

# Build Frequency Matrix Element

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

**Element type:** fmatrix-build

## Parameters

Parameter	Description	Default value	Parameter in Workflow File	Type
<b>Matrix type</b>	Dinucleic matrices are more detailed, while mononucleic one are more useful for small input data sets.	Mononucleic	<b>type</b>	<i>boolean</i> Available values are: <ul style="list-style-type: none"><li>• true - for Dinucleic</li><li>• false - for Mononucleic</li></ul>

## 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