

Find Pattern Element

Searches regions in a sequence similar to a pattern sequence. Outputs a set of annotations.

Element type: search

Parameters

Parameter	Description	Default value	Parameter in Workflow File	Type
Annotate as	Name of the result annotation.	misc_feature	result-name	<i>string</i>
Pattern(s)	Semicolon-separated list of patterns to search for.		pattern	<i>string</i>
Pattern file	Load pattern from file in any sequence format or in newline-delimited format.		pattern_file	<i>string</i>
Use pattern name	If patterns are loaded from a file, use names of pattern sequences as annotation names. The name from the parameters is used by default.	False	use-names	<i>boolean</i>
Max Mismatches	Maximum number of mismatches between a substring and a pattern.	0	max-mismatches-num	<i>numeric</i>
Search in	Specifies which strands should be searched: direct, complementary or both.	both strands	strand	<i>numeric</i> Available values are: • 0 - for searching in both strands • 1 - for searching in direct strand • 2 - for searching in complement strand
Allow Insertions /Deletions	Takes into account possibility of insertions/deletions when searching. By default substitutions are only considered.	False	allow-ins-del	<i>boolean</i>
Support ambiguous bases	Performs correct handling of ambiguous bases. When this option is activated insertions and deletions are not considered.	False	ambiguous	<i>boolean</i>
Search in Translation	Translates a supplied nucleotide sequence to protein and searches in the translated sequence.	False	amino	<i>boolean</i>
Qualifier name for pattern name	Name of qualifier in result annotations which is containing a pattern name.	pattern_name	pattern-name-qual	<i>string</i>

Input/Output Ports

The element has 1 *input port*:

Name in GUI: *Input data*

Name in Workflow File: in-sequence

Slots:

Slot In GUI	Slot in Workflow File	Type
Sequence	sequence	<i>sequence</i>
Plain text	text	<i>string</i>

And 1 *output port*:

Name in GUI: *Pattern annotations*

Name in Workflow File: out-annotations

Slots:

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