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 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
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**	*annotation-table*