

Jump to: [Multiple Alignment](#) [Motif Tree](#) [Motif Matching](#)

Input file: 21 motifs loaded

Settings: Metric=PCC, Alignment=SWU, Gap-open=1000, Gap-extend=1000, -nooverlapalign
Multiple Alignment=IR, Tree=UPGMA, Matching against: TRANSFAC

Note: All results files are removed nightly at midnight EST. Please save your results by saving "Webpage, complete".

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Multiple Alignment

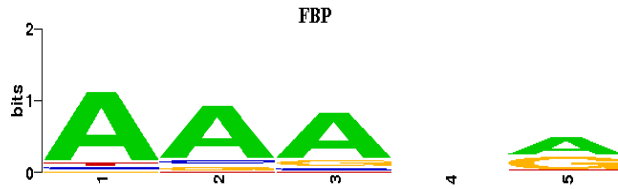
(Consensus sequence representations shown, but multiple alignment was carried out on the matrices)

```

M0 :          ---CCCCACCC----
M1 :          -----AAAAA AAA
M2 :          -----GGAAGGGA--
M3 :          ---TTTTAAAA----
M4 :          --GAAAGAAA-----
M5 :          ----AGGAAGGA---
M6 :          ---AAGGAAAA----
M7 :          ---TGGGAGAG----
M8 :          -----CAAACAA--
M9 :          -----AAAACACA-
M10 :         -----CAAAGGAG-
M11 :         TCCCCAGA-----
M12 :         -TCTGAGAA-----
M13 :         -----AAATAAAT
M14 :         ---AATTAAAA----
M15 :         -----GCAAAGGC--
M16 :         -----AAAGGGCA
M17 :         --TATTTAAA-----
M18 :         AGGGCTGA-----
M19 :         ---AGGGAAAT----
M20 :         -----AAAACAAC-

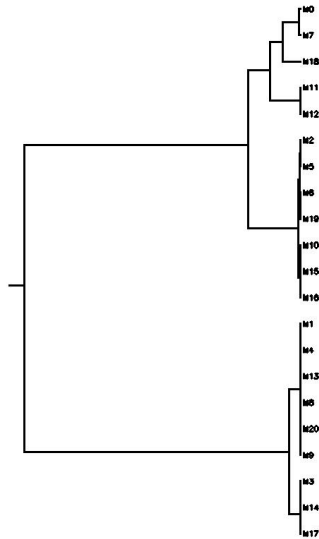
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Familial Profile:
[\(click for matrix\)](#)

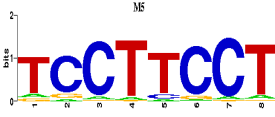

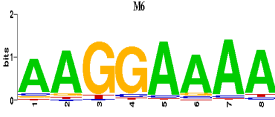

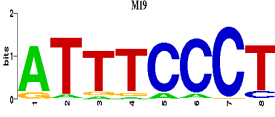

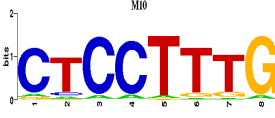

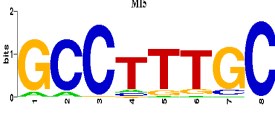

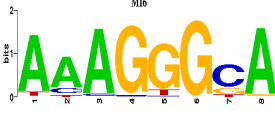

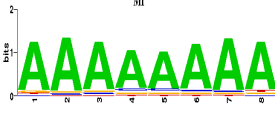

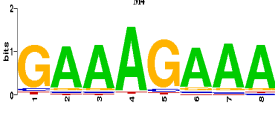



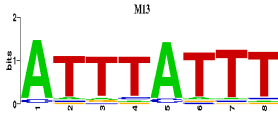

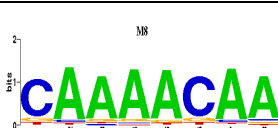

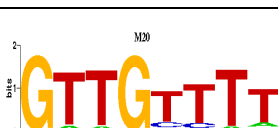

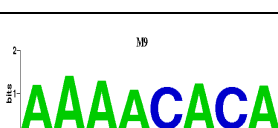
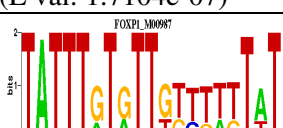
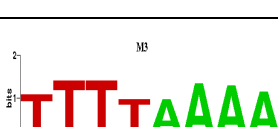
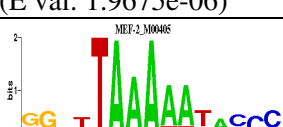


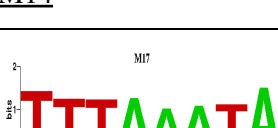

Motif Tree

Tree (drawn by **Phylip**)
[Click here for Newick-format tree \(viewable with MEGA\)](#)



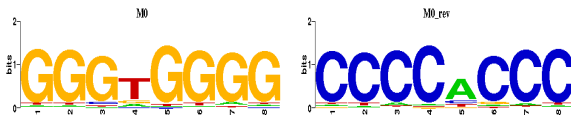
Input Motif	Best match in TRANSFAC
<p>M0</p>	<p>Alfin1_M00479</p> <p>Alfin1_M00479 (E val: 2.6089e-09)</p>
<p>M7</p>	<p>Lyf-1_M00141</p> <p>Lyf-1_M00141 (E val: 3.0076e-08)</p>
<p>M18</p>	<p>Dde_M00304</p> <p>Dde_M00304 (E val: 2.6789e-06)</p>
<p>M11</p>	<p>Olf-1_M00261</p> <p>Olf-1_M00261 (E val: 4.5470e-06)</p>
<p>M12</p>	<p>Alx-4_M00619</p> <p>Alx-4_M00619 (E val: 5.4531e-08)</p>
<p>M2</p>	<p>BLIMP1_M01066</p> <p>BLIMP1_M01066 (E val: 3.9308e-09)</p>

 <p>M5</p>	 <p>Tel-2_M00678 (E val: 7.9194e-08)</p>
 <p>M6</p>	 <p>Helios_M01004 (E val: 2.1517e-11)</p>
 <p>M19</p>	 <p>STAT1_M00492 (E val: 1.4961e-08)</p>
 <p>M10</p>	 <p>LEF1_M00805 (E val: 2.3101e-06)</p>
 <p>M15</p>	 <p>LEF1_M00805 (E val: 2.1837e-06)</p>
 <p>M16</p>	 <p>PBF_M01130 (E val: 2.4696e-06)</p>
 <p>M1</p>	 <p>Hb_M00022 (E val: 1.0595e-06)</p>
 <p>M4</p>	 <p>STE11_M01005 (E val: 2.2404e-08)</p>

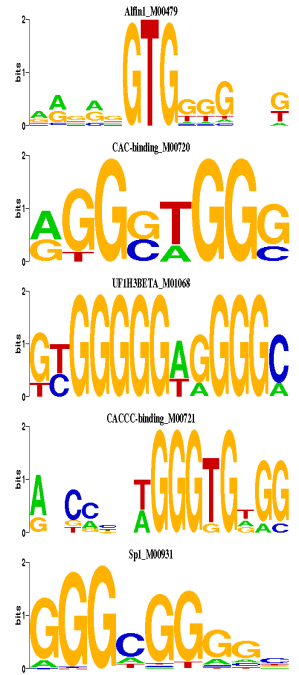
<p>M13</p> 	<p>Croc_M00266 (E val: 2.2148e-10)</p> 
<p>M8</p> 	<p>HNF3alpha_M00724 (E val: 3.6663e-06)</p> 
<p>M20</p> 	<p>FOXO4_M00476 (E val: 1.7104e-07)</p> 
<p>M9</p> 	<p>FOXP1_M00987 (E val: 1.9675e-06)</p> 
<p>M3</p> 	<p>MEF-2_M00405 (E val: 2.4796e-06)</p> 
<p>M14</p> 	<p>Nkx6-1_M00424 (E val: 5.0896e-11)</p> 
<p>M17</p> 	<p>avian_M00311 (E val: 4.3777e-08)</p> 

Motif Similarity Matches

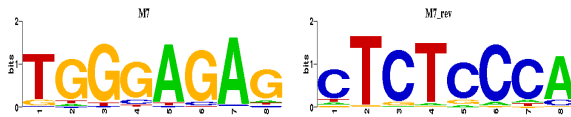
M0



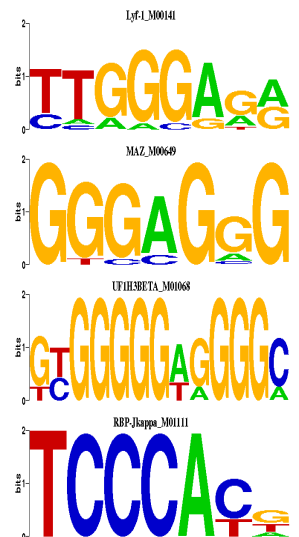
	<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>
Alfin1_M00479	2.6089e-09	---CCCCACCC--- MNNCCCCACNYNYN
CAC-binding_M00720	1.5006e-08	CCCCACCC- -CCCASCCY
UF1H3BETA_M01068	1.9542e-08	-CCCCACCC---- GCCCTCCCCRC
CACCC-binding_M00721	6.3357e-08	CCCCACCC----- CCNCACCCWNNKGNT
Sp1_M00931	6.8513e-08	-CCCCACCC NCCCCGCC



M7



	<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>
Lyf-1_M00141	3.0076e-08	CTCTCCCA- -YCTCCCAA
MAZ_M00649	7.1605e-07	TGGGAGAG -GGGAGGG
UF1H3BETA_M01068	3.2473e-05	----CTCTCCCA- GCCCTCCCCRC
RBP-Jkappa_M01111	1.8634e-04	--TGGGAGAG NGTGGGA---



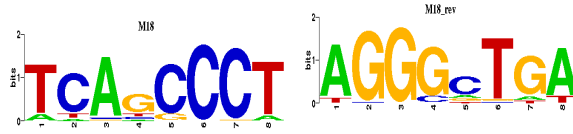
Nrf-2_M00108

3.4247e-04

-TGGGAGAG
CCGGAAGNS



M18

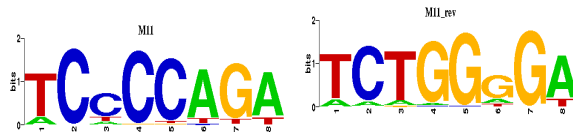


forward

reverse compliment

Name	E value	Alignment	Motif
Dde_M00304	2.6789e-06	AGGGCTGA-- --GGCTGAGC	
ZBRK1_M01105	3.5177e-05	--AGGGCTGA---- AAANNCTGCKSCC	
SREBP-1_M00221	1.0628e-04	-AGGGCTGA- GTGGGGTGAT	
CDC5_M00361	1.6439e-04	AGGGCTGA-- NSCGCTGAGS	
SREBP_M00776	2.7988e-04	AGGGCTGA--- TRGGGTGANN	

M11



forward

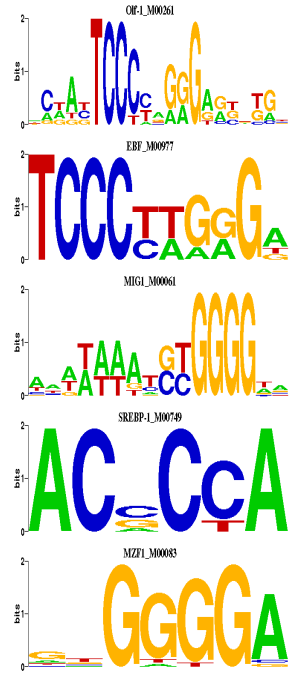
reverse compliment

Name	E value	Alignment	Motif
------	---------	-----------	-------

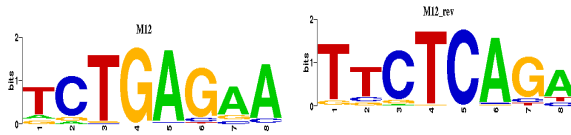
Stamp Results

10/01/13

Olf-1_M00261	4.5470e-06	-----TCCCCAGA----- NCNANTCCCYNGGGARNKGN
EBF_M00977	1.6200e-05	TCCCCAGA-- TCCCYWGRGN
MIG1_M00061	6.5869e-05	-TCCCCAGA----- NNCCCCRSNTTTWNN
SREBP-1_M00749	1.9662e-04	TCTGGGGA --TGGSGT
MZF1_M00083	2.1801e-04	TCTGGGGA -NNGGGGA



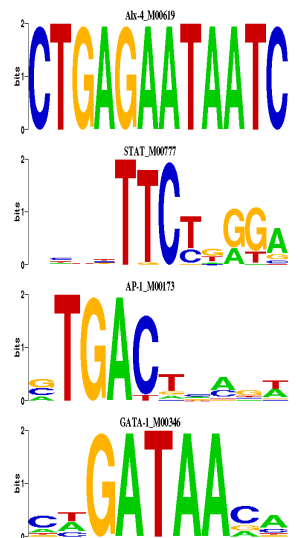
M12



forward

reverse compliment

Name	E value	Alignment
Alx-4_M00619	5.4531e-08	TCTGAGAA----- -CTGAGAATAATC
STAT_M00777	2.0460e-04	TTCTCAGA----- -TCCNAGAANNNN
AP-1_M00173	4.2546e-04	TCTGAGAA-- WNKNAGTCAN
GATA-1_M00346	7.4757e-04	--TTCTCAGA NNTTATCNN-



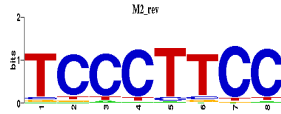
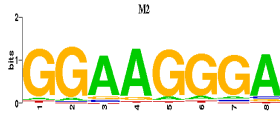
Su_H_M00234

8.2471e-04

---TTCTCAGA--
NGKTTCCCACRN



M2



forward

reverse compliment

Name

E value

Alignment

Motif

BLIMP1_M01066

3.9308e-09

-----TCCCTTCC
YMCTTTCMCTTYC



MAZ_M00649

2.7849e-06

TCCCTTCC
-CCCTCC



c-Ets-1_M00339

2.3799e-05

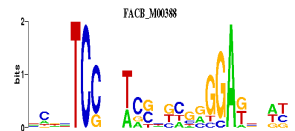
-----TCCCTTCC--
NNMNNNACTTCTG



FACB_M00388

2.8976e-05

-----TCCCTTCC-----
NNNNTCCNNINSNNNNNGGAKNNNN



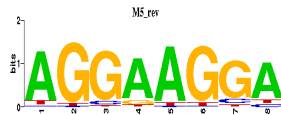
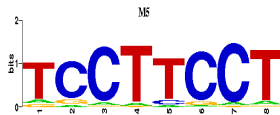
UF1H3BETA_M01068

1.6788e-04

TCCCTTCC-----
GCCCTCCCCRC



M5



forward

reverse compliment

Name

E value

Alignment

Motif

Tel-2_M00678

7.9194e-08

-AGGAAGGA
CAGGAAGTA

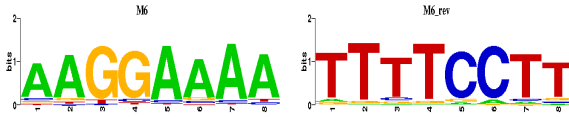


Stamp Results

10/01/13

Ets_M00971	3.1218e-07	-AGGAAGGA NAGGAAG--	
PU.1_M00658	5.1498e-07	TCCTTCCT- --CTTCCTC	
PEA3_M00655	1.0708e-06	AGGAAGGA MGGAWG--	
c-Ets-1_M00743	2.1967e-06	TCCTTCCT -GCTTCCK	

M6

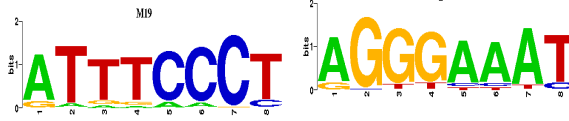


forward

reverse compliment

Name	E value	Alignment	Motif
Helios_M01004	2.1517e-11	-TTTTTCCTT- NTTTTCCTWN	
AG_M01133	2.8728e-07	-----AAGGAAAA TWNCAAAAAWGGNAAN	
MCM1+SFF_M01051	5.4507e-06	-----TTTTTCCTT----- TTRTTTANNWTNCCNNWTTNGNA	
BLIMP1_M01066	1.1505e-05	--AAGGAAAA--- GRAAGKGAAAGKR	
dI_M00043	1.5055e-05	---TTTTTCCTT GGTTTTTCN-	

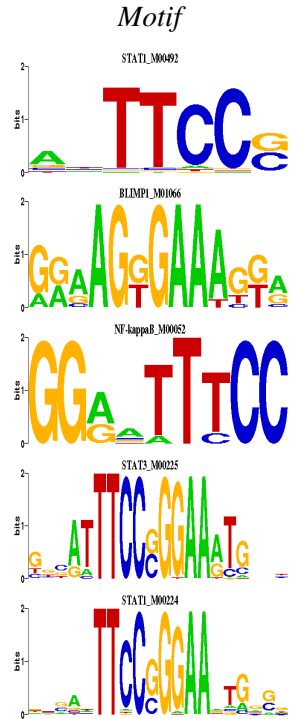
M19



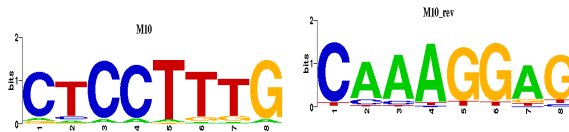
forward

reverse compliment

Name	E value	Alignment
STAT1_M00492	1.4961e-08	AGGGAAAT -SGGAANT
BLIMP1_M01066	5.6808e-07	--ATTTCCCT-- YMCTTTCMCTTYC
NF-kappaB_M00052	7.4267e-06	---ATTTCCCT GGANTTTC--
STAT3_M00225	1.4943e-05	-----AGGGAAAT----- NNNCATTTCCSGGAAATNNN
STAT1_M00224	1.9776e-05	----ATTTCCCT----- NSNCANTTCCCGGAANNNN



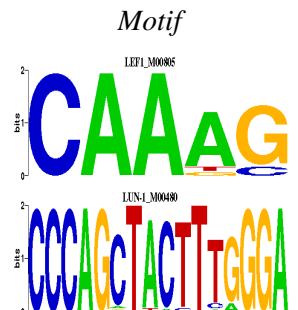
M10



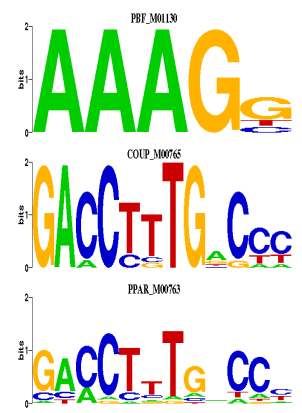
forward

reverse compliment

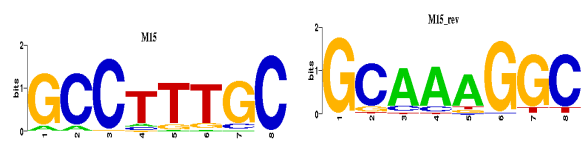
Name	E value	Alignment
LEF1_M00805	2.3101e-06	CTCCTTTG ---CTTTG
LUN-1_M00480	2.5494e-06	---CAAAGGAG----- TCCCAAAGTAGCTGGG



PBF_M01130	2.6298e-06	CTCCTTTG --CCTTT--
COUP_M00765	7.1153e-05	----CAAAGGAG GGGNCAAAGGTC
PPAR_M00763	8.1107e-05	----CAAAGGAG NGGNCAAAGGTC



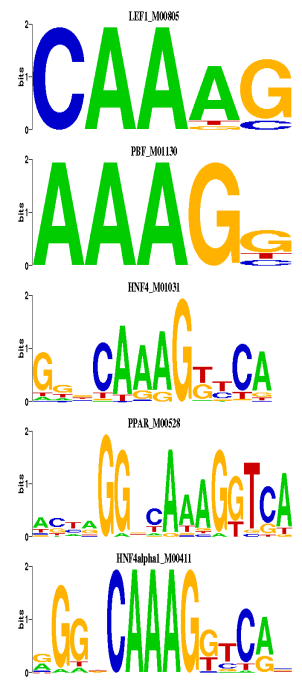
M15



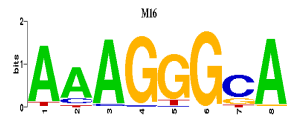
forward

reverse compliment

Name	E value	Alignment	Motif
LEF1_M00805	2.1837e-06	GCCTTTGC --CTTTG--	CAAAG
PBF_M01130	2.6323e-06	GCCTTTGC -CCTTT--	AAAG
HNF4_M01031	4.0257e-06	---GCCTTTGC-- NTGRMCTTTGNNC	CAAAGTCA
PPAR_M00528	4.3351e-06	--GCCTTTGC----- TGACCTTTGNCCNNNN	GGCAAAGGTC
HNF4alpha1_M00411	5.6038e-06	---GCAAAGGC--- RGGNCAAAGGTCAN	GGCAAAGGTC



M16



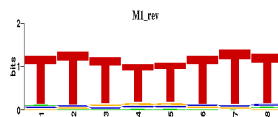
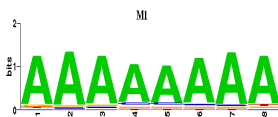
forward



reverse compliment

Name	E value	Alignment	Motif
PBF_M01130	2.4696e-06	TGCCCTTT ---CCTTT	
PPAR_M00528	3.6220e-06	TGCCCTTT----- TGACCTTTGNCCNNNN	
PPAR,_M00762	3.6384e-06	TGCCCTTT---- TGACCTTTGNCC	
HNF4alpha1_M00411	8.3570e-06	-----AAAGGGCA- RGGNCAAAGGTCAN	
PPARgamma-RXRalpha_M00512	1.0555e-05	-----AAAGGGCA---- NNGRGGTCAAAGGTCANNNN	

M1

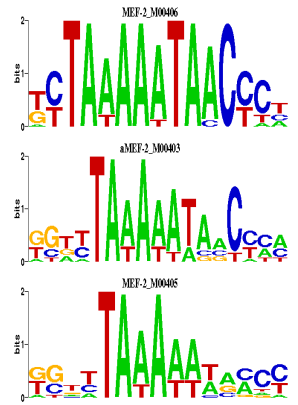


forward

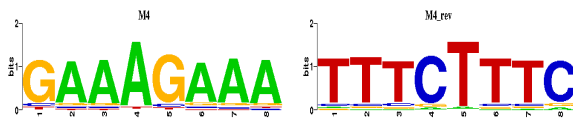
reverse compliment

Name	E value	Alignment	Motif
Hb_M00022	1.0595e-06	-TTTTTTTT NTTTTTNYK	
MEF-2_M00006	2.2887e-06	---AAAAAAAA--- TCTAAAATAACYCY	

MEF-2_M00406	3.0012e-06	----TTTTTTTT-- NGGGTTATTTTTAGM
aMEF-2_M00403	4.3249e-06	----TTTTTTTT---- KARGNTATTTTTARNCM
MEF-2_M00405	5.2669e-06	--TTTTTTTT---- RGKNWTTTTTANNSM



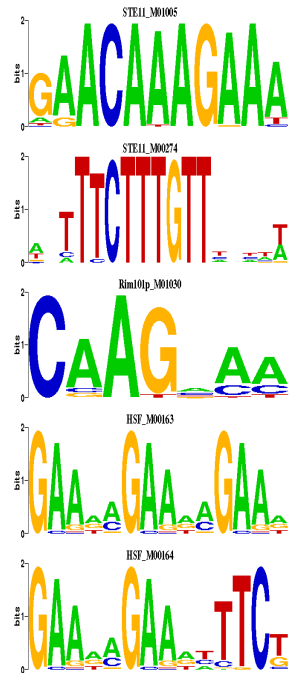
M4



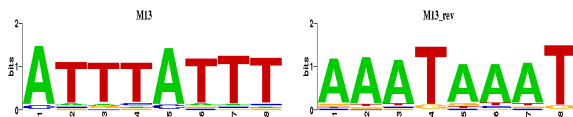
forward

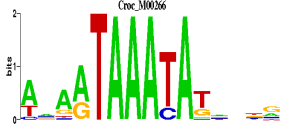




reverse compliment

Name	E value	Alignment	Motif
STE11_M01005	2.2404e-08	TTTCTTTC--- TTTCTTTGTC	
STE11_M00274	3.9894e-07	-----GAAAGAAA-- WNNNNAACAAAGAAANW	
Rim101p_M01030	1.7246e-06	TTTCTTTC TTNCTTG-	
HSF_M00163	5.5628e-06	-----TTTCTTTC- NTTCTNTTCTNTTC	
HSF_M00164	5.5628e-06	-----TTTCTTTC- AGAANNTTCTNTTC	

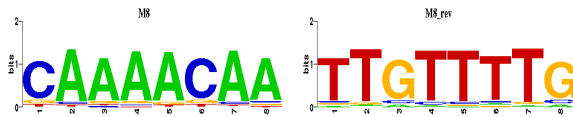





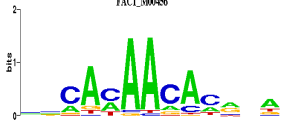
M13



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Croc_M00266	2.2148e-10	-----ATTTATTT- NNNNMTATTTATNT	
POU1F1_M00744	1.1557e-07	ATTTATTT- WTTTATNCA	
Lentiviral_M00318	1.3452e-07	ATTTATTT CTTTATT-	
TBP_M00471	1.7982e-07	-ATTTATTT WATTTAT--	
HFH1_M00129	2.2923e-07	---ATTTATTT AWTGTTTATWT	

M8



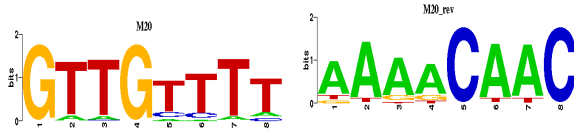
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
HNF3alpha_M00724	3.6663e-06	--TTGTTTTG RTTGYTYWN	
SOX_M01014	7.2589e-06	---TTGTTTTG- TCTTGTANGN	
FOXO3A_M01137	2.2362e-05	---TTGTTTTG NNNTTGTAY	
FAC1_M00456	3.6136e-05	---TTGTTTTG-- NNNTGTTKIGNN	

Mat1-Mc_M00276 3.9966e-05

CAAAACAA---
--NRACAATNG



M20

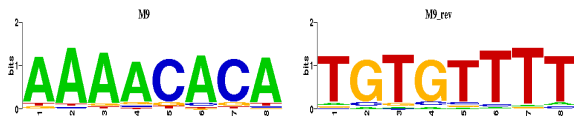


forward

reverse compliment

Name	E value	Alignment	Motif
FOXO4_M00476	1.7104e-07	----AAAACAAC-- NANGTAAACAACN	
FOXP1_M00987	2.2851e-07	----AAAACAAC----- ATAAAAAACAACACAAATA	
FOXP3_M00992	2.6416e-06	----AAAACAAC----- NTMTGNNANAACNNNW	
MEF-2_M00006	2.7330e-06	---GTGTGTTT--- RGRGTTATTTTTAGA	
ID1_M01021	2.8755e-06	AAAACAAC-- AWAASGACAA	

M9



forward

reverse compliment

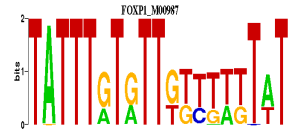
Name	E value	Alignment	Motif
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Stamp Results

10/01/13

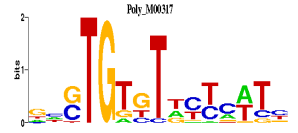
FOXP1_M00987 1.9675e-06

-----AAAACACA----
ATAAAAAACAACACAAATA



Poly_M00317 8.8243e-06

----AAAACACA---
NAWKRRNAMACASNN



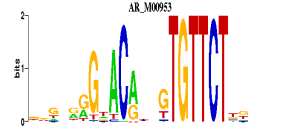
HFH4_M00742 1.5591e-05

TGTGTTTT----
WKTGTTTGTTTA



AR_M00953 2.8895e-05

-----AAAACACA-----
NNNNNNAGAACACNNTGTNCYNNNNN

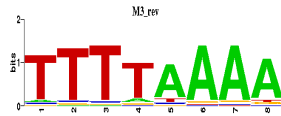
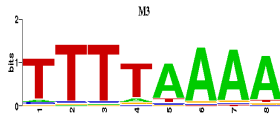


AML_M00769 3.6021e-05

----TGTGTTTT--
NNNNTGTGGTYWNN



M3



forward

reverse compliment

Name

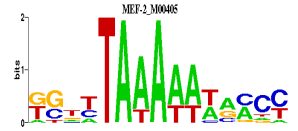
E value

Alignment

Motif

MEF-2_M00405 2.4796e-06

-----TTTTAAAA-
RGKNWTTTTTANNM



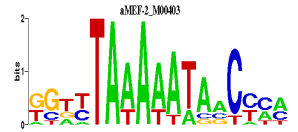
TATA_M00216 5.8322e-06

-TTTTAAAA
NTTTTATAG



aMEF-2_M00403 1.6840e-05

-----TTTTAAAA-
KCRGNTATTTTTARNM



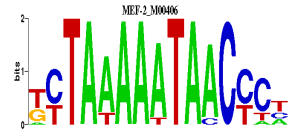
Abd-B_M01094 2.4853e-05

TTTTAAAA
TTTTAT--

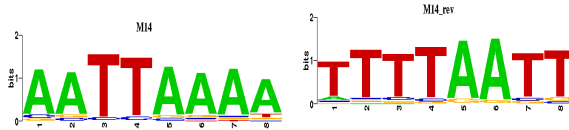


MEF-2_M00406 1.2717e-04

-----TTTTAAAA
NCGGTTATTTTTAGM-



M14

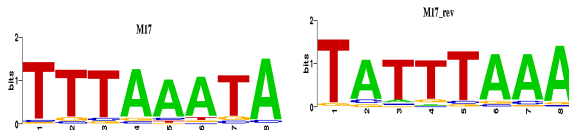


forward

reverse compliment

Name	E value	Alignment	Motif
Nkx6-1_M00424	5.0896e-11	TTTTAATT---- WTTTAATTGNTT	
Nkx2-5_M00241	1.5164e-06	TTTTAATT- --WTAATTN	
Lhx3_M00510	3.4712e-06	--AATTAAAA NTAATTAAW-	
OTX_M01117	4.3725e-06	AATTAAAA ANNTAAT-	
CF1A_M01098	4.6814e-06	-TTTTAATT----- NTTTNAAYTNATTAW	

M17



forward

reverse compliment

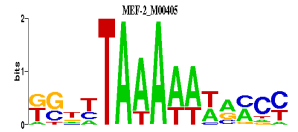
Name	E value	Alignment	Motif
avian_M00311	4.3777e-08	-TTTAAATA GCTTAWATA	

Stamp Results

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MEF-2_M00405 3.3540e-06

-----TATTTAAA--
RGKNWTTTTTTANNSM



GT-1_M00635 5.2248e-06

TATTTAAA
TWTNNA--



TEF_M00672 1.2066e-05

-TATTTAAA--
TTATNTNANCA



TBP_M00713 1.2819e-05

TATTTAAA-
-ATATAAAN



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