

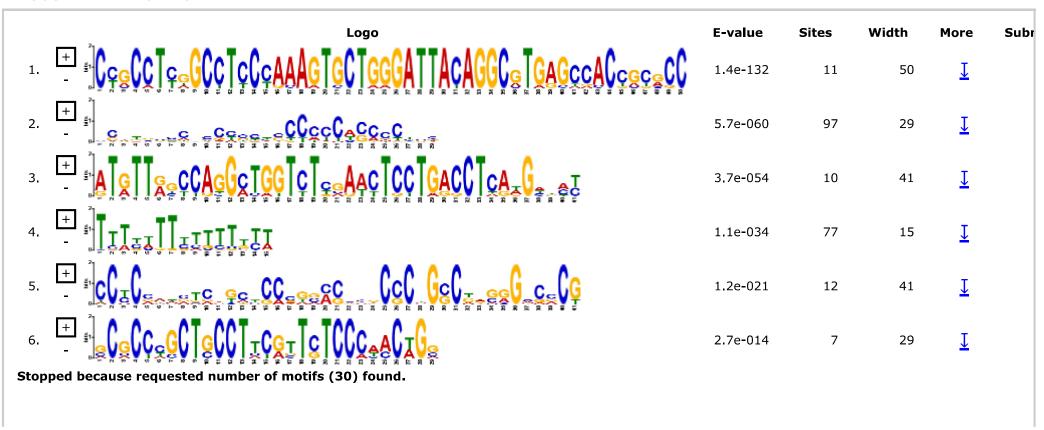
For further information on how to interpret these results please access <a href="https://meme-suite.org/meme/doc/meme.html">https://meme-suite.org/meme/doc/meme.html</a>. To get a copy of the MEME software please access <a href="https://meme-suite.org">https://meme-suite.org</a>.

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. [full text]

DISCOVERED MOTIFS | MOTIF LOCATIONS | INPUTS & SETTINGS | PROGRAM INFORMATION | RESULTS IN TEXT FORMAT | RESULTS IN XML FORMAT

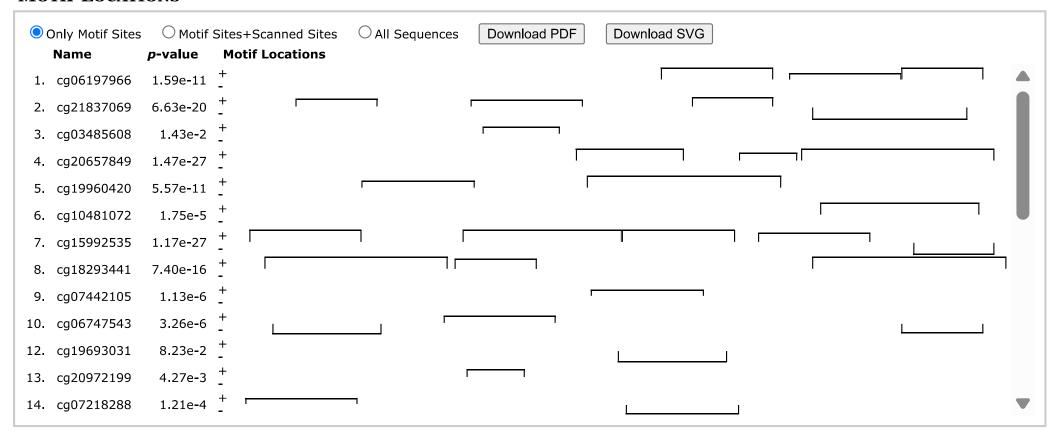
## **DISCOVERED MOTIFS**



Logo	E-value	Sites	Width	More	Subr
	5.4e <b>-</b> 013	5	29	Ī	
8. ####################################	5.0e <b>-</b> 012	4	50	Ī	
9. + Jeggggggggggggggggggggggggggggggggggg	3.0e-005	22	21	Ī	
10. + JAGCACCETATION TO THE STATE OF THE STA	3.8e-001	4	50	Ī	
11. + JUTA CEA CALL AND CALL A	2.3e+001	5	35	Ī	
12. + JOACT TACACCO AS CASTES TO TECHNOLOGY AS A CONTROL OF THE PROPERTY OF TH	8.3e+000	5	41	Ī	
	1.3e <b>-</b> 003	14	47	Ī	
14. + JAAAA S. GCIIII I I I I I I I I I I I I I I I I	5.7e-001	24	20	Ī	
15. + JIGA A SATAAC COCCECTS SA SA CONTRACTOR SA CONTRACTO	6.7e-001	6	49	Ī	
16. H JI TICCETC SEAS SEED SEAS SEED SEED SEED SEED SEED	2.4e+000	6	49	Ī	
17. + INT INT INTERIOR TO THE PARTY OF THE P	3.5e+001	9	29	Ī	
18. + AMASASSATICACIGANISA GGGC	8.8e+000	7	29	Ī	
Stopped because requested number of motifs (30) found.					

Logo	E-value	Sites	Width	More	Subr
19 JGRAGCAGARE RAG	1.1e+002	29	15	$\overline{1}$	
	3.9e+001	19	21	$\overline{1}$	
21. + JJACA & CCA & AAACA & CCA & AAACA & CA	2.0e+002	5	40	$\overline{1}$	
22. + Jecque Ciil + Aporto	3.2e+002	8	28	$\overline{1}$	
23 CCA IG GI AC GO I CCA IG GO I COM I	3.0e+002	15	29	$\overline{1}$	
24. + GELTCLETE GOAGCCE GEG	3.5e+003	9	28	$\overline{1}$	
25. + LAGER C AUGACCACACA REPORT	2.6e+002	11	21	$\overline{1}$	
26. + Jecht Carling Control of the second se	7.2e+003	5	41	$\overline{1}$	
27 JGCAGACAGA-G	2.4e+004	11	15	$\overline{1}$	
28. + Jesesson Sand Care Age Care See See See See See See See See See S	1.3e+005	11	50	$\overline{1}$	
	6.8e+002	15	21	$\overline{1}$	
30 JONGAGGEGTGE TORONGE CARACAC	1.5e+004	5	21	$\overline{1}$	
Stopped because requested number of motifs (30) found.					

# **MOTIF LOCATIONS**



# **INPUTS & SETTINGS**

Role	Source	<b>Alphabet</b>	<b>Sequence Count</b>	Total Size	
Primary Sequences	UC_dmp_cpg_sequences.fasta	DNA	334	67134	
ackground Model					

#### Order: 0

Name	Freq.	Bg.				Bg.	Freq.	Name
Adenine	0.272	0.272	A	~	T	0.272	0.272	Thymine
Cytosine	0.228	0.229	C	~	G	0.229	0.228	Guanine

### **Other Settings**

**Motif Site Distribution** ZOOPS: Zero or one site per sequence

Objective FunctionE-value of product of p-valuesStarting Point FunctionE-value of product of p-valuesSite Strand HandlingSites may be on either strand

Maximum Number of Motifs 30
Motif E-value Threshold no limit
Minimum Motif Width 6

Maximum Motif Width 50
Minimum Sites per Motif 2
Maximum Sites per Motif 334

**Show Advanced Settings** 

#### **MEME** version

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

### Reference

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. [full text]

### **Command line**

meme UC\_dmp\_cpg\_sequences.fasta -dna -oc . -nostatus -time 14400 -mod zoops -nmotifs 30 -minw 6 -maxw 50 -objfun classic -revcomp - markov order 0