

# Package ‘AWAggregatorData’

January 22, 2026

**Type** Package

**Title** Attribute-Weighted Aggregation Data

**Version** 1.0.0

**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

**Config/testthat/edition** 3

**RoxygenNote** 7.3.2

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AWAggregatorData-package

*AWAggregatorData: Attribute-Weighted Aggregation Data*

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### 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*

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### 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.
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**Value**

The pre-trained random forest model.

**Examples**

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

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