Package 'AWAggregatorData'

October 27, 2026

Type Package

Title Attribute-Weighted Aggregation Data

Version 1.2.0

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.

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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

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`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.

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See Also

Useful links:

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

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`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

useAvgCV	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)
```

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