

Package ‘AWAggregatorData’

October 30, 2025

Type Package

Title Attribute-Weighted Aggregation Data

Version 1.1.0

Description The AWAggregatorData package contains the data associated with the AWAggregator R package. It includes two pre-trained random forest models, one incorporating the average coefficient of variation as a feature, and the other one not including it. It also contains the PSMs in Benchmark Set 1~3 derived from the psm.tsv output files generated by FragPipe, which are used to train the random forest models.

License MIT + file LICENSE

Encoding UTF-8

Suggests BiocStyle, knitr, rmarkdown

Depends ExperimentHub

biocViews ExperimentData, PackageTypeData, ExperimentHub,
MassSpectrometryData, Proteome

BugReports <https://github.com/Tan-Jiahua/AWAggregatorData/issues>

URL <https://github.com/Tan-Jiahua/AWAggregatorData>

VignetteBuilder knitr

Config/testthat/edition 3

RoxygenNote 7.3.2

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

git_branch devel

git_last_commit da6d936

git_last_commit_date 2025-10-29

Repository Bioconductor 3.23

Date/Publication 2025-10-30

Author Jiahua Tan [aut, cre] (ORCID: <<https://orcid.org/0000-0001-5839-1049>>),
Gian L. Negri [aut] (ORCID: <<https://orcid.org/0000-0001-7722-8888>>),
Gregg B. Morin [aut] (ORCID: <<https://orcid.org/0000-0001-8949-4374>>),
David D. Y. Chen [aut] (ORCID: <<https://orcid.org/0000-0002-3669-6041>>)

Maintainer Jiahua Tan <jiahuatan@chem.ubc.ca>

Contents

AWAggregatorData-package	2
loadQuantInaccuracyModel	2

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

AWAggregatorData-package

AWAggregatorData: Attribute-Weighted Aggregation Data

Description

The AWAggregatorData package contains the data associated with the AWAggregator R package. It includes two pre-trained random forest models, one incorporating the average coefficient of variation as a feature, and the other one not including it. It also contains the PSMs in Benchmark Set 1~3 derived from the psm.tsv output files generated by FragPipe, which are used to train the random forest models.

Author(s)

Maintainer: Jiahua Tan <jiahuatan@chem.ubc.ca> ([ORCID](#))

Authors:

- Gian L. Negri <gnegri@bcgsc.ca> ([ORCID](#))
- Gregg B. Morin <gmorin@bcgsc.ca> ([ORCID](#))
- David D. Y. Chen <chen@chem.ubc.ca> ([ORCID](#))

See Also

Useful links:

- <https://github.com/Tan-Jiahua/AWAggregatorData>
- Report bugs at <https://github.com/Tan-Jiahua/AWAggregatorData/issues>

loadQuantInaccuracyModel

Load a Pre-trained Random Forest Model

Description

Loads a pre-trained random forest model for predicting the level of quantitative inaccuracy of PSMs.

Usage

```
loadQuantInaccuracyModel(useAvgCV = TRUE)
```

Arguments

<code>useAvgCV</code>	A logical value indicating whether the average CV attribute was used in the training.
-----------------------	---

Value

The pre-trained random forest model.

Examples

```
regr <- loadQuantInaccuracyModel(useAvgCV=TRUE)
```

Index

* **internal**

AWAggregatorData-package, [2](#)

AWAggregatorData

(AWAggregatorData-package), [2](#)

AWAggregatorData-package, [2](#)

loadQuantInaccuracyModel, [2](#)