

# Find Repeats Element

Finds repeats in each supplied sequence, stores found regions as annotations.

**Element type:** repeats-search

## Parameters

Parameter	Description	Default value	Parameter in Workflow File	Type
<b>Annotate as</b> (required)	Name of the result annotation to mark found repeats.	repeat_unit	<b>result-name</b>	<i>string</i>
<b>Algorithm</b>	Control over variations of the algorithm.	Auto	<b>algorithm</b>	<i>numeric</i> Available values are: <ul style="list-style-type: none"><li>• 0 - algorithm choosed automatically</li><li>• 1 - for diagonal algorithm</li><li>• 2 - for suffix index algorithm</li></ul>
<b>Filter nested</b>	Filters nested repeats.	True	<b>filter-nested</b>	<i>boolean</i>
<b>Identity</b>	Repeats identity in percent.	100	<b>identity</b>	<i>numeric</i>
<b>Inverted</b>	Specifies to search for inverted repeats.	False	<b>inverted</b>	<i>boolean</i>
<b>Max distance</b>	Maximum distance between the repeats.	5000	<b>max-distance</b>	<i>numeric</i>
<b>Min distance</b>	Minimum distance between the repeats.	0	<b>min-distance</b>	<i>numeric</i>
<b>Min length</b>	Minimum length of the repeats.	5	<b>min-length</b>	<i>numeric</i>
<b>Parallel threads</b>	Number of parallel threads used for the task.	Auto	<b>threads</b>	<i>numeric</i> 0 - for using autodetected threads number

## Input/Output Ports

The element has 1 *input port*:

**Name in GUI:** *Input sequence*

**Name in Workflow File:** in-sequence

**Slots:**

Slot In GUI	Slot in Workflow File	Type
<b>Sequence</b>	<b>sequence</b>	<i>sequence</i>

And 1 *output port*:

**Name in GUI:** *Repeat annotations*

**Name in Workflow File:** out-annotations

**Slots:**

Slot In GUI	Slot in Workflow File	Type
<b>Set of annotations</b>	<b>annotations</b>	<i>annotation-table</i>