

# HMM2 Algorithm Element

Searches HMM signals in a sequence with one or more profile HMM2 and saves the results as annotations.

## Parameters in GUI

Parameter	Description	Default value
<b>Profile HMM</b>	Semicolon-separated list of input HMM files.	You must specify a value!
<b>Min Length</b>	Minimum length of a result region.	10
<b>Max Length</b>	Maximum length of a result region.	1000
<b>Filter by High E-value</b>	Reports domains $\leq$ this E-value threshold in output ( <b>hmmsearch-domE</b> option).	1e+1
<b>Filter by Low Score</b>	Reports domains $\geq$ this score cutoff in output ( <b>hmmsearch-domT</b> option).	0.01
<b>Number of Sequences</b>	Specifies number of significant sequences. It is used for domain E-value calculations ( <b>hmmsearch-domZ</b> option).	1 (i.e. one input sequence)

## Parameters in Schema File

Type: hmm2

Parameter	Parameter in the GUI	Type
min-len	Min Length	string
max-len	Max Length	string
hmm-profile	Profile HMM	string
e-val	Filter by High E-value	numeric
score	Filter by Low Score	numeric
seqs-num	Number of Sequences	numeric