

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

If you use MEME-ChIP in your research, please cite the following paper:

Philip Machanick and Timothy L. Bailey, "MEME-ChIP: motif analysis of large DNA datasets", Bioinformatics 27(12):1696-1697, 2011. [full text]

MOTIFS | PROGRAMS | INPUT FILES | PROGRAM INFORMATION | SUMMARY IN TSV FORMAT | MOTIFS IN MEME TEXT FORMAT

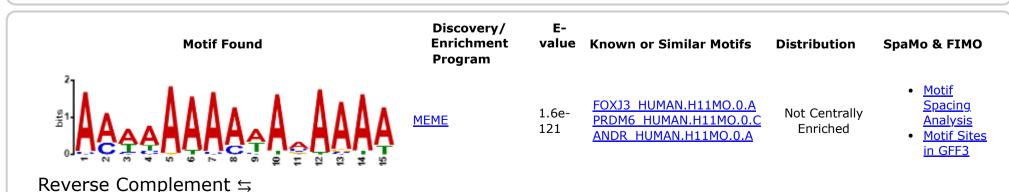
DESCRIPTION

Hypoacetylated regions

MOTIFS

The significant motifs (E-value ≤ 0.05) found by the programs MEME, STREME and CentriMo; clustered by similarity and ordered by E-value.

Expand All Clusters Collapse All Clusters



Motif Found	Discovery/ Enrichment Program	E- value	Known or Similar Motifs	Distribution	SpaMo & FIMO
Reverse Complement	<u>MEME</u>	6.4e- 068	ZN770 HUMAN.H11MO.0.C IKZF1 HUMAN.H11MO.0.C	Not Centrally Enriched	 Motif Spacing Analysis Motif Site in GFF3
	Discovery/ Enrichment	E- value	Known or Similar Motifs	Distribution	SpaMo & FIMO
Motif Found	Program	value		Distribution	Spanio & Fini

PROGRAMS

Reverse Complement \leftrightarrows

Command	Running Time	Status	Outputs
<pre>getsize ./Galaxy7-hypoacetylation_fasta.fasta 1> \$metrics</pre>	0.08s	Success	
fasta-most -min 50 < ./Galaxy7-hypoacetylation_fasta.fasta 1> \$metrics	0.13s	Success	
fasta-center -dna -len 100 < ./Galaxy7-hypoacetylation_fasta.fasta 1> ./seqs-centered	0.19s	Success	• <u>seqs-centered</u>
fasta-get-markov -nostatus -nosummary -dna -m 2 ./Galaxy7-hypoacetylation_fasta.fasta ./background	0.06s	Success	• <u>Background</u>
meme ./seqs-centered -oc meme_out -mod zoops -nmotifs 3 -minw 6 -maxw 15 -bfile ./background -dna -searchsize 100000 -time 2919 -revcomp -nostatus	18m 54.80s	Success	MEME HTMLMEME textMEME XML

in GFF3

Command	Running Time	Status	Outputs
streme verbosity 1oc streme_out -dnap ./seqs-centeredminw 6maxw 15time 5707order 2thresh 0.05totallength 4000000	10.02s	Success	STREME HTMLSTREME textSTREME XML
centrimo -seqlen 2049 -verbosity 1 -oc centrimo_out -bfile ./background -score 5.0 -ethresh 10.0 ./Galaxy7-hypoacetylation_fasta.fasta meme_out/meme.xml streme_out/streme.xml db/motif_databases/HUMAN/HOCOMOCOv11_core_HUMAN_mono_meme_format.meme	1.40s	<u>Warnings</u>	<u>CentriMo HTML</u>
tomtom -verbosity 1 -oc meme_tomtom_out -min-overlap 5 -dist pearson -evalue -thresh 1 - no-ssc meme_out/meme.xml db/motif_databases/HUMAN/HOCOMOCOv11_core_HUMAN_mono_meme_format.meme	2.51s	Success	<u>Tomtom HTML</u><u>Tomtom TSV</u><u>Tomtom XML</u>
tomtom -verbosity 1 -oc streme_tomtom_out -min-overlap 5 -dist pearson -evalue -thresh 1 - no-ssc streme_out/streme.xml db/motif_databases/HUMAN/HOCOMOCOv11_core_HUMAN_mono_meme_format.meme	2.29s	Success	<u>Tomtom HTML</u><u>Tomtom TSV</u><u>Tomtom XML</u>
tomtom -verbosity 1 -text -thresh 0.1 ./combined.meme ./combined.meme 1> ./motif_alignment.txt	0.04s	Success	• <u>Motif Alignment</u>
spamo -verbosity 1 -oc spamo_out_1 -bgfile ./background -keepprimary -primary AAWAAAAAWAAAAAA ./Galaxy7-hypoacetylation_fasta.fasta meme_out/meme.xml meme_out/meme.xml streme_out/streme.xml	1.63s	Success	• <u>SpaMo HTML</u>
spamo -verbosity 1 -oc spamo_out_2 -bgfile ./background -keepprimary -primary CCTYRGCCTCCCRAR ./Galaxy7-hypoacetylation_fasta.fasta meme_out/meme.xml meme_out/meme.xml streme_out/streme.xml	1.55s	Success	• <u>SpaMo HTML</u>
spamo -verbosity 1 -oc spamo_out_3 -bgfile ./background -keepprimary -primary GCTGGGATTACAGGC ./Galaxy7-hypoacetylation_fasta.fasta meme_out/meme.xml meme_out/meme.xml streme_out/streme.xml	1.26s	Success	• <u>SpaMo HTML</u>
fimo parse-genomic-coordverbosity 1oc fimo_out_1bgfile ./backgroundmotif AAWAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	6.69s	Success	FIMO GFFFIMO HTMLFIMO TSV
fimo parse-genomic-coordverbosity 1oc fimo_out_2bgfile ./backgroundmotif CCTYRGCCTCCCRAR meme_out/meme.xml ./Galaxy7-hypoacetylation_fasta.fasta	6.52s	Success	FIMO GFFFIMO HTMLFIMO TSV
fimo parse-genomic-coordverbosity 1oc fimo_out_3bgfile ./backgroundmotif GCTGGGATTACAGGC meme_out/meme.xml ./Galaxy7-hypoacetylation_fasta.fasta	6.44s	Success	FIMO GFFFIMO HTMLFIMO TSV

INPUT FILES

Alphabet

Background source: built from the (primary) sequences

Primary Sequences

Database Source Sequence Count

Galaxy7-hypoacetylation fasta Galaxy7-hypoacetylation_fasta.fasta 1148

Motifs

Database Source Motif Count

HOCOMOCOv11 core HUMAN mono meme format db/motif_databases/HUMAN/HOCOMOCOv11_core_HUMAN_mono_meme_format.meme 401

MEME-ChIP version

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

Reference

Philip Machanick and Timothy L. Bailey, "MEME-ChIP: motif analysis of large DNA datasets", Bioinformatics 27(12):1696-1697, 2011. [full text]

Command line summary

meme-chip -oc . -time 240 -ccut 100 -fdesc description -dna -order 2 -minw 6 -maxw 15 -db db/motif_databases/HUMAN/HOCOMOCOv11_core_HUMAN_mono_meme_format.meme -meme-mod zoops -meme-nmotifs 3 -meme-searchsize 100000 -streme-pvt 0.05 -streme-totallength 4000000 -centrimo-score 5.0 -centrimo-ethresh 10.0 Galaxy7-hypoacetylation_fasta.fasta