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**	*string*
Pattern(s)	Semicolon-separated list of patterns to search for.		**pattern**	*string*
Pattern file	Load pattern from file in any sequence format or in newline-delimited format.		**pattern_file**	*string*
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**	*boolean*
Max Mismatches	Maximum number of mismatches between a substring and a pattern.	0	**max-mismatches-num**	*numeric*
Search in	Specifies which strands should be searched: direct, complementary or both.	both strands	**strand**	*numeric* 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**	*boolean*
Support ambiguous bases	Performs correct handling of ambiguous bases. When this option is activated insertions and deletions are not considered.	False	**ambiguous**	*boolean*
Search in Translation	Translates a supplied nucleotide sequence to protein and searches in the translated sequence.	False	**amino**	*boolean*
Qualifier name for pattern name	Name of qualifier in result annotations which is containing a pattern name.	pattern_name	**pattern-name-qual**	*string*

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**	*sequence*
Plain text	**text**	*string*

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**	*annotation-table*