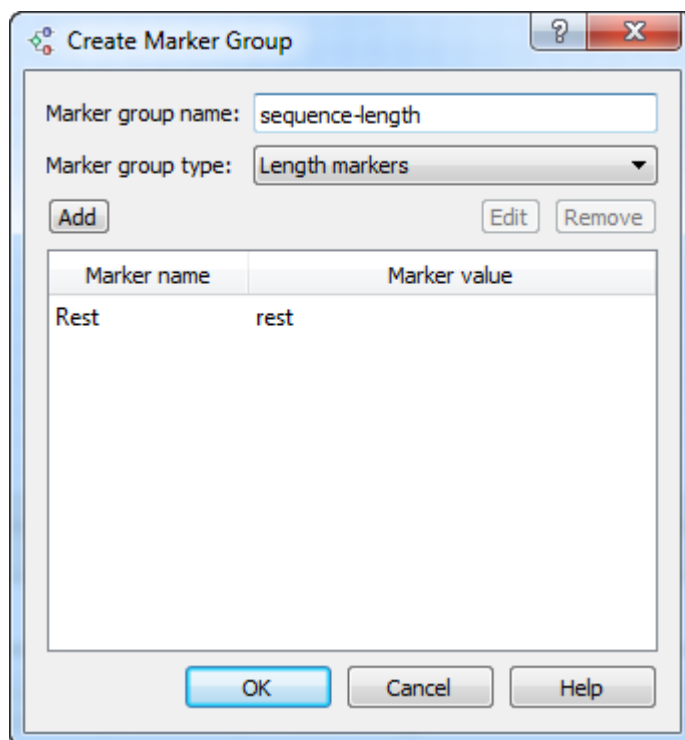


Sequence Marker Element

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.

Parameters in GUI

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 a text field for 'Marker group name' with the value 'sequence-length', a dropdown menu for 'Marker group type' with 'Length markers' selected, and three buttons: 'Add', 'Edit', and 'Remove'. Below these is a table with two columns: 'Marker name' and 'Marker value'. 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*:

 Parameters

Marker Group	Marker Value

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

Parameters in Workflow File

Type: mark-sequence

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>