Build Frequency Matrix Element

Builds a frequency matrix. Frequency matrices are used for probabilistic recognition of transcription factor binding sites.

Parameters in GUI

Parameter	Description	Default value
Matrix type	Dinucleic matrices are more detailed, while mononucleic one are more useful for small input data sets.	Mononucleic

Parameters in Workflowa File

Type: fmatrix-build

Parameter	Parameter in the GUI	Type
type	**Matrix type**	*boolean* Available values are: • true - for Dinucleic • false - for Mononucleic

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**	*msa*

And 1 *output port*:

Name in GUI: *Frequency matrix*

Name in Workflow File: out-fmatrix

Slots:

Slot In GUI	Slot in Workflow File	Type
Frequency matrix	**fmatrix**	*fmatrix*