

Find Repeats Element

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

Parameters in GUI

Parameter	Description	Default value
Annotate as (required)	Name of the result annotation to mark found repeats.	repeat_unit
Algorithm	Control over variations of the algorithm.	Auto
Filter nested	Filters nested repeats.	True
Identity	Repeats identity in percents.	100
Inverted	Specifies to search for inverted repeats.	False
Max distance	Maximum distance between the repeats.	5000
Min distance	Minimum distance between the repeats.	0
Min length	Minimum length of the repeats.	5
Parallel threads	Number of parallel threads used for the task.	Auto

Parameters in Workflow File

Type: repeats-search

Parameter	Parameter in the GUI	Type
result-name	Annotate as	string
algorithm	Algorithm	numeric Available values are: • 0 - algorithm choosed automaticly • 1 - for diagonal algorithm • 2 - for suffix index algorithm
filter-nested	Filter nested	boolean
identity	Identity	numeric
max-distance	Max distance	numeric
min-distance	Min distance	numeric
min-length	Min length	numeric
threads	Parallel threads	numeric 0 - for using autotected 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
Sequence	sequence	sequence

And 1 *output port*:

Name in GUI: *Repeat annotations*

Name in Workflow File: out-annotations

Slots:

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