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	*string*
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.cvs	out-file	*string*

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**	*tax-classification*
Input tax data 2	**tax-data**	*tax-classification*
Input tax data 3	**tax-data**	*tax-classification*

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	*string*