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For further information on how to interpret these results please access http://meme-suite.org//doc/meme-chip-output-format.html. To get a copy of the MEME software please access http://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, 2712, 1696-1697, 2011. [full text]

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

IFS					
significant motifs (E-value ≤ 0.05) found by the programs MEME, DREME and CentriMo; clustered b	y similarity and ordered by E-value.				
Expand All Clusters Collapse All Clusters Motif Found	Discourse /Family beauty Brown	F	Known or Similar Motifs	Distribution	CM- 8 FIMO
and the second s	Discovery/Enrichment Program DREME	1.5e-182	Sox2 (MA0143.3) Sox3 (MA0514.1) SOX15 (MA1152.1)	Not Centrally Enriched	SpaMo & FIMO Motif Spacing Analysi Motif Sites in GFF3
	DREME	2.7e-073	SOX10 (MA0442.2) SOX18 full 1	Not Centrally Enriched	
	DREME	4.5e-013	SOX15 (MA1152.1) SOX10 (MA0442.2) Fox11_secondary (UP00061_2)	Not Centrally Enriched	
Reverse Complement Show Less 1 Motif Found	Discovery/Enrichment Program	E-value	Known or Similar Motifs	Distribution	SpaMo & FIMO
ŢŢŶĠĊŊŢŢŖŢŶŢŶ	меме	7.7e-182	Pou5f1::Sox2 (MA0142.1) POU2F3 DBD 1 POU5F1P1 DBD 1	Not Centrally Enriched	Motif Spacing Analysi Motif Sites in GFF3
	DREME	2.7e-151	POUSF1P1 DBD 1 POUSF1B (MA0792.1) POU3F1 DBD 1	Not Centrally Enriched	
	DREME	2.2e-036	Pou2f2_DBD_2 POU2F3_DBD_1 POU5F1P1_DBD_1	Not Centrally Enriched	
* AGERAARIGETARIE	меме	1.4e-020	Sox6 (MA0515.1) SOX15 (MA1152.1) Sox3 (MA0514.1)	Not Centrally Enriched	
Everse Complement ⇔ Show Less 1	DREME	1.2e-018	POU5F1P1 DBD 1 POU5F1B (MA0792.1) POU2F3 DBD 1	Not Centrally Enriched	
Motif Found	Discovery/Enrichment Program	E-value	Known or Similar Motifs	Distribution	SpaMo & FIMO
	DREME	4.2e-163	Zic1 secondary (UP00102 2) Zic3 secondary (UP00006 2) Zic2 secondary (UP00057 2)	Not Centrally Enriched	Motif Spacing Analys Motif Sites in GFF3
	DREME	3.4e-060	Tcfe2a_primary_(UP00046_1)	Not Centrally Enriched	
	DREME	7.9e-014	Ascl2 (MA0816.1) Ascl2 DBD NHLH1 DBD	Not Centrally Enriched	
z J JCCTGAG	DREME	4.1e-006	BACH2 (MA1101.1) Nfe2l2 (MA0150.2) MAF::NFE2 (MA0501.1)	Not Centrally Enriched	
	DREME	2.7e-002	CTCF (MA0139.1) CTCF full	Not Centrally Enriched	
Reverse Complement Show Less 1					
Motif Found	Discovery/Enrichment Program DREME	E-value 2.4e-086	Known or Similar Motifs	Distribution Not Centrally Enriched	SpaMo & FIMO Motif Spacing Analys Motif Sites in GFF3
Reverse Complement ⇒					
Motif Found	Discovery/Enrichment Program DREME	E-value 1.2e-052	Known or Similar Motifs BSX_DBD BSX_(MA0876.1) BARX1_DBD_2	Distribution Not Centrally Enriched	SpaMo & FIMO Motif Spacing Analys Motif Sites in GFF3
ها المالية الهالية اله Reverse Complement ⇔					

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20 -	Motif Found	Discovery/Enrichment Program	E-value	Known or Similar Motifs	Distribution	SpaMo & FIMO
		DREME	5.9e-048	SP1 (MA0079.3) SP2 (MA0516.1) ZNF263 (MA0528.1)	Not Centrally Enriched	<u>Motif Spacing Analysis</u><u>Motif Sites in GFF3</u>
a COCCECCC		DREME	3.6e-014	SP1 (MA0079.3) Zfp410 secondary (UP00033 2) KLF5 (MA0599.1)	Not Centrally Enriched	
		DREME	1.5e-004	Sp4_primary_(UP00002_1) CTCF_full CTCF_(MA0139.1)	Not Centrally Enriched	
F OCCOURGE		DREME	3.6e-004		Not Centrally Enriched	
Reverse Complement ⇒ Sho	w Less 1					
Reverse Complement ⇔	Motif Found	Discovery/Enrichment Program DREME	E-value 2.1e-031	Known or Similar Motifs	Distribution Not Centrally Enriched	SpaMo & FIMO • Motif Spacing Analysis • Motif Sites in GFF3
The variety desirable in the second s	Motif Found	Discovery/Enrichment Program	E-value	Known or Similar Motifs	Distribution	SpaMo & FIMO
gio 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Hour Pound	DREME	4.5e-023	Kilowii di Silililai Piduls	Not Centrally Enriched	Motif Spacing Analysis Motif Sites in GFF3
	Motif Found	Discovery/Enrichment Program	E-value	Known or Similar Motifs	Distribution	SpaMo & FIMO
severse Complement ⇔		DREME	1.8e-021	SRY (MA0084.1)	Not Centrally Enriched	Motif Spacing Analysis Motif Sites in GFF3
Reverse complement 7						
Reverse Complement ⇔	Motif Found	Discovery/Enrichment Program DREME	4.8e-020	Known or Similar Motifs RBPJ (MA1116.1) TEAD2 (MA1121.1)	Distribution Not Centrally Enriched	SpaMo & FIMO • Motif Spacing Analysis • Motif Sites in GFF3
	Makis Farrad			W		
general Section (1997)	Motif Found	Discovery/Enrichment Program MEME	2.4e-015	Known or Similar Motifs SP2 (MA0516.1) Zfp281 primary (UP00021 1) SP1 (MA0079.3)	Distribution Not Centrally Enriched	SpaMo & FIMO • Motif Spacing Analysis • Motif Sites in GFF3
neverse complement	Motif Found	Discovery/Enrichment Program	E-value	Known or Similar Motifs	Distribution	SpaMo & FIMO
Reverse Complement ⇔		DREME	1.0e-013		Not Centrally Enriched	Motif Spacing Analysis Motif Sites in GFF3
	Motif Found	Discovery/Enrichment Program	E-value	Known or Similar Motifs	Distribution	SpaMo & FIMO
		DREME	2.2e-011	REST (MA0138.2)	Not Centrally Enriched	 Motif Spacing Analysis Motif Sites in GFF3
Reverse Complement ≒						
Payers Complement	Motif Found	Discovery/Enrichment Program DREME	1.5e-010	Known or Similar Motifs Arnt (MA0004.1) Id2 (MA0617.1) Mixip (MA0622.1)	Distribution Not Centrally Enriched	SpaMo & FIMO • Motif Spacing Analysis • Motif Sites in GFF3
Reverse Complement	M - 17 = - 1					
	Motif Found	Discovery/Enrichment Program DREME	7.4e-010	Known or Similar Motifs SOX2 DBD 2 SOX15 full 3 Sox1 DBD 2	Distribution Not Centrally Enriched	Motif Spacing Analysis Motif Sites in GFF3
Reverse Complement						
Reverse Complement ⇔	Motif Found	Discovery/Enrichment Program DREME	E-value 1.5e-009	Known or Similar Motifs TCF7L2 (MA0523.1) Tcf7. primary.(UP00054.1) Tcf3. primary.(UP00058.1)	Distribution Not Centrally Enriched	SpaMo & FIMO Motif Spacing Analysis Motif Sites in GFF3
	Motif Found	Discovery/Enrichment Program	E-value	Known or Similar Motifs	Distribution	SpaMo & FIMO
a Jaccatca	TOURD 5.0 5155/5/7000502 10/041/5	DREME	1.6e-009		Not Centrally Enriched	Motif Spacing Analysis Motif Sites in GFF3.

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Reverse Complement \leftrightarrows						
21	Motif Found	Discovery/Enrichment Program	E-value	Known or Similar Motifs	Distribution	SpaMo & FIMO
		DREME	9.2e-008		Not Centrally Enriched	 Motif Spacing Analysi Motif Sites in GFF3
Reverse Complement						
²] A 🕶 🖈 🔥	Motif Found	Discovery/Enrichment Program	E-value	Known or Similar Motifs	Distribution	SpaMo & FIMO
Reverse Complement ≒		DREME	3.6e-006		Not Centrally Enriched	 Motif Spacing Analys Motif Sites in GFF3
	Motif Found	Discovery/Enrichment Program	E-value	Known or Similar Motifs	Distribution	SpaMo & FIMO
gato Control of the		DREME	6.0e-006		Not Centrally Enriched	 Motif Spacing Analys Motif Sites in GFF3
	Motif Found	Discovery/Enrichment Program	E-value	Known or Similar Motifs	Distribution	SpaMo & FIMO
		DREME	9.2e-006	Nkx2-9 3082.1 (UP00119 1) Nkx2-3 3435.1 (UP00190 1)	Not Centrally Enriched	Motif Spacing Analys Motif Sites in GFF3
Reverse Complement						
²] A A TT A TT	Motif Found	Discovery/Enrichment Program	E-value	Known or Similar Motifs	Distribution	SpaMo & FIMO
		DREME	3.7e-005		Not Centrally Enriched	 Motif Spacing Analys Motif Sites in GFF3
Reverse Complement ≒	Motif Found	Discovery/Enrichment Program	E-value	Known or Similar Motifs	Distribution	SpaMo & FIMO
		DREME	3.6e-003		Not Centrally Enriched	Motif Spacing Analys Motif Sites in GFF3
Reverse Complement ≒	Motif Found	Discovery/Enrichment Program	E-value	Known or Similar Motifs	Distribution	SpaMo & FIMO
		DREME	1.0e-002	Bcl6b_primary (UP00043_1)	Not Centrally Enriched	Motif Spacing Analys Motif Sites in GFF3
Reverse Complement						
21	Motif Found	Discovery/Enrichment Program	E-value	Known or Similar Motifs	Distribution	SpaMo & FIMO
		DREME	1.1e-002	NKX3-2 DBD NKX3-2 (MA0122.2) Nkx2-3 3435.1 (UP00190 1)	Not Centrally Enriched	Motif Spacing Analys Motif Sites in GFF3
Reverse Complement ⇒						
Reverse Complement ⇔	Motif Found	Discovery/Enrichment Program	E-value	Known or Similar Motifs	Distribution	SpaMo & FIMO

PROGRAMS

Command	Running Time	Status	Outputs
getsize //Nanog-idr-merged-dreme.fasta 1> \$metrics	0.09s	Success	
fasta-most -min 50 < ./Nanog-idr-merged-dreme.fasta 1> \$metrics	0.22s	Success	
asta-center -dna -len 100 < ./Nanog-idr-merged-dreme.fasta 1> ./seqs-centered	0.38s	Success	 segs-centered
asta-shuffle-letters ./seqs-centered ./seqs-shuffled -kmer 2 -tag -dinuc -dna -seed 1	0.09s	Success	 seqs-shuffled
asta-get-markov -nostatus -nosummary -dna -m 1 ./Nanog-idr-merged-dreme.fasta ./background	0.05s	Success	Background
neme ./seqs-centered -oc meme_out -mod zoops -nmotifs 3 -minw 6 -maxw 30 -bfile ./background -dna -searchsize 100000 -time 5082 -revcomp -nostatus	42m 35.03s	Success	MEME HTML MEME text MEME XML
Ireme -verbosity 1 -oc dreme_out -png -dna -p ./seqs-centered -n ./seqs-shuffled -t 6117 -e 0.05	1h 21m 37.51s	Success	• DREME HTML • DREME text • DREME XML
entrimo -seqlen 231 -verbosity 1 -oc centrimo_out -bfile ./background -score 5.0 -ethresh 10.0 ./Nanog-idr-merged-dreme.fasta meme_out/meme.xml dreme_out/dreme.xml b/EUKARYOTE/jolma2013.meme db/JASPAR/JASPAR2018_CORE_vertebrates_non-redundant.meme db/MOUSE/uniprobe_mouse.meme	8.67s	<u>Warnings</u>	 <u>CentriMo HTML</u> <u>Site Counts</u>
mtom -verbosity 1 -oc meme_tomtom_out -min-overlap 5 -dist pearson -evalue -thresh 1 -no-ssc meme_out/meme.xml db/EUKARYOTE/jolma2013.meme b/JASPAR/JASPAR2018_CORE_vertebrates_non-redundant.meme db/MOUSE/uniprobe_mouse.meme	1m 46.88s	Success	• Tomtom HTML • Tomtom TSV • Tomtom XML
omtom -verbosity 1 -oc dreme_tomtom_out -min-overlap 5 -dist pearson -evalue -thresh 1 -no-ssc dreme_out/dreme.xml db/EUKARYOTE/jolma2013.meme b/JASPAR/JASPAR2018_CORE_vertebrates_non-redundant.meme db/MOUSE/uniprobe_mouse.meme	36.68s	Success	• Tomtom HTML • Tomtom TSV • Tomtom XML
ontom -verbosity 1 -text -thresh 0.1 ./combined.meme ./combined.meme 1> ./motif_alignment.txt	2.15s	Success	Motif Alignment
pamo -verbosity 1 -oc spamo_out_1 -bgfile ./background -keepprimary -primary ACAAWRG ./Nanog-idr-merged-dreme.fasta dreme_out/dreme.xml meme_out/meme.xml leme_out/dreme.xml db/EUKARYOTE/jolma2013.meme db/JASPAR/JASPAR2018_CORE_vertebrates_non-redundant.meme db/MOUSE/uniprobe_mouse.meme	2m 32.49s	Warnings	SpaMo HTML
pamo -verbosity 1 -oc spamo_out_2 -bgfile ./background -keepprimary -primary HHATTWRCATDWCAAW ./Nanog-idr-merged-dreme.fasta meme_out/meme.xml meme_out/meme.xml reme_out/dreme.xml db/EUKARYOTE/jolma2013.meme db/JASPAR/JASPAR2018_CORE_vertebrates_non-redundant.meme db/MOUSE/uniprobe_mouse.meme	3m 56.06s	<u>Warnings</u>	<u>SpaMo HTML</u>
pamo -verbosity 1 -oc spamo_out_3 -bgfile ./background -keepprimary -primary CCYGCTGD ./Nanog-idr-merged-dreme.fasta dreme_out/dreme.xml meme_out/meme.xml reme_out/dreme.xml db/EUKARYOTE/jolma2013.meme db/JASPAR/JASPAR2018_CORE_vertebrates_non-redundant.meme db/MOUSE/uniprobe_mouse.meme	1m 17.62s	<u>Warnings</u>	SpaMo HTML

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	Command	Running Time	Status	Outputs
	spamo -verbosity 1 -oc spamo_out_4 -bgfile _bbackground -keepprimary -primary CATTHM _/Nanog-idr-merged-dreme_fasta dreme_out/dreme.xml meme_out/meme.xml dreme_out/dreme.xml dreme_out/eme.xml	4m 40.43s 3m 21.95s	<u>Warnings</u> Warnings	SpaMo HTML SpaMo HTML
	db/EUKARYOTE/jolma2013.meme db/JASPAR/JASPAR2018_CORE_vertebrates_non-redundant.meme db/MOUSE/uniprobe_mouse.meme spamo -verbosity 1 -oc spamo_out_6 -bgfile ./background -keepprimary -primary CCDCCYCC ./Nanog-idr-merged-dreme.fasta dreme_out/dreme.xml meme_out/meme.xml	1m 21.25s	Warnings	SpaMo HTML
	dreme_out/dreme.xml db/EUKARYOTE/jolma2013.meme db/JASPAR/JASPAR/JASPAR2018_CORE_vertebrates_non-redundant.meme db/MOUSE/uniprobe_mouse.meme spamo -verbosity 1 -oc spamo_out_7 -bgfile ./background -keepprimary -primary CTGTGD ./Nanog-idr-merged-dreme.fasta dreme_out/dreme.xml meme_out/meme.xml dreme_out/dreme.xml	3m 9.86s	Warnings	<u>SpaMo HTML</u>
	db/EUKARYOTE/jolma2013.meme db/JASPAR/JASPAR2018_CORE_vertebrates_non-redundant.meme db/MOUSE/uniprobe_mouse.meme spamo_verbosity 1 -oc spamo_out_8 -bgfile_/background -keepprimary -primary CVGGAA_/Nanog-idr-merged_dreme.fasta dreme_out/dreme.xml meme_out/meme.xml dreme_out/dreme.xml	2m 19.94s	<u>Warnings</u>	• <u>SpaMo HTML</u>
	db/EUKARYOTE/jolma2013.meme db/JASPAR/JASPAR2018_CORE_vertebrates_non-redundant.meme db/MOUSE/uniprobe_mouse.meme spamo -verbosity 1 -oc spamo_out_9 -bgfile _/background -keepprimary -primary KTWAA _/Nipro-imerged-d-meme_fasta dreme_out/dreme.xml meme_out/meme.xml dreme_out/dreme.xml db/EUKARYOTE/jolma2013.meme db/JASPAR/JASPAR2018_CORE_vertebrates non-redundant.meme db/MOUSE/uniprobe mouse.meme	5m 32.77s	<u>Warnings</u>	• <u>SpaMo HTML</u>
	spamo -verbosity 1 -oc spamo_out_10 -bgfile /background -keepprimary primary SCTGGRA /Nanog-idr-merged-dreme.fasta dreme_out/dreme.xml meme_out/meme.xml dreme out/dreme.xml db/EUKARYOTE/jolma2013.meme db/JASPAR/JASPAR2018 CORE vertebrates non-redundant.meme db/MOUSE/uniprobe mouse.meme	1m 54.22s	Warnings	<u>SpaMo HTML</u>
	spamo -verbosity 1 -oc spamo_out_11 -bgfile /background -keepprimary -primary SSSSSSGSSSSSSGSSSGGGSSCGCSS ./Nanog-idr-marged-dreme_fasta meme_out/meme.xml meme_out/meme.xml dreme_out/dreme.xml db/EUKARYOTE/jolma2013.meme db/JASPAR2018_CORE_vertebrates_non-redundant.meme db/MOUSE/uniprobe_mouse.meme	1m 54.40s	<u>Warnings</u>	• <u>SpaMo HTML</u>
	spamo -verbosity 1 -oc spamo_out_12 -bgfile ./background -keepprimary -primary AAAGRAAR ./Nanog-idr-merged-dreme.fasta dreme_out/dreme.xml meme_out/meme.xml db/EUKARYOTE/jolma2013.meme db/JASPAR/JASPAR2018_CORE_vertebrates_non-redundant.meme db/MOUSE/uniprobe_mouse.meme	1m 14.40s	Warnings	SpaMo HTML
	spamo -verbosity 1 -oc spamo_out_13 -bgfile ./background -keepprimary -primary CRGCKCC ./Nanog-idr-merged-dreme.fasta dreme_out/dreme.xml meme_out/meme.xml dreme_out/dreme.xml db/EUKARYOTE/jolma2013.meme db/JASPAR/JASPAR2018_CORE_vertebrates_non-redundant.meme db/JNOUSE/uniprobe_mouse.meme	1m 7.29s	<u>Warnings</u>	• <u>SpaMo HTML</u>
	spamo -verbosity 1 -oc spamo_out_14 -bgfile _/background -keepprimary -primary CACGTG _/Nanog-idr-merged-dreme.fasta dreme_out/dreme.xml meme_out/meme.xml dreme_out/dreme.xml db/EUKARYOTE/jolma2013.meme db/JASPAR/JASPAR2018_CORE_vertebrates_non-redundant.meme db/MOUSE/uniprobe_mouse.meme	16.82s	Warnings	<u>SpaMo HTML</u>
	spamo -verbosity 1 -oc spamo_out_15 -bgfile _/background -keepprimary -primary MTGAATA _/Nanog-idr-merged-dreme.fasta dreme_out/dreme.xml meme_out/meme.xml dreme_out/dreme.xml db/EUKARYOTE/jolma2013.meme db/JASPAR/JASPAR2018_CORE_vertebrates_non-redundant.meme db/MOUSE/uniprobe_mouse.meme	42.41s	Warnings	<u>SpaMo HTML</u>
	spamo -verbosity 1 -oc spamo_out_16 -bgfile _/background -keepprimary -primary CCTTTGAW _/Nanog-idr-merged-dreme_fasta dreme_out/dreme.xml dreme_out/dreme.xml db/EUKARYOTE/jolma2013.meme db/JASPAR/JASPAR2018_CORE_vertebrates_non-redundant.meme db/MOUSE/uniprobe_mouse.meme	25.34s	<u>Warnings</u>	<u>SpaMo HTML</u>
	spamo -verbosity 1 -oc spamo_out_17 -bgfile _/background -keepprimary -primary RGCMATCA _/Nanog-idr-merged-dreme_fasta dreme_out/dreme.xml dreme_out/dreme.xml db/EUKARYOTE/jolma2013.meme db/JASPAR/JASPAR2018_CORE_vertebrates_non-redundant.meme db/MOUSE/uniprobe_mouse.meme	27.33s	Warnings	<u>SpaMo HTML</u>
	spamo -verbosity 1 -oc spamo_out_18 -bgfile ./background -keepprimary -primary GAGAAWGA ./Nanog-idr-merged-dreme.fasta dreme_out/dreme.xml dreme_out/dreme.xml db/EUKARYOTE/jolma2013.meme db/JASPAR/JASPAR2018_CORE_vertebrates_non-redundant.meme db/MOUSE/uniprobe_mouse.meme	24.24s	<u>Warnings</u>	<u>SpaMo HTML</u>
	spamo -verbosity 1 -oc spamo_out_19 -bgfile //background -keepprimary -primary ATTAGVA ./Nanog-idr-merged-dreme.fasta dreme_out/dreme.xml meme_out/meme.xml dreme_out/dreme.xml db/EUKARYOTE/jolma2013.meme db/JASPAR/JASPAR2018_CORE_vertebrates_non-redundant.meme db/MOUSE/uniprobe_mouse.meme	1m 4.42s	<u>Warnings</u>	<u>SpaMo HTML</u>
	spamo -verbosity 1 -oc spamo_out_20 -bgfile_/background -keepprimary -primary CCACTGDG ./Nanog-idr-merged-dreme.fasta dreme_out/dreme.xml meme_out/meme.xml dreme_out/dreme.xml db/EUKARYOTE/jolma2013.meme db/JASPAR/JASPAR2018_CORE_vertebrates_non-redundant.meme db/MOUSE/uniprobe_mouse.meme	30.85s	Warnings	<u>SpaMo HTML</u>
	spamo -verbosity 1 -oc spamo_out_21 - bgfile //background -keepprimary -primary GTACTTVA //Nanog-idr-merged-dreme.fasta dreme_out/dreme.xml meme_out/dreme.xml dreme_out/dreme.xml db/EUKARYOTE/jolma2013.meme db/JASPAR/JASPAR2018_CORE_vertebrates_non-redundant.meme db/MOUSE/uniprobe_mouse.meme	15.71s	Warnings	SpaMo HTML
	spamo -verbosity 1 -oc spamo_out_22 - bgfile /background -keepprimary -primary CATTCTTY /Nanog-idr-merged-dreme.fasta dreme_out/dreme.xml meme_out/meme.xml dreme_out/dreme.xml db/EUKARYOTE/fjolma2013.meme db/JASPARYJASPAR2018_CORE_vertebrates_non-redundant.meme db/MOUSE/uniprobe_mouse.meme spamo -verbosity 1 -oc spamo_out_23 -bgfile /background -keepprimary -primary CTATTCTY //Nanog-idr-merged-dreme.fasta dreme_out/dreme.xml meme_out/meme.xml	27.13s 18.12s	<u>Warnings</u> Warnings	SpaMo HTML SpaMo HTML
	spamo -verbosity 1 -oc spamo_out_24 -bgfile /background -keepprimary -primary AAATKCCT ./Nanog-idr-merged-dreme.do//house/pull-merged-dreme.and b/house/pull-merged-dreme.and b/house/pull	24.05s	Warnings	SpaMo HTML
	dreme_out/dreme.xml db/EUKARYOTE/jolma2013.meme db/JASPAR/JASPAR2018_CORE_vertebrates_non-redundant.meme db/JNOUSE/uniprobe_mouse.meme spamo -verbosity 1 -oc spamo_out_25 -bgfile_/background -keepprimary -primary AGYACTTA ./Nanog-idr-merged-dreme.fasta dreme_out/dreme.xml meme_out/meme.xml	19.00s	Warnings	SpaMo HTML
	dreme_out/dreme.xml db/EUKARYOTE/jolma2013.meme db/JASPAR/JASPAR2018_CORE_vertebrates_non-redundant.meme db/MOUSE/uniprobe_mouse.meme spamo -verbosity 1 -oc spamo_out_26 -bgfile_/background -keepprimary -primary ABAATAAA ./Nanog-idr-merged-dreme.fasta dreme_out/dreme.xml meme_out/meme.xml	27.40s	Warnings	SpaMo HTML
	dreme_out/dreme.xml db/EUKARYOTE/jolma2013.meme db/JASPAR/JASPAR2018_CORE_vertebrates_non-redundant.meme db/MOUSE/uniprobe_mouse.meme fimoparse-genomic-coordverbosity 1oc fimo_out_1bgfile _/backgroundmotif ACAAWRG dreme_out/dreme.xml _/Nanog-idr-merged-dreme.fasta	2.40s	Success	• FIMO GFF
				FIMO HTML FIMO TSV
	fimoparse-genomic-coordverbosity 1oc fimo_out_2bgfile ./backgroundmotif HHATTWRCATDWCAAW meme_out/meme.xml ./Nanog-idr-merged-dreme.fasta	2.58s	Success	FIMO GFFFIMO HTMLFIMO TSV
	fimoparse-genomic-coordverbosity 1oc fimo_out_3bgfile ./backgroundmotif CCYGCTGD dreme_out/dreme.xml ./Nanog-idr-merged-dreme.fasta	2.45s	Success	• <u>FIMO GFF</u> • <u>FIMO HTML</u> • FIMO TSV
	fimoparse-genomic-coordverbosity 1oc fimo_out_4bgfile ./backgroundmotif CATTHM dreme_out/dreme.xml ./Nanog-idr-merged-dreme.fasta	2.32s	Success	• FIMO GFF • FIMO HTML
	fimoparse-genomic-coordverbosity 1oc fimo_out_5bgfile //backgroundmotif TAATBR dreme_out/dreme.xml ./Nanog-idr-merged-dreme.fasta	2.33s	Success	• FIMO TSV • FIMO GFF
				FIMO HTML FIMO TSV
	fimoparse-genomic-coordverbosity 1oc fimo_out_6bgfile ./backgroundmotif CCDCCYCC dreme_out/dreme.xml ./Nanog-idr-merged-dreme.fasta	2.57s	Success	FIMO GFFFIMO HTMLFIMO TSV
	fimoparse-genomic-coordverbosity 1oc fimo_out_7bgfile ./backgroundmotif CTGTGD dreme_out/dreme.xml ./Nanog-idr-merged-dreme.fasta	2.35s	Success	FIMO GFF FIMO HTML FIMO TSV
	fimoparse-genomic-coordverbosity 1oc fimo_out_8bgfile ./backgroundmotif CVGGAA dreme_out/dreme.xml ./Nanog-idr-merged-dreme.fasta	2.34s	Success	• FIMO GFF • FIMO HTML
	fimoparse-genomic-coordverbosity 1oc fimo_out_9bgfile ./backgroundmotif KTWAA dreme_out/dreme.xml ./Nanog-idr-merged-dreme.fasta	2.39s	Success	FIMO TSVFIMO GFF
	fimoparse-genomic-coordverbosity 1oc fimo_out_10bgfile ./backgroundmotif SCTGGRA dreme_out/dreme.xml ./Nanog-idr-merged-dreme.fasta	2.45s	Success	• FIMO HTML • FIMO TSV • FIMO GFF
	*** Parse-Renomic-Cooldverbosity 1oc. http://doi.org/10.1001	2.435	Success	• FIMO HTML • FIMO TSV
	fimoparse-genomic-coordverbosity 1oc fimo_out_11bgfile ./backgroundmotif SSSGSSSSGSVGGGSSCGCSGS meme_out/meme.xml ./Nanog-idr-merged-dreme.fasta	3.08s	Success	• FIMO GFF • FIMO HTML • FIMO TSV
	fimoparse-genomic-coordverbosity 1oc fimo_out_12bgfile ./backgroundmotif AAAGRAAR dreme_out/dreme.xml ./Nanog-idr-merged-dreme.fasta	2.46s	Success	• FIMO GFF • FIMO HTML
	fimoparse-genomic-coordverbosity 1oc fimo_out_13bgfile ./backgroundmotif CRGCKCC dreme_out/dreme.xml ./Nanog-idr-merged-dreme.fasta	2.42s	Success	 FIMO TSV FIMO GFF
	fimoparse-genomic-coordverbosity 1oc fimo_out_14bgfile ./backgroundmotif CACGTG dreme_out/dreme.xml ./Nanog-idr-merged-dreme.fasta	2.35s	Success	FIMO HTML FIMO TSV FIMO GFF
	page genomic cools. Velbosity 1. 0c mino_odc_14. Symie /Joboxyfound. India execute dieme_odyforeme.xim //Namoy nd merged dreme.asaa	2.333	Success	• FIMO HTML • FIMO TSV
	fimoparse-genomic-coordverbosity 1oc fimo_out_15bgfile ./backgroundmotif MTGAATA dreme_out/dreme.xml ./Nanog-idr-merged-dreme.fasta	2.40s	Success	FIMO GFFFIMO HTMLFIMO TSV
	fimoparse-genomic-coordverbosity 1oc fimo_out_16bgfile ./backgroundmotif CCTTTGAW dreme_out/dreme.xml ./Nanog-idr-merged-dreme.fasta	2.42s	Success	• FIMO GFF • FIMO HTML
	fimoparse-genomic-coordverbosity 1oc fimo_out_17bgfile ./backgroundmotif RGCMATCA dreme_out/dreme.xml ./Nanog-idr-merged-dreme.fasta	2.41s	Success	• FIMO TSV • FIMO GFF • FIMO HTML
	fimoparse-genomic-coordverbosity 1oc fimo_out_18bgfile ./backgroundmotif GAGAAWGA dreme_out/dreme.xml ./Nanog-idr-merged-dreme.fasta	2.40s	Success	• FIMO TSV • FIMO GFF
	fimoparse-genomic-coordverbosity 1oc fimo_out_19bgfile ./backgroundmotif ATTAGVA dreme_out/dreme.xml ./Nanog-idr-merged-dreme.fasta	2.39s	Success	• FIMO HTML • FIMO TSV • FIMO GFF
	annum para to the transport of the paragraph of the parag		Success	• FIMO GFF • FIMO HTML • FIMO TSV
	fimoparse-genomic-coordverbosity 1oc fimo_out_20bgfile ./backgroundmotif CCACTGDG dreme_out/dreme.xml ./Nanog-idr-merged-dreme.fasta	2.40s	Success	 FIMO GFF FIMO HTML FIMO TSV

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Command	Running Time	Status	Outputs
fimo parse-genomic-coord verbosity 1 oc fimo_out_21 bgfile ./background motif GTACTTVA dreme_out/dreme.xml ./Nanog-idr-merged-dreme.fasta	2.58s	Success	• FIMO GFF • FIMO HTML • FIMO TSV
fimoparse-genomic-coordverbosity 1oc fimo_out_22bgfile ./backgroundmotif CATTCTTY dreme_out/dreme.xml ./Nanog-idr-merged-dreme.fasta	2.40s	Success	• FIMO GFF • FIMO HTML • FIMO TSV
fimoparse-genomic-coordverbosity 1oc fimo_out_23bgfile ./backgroundmotif CTATTCTY dreme_out/dreme.xml ./Nanog-idr-merged-dreme.fasta	2.44s	Success	• FIMO GFF • FIMO HTML • FIMO TSV
fimoparse-genomic-coordverbosity 1oc fimo_out_24bgfile ./backgroundmotif AAATKCCT dreme_out/dreme.xml ./Nanog-idr-merged-dreme.fasta	2.42s	Success	• FIMO GFF • FIMO HTML • FIMO TSV
fimoparse-genomic-coordverbosity 1oc fimo_out_25bgfile ./backgroundmotif AGYACTTA dreme_out/dreme.xml ./Nanog-idr-merged-dreme.fasta	2.51s	Success	• FIMO GFF • FIMO HTML • FIMO TSV
fimoparse-genomic-coordverbosity 1oc fimo_out_26bgfile ./backgroundmotif ABAATAAA dreme_out/dreme.xml ./Nanog-idr-merged-dreme.fasta	2.43s	Success	• FIMO GFF • FIMO HTML • FIMO TSV

INPUT FILES

Alphabet												
Background source: built from the (primary) sequences												
Name	Bg.				n-	Name						
Adenine	0.243	Α	~	т		Thymine						
Cytosine	0.257	C	~	G		Guanine						
Primary Seque	nces											
Databa				Sourc		Sequence Count						
Nanog-idr-merg	ed-dreme	Nan	iog-idr	-merged	-dreme.fast	a 11035						
Motifs												
	Database Source Motif Count											
jolma2013					db/EUKA	RYOTE/jolma2013.meme	843					
JASPAR2018 CC		ates no	n-redu	ndant		R/JASPAR2018_CORE_vertebrates_non-redundant.meme						
uniprobe mouse					db/MOUS	E/uniprobe_mouse.meme	386					

MEME-ChIP version 5.0.5 (Release date: Mon Mar 18 20:12:19 2019 -0700)

Reference
Philip Machanick and Timothy L. Bailey, "MEME-ChIP: motif analysis of large DNA datasets", Bioinformatics, 2712, 1696-1697, 2011.

Command line summary

meme-chip -oc. -time 300 -ccut 100 -order 1 -db db/EUKARYOTE/jolma2013.meme -db db/JASPAR/JASPAR2018_CORE_vertebrates_non-redundant.meme -db db/MOUSE/uniprobe_mouse.meme -meme-mod zoops -meme-minw 6 -meme-maxw 30 -meme-nmotifs 3 -meme-searchsize 100000 -dreme-e 0.05 -centrimo-score 5.0 -centrimo-ethresh 10.0 Nanog-idr-merged-dreme fasta