

Package ‘rRDPData’

March 28, 2024

Title Database for the Default RDP Classifier

Description Database used by the default RDP Classifier

Version 1.22.0

Date 2014-08-19

Author Michael Hahsler, Anurag Nagar

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

biocViews SequencingData, MicrobiomeData

Depends rRDP

SystemRequirements Java

License GPL-2

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

git_branch RELEASE_3_18

git_last_commit 1b0000d

git_last_commit_date 2023-10-24

Repository Bioconductor 3.18

Date/Publication 2024-03-28

R topics documented:

16SrRNA	2
Index	3

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

* **model**

16SrRNA, [2](#)
16S (16SrRNA), [2](#)
16SrRNA, [2](#)