

# Package ‘lungExpression’

July 15, 2025

**Version** 0.46.0

**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)

**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\_21

**git\_last\_commit** 5d64936

**git\_last\_commit\_date** 2025-04-15

**Repository** Bioconductor 3.21

**Date/Publication** 2025-07-15

## Contents

|                    |          |
|--------------------|----------|
| harvard . . . . .  | 2        |
| michigan . . . . . | 2        |
| stanford . . . . . | 3        |
| <b>Index</b>       | <b>4</b> |

---

|         |                                                       |
|---------|-------------------------------------------------------|
| 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](#)