object and should be use together with lumi package.

Because the Barnes data utilized the pre-released version of HumanRef-8 version 1 BeadChip, some probes on the chip do not exist in the public released HumanRef-8 version 1 BeadChip. For annotation consistence, these probes was removed in the lumiBarnes package. For the interested users, the raw data can be downloaded from the paper companion website: http://www.bioinformatics.ubc.ca/pavlidis/lab/platformCompare/.

Usage

data(lumiBarnes)

Format

lumiBarnes is a LumiBatch-class object.

Source


Examples

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