

Build SITECON Model Element

Builds statistical profile for SITECON. The SITECON is a program for probabilistic recognition of transcription factor binding sites.

Element type: sitecon-build

Parameters

Parameter	Description	Default value	Parameter in Workflow File	Type
Weight algorithm	Optional feature, in most cases applying no weight will fit. In some cases choosing algorithm 2 will increase the recognition quality.	None	weight-algorithm	<i>boolean</i> Available values are: <ul style="list-style-type: none">• 0 - for N one• 1 - for Al go rit h m2
Window size, bp	Window is used to pick out the most important alignment region and is located at the center of the alignment. Must be: windows size is not greater than TFBS alignment length, recommended: windows size is not greater than 50 bp.	40	window-size	<i>numeric</i>
Calibration length	Length of random synthetic sequences used to calibrate the profile. Should not be less than window size.	1M	calibrate-length	<i>numeric</i>
Random seed	The random seed, where is a positive integer. You can use this option to generate reproducible results for different runs on the same data.	0	seed	<i>numeric</i>

Input/Output Ports

The element has 1 *input port*.

Name in GUI: *Input alignment*

Name in Workflow File: in-msa

Slots:

Slot In GUI	Slot in Workflow File	Type
MSA	msa	<i>msa</i>
Origin	url	<i>string</i>

And 1 *output port*:

Name in GUI: *Sitecon model*

Name in Workflow File: out-sitecon

Slots:

Slot In GUI	Slot in Workflow File	Type
Sitecon model	sitecon-model	<i>sitecon-model</i>