

Package ‘lungExpression’

April 4, 2023

Version 0.36.0

Date 2009-07-22

Title ExpressionSets for Parmigiani et al., 2004 Clinical Cancer
Research paper

Author Robert Scharpf <rscharpf@jhu.edu>, Simens Zhong <zhong@mts.jhu.edu>, Gio-
vanni Parmigiani <gp@jhu.edu>

Maintainer Robert Scharpf <rscharpf@jhu.edu>

Depends R (>= 2.4.0), Biobase (>= 2.5.5)

Suggests

Description Data from three large lung cancer studies provided as ExpressionSets

LazyLoad yes

biocViews ExperimentData, CancerData, LungCancerData

License GPL (>= 2)

git_url <https://git.bioconductor.org/packages/lungExpression>

git_branch RELEASE_3_16

git_last_commit b0e2b30

git_last_commit_date 2022-11-01

Date/Publication 2023-04-04

R topics documented:

harvard	2
michigan	2
stanford	3

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

harvard	<i>A Harvard study on lung cancer gene expression</i>
---------	---

Description

A Harvard study on lung cancer gene expression. Data is represented as an ExpressionSet.

Usage

```
data(harvard)
```

Details

Annotation for the phenoData will be updated.

References

Bhattacharjee et al., Classification of human lung carcinomas by mRNA expression profiling reveals distinct adenocarcinoma subclasses, PNAS 2001, 98:13790-5.

Parmigiani et al., A cross-study comparison of gene expression studies for the molecular classification of lung cancer, Clinical Cancer Research, 10:2922-2927, 2004.

Examples

```
data(harvard)
```

michigan	<i>A Michigan study on lung cancer gene expression</i>
----------	--

Description

A Michigan study on lung cancer gene expression. Data is represented as an ExpressionSet.

Usage

```
data(michigan)
```

Details

Annotation for the phenoData will be updated.

References

Beer et al., Gene expression profiles predict survival of patients with lung adenocarcinoma. Nature Medicine 8(8):816-824 (2002).

Parmigiani et al., A cross-study comparison of gene expression studies for the molecular classification of lung cancer, Clinical Cancer Research, 10:2922-2927, 2004.

Examples

```
data(michigan)
```

```
stanford
```

Public lung cancer data from the Stanford study

Description

Public lung cancer data from the Stanford study represented as an ExpressionSet

Usage

```
data(stanford)
```

Details

Annotation for the phenoData will be updated.

References

Garber et al., Diversity of Gene Expression in Adenocarcinoma of the Lung, PNAS, 2001, 98(24):13784-9.

Parmigiani et al., A cross-study comparison of gene expression studies for the molecular classification of lung cancer, Clinical Cancer Research, 10:2922-2927, 2004.

Examples

```
data(stanford)
```

Index

* **datasets**

harvard, [2](#)

michigan, [2](#)

stanford, [3](#)

harvard, [2](#)

michigan, [2](#)

stanford, [3](#)