03-03-2023 09:40 MEME Results



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

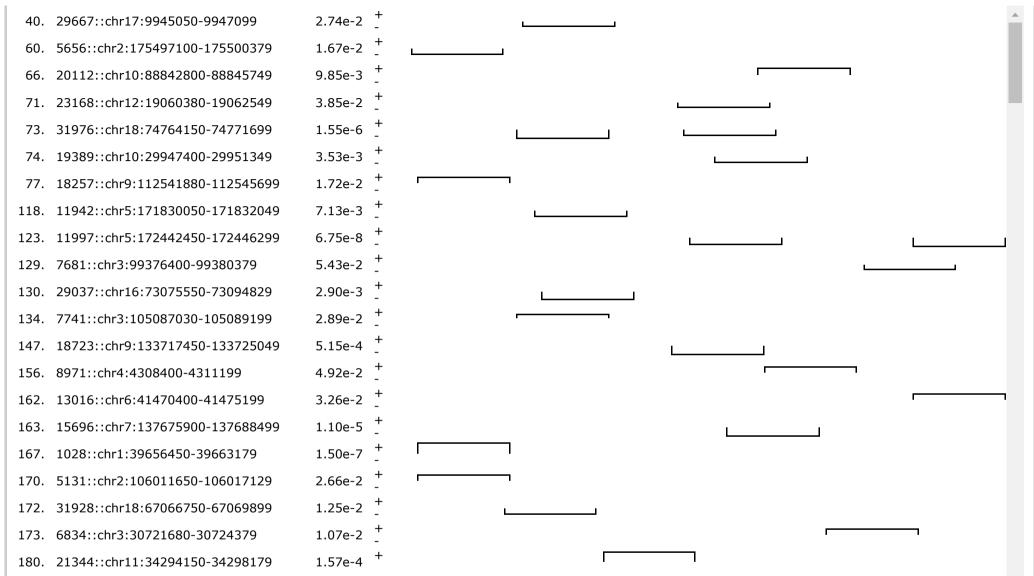
# **DISCOVERED MOTIFS**

Logo	E-value	Sites	Width	More	Submit/Download
	1.3e-068	96	15	Ī	<u></u> >
	2.2e-014	92	15	Ī	<u></u> >
3. = OCTGGGAIJAÇAGGC	3.1e-028	20	15	Ī	<u></u> >
Stopped because requested number of	motifs (3) f	ound.			

### **MOTIF LOCATIONS**

<ul><li>Only Motif Sites</li><li>Name</li><li>Motif Sites+Scar</li></ul>	ned Sites O All Sequences Download PDF Download SVG  p-value Motif Locations	
6. 3707::chr2:1654950-1661929	1.66e-2 _	
33. 34715::chr21:36256180-36261749	3.41e-3 <sup>+</sup>	

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# **INPUTS & SETTINGS**

<b>Sequences</b>
------------------

Primary Sequences ./seqs-centered DNA	<b>Sequence Count</b> 958	<b>Total Size</b> 95800
Background Model		
Source: the file './background'		
Order: 2 (only order-0 shown)		
Name Freq. Bg. Bg.	Freq.	Name
Adenine 0.258 0.267 <b>A</b> ~ <b>T</b> 0.26	7 0.258	Thymine
Cytosine 0.242 0.233 C ~ G 0.23	3 0.242	Guanine
Other Settings		

**Starting Point Function** E-value of product of p-values **Site Strand Handling** Sites may be on either strand

**Maximum Number of Motifs** 3

**Motif E-value Threshold** no limit **Minimum Motif Width** 6

15 **Maximum Motif Width Minimum Sites per Motif** 2 **Maximum Sites per Motif** 958

**Show Advanced Settings** 

#### **MEME** version

5.5.1 (Release date: Sun Jan 29 10:33:12 2023 -0800)

#### 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 ./seqs-centered -oc meme\_out -mod zoops -nmotifs 3 -minw 6 -maxw 15 -bfile ./background -dna -searchsize 100000 -time 2919 -revcomp - nostatus