

# Package ‘AWAggregatorData’

January 8, 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.

**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** RELEASE\_3\_22

**git\_last\_commit** 536ce55

**git\_last\_commit\_date** 2025-10-29

**Repository** Bioconductor 3.22

**Date/Publication** 2026-01-08

**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 <jiahuat@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 <jiahuan@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

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](#)