

Ensemble Classification Data Element

The element ensembles data, produced by classification tools (Kraken, CLARK, DIAMOND), into a single file in CSV format. This file can be used as input for the WEVOTE classifier.

Element type: ensemble-classification

Parameters

| Parameter | Description | Defaultvalue | Parameter in Workflow File | Type |
|------------------------|--|--------------|----------------------------|---------------|
| Number of tools | Specify the number of classification tools. The corresponding data should be provided using the input ports. | 2 | number-tools | <i>string</i> |
| Output file | Specify the output file. The classification data are stored in CSV format with the following columns: 1. a sequence name 2. taxID from the first tool 3. taxID from the second tool 4. optionally, taxID from the third tool | ensemble.csv | out-file | <i>string</i> |

Input/Output Ports

The element has 3 identical *input ports*:

Name in GUI: Input taxonomy data:

An input slot for taxonomy classification data.

Name in Workflow File: tax-data1, tax-data2, tax-data3

Slots:

| SlotInGUI | Slot in Workflow File | Type |
|-------------------------|-----------------------|---------------------------|
| Input tax data 1 | tax-data | <i>tax-classification</i> |
| Input tax data 2 | tax-data | <i>tax-classification</i> |
| Input tax data 3 | tax-data | <i>tax-classification</i> |

The element has 1 *output port*:

Name in GUI: Ensembled classification:

URL to the CSV file with ensembled classification data.

Name in Workflow File: out

Slots:

| SlotInGUI | Slot in Workflow File | Type |
|-------------------|-----------------------|---------------|
| Output URL | url | <i>string</i> |