

Tandem Repeats Algorithm Element

The *Tandem repeats element* finds tandem repeats in a supplied sequence, stores found regions as annotations.

Parameters in GUI

Parameter	Description	Default value
Annotate As	Name of the result annotations.	repeate_unit
Direction	See the description here .	Any
Algorithm	The algorithm parameter allows one to select the search algorithm. The default and a fast one is the optimized suffix array algorithm.	Suffix index (optimized)
Min period	Minimum acceptable repeat length measured in base symbols.	1 n
Max period	Maximum acceptable repeat length measured in base symbols.	1000000 n
Min tandem size	The minimum tandem size sets the limit on minimum acceptable length of the tandem, i.e. the minimum total repeats length of the searched tandem.	9
Min repeat count	The minimum number of repeats of a searched tandem.	x3
Search for overlapped tandems	If this parameter is set to <i>True</i> then overlapped tandems should be included into the result.	
Parallel threads	Number of parallel threads used for the task.	Auto

Parameters in Schema File

Type: tandems

Parameter	Parameter in the GUI	Type
key	Annotate As	<i>string</i>
algorithm	Algorithm	<i>string</i> Available values are: • Suffix index • Suffix index (optimized)
min-period	Min period	<i>numeric</i>
max-period	Max period	<i>numeric</i>
min-tandem-size	Min tandem size	<i>numeric</i>
min-repeat-count	Min repeat count	<i>numeric</i>
show-overlapped-tandems	Search for overlapped tandems	<i>boolean</i>
strand	Direction	<i>string</i> Available values are: • complement • direct • both
n-threads	Parallel threads	<i>string</i>