



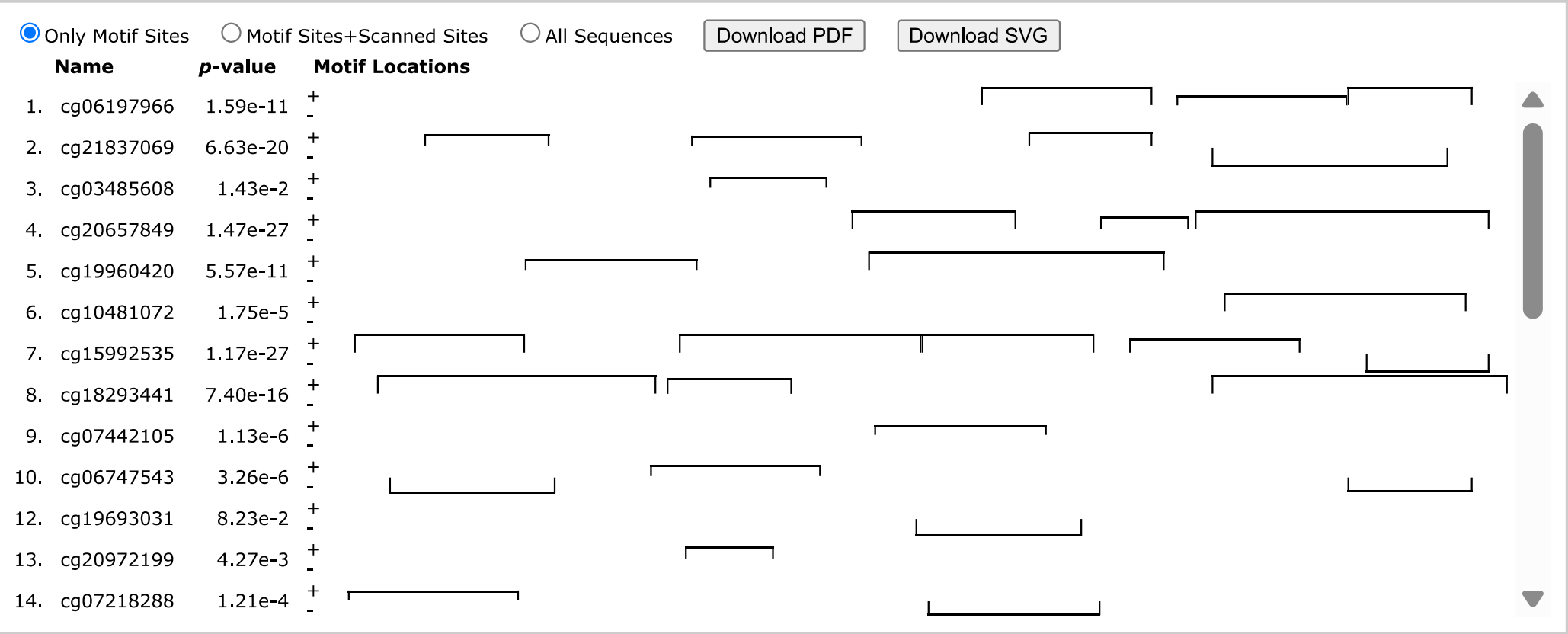
For further information on how to interpret these results please access <https://meme-suite.org/meme/doc/meme.html>.
To get a copy of the MEME software please access <https://meme-suite.org>.

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

Sequences				
Role	Source	Alphabet	Sequence Count	Total Size
Primary Sequences	UC_dmp_cpg_sequences.fasta	DNA	334	67134
Background Model				
Source: built from the (primary) sequences				

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 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	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



