

Package ‘beta7’

April 30, 2026

Version 1.51.0

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 devel

git_last_commit c514620

git_last_commit_date 2026-04-28

Repository Bioconductor 3.24

Date/Publication 2026-04-30

Contents

beta7 1

Index 3

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

Description

This data package contains an marrayRaw instance for the as well as 6 gpr files of the beta7 mi-
croarray experiment.

Usage

```
data(beta7)
```

Details

Each arrays(hybridization) involved $\beta7+$ cell RNA from a single subject (labeled with one dye) and $\beta7-$ 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, 1

beta7, 1