

# Package ‘lungExpression’

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**Version** 0.44.0

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

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**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\_20

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harvard

*A Harvard study on lung cancer gene expression*

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### **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

*A Michigan study on lung cancer gene expression*

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### **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*

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**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)
```

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