

Package: ReactomeGSA.data (via r-universe)

October 10, 2026

Type Package

Title Companion data package for the ReactomeGSA package

Version 1.27.0

Description Companion data sets to showcase the functionality of the ReactomeGSA package. This package contains proteomics and RNA-seq data of the melanoma B-cell induction study by Griss et al. and scRNA-seq data from Jerby-Arnon et al.

License Artistic-2.0

Encoding UTF-8

Depends R (>= 3.6), limma, edgeR, ReactomeGSA, Seurat

RoxygenNote 6.1.1

biocViews ExpressionData, RNASeqData, Proteome, Homo_sapiens_Data

BugReports <https://github.com/reactome/ReactomeGSA.data>

URL <https://github.com/reactome/ReactomeGSA.data/issues>

Config/pak/sysreqs cmake libglpk-dev make libicu-dev libpng-dev libuv1-dev libxml2-dev libssl-dev python3 zlib1g-dev

Repository <https://bioc.r-universe.dev>

Date/Publication 2026-04-28 12:33:38 UTC

RemoteUrl <https://github.com/bioc/ReactomeGSA.data>

RemoteRef HEAD

RemoteSha 4229ccd69ea3183b5de48da0674d252b9f76ed21

Contents

griss_melanoma_proteomics	2
griss_melanoma_result	2
griss_melanoma_rnaseq	3
jerby_b_cells	3

Index	4
--------------	----------

griss_melanoma_proteomics

Proteomics intensity-based quantitation data from the B-Cell melanoma induction study by Griss et al.

Description

The data is available as a [EList](#) object containing the aggregated protein intensity values. Normalisation was already performed on the PSM level prior to protein-level aggregation.

Usage

```
griss_melanoma_proteomics
```

Format

An object of class `EList` with 6456 rows and 20 columns.

Author(s)

Johannes Griss <johannes.griss@meduniwien.ac.at>

References

Griss et al., Nat Commun. 2019 10(1):4186. doi: 10.1038/s41467-019-12160-2

griss_melanoma_result *Example Camera result created based on the melanoma induction study by Griss et al.*

Description

The result is stored as a [ReactomeAnalysisResult-class](#) object.

Usage

```
griss_melanoma_result
```

Format

An object of class `ReactomeAnalysisResult` of length 1.

Author(s)

Johannes Griss <johannes.griss@meduniwien.ac.at>

References

Griss et al., Nat Commun. 2019 10(1):4186. doi: 10.1038/s41467-019-12160-2

griss_melanoma_rnaseq	<i>Raw RNA-seq read counts from the B-Cell melanoma induction study by Griss et al.</i>
-----------------------	---

Description

The data is available as a [DGEList](#) object containing read counts per gene.

Usage

```
griss_melanoma_rnaseq
```

Format

An object of class `DGEList` with 58237 rows and 16 columns.

Author(s)

Johannes Griss <johannes.griss@meduniwien.ac.at>

References

Griss et al., Nat Commun. 2019 10(1):4186. doi: 10.1038/s41467-019-12160-2

jerby_b_cells	<i>Example Seurat object containing B cells extracted from the single-cell RNA-seq dataset published by Jerby-Arnon et al.</i>
---------------	--

Description

This result is stored as a `Seurat` object.

Usage

```
jerby_b_cells
```

Format

An object of class `Seurat` with 23686 rows and 920 columns.

References

Jerby-Arnon et al., Cell 2018 1;175(4):984-997.e24. doi:10.1016/j.cell.2018.09.006

Index

* **datasets**

- griss_melanoma_proteomics, [2](#)
- griss_melanoma_result, [2](#)
- griss_melanoma_rnaseq, [3](#)
- jerby_b_cells, [3](#)

DGEList, [3](#)

EList, [2](#)

griss_melanoma_proteomics, [2](#)
griss_melanoma_result, [2](#)
griss_melanoma_rnaseq, [3](#)

jerby_b_cells, [3](#)