MEME
Multiple Em for Motif Elicitation

For further information on how to interpret these results please access https://meme-suite.org/meme/doc/meme.html.
To get a copy of the MEME software please access https://meme-suite.org.

If you use MEME in your research, please cite the following paper:
Timothy L. Bailey and Charles Elkan, "Fitting a mixture model by expectation maximization to discover motifs in biopolymers", *Proceedings of the Second International Conference on Intelligent Systems for Molecular Biology*, pp. 28-36, AAAI Press, Menlo Park, California, 1994. [pdf]

Discovered Motifs | **Motif Locations** | **Inputs & Settings** | **Program Information** | **Results in Text Format** [?] | **Results in XML Format** [?]

Discovered Motifs

	Logo	E-value [?]	Sites [?]	Width [?]	More [?]	Submit/Download [?]
1.		7.7e+002	9	20	I	⋯→

Stopped because requested number of motifs (1) found.

Motif Locations

○ Only Motif Sites [?] ○ Motif Sites+Scanned Sites [?] ○ All Sequences [?]   [Download PDF] [?] [Download SVG] [?]

	Name [?]	*p*-value [?]	Motif Locations [?]
6.	Rv0569	1.28e-4	
7.	Rv0570	8.85e-6	
14.	Rv1996	4.23e-6	
20.	Rv2031c	6.18e-5	
22.	Rv2623	4.88e-5	
23.	Rv2625c	1.77e-4	
24.	Rv2626c	1.04e-4	
31.	Rv3130c	6.18e-5	
34.	Rv3134c	6.77e-9	

Inputs & Settings

Sequences

Role	Source [?]	Alphabet [?]	Sequence Count [?]	Total Size [?]
Primary Sequences	upstream25.txt	DNA	36	900

Background Model

Source: built from the (primary) sequences

Order: 0

Name [?]	Freq. [?]	Bg. [?]			Bg. [?]	Freq. [?]	Name [?]
Adenine	0.203	0.203	A	~ T	0.203	0.203	Thymine
Cytosine	0.297	0.297	C	~ G	0.297	0.297	Guanine

Other Settings

Motif Site Distribution	ZOOPS: Zero or one site per sequence
Objective Function	E-value of product of p-values
Starting Point Function	E-value of product of p-values
Site Strand Handling	Sites may be on either strand
Maximum Number of Motifs	1
Motif E-value Threshold	no limit
Minimum Motif Width	20
Maximum Motif Width	20
Minimum Sites per Motif	2
Maximum Sites per Motif	36

Show Advanced Settings

Command line
```
meme upstream25.txt -dna -oc . -nostatus -time 14400 -mod zoops -nmotifs 1 -minw 20 -maxw 20 -objfun classic -revcomp -markov_order 0
```