Package 'beta7'

November 10, 2026

Version 1.50.0

Date 2005-10-19

Title Rodriguez et al. (2004) Differential Gene Expression by Memory/Effector T Helper Cells Bearing the Gut-Homing Receptor Integrin alpha4 beta7.

Author Jean Yang <jean@biostat.ucsf.edu>

Maintainer Jean Yang <jean@biostat.ucsf.edu>

Description
Data from 6 gpr files aims to identify differential expressed genes between the beta 7+ and beta 7- memory T helper cells.

License LGPL

Depends R (>= 2.4.0), marray

biocViews ExperimentData, Homo_sapiens_Data, CGHData, MicroarrayData

git_url https://git.bioconductor.org/packages/beta7

git_branch RELEASE_3_23

git_last_commit b903d6b

git_last_commit_date 2026-04-28

Repository Bioconductor 3.23

Date/Publication 2026-11-10

Contents

beta7 2

Index **3**

beta7 *Data from Rodriguez et al. (2004) Differential Gene Expression by Memory/Effector T Helper Cells Bearing the Gut-Homing Receptor Integrin alpha4 beta7.*

Description

This data package contains an `marrayRaw` instance for the as well as 6 gpr files of the beta7 microarray experiment.

Usage

```
data(beta7)
```

Details

Each arrays(hybridization) involved $\beta 7+$ cell RNA from a single subject (labeled with one dye) and $\beta 7-$ cell RNA from the same subject (labeled with the other dye). Target RNA was hybridized to microarrays containing 23,184 probes including Operon Human version 2 set of 70-mer oligonucleotide probes and 1760 controls spots (e.g. negative, positive and normalization controls spots).

References

M.W. Rodriguez, A. C. Paquet, Y.H. Yang and D. J. Erle, Differential gene expression by integrin beta7+and beta7-memory T helper cells, *BMC Immunology* 2004, pp. 5–13.

Examples

```
data(beta7)
summary(beta7)
dim(beta7@maGf)
```

Index

∗ **datasets**
beta7, 2

beta7, 2