

For further information on how to interpret these results https://meme-suite.org/meme/doc/mast.html.

To get a copy of the MEME software please access https://meme-suite.org.

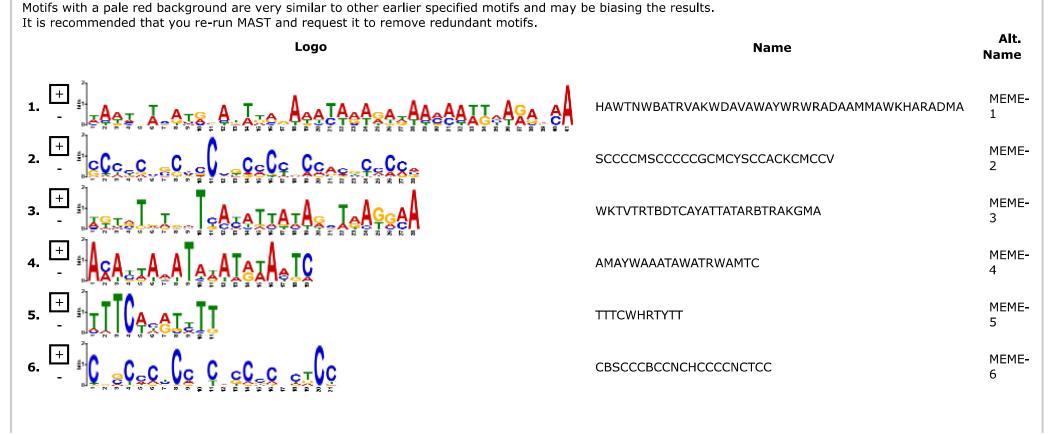
If you use MAST in your research, please cite the following paper:

Timothy L. Bailey and Michael Gribskov, "Combining evidence using p-values: application to sequence homology searches", Bioinformatics, 14(1):48-54, 1998. [full text]

MOTIFS | SEARCH RESULTS | INPUTS & SETTINGS | PROGRAM INFORMATION | RESULTS IN TEXT FORMAT | RESULTS IN XML FORMAT

Motifs Next Top

Makifa wikh a pala and hardway and are your similar to other and in a patifa and may be bigging the wearth.



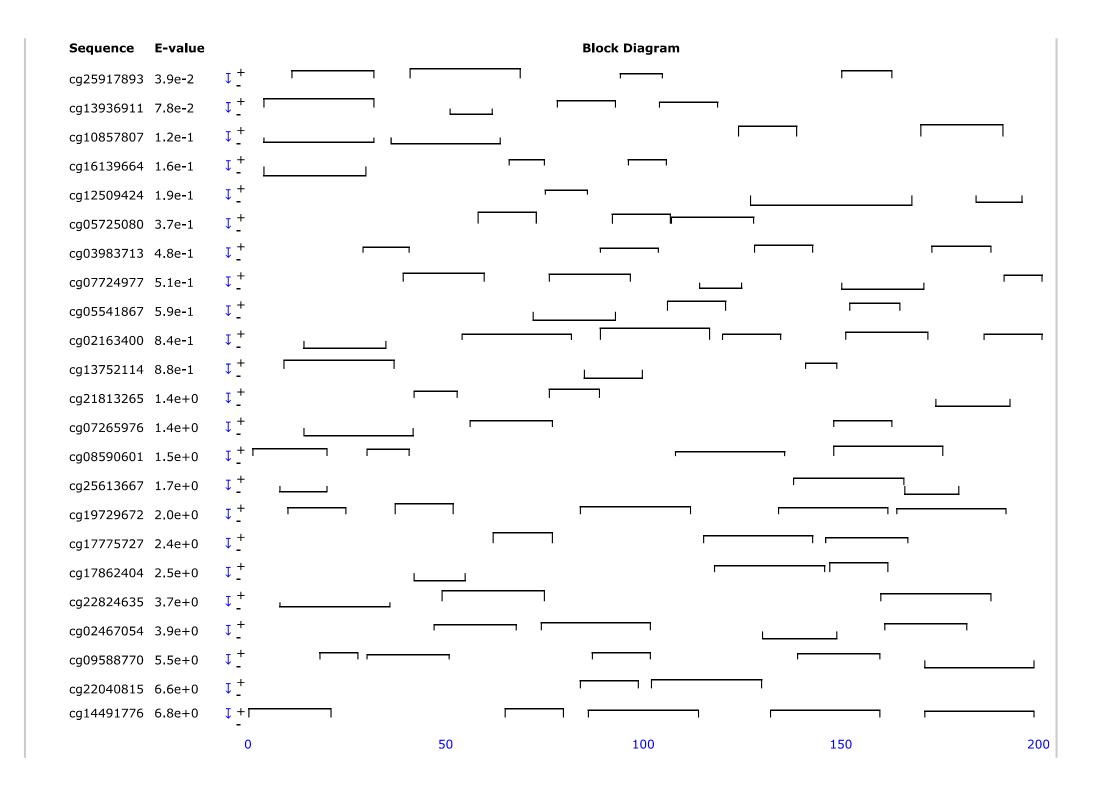
Logo	Name	Alt. Name
	AAAWRTTYKTGWTWG	MEME- 7
	TTAAGTWSAGAA	MEME- 8
	ATAMAAAGSTCAVTTCCMAWGATBNT	MEME- 9
	TWWTWTAGMAGWAGCAARA	MEME- 10
	CCCGCSCCCGCCCSG	MEME- 11
	ARWCCYCACASAVGC	MEME- 12
13. + 10 A C C C C C C C C C C C C C C C C C C	CBMCTCTCAGGAA	MEME- 13
14. + JICATCTAAGAA	TCWTCTAAGAA	MEME- 14
15. + 1 TOT GAMAT	TGTGAAAT	MEME- 15
	ATCTAGARAA	MEME - 16
	ATAAWAT	MEME- 17
18 JOZGCACCACGACCAC	CTGCACCACGAYCAC	MEME- 18

Logo	Name	Alt. Name
19. + ACACATICA	AGASACATTCA	MEME- 19
	TTMTTCCTCTYAMA	MEME- 20
21. +	AAATGA	MEME- 21
	AACTSATGAA	MEME- 22
23. + j TTTGCACTGCT	TTTGCACTGCT	MEME- 23
24. +	AGCTATTKTT	MEME- 24
25. +	TTTWGAAT	MEME- 25
26. + AATCTTGAGÇA	AAWCTTGAGCA	MEME- 26
27. +	AATAWCCTT	MEME- 27
28. + A A A A A A A A A A A A A A A A A A	ATRAMGTAAT	MEME- 28
29. + 2]	TWTTAWTT	MEME- 29
30. + 2 TGAATGT	TGAAATGT	MEME- 30

SEARCH RESULTS

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Top Scoring Sequences Each of the following 37 sequences has an *E*-value less than 10. The motif matches shown have a position p-value less than 0.0001. **Hover the cursor** over the sequence name to view more information about a sequence. **Hover the cursor** over a motif for more information about the match. **Click on the arrow** (\mathbb{I}) next to the *E*-value to see the sequence surrounding each match. ☐ HAWTNWBATRVAKWDAVAWAYWRWRADAAMMAWKHARADMA ☐ SCCCCMSCCCCGCMCYSCCACKCMCCV ☐ WKTVTRTBDTCAYATTATARBTRAKGMA ☐ AMAYWAAATAWATRWAMTC ☐ TTTCWHRTYTT ☐ CBSCCCBCCNCHCCCCNCTCC ☐ AAAWRTTYKTGWTWG ☐ TTAAGTWSAGAA ☐ ATAMAAAGSTCAVTTCCMAWGATBNT ☐ TWWTWTAGMAGWAGCAARA ☐ CCCGCSCCCGCCCSG ☐ ARWCCYCACASAVGC ☐ CBMCTCTCAGGAA TCWTCTAAGAA TGTGAAAT ATCTAGARAA ATAAWAT CTGCACCACGAYCAC AGASACATTCA TTMTTCCTCTYAMA AAATGA AACTSATGAA | TITGCACTGCT | AGCTATTKTT | TITWGAAT | AAWCTTGAGCA | AATAWCCTT | ATRAMGTAAT | TWTTAWTT | TGAAATGT Sequence E-value **Block Diagram** cq00957886 8.6e-17 cq02632822 1.6e-13 cg04156077 1.3e-10 cq17040924 2.1e-10 cq02573152 3.1e-10 cg07747690 1.3e-6 cg00896220 2.4e-6 cg24872610 2.9e-6 cg19931348 4.8e-5 cg12500857 2.3e-4 cg10637260 3.9e-3 cg20667822 6.6e-3 cg03532422 1.5e-2 50 100 150 200



Sequence	E-value					Block Diagram				
cg0936867	0 7.4e+0	;								
		0		5	50	100	150	200		
☐ HAWTNWBATRVAKWDAVAWAYWRWRADAAMMAWKHARADMA ☐ SCCCCMSCCCCGCMCYSCCACKCMCCV ☐ WKTVTRTBDTCAYATTATARBTRAKGMA										
ATAMAAAGSTCAVTTCCMAWGATBNT TWWTWTAGMAGWAGCAARA CCCGCSCCCGCCCSG ARWCCYCACASAVGC CBMCTCTCAGGAA										
	☐ TCWTCTAAGAA ☐ TGTGAAAT ☐ ATCTAGARAA ☐ ATAAWAT ☐ CTGCACCACGAYCAC ☐ AGASACATTCA ☐ TTMTTCCTCTYAMA ☐ AAATGA									
AAC	TSATGAA 🗌 TTT	GCACTGCT	AG	СТАТТКТТ 🗌	TTTWGAAT	☐ AAWCTTGAGCA ☐ AATAWCCT	T	TGAAATGT		
INPUTS & SE	TTINGS							Prev Next Top		
Alphabet										
Background	Source: an old ve	ersion of th	e NCBI	non-redundan	t database					
Name	Bg.			Bg.	Name					
Adenine	0.274262	A ~ C ~	T G	0.274262	Thymine					
Cytosine	0.22521	C ~	G	0.22521	Guanine					
Sequences										
The following	ig sequence datab	ase was sı	ipplied t	o MAST.						
Database		Sequen	ce Coun	t Residue	Count	Last Modified				
dmp_cpg_	_sequences.fasta Total	75 75		15075 15075		Fri Jun 20 07:54:51 2025				
	iotai	/3		130/3						
Motifs										
The following motif database was supplied to MAST.										
Database meme.xm			25							

Other Settings

Strand Handling

The result of scanning both strands is **combined**. When matches overlap the non-overlapping combination with the best p-value is

shown.

Max CorrelationMotifs with a correlation greater than **0.6** are marked for potential removal dependant on the --remcorr option. **Remove Correlated**Correlated motifs exceeding the threshold are **highlighted** and their removal is recommended.

Remove Correlated
Max Sequence Evalue

Sequences with an *E*-value less than **10** are included in the output.

Adjust Hit *p*-value

The hit *p*-value is **not adjusted** for the length of the sequence.

Displayed Hits

The p-value of a hit must be less than **0.0001** to be shown in the output.

Displayed Weak Hits Weak hits are **not displayed**.

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MAST version 5.5.8

(Release date: Thu May 15 15:01:46 2025 -0700)

Reference

Timothy L. Bailey and Michael Gribskov, "Combining evidence using p-values: application to sequence homology searches", Bioinformatics, 14(1):48-54, 1998. [full text]

Command line summary

mast -oc . -nostatus meme.xml dmp_cpg_sequences.fasta

Ran in 0.08 seconds on Fri Jun 20 08:03:00 2025 on noble-meme.grid.gs.washington.edu