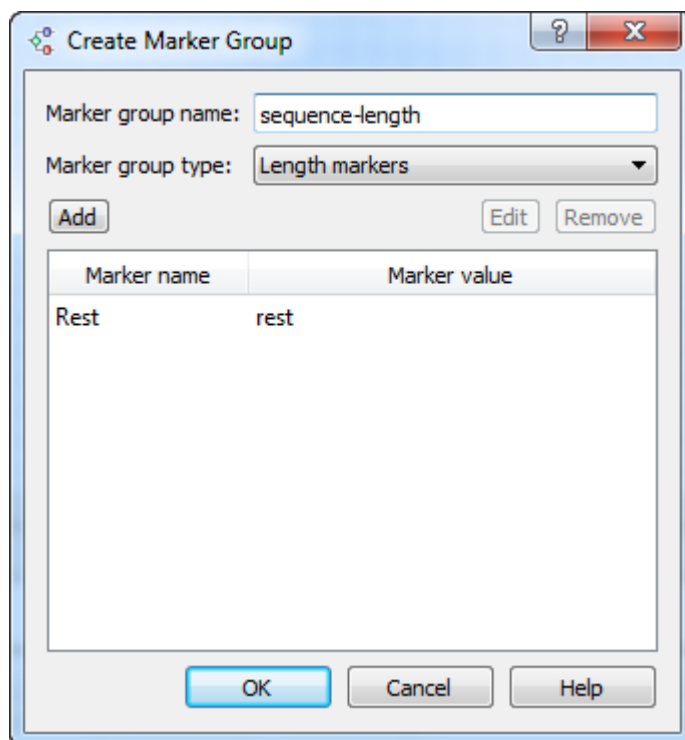


# Sequence Marker Element

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.

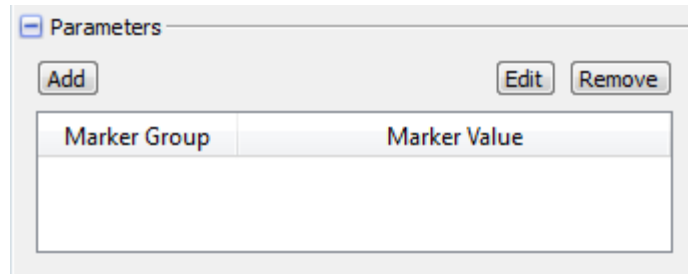
*Qualifier float value markers* — marks a sequence by the number of float qualifiers.

*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	<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>