

# Package ‘AWAggregatorData’

April 23, 2026

**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

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**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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## Contents

AWAggregatorData-package . . . . .	2
loadQuantInaccuracyModel . . . . .	2

<b>Index</b>	<b>4</b>
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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.

**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](#)