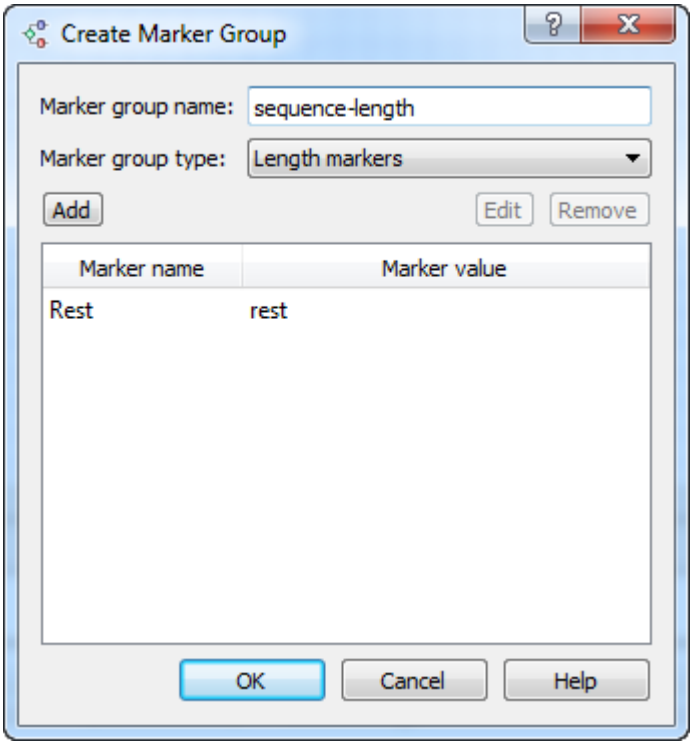
Sequence Marker Element

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:



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.

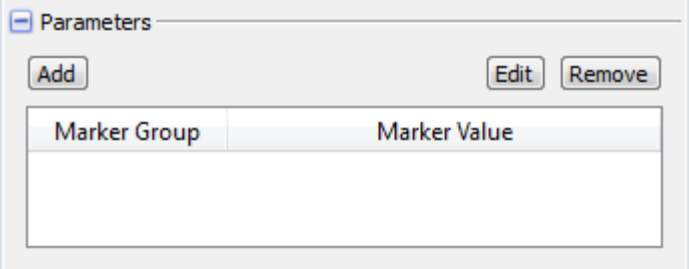
Qualifier float value markers — marks a sequence by the number of float qualifiers.

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*.

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**	*sequence*
Location	**url**	*string*
Set of annotations	**annotations**	*annotation-table-list*

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	*string*