

# Package ‘rRDPData’

April 8, 2015

**Title** Database for the Default RDP Classifier

**Description** Database used by the default RDP Classifier

**Version** 1.0.0

**Date** 2014-08-19

**Author** Michael Hahsler, Anurag Nagar

**Maintainer** Michael Hahsler <mhahsler@lyle.smu.edu>

**biocViews** Genetics, Sequencing, Infrastructure, Classification

**Depends** rRDP

**SystemRequirements** Java

**License** GPL-2

## R topics documented:

16SrRNA . . . . .	1
<b>Index</b>	<b>3</b>

---

16SrRNA	<i>RDP Classifier Model for RDP 16S rRNA Trainingset No 9</i>
---------	---

---

## Description

Model data for the RDP classifier trained with the RDP 16S rRNA Trainingset No 9. This is the default model data used by RDP.

## Details

`rdp()` creates a default classifier using this data set.

The model data is stored in `system.file("16srrna", package="rRDPData")` and consists of several files in proprietary format used by the RDP software. Since RDP is a naive Bayes classifier the data mainly contain conditional word (8-mer) probabilities.

**References**

RDP Classifier <http://sourceforge.net/projects/rdp-classifier/>

**Examples**

```
### Use the RDP with the default classifier model data
seq <- readRNAStringSet(system.file("examples/RNA_example.fasta",
package="rRDP"))

## shorten names
names(seq) <- sapply(strsplit(names(seq), " "), "[", 1)
seq

## use RDP for classification
pred <- predict(rdp(), seq)
pred

attr(pred, "confidence")
```

# Index

\*Topic **model**

16SrRNA, [1](#)

16S (16SrRNA), [1](#)

16SrRNA, [1](#)