

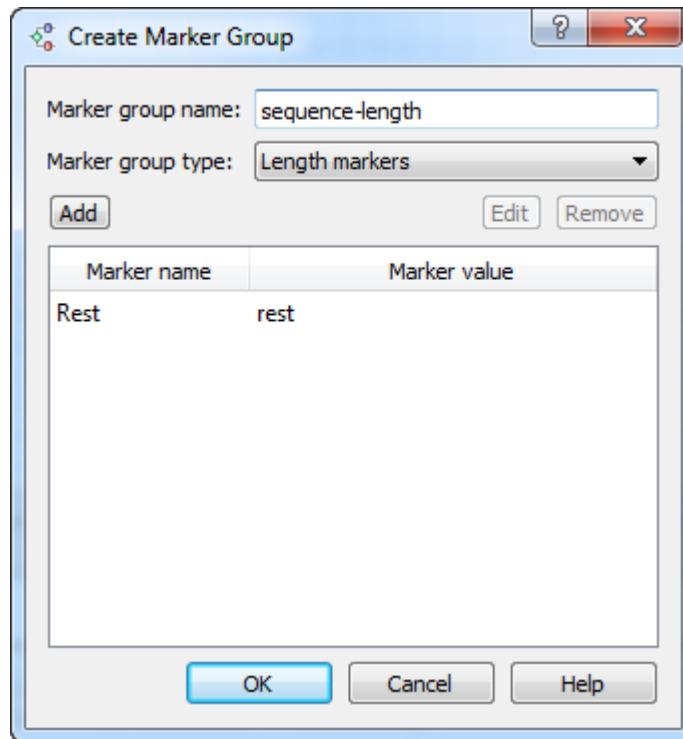
Sequence Marker Element

Adds one or several marks to the input sequence depending on the sequence properties. Use this element, for example, in conjunction with the [Filter](#) element.

Element type: mark-sequence

Parameters

To create a new marker group that would mark the input sequence, select the *Add* button in the *Parameters* area. The *Create Marker Group* dialog appears:



The *Create Marker Group* dialog box is shown. It has a title bar with a question mark and a close button. The main area contains two input fields: "Marker group name:" with the text "sequence-length" and "Marker group type:" with a dropdown menu showing "Length markers". Below these are three buttons: "Add", "Edit", and "Remove". A table with two columns, "Marker name" and "Marker value", is present. The table contains one row with "Rest" in the "Marker name" column and "rest" in the "Marker value" column. At the bottom are three buttons: "OK", "Cancel", and "Help".

Marker name	Marker value
Rest	rest

Choose a type of the marker group and input a marker group name. The following types are available:

Length markers — marks a sequence by length. The sequence is marked, for example, if its length is less or greater than the specified value.

Sequence name markers — marks a sequence by a sequence name.

Annotations count markers — marks a sequence by the number of annotations.

Qualifier integer value markers — marks a sequence by the number of integer qualifiers.

Qualifier text value markers — marks a sequence by the number of text qualifiers.

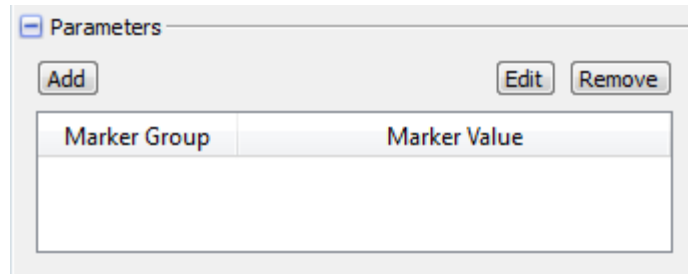
Qualifier float value markers — marks a sequence by the number of float qualifiers.

Text markers — marks a sequence by a file name. For example, if the name:

1. starts with the specified text;
2. ends with the specified text;
3. contains the specified text;
4. matches the specified regular expression .

Each marker group can contain more than one marker. Use the *Add*, *Edit* and *Remove* buttons in the dialog to create, modify and delete markers in the marker group.

To edit the created marker group, select the group in the *Parameters* area and click *Edit*.



To remove a marker group select it in the list and click *Remove*.

Input/Output Ports

The element has 1 *input port*.

Name in GUI: *Sequence*

Name in Workflow File: in-sequence

Slots:

Slot In GUI	Slot in Workflow File	Type
Sequence	sequence	<i>sequence</i>
Location	url	<i>string</i>
Set of annotations	annotations	<i>annotation-table-list</i>

The element has 1 *output port*.

Name in GUI: *Marked sequence*

Name in Workflow File: out-marked-seq

Slots:

Each created marker group adds a text slot with the following properties:

Slot In GUI	Slot in Workflow File	Type
Name of the marker group	Name of the marker group	<i>string</i>