

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

Input file: 45 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)

```

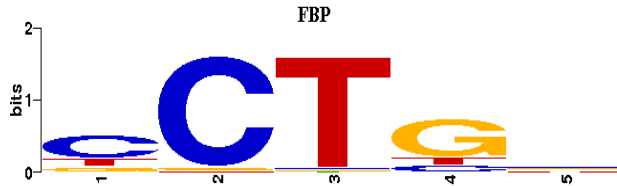
M0 :          TTTTTTATTTTTTTTTTTTTTTTTT-----
M1 :          AAATTTTTTTTTTAAAAAAAAAATT-----
M2 :          -----GTGACCTTGG-----
M3 :          ---TGTGTGTGTGTGTGTGTGTGTG-----
M4 :          -----CCCCCCCCCTCCTCCCCCCCCC-----
M5 :          -----CCCCCCCCCTCCTCCCCCCCCC-----
M6 :          -----GGGGGGCGGGGCTGGGGGGGGGG-----
M7 :          -----CCTCTGCCTCC-----
M8 :          -----TTTTTCTTTCCTTCT-----
M9 :          -----TTTTTTTTTCTTYCCTTTTTTT-----
M10 :         -----CCCAGCYCTGG-----
M11 :         -----CCCTGTCTCCT-----
M12 :         -----CCTCTGNCCCC-----
M13 :         -----TKCCCTCTGC-----
M14 :         -----CCTGACCTTG-----
M15 :         -----CTGCTGCCTGC-----
M16 :         -----CCCCTKCCCTTCTCC-----
M17 :         -----CCCCCTSCCCTCCAGCCCCCCC-----
M18 :         -----CCTGGSAGCCAGGG-----
M19 :         -----CTGWGGGTG-----
M20 :         -----CTCTGAGCT-----
M21 :         -----KCTGCCAG-----
M22 :         -----GCAGCTGGCTG-----

```

```

M23: -----CTGAGCTCC-----
M24: -----AGCCTCCACC-----
M25: -----CCCTGGCCCCCTGCC-----
M26: -----CMCCCTCTCCCCCCCC-----
M27: -----CCCCCTGTCCCTGCCCCCCCC-----
M28: -----GGGAAGCTGGG-----
M29: -----CCTTGGCYTT-----
M30: -----GGGGGCTGGNGCCTG-----
M31: -----GGCCCCKGG-----
M32: -----CTGTGTCTCTG-----
M33: -----CAGRGCCTGC-----
M34: -----CTGCTTGGG-----
M35: -----CTGTGTGRCCTTG-----
M36: -----TTTCTTTTGA-----
M37: -----TCTGCATGCAG-----
M38: -----CCTGGAGACCTGGG-----
M39: -----CCATGTCCTT-----
M40: -----CCTGGGGA-----
M41: -----TTTCTGGG-----
M42: -----GGCCACTG-----
M43: -----CCCTTCAG-----
M44: -----GCTGACAG-----
    
```

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



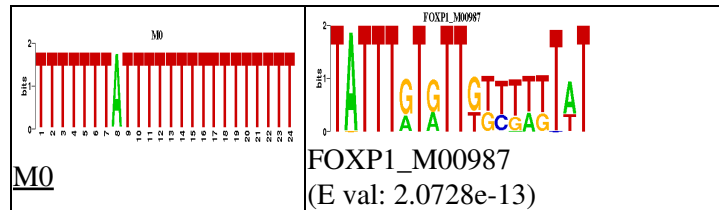
Motif Tree

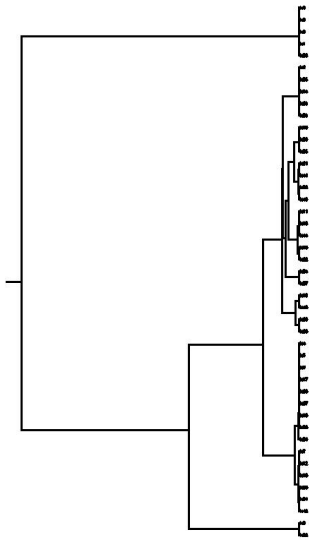
Tree (drawn by [Phylip](#))

[Click here for Newick-format tree](#) (viewable with [MEGA](#))

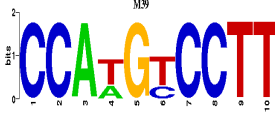



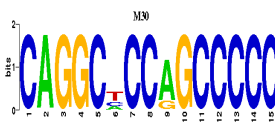



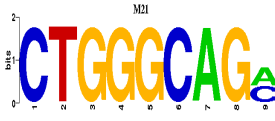



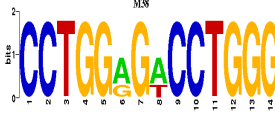

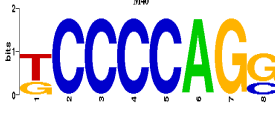
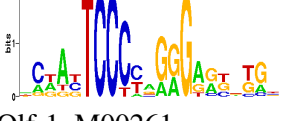
Input Motif

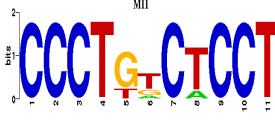



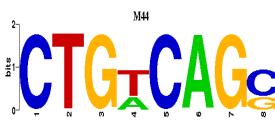


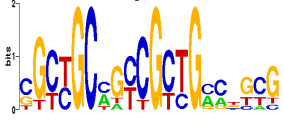
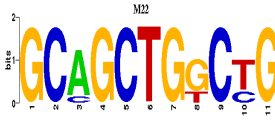

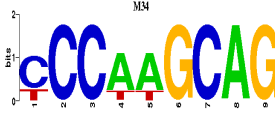



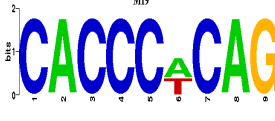

Best match in
TRANSFAC

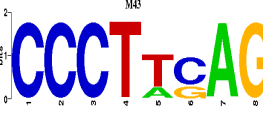

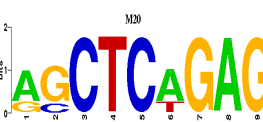



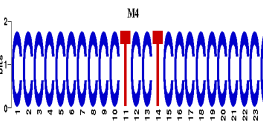
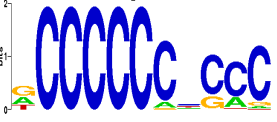
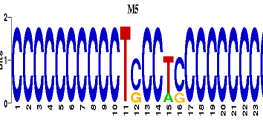
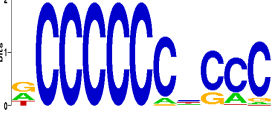
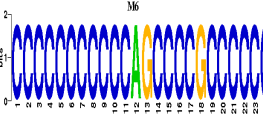

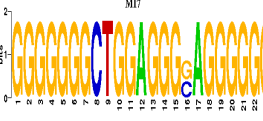





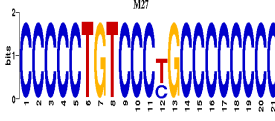
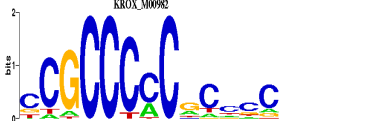




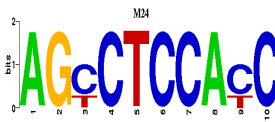




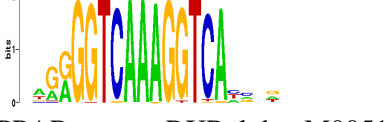

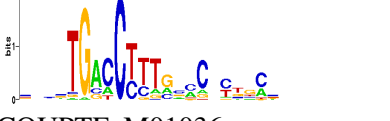
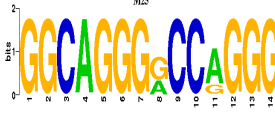



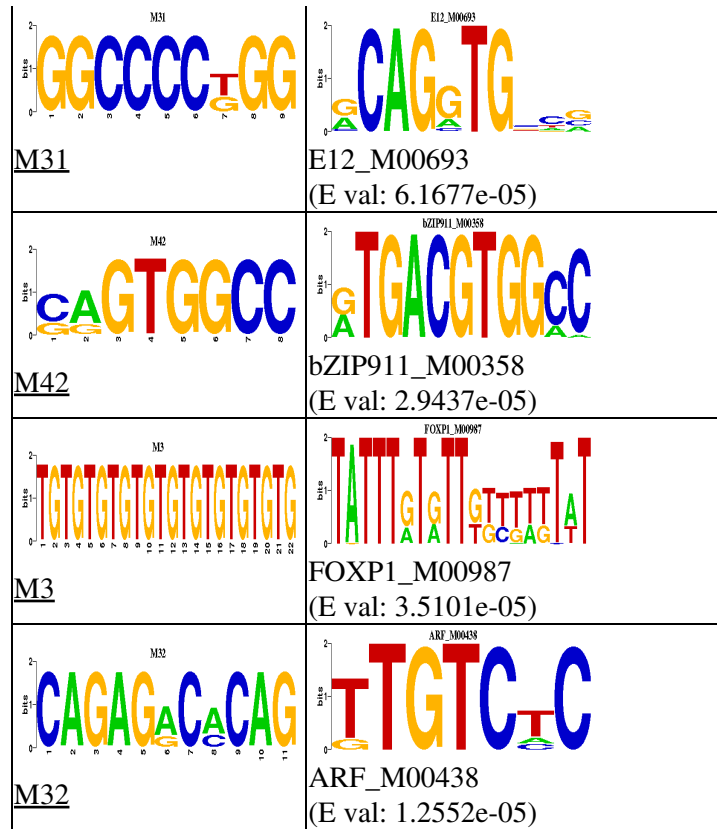
<p>M9</p>	<p>MCM1+SFF_M01051 (E val: 1.0359e-09)</p>
<p>M8</p>	<p>HSF_M00163 (E val: 3.3862e-07)</p>
<p>M1</p>	<p>MEF-2_M00006 (E val: 1.0134e-06)</p>
<p>M36</p>	<p>Rim101p_M01030 (E val: 4.7582e-06)</p>
<p>M2</p>	<p>SF1_M00727 (E val: 7.9621e-10)</p>
<p>M35</p>	<p>SF1_M00727 (E val: 1.2295e-08)</p>
<p>M14</p>	<p>SF1_M00727 (E val: 1.7936e-09)</p>
<p>M29</p>	<p>GCNF_M00526 (E val: 3.7318e-05)</p>

 <p>M39</p>	 <p>Opaque-2_M00374 (E val: 3.9566e-07)</p>
 <p>M10</p>	 <p>Alfin1_M00479 (E val: 3.5223e-07)</p>
 <p>M30</p>	 <p>KROX_M00982 (E val: 1.6200e-06)</p>
 <p>M33</p>	 <p>Ttk_M00009 (E val: 6.8086e-04)</p>
 <p>M21</p>	 <p>SMAD4_M00733 (E val: 1.5024e-04)</p>
 <p>M41</p>	 <p>STAT_M00777 (E val: 3.2287e-06)</p>
 <p>M38</p>	 <p>XPF-1_M00684 (E val: 2.4845e-05)</p>
 <p>M40</p>	 <p>Olf-1_M00261 (E val: 3.7368e-07)</p>

 <p>M11</p>	 <p>ARF_M00438 (E val: 6.1932e-06)</p>
 <p>M18</p>	 <p>SMAD4_M00733 (E val: 1.1837e-04)</p>
 <p>M44</p>	 <p>TGIF_M00418 (E val: 3.4835e-09)</p>
 <p>M15</p>	 <p>Adf-1_M00923 (E val: 1.8246e-06)</p>
 <p>M22</p>	 <p>HEB_M00698 (E val: 8.1701e-09)</p>
 <p>M34</p>	 <p>NGFI-C_M00244 (E val: 1.7038e-05)</p>
 <p>M37</p>	 <p>Nrf-1_M00652 (E val: 3.6758e-04)</p>
 <p>M19</p>	 <p>CACCC-binding_M00721 (E val: 3.1567e-07)</p>

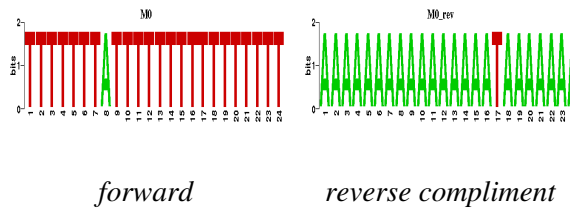
 <p>M43</p>	 <p>EBF_M00977 (E val: 7.5382e-06)</p>
 <p>M20</p>	 <p>CDC5_M00361 (E val: 2.1137e-06)</p>
 <p>M23</p>	 <p>Pax_M00808 (E val: 8.1377e-07)</p>
 <p>M4</p>	 <p>ZNF219_M01122 (E val: 1.3895e-10)</p>
 <p>M5</p>	 <p>ZNF219_M01122 (E val: 1.3895e-10)</p>
 <p>M6</p>	 <p>ZNF219_M01122 (E val: 1.3895e-10)</p>
 <p>M17</p>	 <p>ZNF219_M01122 (E val: 5.2785e-10)</p>
 <p>M26</p>	 <p>UF1H3BETA_M01068 (E val: 1.2389e-07)</p>
<p> </p>	<p> </p>

 <p>M27</p>	 <p>KROX_M00982 (E val: 5.3769e-08)</p>
 <p>M16</p>	 <p>BLIMP1_M01066 (E val: 6.7664e-07)</p>
 <p>M28</p>	 <p>MAF_M00648 (E val: 4.3794e-07)</p>
 <p>M24</p>	 <p>TFII-I_M00706 (E val: 2.8605e-05)</p>
 <p>M7</p>	 <p>Adf-1_M00171 (E val: 1.9394e-05)</p>
 <p>M12</p>	 <p>PPARgamma-RXRalpha_M00512 (E val: 1.4107e-06)</p>
 <p>M13</p>	 <p>COUPTF_M01036 (E val: 3.7157e-07)</p>
 <p>M25</p>	 <p>E12_M00693 (E val: 5.8774e-06)</p>

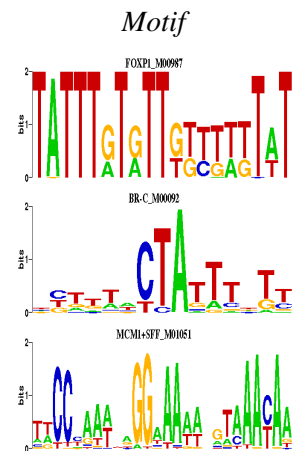


Motif Similarity Matches

M0



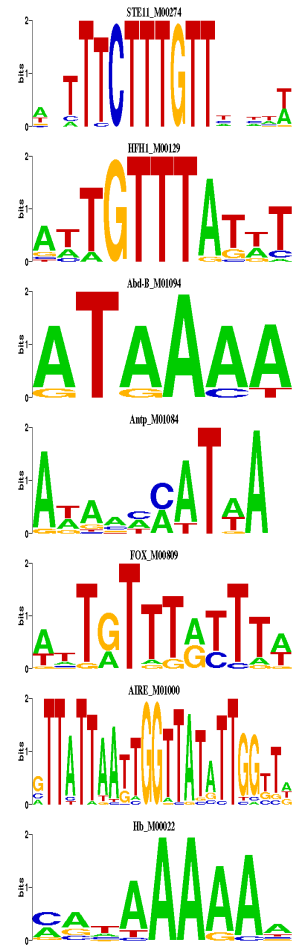
Name	E value	Alignment
FOXP1_M00987	2.0728e-13	AAAAAAAAAAAAAAAAAATAAAAAA -----ATAAAAAACAACAAATA
BR-C_M00092	9.9995e-11	AAAAAAAAAAAAAAAAAATAAAAAA- -----RANAAATAGNWNNNN
MCM1+SFF_M01051	2.2915e-09	TTTTTTTATTTTTTTTTTTTTTTT--- -TTRTTTANNTWTNCCNNWTTNGNA



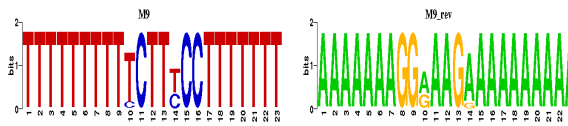
Stamp Results

04/30/14

STE11_M00274	1.8823e-07	AAAAAAAAAAAAAAAAAATAAAAAA WNNNNAACAAAGAAANW-----
HFH1_M00129	1.2822e-06	AAAAAAAAAAAAAAAAAATAAAAAA -----AWATAAACAWT
Abd-B_M01094	1.4103e-06	TTTTTTTATTTTTTTTTTTTTTTTT ---TTTTAT-----
Antp_M01084	3.0868e-06	TTTTTTTATTTTTTTTTTTTTTTTT ---NTWATKNNWT-----
FOX_M00809	3.6094e-06	AAAAAAAAAAAAAAAAAATAAAAAA -----WAAAYAAACANT
AIRE_M01000	7.1302e-06	TTTTTTTATTTTTTTTTTTTTTTTT NTTATTAATTGGTTATATTGGKTN
Hb_M00022	1.0610e-05	TTTTTTTATTTTTTTTTTTTTTTTT -NTTTTTNYK-----



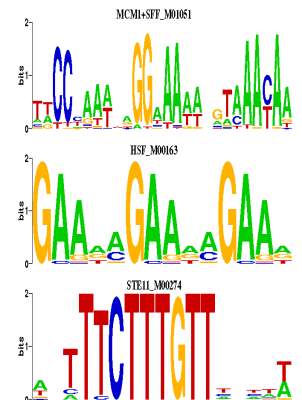
M9



forward


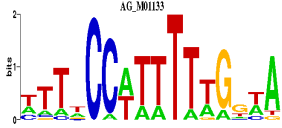



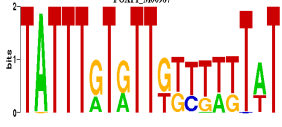

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>
MCM1+SFF_M01051	1.0359e-09	TTTTTTTTTCTTYCCTTTTTT--- TTRTTTANNTWTTNCCNNWTTNGGNA
HSF_M00163	4.0929e-08	AAAAAAGGRAAGAAAAA --GAANAGAANAGAAN-----
STE11_M00274	5.7933e-07	TTTTTTTTTCTTYCCTTTTTT -----WNTTTCCTTGTNNNNW-

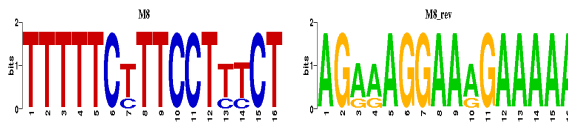


Stamp Results

04/30/14

STE11_M01005	6.3870e-07	TTTTTTTTTCTTYCCTTTTTTT TTTCTTTGTT-----	
AG_M01133	3.6903e-06	---AAAAAAGGRAAGAAAAAAAAA TWNCAAAAAGGNAAN-----	
BR-C_M00092	5.6802e-06	-AAAAAAGGRAAGAAAAAAAAA RANAAATAGNWNNN-----	
MADS-A_M00408	8.1855e-06	TTTTTTTTTCTTYCCTTTTTTT--- -----TTTCCATTTTNNWN	
MADS-B_M00404	1.1345e-05	TTTTTTTTTCTTYCCTTTTTTT-- -----TTTSCATTTTTRGN	
FOXP1_M00987	1.4676e-05	TTTTTTTTTCTTYCCTTTTTTT ---TATTTGTGTTGTTTTTAT-	
BR-C_M00094	1.7027e-05	TTTTTTTTTCTTYCCTTTTTTT -----TTWTSITTAYWW-----	

M8

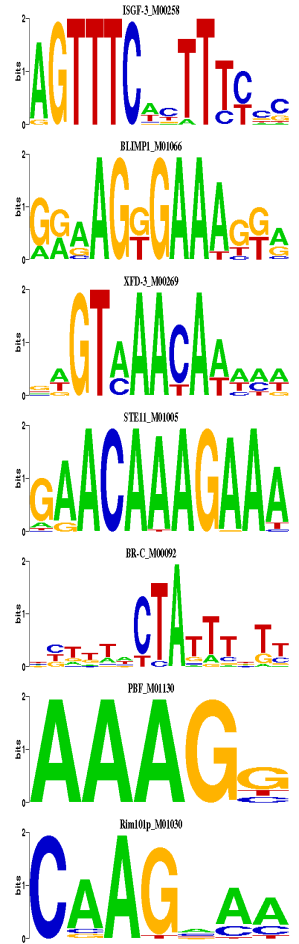


forward

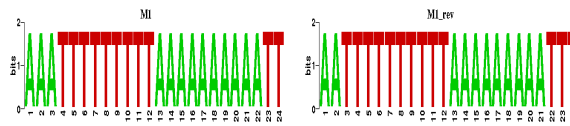
reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
HSF_M00163	3.3862e-07	TTTTCTTTCCTTTCT --NTTCTNTTCTNTTC	
STE11_M00274	1.1193e-06	-AGAAAGGAAAGAAAAA WNNNAACAAAGAAANW	
BR-C_M00094	3.8256e-06	TTTTCTTTCCTTTCT -TTWTSITTAYWW---	

ISGF-3_M00258	5.5967e-06	AGAAAGGAAAGAAAA-- ----GNGAAANWGAAACT
BLIMP1_M01066	9.3288e-06	TTTTTCTTTCCTTTCT ---YMCTTTCMCTTYC
XFD-3_M00269	1.4908e-05	TTTTTCTTTCCTTTCT WKWTTGTTTACWN---
STE11_M01005	3.3238e-05	TTTTTCTTTCCTTTCT --TTTCTTTGTTT---
BR-C_M00092	6.2594e-05	AGAAAGGAAAGAAAA-- --RANAAATAGNWNNNN
PBF_M01130	9.5997e-05	TTTTTCTTTCCTTTCT -----CCTTT--
Rim101p_M01030	1.3148e-04	AGAAAGGAAAGAAAA -----CAAGNAA--



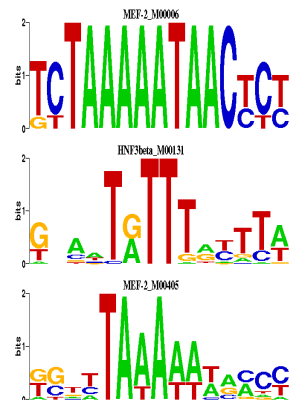
M1



forward




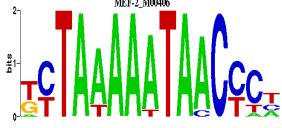


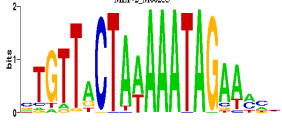
reverse compliment

Name	E value	Alignment
MEF-2_M00006	1.0134e-06	AATTTTTTTTTTAAAAAAAATTT -----TCTAAAAATAACYCY
HNF3beta_M00131	2.3403e-06	-AATTTTTTTTTTAAAAAAAATTT GNANRTRTTTRYTTW-----
MEF-2_M00405	2.4079e-06	AAATTTTTTTTTTAAAAAAAATTT --RGKNWTTTTTANNM-----



Stamp Results

04/30/14

FOX_M00809	5.9978e-06	AAATTTTTTTTTTAAAAAAAAAATT -----WAAAYAAACANT-	
HSF_M00164	9.8839e-06	--AAATTTTTTTTTTAAAAAAAAAATT AGAANN TTCNTTC-----	
HFH1_M00129	1.1569e-05	AATTTTTTTTTTTTTAAAAAAAAAATT -AWGTTTTATWT-----	
MEF-2_M00406	1.3971e-05	AAATTTTTTTTTTTTTAAAAAAAAAATT NGGTTATTTTTT AGM-----	
HFH4_M00742	1.6228e-05	AAATTTTTTTTTTTTTAAAAAAAAAATT -----TAAACAAACAMW-	
FOXD3_M00130	1.9162e-05	AATTTTTTTTTTTTTAAAAAAAAAATT -AWGTTTNTTT-----	
MEF-2_M00233	3.0464e-05	-AATTTTTTTTTTTTTAAAAAAAAAATT NNNTTCTATTTTTAGTAACAN----	

M36

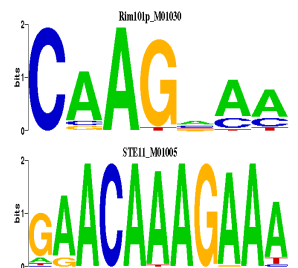


forward

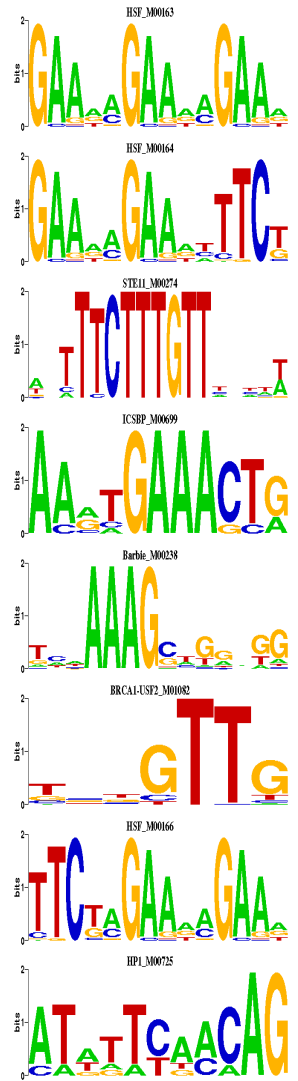
reverse compliment

Name	E value	Alignment
Rim101p_M01030	4.7582e-06	TTTCTTTTGA TTNCTTG---
STE11_M01005	5.2716e-06	TTTCTTTTGA- TTTCTTTGTT

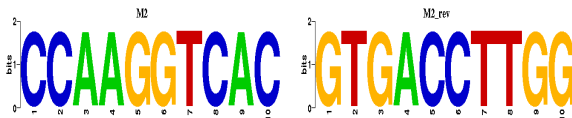
Motif



HSF_M00163	7.4353e-06	-----TTTCTTTTGA NTTCTNTTCTNTTC-
HSF_M00164	7.4353e-06	-----TTTCTTTTGA AGAANNTTCTNTTC-
STE11_M00274	1.1698e-04	-----TCAAAAGAAA-- WNNNNAACAAAGAAANW
ICSBP_M00699	1.9489e-04	---TTTCTTTTGA CAGTTTCAYTT--
Barbie_M00238	2.3964e-04	----TTTCTTTTGA CMNNCNSCTTTNNN
BRCA1-USF2_M01082	2.4335e-04	TCAAAAGAAA -CAACNNN--
HSF_M00166	4.4214e-04	TTTCTTTTGA----- NTTCTNTTCTAGAA
HP1_M00725	6.1465e-04	TTTCTTTTGA----- ---CTGTTGAAWAT



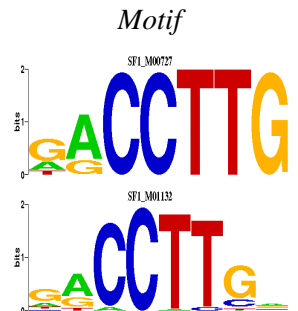
M2



forward



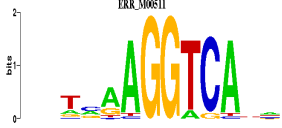



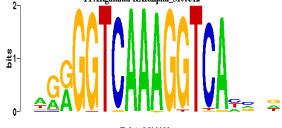

reverse compliment

Name	E value	Alignment
SF1_M00727	7.9621e-10	CCAAGGTCAC -CAAGGTC--
SF1_M01132	2.6326e-08	CCAAGGTCAC NCAAGGTN--

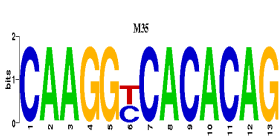


Stamp Results

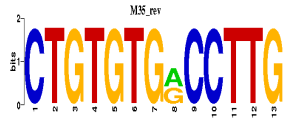
04/30/14

RORalpha1_M00156	2.8290e-08	GTGACCTTGG-- NTGACCTNNWWN	
PPAR,_M00762	1.4950e-07	---CCAAGGTCAC GGNCAAAGGTCA-	
ERR_M00511	2.3367e-07	--CCAAGGTCAC- NNNNAAGGTCANN	
HNF4alpha1_M00411	1.4226e-06	GTGACCTTGG---- NTGACCTTTGNCCY	
PPAR_M00528	1.8407e-06	-----CCAAGGTCAC NNNNGGNCAAAGGTCA-	
GCNF_M00526	2.1903e-06	-GTGACCTTGG----- NNTGAMCTTGAACTTGA	
PPARgamma-RXRalpha_M00512	2.2080e-06	---GTGACCTTGG----- NNNNTGACCTTTGACCYCNN	
v-ErbA_M00239	2.7428e-06	----GTGACCTTGG- NNSNGTGACCTYANN	

M35



forward



reverse compliment

Name

E value

Alignment

Motif

SF1_M00727

1.2295e-08

CAAGGYCACACAG
CAAGGTC-----



Stamp Results

04/30/14

SF1_M01132 2.6488e-07

-CAAGGYCACACAG
NCAAGGTN-----



RORalpha1_M00156 1.9310e-05

CTGTGTGRCCTTG---
----NTGACCTNNWWN



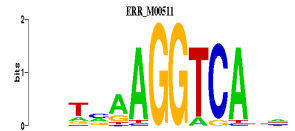
LRH1_M01142 8.4072e-05

---CAAGGYCACACAG
NTNCAAGGYN-----



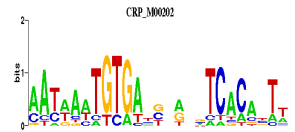
ERR_M00511 1.6181e-04

CTGTGTGRCCTTG---
---NNTGACCTTNNNN



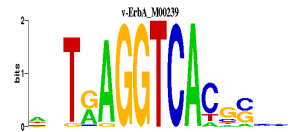
CRP_M00202 3.4986e-04

CTGTGTGRCCTTG-----
WANTGTGANNYNNTCACAWTWATT



v-ErbA_M00239 3.6864e-04

CTGTGTGRCCTTG--
NNSNGTGACCTYANN



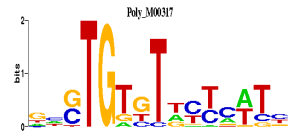
CF1_M00112 5.1476e-04

CTGTGTGRCCTTG
---NGTGACCC--



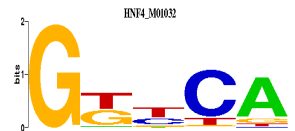
Poly_M00317 6.1063e-04

--CTGTGTGRCCTTG
NNSGTGKTNYYMWTN

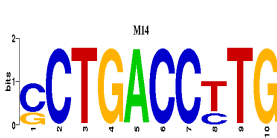


HNF4_M01032 6.8252e-04

CAAGGYCACACAG
---GKYCA-----



M14



forward

reverse compliment

Name

E value

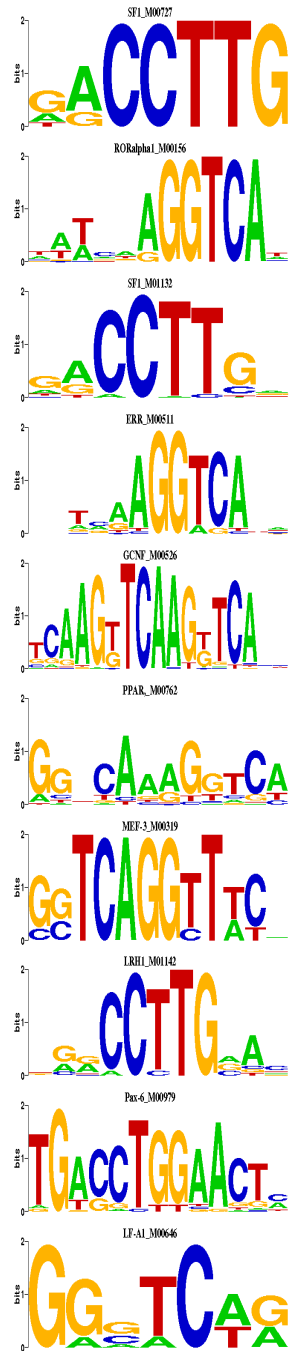
Alignment

Motif

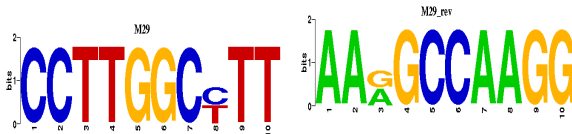
Stamp Results

04/30/14

SF1_M00727	1.7936e-09	CAAGGTCAGG CAAGGTC---
RORalpha1_M00156	3.0208e-08	CCTGACCTTG--- -NTGACCTNNWWN
SF1_M01132	5.5253e-08	-CAAGGTCAGG NCAAGGTN---
ERR_M00511	4.7202e-07	---CAAGGTCAGG NNNNAAGGTCANN
GCNF_M00526	9.3681e-07	-CAAGGTCAGG----- TCAAGTTCAAGKTCANN
PPAR,_M00762	8.7990e-06	----CAAGGTCAGG GGNCAAAGGTCA--
MEF-3_M00319	3.6471e-05	CAAGGTCAGG----- ---GSTCAGGTTWCN
LRH1_M01142	6.8120e-05	---CAAGGTCAGG NTNCAAGGYN--
Pax-6_M00979	7.8970e-05	-----CAAGGTCAGG KAGTTCCAGGTCA--
LF-A1_M00646	8.0819e-05	CCTGACCTTG -YWGASCC--



M29



forward

reverse complement








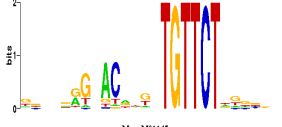


<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
GCNF_M00526	3.7318e-05	-----CCTTGGCYTT-- NNTGAMCTTGAACCTGA	
alpha-CP1_M00687	1.1587e-04	AARGCCAAGG-- --AGCCAATGAG	
PacC_M00247	4.9495e-04	-----CCTTGGCYTT NNNNNNKCYTGCCNGN	
BLIMP1_M01066	5.4348e-04	-CCTTGGCYTT-- YMCTTTCMCTTYC	
SF1_M00727	6.6516e-04	AARGCCAAGG-- -----CAAGGTC	
CCAAT_M00254	1.0376e-03	-CCTTGGCYTT TSATTGGYNN	
dTCF_M00362	1.3997e-03	AARGCCAAGG AAGATCAAAG	
HNF4,_M00967	1.4963e-03	CCTTGGCYTT --NTGGACYT	
IRF-2_M00063	1.5283e-03	-CCTTGGCYTT- RSTTTCRCTTTT	
Roaz_M00467	1.5437e-03	----CCTTGGCYTT KCACCCTTGGGTG-	

M39

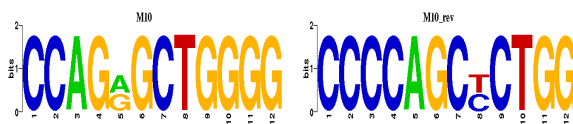


forward

reverse compliment

Name	E value	Alignment	Motif
Opaque-2_M00374	3.9566e-07	CCATGTCCTT CCATRTCAT-	
ATF6_M00483	8.7331e-05	CCATGTCCTT CCACGTC---	
p53_M00272	1.0578e-04	-CCATGTCCTT GRCWTGYCY--	
p53_M00761	3.5072e-04	AAGGACATGG- --NGNCWTGYC	
T3R_M00963	4.1283e-04	AAGGACATGG NAGGWCAN--	
bZIP910_M00356	5.0362e-04	--CCATGTCCTT KGCCACGTCAT-	
PR_M00960	5.6420e-04	CCATGTCCTT- --NTGYCENNW	
PR_M00957	6.6884e-04	-----CCATGTCCTT----- NNNNNNNAGAACANNNGTNCYNNNNN	
c-Myc_M01145	7.7499e-04	AAGGACATGG- GAGCACGTGGT	
Nanog_M01123	8.5180e-04	AAGGACATGG--- --GGMAATGGNCC	

M10

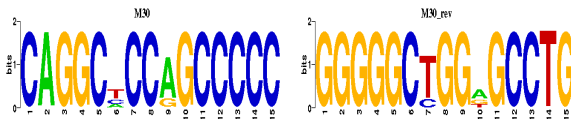


forward

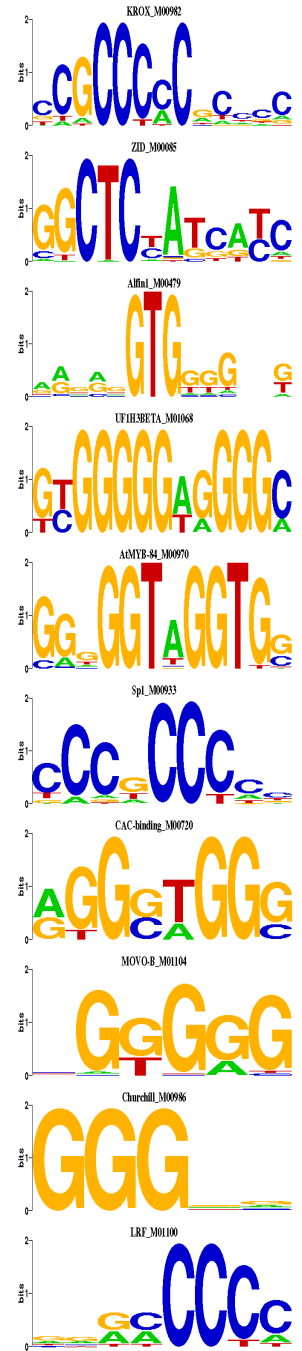
reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Alfin1_M00479	3.5223e-07	---CCCCAGCYCTGG MNNCCCCACNYNYN-	
CAC-binding_M00720	1.9264e-05	CCAGRGCTGGGG ---RGGSTGGG-	
Barbie_M00238	7.0099e-05	-CCCCAGCYCTGG- CMNNCNSCTTTNNN	
KROX_M00982	9.5301e-05	CCAGRGCTGGGG--- --GNNGNNGGGGCGG	
Sp1_M00931	1.0154e-04	CCCCAGCYCTGG NCCCCGCC---	
ZBRK1_M01105	1.5111e-04	CCAGRGCTGGGG-- AAANNCTGCKSCC	
LBP-1_M00644	1.6634e-04	CCCCAGCYCTGG --SCAGN----	
AP-4_M00005	1.7247e-04	----CCAGRGCTGGGG- MNGNCNNCAGCTGNNNN	
Eve_M00629	2.2541e-04	CCAGRGCTGGGG GCNGSSWN---	
HEB_M00698	2.3557e-04	CCAGRGCTGGGG ---CAGCWGG--	

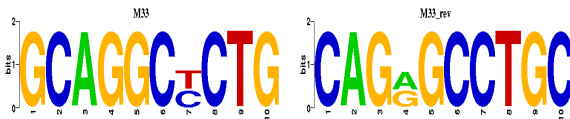
M30



	<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>
KROX_M00982	1.6200e-06	CAGGCNCCAGCCCCC -CCGCCCCCNCNNC-
ZID_M00085	1.9753e-06	GGGGGCTGGNGCCTG -GRTGATRGAGCC--
Alfin1_M00479	1.4724e-05	CAGGCNCCAGCCCCC -MNNCCCCACNYNYN
UF1H3BETA_M01068	6.3294e-05	CAGGCNCCAGCCCCC- ---GCCCTCCCCRC
AtMYB-84_M00970	8.0756e-05	GGGGGCTGGNGCCTG GGNGGTAGGTGS---
Sp1_M00933	8.1747e-05	CAGGCNCCAGCCCCC -----CCCKCCCN
CAC-binding_M00720	8.3854e-04	GGGGGCTGGNGCCTG --RGGSTGGG-----
MOVO-B_M01104	9.5660e-04	CAGGCNCCAGCCCCC- -----CCCCCN
Churchill_M00986	9.7507e-04	CAGGCNCCAGCCCCC -----NNCCC
LRF_M01100	1.3852e-03	GGGGGCTGGNGCCTG GGGGKYNN-----

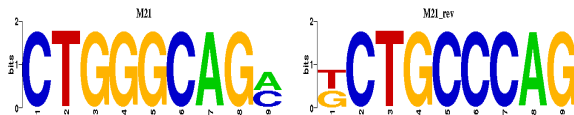


M33



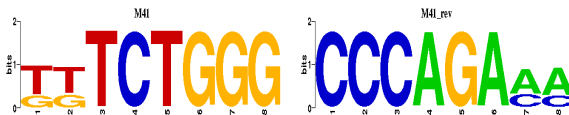
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Ttk_M00009	6.8086e-04	GCAGGCYCTG GCAGGAC---	
LF-A1_M00646	1.3859e-03	CAGRGCCTGC YWGASCC---	
HSF_M00641	1.7126e-03	GCAGGCYCTG-- GAARCYNCKNGA	
Eve_M00629	1.8269e-03	-CAGRGCCTGC GCNGNSSWN--	
Adf-1_M00923	3.4273e-03	----GCAGGCYCTG----- SGCYGCMGYCGCTGMMNKYG	
Hmx3_M00433	5.6493e-03	GCAGGCYCTG -CACGCACTT	
E2A_M00973	6.5929e-03	-GCAGGCYCTG RNCAGNT----	
KAISO_M01119	7.4324e-03	---GCAGGCYCTG NTNGCAGGA----	
myogenin_M00712	8.7903e-03	CAGRGCCTGC ---CASCTGN	
Nrf-1_M00652	8.8369e-03	CAGRGCCTGC -YGCGCAYGC	

M21



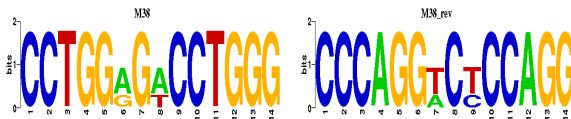
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
SMAD4_M00733	1.5024e-04	CTGGGCAGM----- NSRKNCAGMCANCY	
HNF4_M01033	1.8795e-04	KCTGCCCCAG --TGNNC--	
CP2_M00072	1.2288e-03	CTGGGCAGM- CTGGKTNGNG	
TAL1_M00993	1.3887e-03	CTGGGCAGM--- ---RNCAGNTGG	
Sp3_M00665	1.5648e-03	-KCTGCCCCAG--- CCCYSCCCAAGKS	
CP2-LBP-1c-LSF_M00947	2.0490e-03	-----KCTGCCCCAG CNRGNNNNANCCAG	
SRF_M00152	2.3039e-03	-----CTGGGCAGM ANNCCATATATGGGCA--	
LBP-1_M00644	2.7866e-03	CTGGGCAGM- ----SCAGCN	
NGFI-C_M00244	3.0846e-03	---CTGGGCAGM TGCGTGGGYGG-	
ERF2_M01057	4.4434e-03	CTGGGCAGM ---GGCGGC	



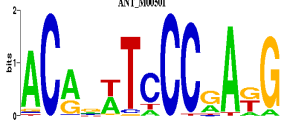


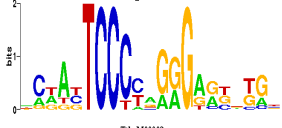



M41



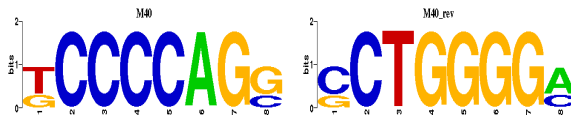
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
STAT_M00777	3.2287e-06	-CCCAGAAA--- TCCNAGAANNNN	
Rim101p_M01030	7.7070e-06	TTTCTGGG TTNCTTG-	
STATx_M00223	1.8527e-05	-CCCAGAAA TCCCRKAA-	
Osf2_M00731	2.4423e-05	TTTCTGGG KNTGTGG-	
STAT5A_M00460	3.6398e-05	-----TTTCTGGG- YNCNNGGAANNNNNTTCNNNGA	
RAP1_M00213	3.8118e-05	--TTTCTGGG--- NRTGTATGGGTKY	
DEAF1_M01002	2.0271e-04	----CCCAGAAA----- NMNYNCCGGAAANNCCCGAANNNN	
STAT_M00259	2.0886e-04	-----CCCAGAAA----- NNNNTTTCCSGGAAANNNNN	
STAT3_M00225	5.2157e-04	----TTTCTGGG----- NNNATTTCCSGGAAATGNNN	
Staf_M00262	7.4228e-04	-----TTTCTGGG--- NNCGYRNTGCATKNTGGGWAN	

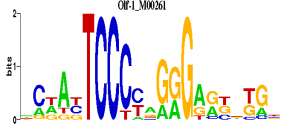





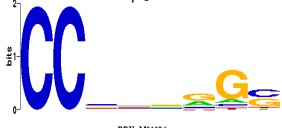

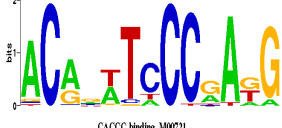

M38



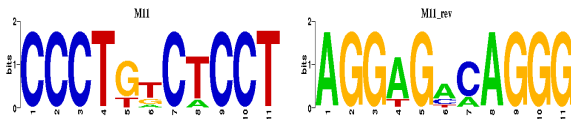
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
XPF-1_M00684	2.4845e-05	CCCAGGTCTCCAGG ----GKTSNYCNG-	
ATF6_M00483	1.5038e-04	CCCAGGTCTCCAGG -CCACGTC-----	
ANT_M00501	1.9455e-04	CCTGGAGACCTGGG CMTYGGAWNTGT-	
SF1_M00727	4.4735e-04	CCCAGGTCTCCAGG -CAAGGTC-----	
Poly_M00211	5.2891e-04	CCTGGAGACCTGGG ----GAGACCAC--	
Pax-6_M00979	9.3942e-04	----CCCAGGTCTCCAGG KAGTTCAGGTCA-----	
Olf-1_M00261	1.5380e-03	CCCAGGTCTCCAGG----- -NCNANTCCCYNGGGARNNKGN	
Ttk_M00009	1.5452e-03	CCCAGGTCTCCAGG -GCAGGAC-----	
E12_M00693	1.6201e-03	CCTGGAGACCTGGG ---NNNCACCTGY-	
SF1_M01132	2.4733e-03	CCCAGGTCTCCAGG NCAAGGTN-----	

M40



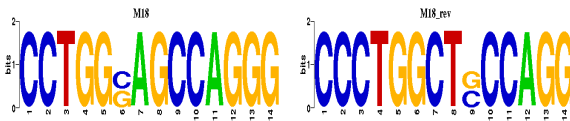
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Olf-1_M00261	3.7368e-07	-----CCTGGGGA----- NCMNNYTCNCRGGGANTNGN	
AP-2_M00915	6.4459e-07	--CCTGGGGA-- NGCCNGNGGNNN	
EBF_M00977	8.1323e-06	--CCTGGGGA NCYCWRGGGA	
AP-2gamma_M00470	3.2101e-05	TCCCAGG SCC>NNGG	
AP-2_M00800	8.9801e-05	-----CCTGGGGA NNYNYNGCCYGSSGS	
SREBP-1_M00749	9.3983e-05	CCTGGGGA --TGSGT	
AP-2alpha_M00469	1.5525e-04	-CCTGGGGA SCNNNNGG-	
BRK_M01096	2.0178e-04	CCTGGGGA -NTGGCG-	
ANT_M00501	2.3919e-04	CCTGGGGA----- CMTYGGGAWNTGT	
CACCC-binding_M00721	2.5394e-04	-----CCTGGGGA- CCNCACCCWNNKGNT	

M11



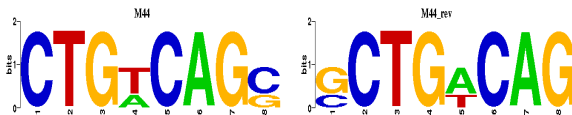
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
ARF_M00438	6.1932e-06	AGGAGACAGGG --GAGACAA--	
SMAD3_M00701	2.1986e-04	AGGAGACAGGG ---AGNCAGAC	
E2A_M00973	5.5845e-04	AGGAGACAGGG ----RNCAGNT	
Lmo2_M00278	5.7401e-04	AGGAGACAGGG ---MGATANS	
E2A_M00804	7.2159e-04	-CCCTGTCTCCT- CACCTGNCNCNKN	
YY1_M00069	7.7215e-04	AGGAGACAGGG----- WNSANNCAAGATGGCNGNN	
ABF1_M00399	1.8056e-03	-----CCCTGTCTCCT--- NNTCNNGCCACGTGTCCCNNNNW	
Zta_M00711	2.7653e-03	--CCCTGTCTCCT NANNNTGRCWCA-	
MyoD_M00184	2.9226e-03	--CCCTGTCTCCT NCANCTGNC----	
Sn_M00044	5.2513e-03	AGGAGACAGGG-- TNNNANCANTNN	





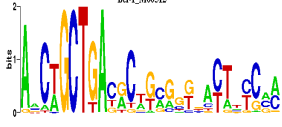




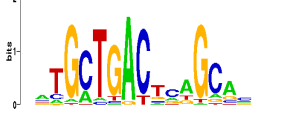
M18



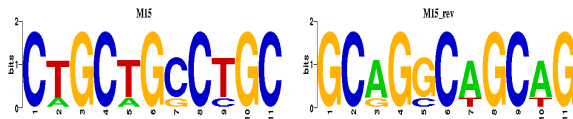
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
SMAD4_M00733	1.1837e-04	CCCTGGCTSCCAGG RGNTGKCTGNMYSN	
BRK_M01096	3.0504e-04	CCCTGGCTSCCAGG --NTGGCG-----	
TGIF_M00418	1.0088e-03	-CCTGGSAGCCAGGG WNNTGACAGC-----	
Lyf-1_M00141	1.0268e-03	CCCTGGCTSCCAGG -----YCTCCCAA--	
ABF1_M00401	2.5884e-03	-----CCTGGSAGCCAGGG TCKNNTNGNTGACGTGGCMNNGNGRC	
YY1_M00069	3.3467e-03	CCTGGSAGCCAGGG----- ---WNSANCAAGATGGCNGNN	
RBP-Jkappa_M01111	4.7227e-03	CCTGGSAGCCAGGG NGTGGGA-----	
ERF2_M01057	7.8420e-03	CCCTGGCTSCCAGG ----GGCGGC----	
FACB_M00388	8.2833e-03	-----CCCTGGCTSCCAGG----- NNNNTCCNNTNSNNNNNGGAKNNNN	
Zta_M00711	1.0631e-02	CCTGGSAGCCAGGG-- ----TGWGYCANNNTN	

M44



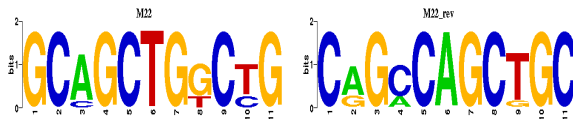
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
TGIF_M00418	3.4835e-09	GCTGACAG-- GCTGTCANNW	
LMAF_M01139	1.0733e-05	--GCTGACAG CTGCTGAS--	
MEIS1_M00419	4.4745e-05	---CTGTCAGC NNNCTGTCANN	
bZIP910_M00357	9.5747e-05	CTGTCAGC--- ACGTCAGCAYS	
Bel-1_M00312	4.0366e-04	-----CTGTCAGC----- KNGRNAGTNMNCKCWGYRTCAGCAGNT	
Skn-1_M00229	5.4228e-04	-CTGTCAGC-- NWTGTCATNNN	
CREB_M00801	8.1860e-04	GCTGACAG -NTGAC--	
c-Maf_M01070	8.2097e-04	-----CTGTCAGC----- NNNNNNNGTCAGCANNNN	
SMAD3_M00701	1.1266e-03	GCTGACAG-- --AGNCAGAC	
v-Maf_M00035	1.4117e-03	---GCTGACAG----- NNTGCTGACNNNGCANNN	

M15



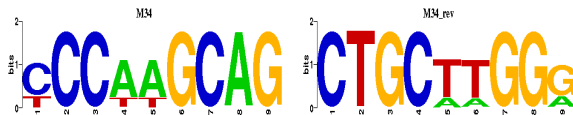
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Adf-1_M00923	1.8246e-06	-GCAGGCAGCAG----- CRMNKKCAGCGRCKGCRGCS	
NERF1a_M00531	2.2447e-06	-----CTGCTGCCTGC- SNNASNYRCTTCTGNY	
LMAF_M01139	4.7618e-06	CTGCTGCCTGC CTGCTGAS---	
HEB_M00698	5.1598e-05	GCAGGCAGCAG- -----CAGCWGG	
Tel-2_M00678	9.1789e-05	CTGCTGCCTGC -TACTTCTG-	
AP-4_M00927	1.3417e-04	GCAGGCAGCAG- -----RCAGCTGN	
myogenin_M00712	1.4144e-04	CTGCTGCCTGC CASCTGN----	
LBP-1_M00644	3.0282e-04	GCAGGCAGCAG ----SCAGCN-	
SMAD4_M00733	3.0985e-04	CTGCTGCCTGC----- -RGNTGKCTGNMYSN	
c-Ets-1_M00743	5.2861e-04	CTGCTGCCTGC --GCTTCK--	

M22



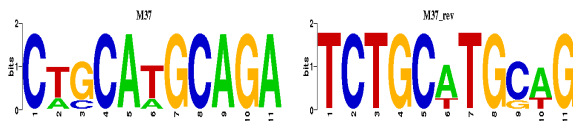
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
HEB_M00698	8.1701e-09	GCAGCTGGCTG -CAGCWGG---	
TAL1_M00993	1.0974e-08	-GCAGCTGGCTG RNCAGNTGG---	
AP-4_M00005	6.6670e-08	-----GCAGCTGGCTG MNGNCNNCAGCTGNNNN	
myogenin_M00712	7.9745e-08	CAGCCAGCTGC ----CASCTGN	
AP-4_M00927	1.0428e-07	GCAGCTGGCTG RCAGCTGN---	
SMAD4_M00733	2.1519e-07	GCAGCTGGCTG----- --RGNTGKCTGNMYSN	
AP-4_M00176	8.2787e-07	GCAGCTGGCTG NCAGCTGNN--	
LBP-1_M00644	8.8674e-07	GCAGCTGGCTG SCAGCN-----	
UAY_M00391	1.1099e-05	--CAGCCAGCTGC-- RTCgMNNNNKSCGN	
E12_M00693	1.9783e-05	CAGCCAGCTGC -NNNCACCTGY	

M34



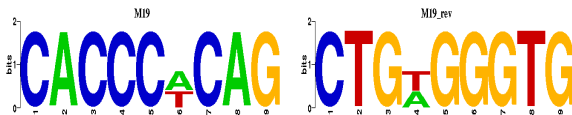
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
NGFI-C_M00244	1.7038e-05	---CCCAAGCAG CCRCCACGCA-	
Egr-3_M00245	2.3786e-05	---CCCAAGCAG ACGCCACGCA-	
NF-Y_M00209	2.4613e-05	CTGCTTGGG---- CTGATTGGYTANN	
Egr-1_M00243	2.6809e-05	---CCCAAGCAG MCGCCACGCA-	
Egr-2_M00246	3.3734e-05	---CCCAAGCAG MCGCCACGCA-	
MCM1_M00125	4.3586e-05	----CTGCTTGGG-- TTACCNNWTRGNN	
Muscle_M00324	1.2100e-04	-----CTGCTTGGG----- KSCNSYKGNRTGRNGNCNNN	
Muscle_M00323	1.6439e-04	-----CTGCTTGGG----- KSCNSCTGNRTGNGNCNNN	
NF-Y_M00287	1.9476e-04	---CTGCTTGGG--- NNNNYSATTGGYNN	
Rim101p_M01030	2.2364e-04	CTGCTTGGG TTNCTTG--	

M37

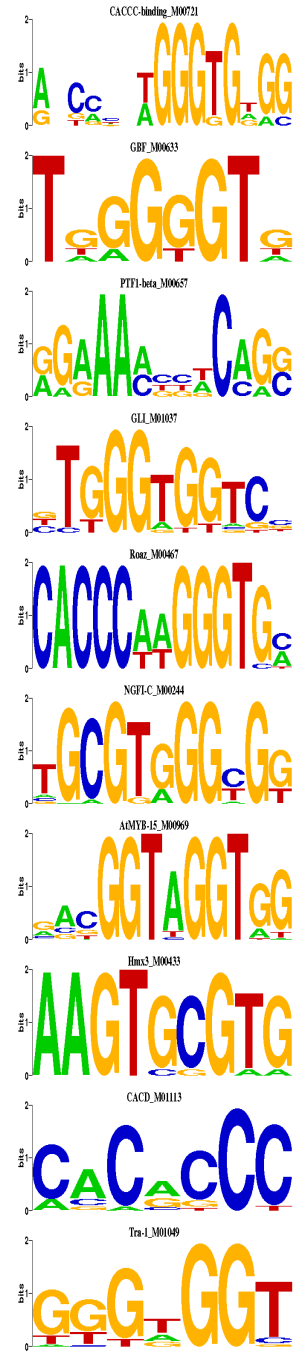


	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Nrf-1_M00652	3.6758e-04	CTGCATGCAGA --GCRTGCGCR	
Oct-1_M00342	1.0096e-03	--TCTGCATGCAG NATTTGCAT----	
Sn_M00044	1.5537e-03	CTGCATGCAGA--- -TNNNANCANNTNN	
Octamer_M00795	2.7098e-03	CTGCATGCAGA-- ---NATGCAAATN	
ABF1_M00401	2.9625e-03	-----CTGCATGCAGA GYCNCNNKGCCACGTCANCNANMGA	
Staf_M00262	3.4114e-03	-----CTGCATGCAGA----- NTWCCCANMATGCANYRCGNN	
Oct-1_M00930	3.4946e-03	CTGCATGCAGA-- ---NATGNAAATN	
Opaque-2_M00010	6.9750e-03	--TCTGCATGCAG-- YATCTACGTGGAATG	
Oct-4_M01125	7.4576e-03	-TCTGCATGCAG-- ATTTGCATNASAAW	
RCS1_M00753	7.9310e-03	--CTGCATGCAGA AANTGGGTGCAK-	

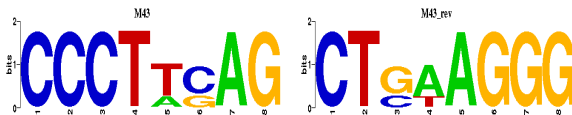
M19



	<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>
CACCC-binding_M00721	3.1567e-07	---CACCCWCAG--- CCNCACCCWNNKGNT
GBF_M00633	4.2532e-07	CACCCWCAG NACCCNA-
PTF1-beta_M00657	1.8632e-05	---CACCCWCAG- RGAAAMNNWCAGS
GLI_M01037	2.1229e-04	CTGWGGGTG---- --NTGGGTGGTCN
Roaz_M00467	3.3630e-04	-CACCCWCAG--- KCACCCCTGGGTG
NGFI-C_M00244	3.8536e-04	-CACCCWCAG- CCRCCCACGCA
AtMYB-15_M00969	4.6217e-04	-CACCCWCAG-- CCACCTACCGTN
Hmx3_M00433	5.8825e-04	CACCCWCAG CACGCACTT
CACD_M01113	1.2540e-03	CTGWGGGTG-- ----GGGYGTG
Tra-1_M01049	1.3516e-03	--CACCCWCAG ACCNCCC----

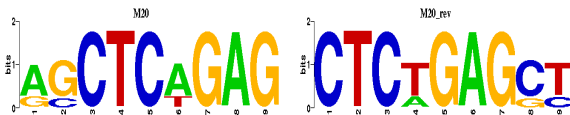


M43



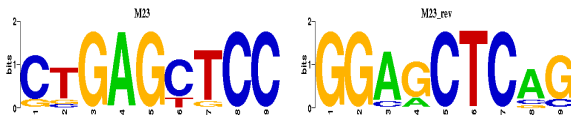
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
EBF_M00977	7.5382e-06	-CTGAAGGG- NCYCWRGGGA	
TTF1_M00432	2.3516e-04	CTGAAGGG- STCAAGTRT	
ZAP1_M00754	2.8991e-04	--CTGAAGGG ACCTTKAGGG	
Roaz_M00467	4.2626e-04	---CCCTTCAG-- KCACCCTTGGGTG	
Pax-5_M00144	5.0467e-04	-----CCCTTCAG----- NNNRYNGTYMCGCTYNANNNNNNCNNNY	
ARP-1_M00155	5.6462e-04	----CTGAAGGG--- WRGGKTC AARGGYTC	
Nkx2-5_M01043	8.7257e-04	CTGAAGGG-- -KSAAGTGRN	
VDR_M00444	1.3852e-03	----CCCTTCAG- TSWCCYYNYTMCC	
PBF_M01130	3.2119e-03	CTGAAGGG --AAAGG-	
Nrf-2_M00108	3.2324e-03	CCCTTCAG- SNCTTCGG	

M20









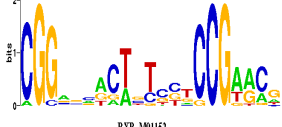



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
CDC5_M00361	2.1137e-06	--CTCTGAGCT NSCGCTGAGS-	
Dde_M00304	7.4648e-06	CTCTGAGCT GGCTGAGC-	
dTCF_M00362	2.4795e-05	-AGCTCAGAG AAGATCAAAG	
LF-A1_M00646	6.5249e-04	CTCTGAGCT --YWGASCC	
GATA-2_M00349	1.0763e-03	CTCTGAGCT- -TNTTATCTS	
COUP_M00765	1.8225e-03	AGCTCAGAG--- GGNCAAAGTC	
Eve_M00629	2.3498e-03	CTCTGAGCT- -GCNGNSSWN	
PPARalpha-RXRalpha_M00242	2.6777e-03	----CTCTGAGCT----- TGACCTTTGNCCTAGWTYW	
PPARgamma-RXRalpha_M00512	2.9046e-03	-----CTCTGAGCT---- NNNNTGACCTTTGACCYCNN	
TCF-4_M00671	3.3112e-03	AGCTCAGAG --WCAAG	

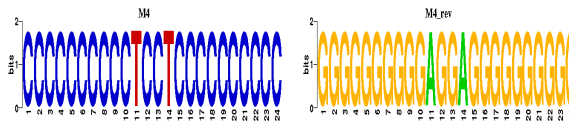
M23




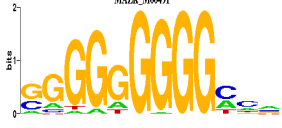


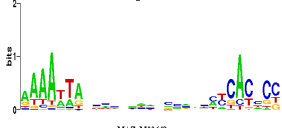

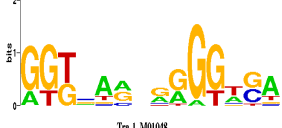



forward *reverse compliment*

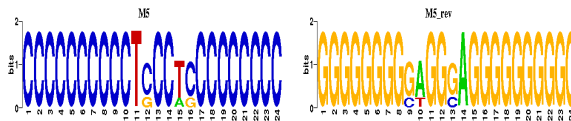
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Pax_M00808	8.1377e-07	CTGAGCTCC- GTKAGTTCCA	
Dde_M00304	1.8171e-05	--CTGAGCTCC GGCTGAGC---	
PXR_M01153	9.2599e-05	CTGAGCTCC -TGAACTN-	
CDC5_M00361	1.6101e-04	----CTGAGCTCC NSCGCTGAGS---	
GATA-2_M00349	1.8719e-03	-CTGAGCTCC TNTTATCTS-	
AR_M00962	2.5535e-03	CTGAGCTCC NNNTGCTC-	
LF-A1_M00646	2.6063e-03	CTGAGCTCC YWGASCC--	
LBP-1_M00644	3.6827e-03	GGAGCTCAG SCAGCN---	
GAL4_M00198	3.9311e-03	-----CTGAGCTCC- NGYTCGNANNANAGNNNNCCG	
RXR_M01152	5.2745e-03	CTGAGCTCC -TGAACTN-	


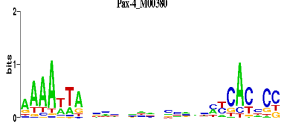








M4



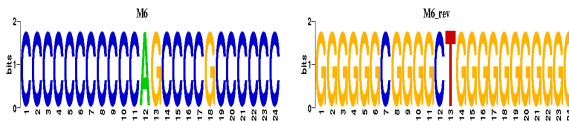
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
ZNF219_M01122	1.3895e-10	GGGGGGGGGGAGGAGGGGGGGGGG GGGNGGGGGGN-----	
KROX_M00982	2.1546e-09	GGGGGGGGGGAGGAGGGGGGGGGG GNNNGGGGGCG-----	
AtMYB-84_M00970	5.8527e-08	CCCCCCCCCTCCTCCCCCCCCC -----SCACCTACCNC-----	
MAZR_M00491	1.4729e-07	GGGGGGGGGGAGGAGGGGGGGGGG -SGGGGGGGMNN-----	
UF1H3BETA_M01068	1.7590e-06	GGGGGGGGGGAGGAGGGGGGGGGG -----GYGGGGAGGGGC-----	
TFII-I_M00706	2.1301e-05	CCCCCCCCCTCCTCCCCCCCCC -----CCTMCNTC-----	
Pax-4_M00380	5.9346e-05	GGGGGGGGGGAGGAGGGGGGGGGG----- NGNGTGNNNNNNNNNNNNNNNTAWTTTN	
MAZ_M00649	6.4065e-05	CCCCCCCCCTCCTCCCCCCCCC -----CCCTCC-----	
VDR_M00444	1.7699e-04	CCCCCCCCCTCCTCCCCCCCCC ----TSWCCYYNYTNMCC-----	
Tra-1_M01048	4.7281e-04	CCCCCCCCCTCCTCCCCCCCCC -----ACCWCC-----	

M5



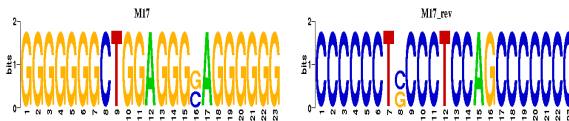
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
ZNF219_M01122	1.3895e-10	GGGGGGGGGAGGGAGGGGGGGGGG- -----GGGNGGGGGGGN	
Pax-4_M00380	1.3380e-08	GGGGGGGGGAGGGAGGGGGGGGGG----- NGNGTGNNNNNNNNNNNNNNNNNTAWTTTN	
MAZ_M00649	4.3639e-08	CCCCCCCCCTCCCTCCCCCCCCC -----CCCTCCC-----	
TFII-I_M00706	7.8533e-08	GGGGGGGGGAGGGAGGGGGGGGGG -----GANGKAGG-----	
UF1H3BETA_M01068	2.7111e-07	CCCCCCCCCTCCCTCCCCCCCCC -----GCCCTCCCCRC--	
MAZR_M00491	2.7277e-07	GGGGGGGGGAGGGAGGGGGGGGGG SGGGGGGGGMNN-----	
KROX_M00982	1.5175e-06	GGGGGGGGGAGGGAGGGGGGGGGG -----GNNNGGGGGCGG--	
RREB-1_M00257	1.4145e-05	GGGGGGGGGAGGGAGGGGGGGGGG GGGGTGTTTGGG-----	
CAC-binding_M00720	1.7376e-05	CCCCCCCCCTCCCTCCCCCCCCC -----CCCASCCY-----	
AtMYB-84_M00970	5.2937e-05	GGGGGGGGGAGGGAGGGGGGGGGG GGNGGTAGGTGS-----	









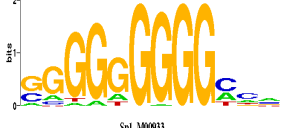

M6



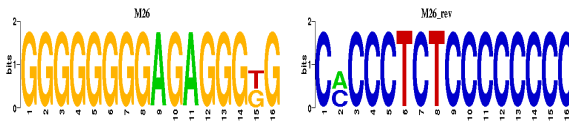
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
ZNF219_M01122	1.3895e-10	GGGGGGCGGGGCTGGGGGGGGGGG -----GGGNGGGGGGGN	
KROX_M00982	4.4564e-10	GGGGGGCGGGGCTGGGGGGGGGGG --GNNGNGGGGGCGG-----	
GC_M00255	2.7312e-08	GGGGGGCGGGGCTGGGGGGGGGGG -NNGGGCGGGGCNN-----	
Sp1_M00931	4.0246e-08	CCCCCCCCCCCCAGCCCCGCCCCCC -----NCCCCGCC-----	
Sp1_M00933	6.7910e-08	CCCCCCCCCCCCAGCCCCGCCCCCC -----CCCKCCCCN-----	
Alfin1_M00479	7.0358e-08	CCCCCCCCCCCCAGCCCCGCCCCCC -----MNNCCCCACNYNYN	
UF1H3BETA_M01068	8.1295e-08	CCCCCCCCCCCCAGCCCCGCCCCCC -----GCCCTCCCCRC-----	
Sp1_M00196	2.2522e-07	CCCCCCCCCCCCAGCCCCGCCCCCC -----NNCCCCGCCCCN-----	
MAZR_M00491	4.5097e-07	--GGGGGGCGGGGCTGGGGGGGGGGG SG-----SGGGGGGGGMNN	
ABI4_M00958	1.0211e-05	GGGGGGCGGGGCTGGGGGGGGGGG ---GGCGGTGCN-----	

M17



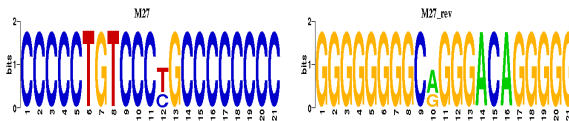
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
ZNF219_M01122	5.2785e-10	GGGGGGGCTGGAGGGSAGGGGGG- -----GGNGGGGGGN	
MAZ_M00649	3.3291e-07	CCCCCTSCCCTCCAGCCCCCC ---CCCTCC-----	
VDR_M00444	4.3345e-06	GGGGGGGCTGGAGGGSAGGGGGG--- -----GCKNARNRRGGWSA	
UF1H3BETA_M01068	1.0526e-05	GGGGGGGCTGGAGGGSAGGGGGG -----GYGGGGGAGGGGC-	
LXR_M00647	1.0638e-05	CCCCCTSCCCTCCAGCCCCCC -----TGACNNNAGTRACCC	
KROX_M00982	1.7491e-05	CCCCCTSCCCTCCAGCCCCCC -----CCGCCCCCNCNNC---	
AtMYB-84_M00970	4.2272e-05	GGGGGGGCTGGAGGGSAGGGGGG --GGNGGTAGGTGS-----	
CAC-binding_M00720	6.4290e-05	GGGGGGGCTGGAGGGSAGGGGGG -----RGGSTGGG---	
MAZR_M00491	8.3926e-05	--GGGGGGGCTGGAGGGSAGGGGGG SGGGGGGGGMNN-----	
Sp1_M00933	2.1950e-04	GGGGGGGCTGGAGGGSAGGGGGG --NGGGGMGG-----	

M26



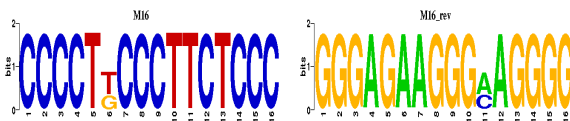
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
UF1H3BETA_M01068	1.2389e-07	GGGGGGGAGAGGGK -GYGGGGGAGGGGC--	
ZNF219_M01122	2.7412e-07	GGGGGGGAGAGGGK GGGNGGGGGN-----	
KROX_M00982	6.7326e-07	CMCCCTCTCCCCCCC ---CCGCCCCCNCNNC	
MAZR_M00491	1.8407e-06	-GGGGGGGAGAGGGK SGGGGGGGMNN-----	
AtMYB-84_M00970	1.2747e-05	GGGGGGGAGAGGGK --GGNGGTAGGTGS--	
RREB-1_M00257	2.5572e-05	GGGGGGGAGAGGGK -GGGGTGGTTTGGG--	
MAZ_M00649	4.9945e-05	CMCCCTCTCCCCCCC ----CCCTCCC-----	
Sp1_M00931	1.1754e-04	CMCCCTCTCCCCCCC -----NCCCCGCC	
BLIMP1_M01066	1.9824e-04	CMCCCTCTCCCCCCC --YMCTTTCMCTTYC-	
Sp1_M00933	2.1993e-04	CMCCCTCTCCCCCCC- -----CCCKCCCN	










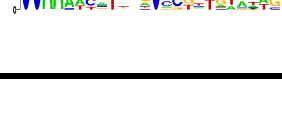
M27



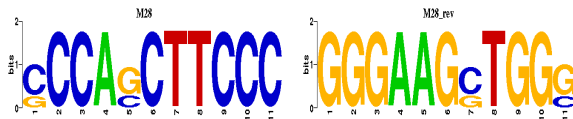
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
KROX_M00982	5.3769e-08	GGGGGGGGCAGGGACAGGGGG ----GNNNGGGGGCGG----	
MAZR_M00491	2.4405e-07	-GGGGGGGGCAGGGACAGGGGG SGGGGGGGGMNN-----	
ZNF219_M01122	1.1361e-06	--GGGGGGGGCAGGGACAGGGGG GGNGGGGGGN-----	
Sp1_M00931	3.7604e-06	CCCCCTGTCCTGCCCCCCC -----NCCCCGCC-----	
Sp1_M00933	6.4821e-06	CCCCCTGTCCTGCCCCCCC -----CCCKCCCN----	
Sp1_M00196	8.9698e-06	CCCCCTGTCCTGCCCCCCC -----NNCCCCGCCCN----	
BLIMP1_M01066	1.5707e-05	CCCCCTGTCCTGCCCCCCC --YMCTTTCMCTTYC-----	
Egr_M00807	1.5793e-05	CCCCCTGTCCTGCCCCCCC -----NYYGCSCCA--	
UF1H3BETA_M01068	1.6257e-05	CCCCCTGTCCTGCCCCCCC -----GCCCTCCCCRC-	
GC_M00255	6.1314e-05	CCCCCTGTCCTGCCCCCCC -----NNGCCCCGCCN----	

M16



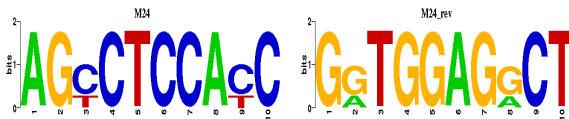
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
BLIMP1_M01066	6.7664e-07	CCCCTKCCCTTCTCCC YMCITTCMCTTYC---	
UF1H3BETA_M01068	1.1577e-05	CCCCTKCCCTTCTCCC-- -----GCCCTCCCCRC	
ZNF219_M01122	1.0361e-04	GGGAGAAGGGMAGGGG GGNGGGGGGN-----	
MAZ_M00649	2.7693e-04	CCCCTKCCCTTCTCCC --CCCTCCC-----	
STRE_M00308	3.6824e-04	-CCCCTKCCCTTCTCCC NCCCT-----	
Sp1_M00931	6.1926e-04	CCCCTKCCCTTCTCCC NCCCCGCC-----	
ISGF-3_M00258	7.0230e-04	CCCCTKCCCTTCTCCC -AGTTTCWNTTTCNC-	
MAF_M00648	9.1771e-04	---CCCCTKCCCTTCTCCC NSNMMACTTCCYYCN----	
Lyf-1_M00141	1.7238e-03	CCCCTKCCCTTCTCCC-- -----YCTCCCAA	
CCAAT_M00200	2.6695e-03	----GGGAGAAGGGMAGGGG---- ANNWGNGNRRRGNNGNTGATTGG	

M28



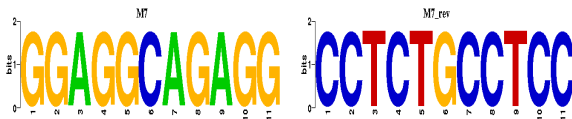
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MAF_M00648	4.3794e-07	-CCCAGCTTCCC--- NSNMMACTTCCYYCN	
AtMYB-84_M00970	4.6687e-07	--GGAAGCTGGG GGNGGTAGGTGS-	
TAL1_M00993	1.1020e-05	GGGAAGCTGGG -RNCAGNTGG-	
LUN-1_M00480	1.3513e-05	-----GGGAAGCTGGG TCCCAAAGTAGCTGGG	
CAC-binding_M00720	2.0794e-05	CCCAGCTTCCC CCCASCCY---	
HEB_M00698	2.4146e-05	GGGAAGCTGGG ---CAGCWGG-	
LBP-1_M00644	5.3839e-05	CCCAGCTTCCC -SCAGCN----	
c-Ets-1_M00743	5.6438e-05	CCCAGCTTCCC ----GCTTCK	
AtMYB-15_M00969	6.6201e-05	CCCAGCTTCCC-- -CCACCTACCGTN	
myogenin_M00712	9.9477e-05	CCCAGCTTCCC --CASCTGN--	

M24



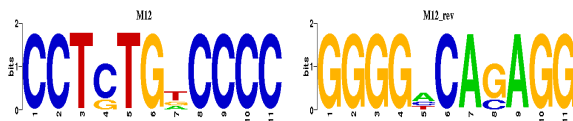
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
TFII-I_M00706	2.8605e-05	AGCCTCCACC --CCTMCNTC	
GCR1_M00046	4.4886e-05	AGCCTCCACC -GCTTCCWC-	
KROX_M00982	1.2845e-04	--GGTGGAGGCT- GNNNGGGGGGCGG	
GCR1_M00337	1.6970e-04	---GGTGGAGGCT AAWAGTGAAGCC	
UF1H3BETA_M01068	3.4422e-04	--GGTGGAGGCT- GYGGGGGAGGGGC	
Alfin1_M00479	8.2637e-04	AGCCTCCACC---- MNNCCCCACNYYN	
ZID_M00085	8.8703e-04	---GGTGGAGGCT GRTGATRGAGCC-	
MAZ_M00649	9.1761e-04	AGCCTCCACC -CCCTCCC--	
MAZR_M00491	1.2305e-03	-GGTGGAGGCT- SGGGGGGGGMNN	
ZNF219_M01122	1.2587e-03	--GGTGGAGGCT GGNGGGGGGN-	

M7



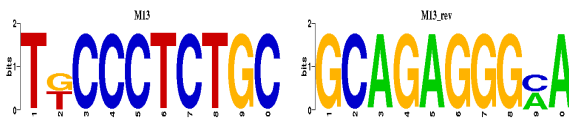
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Adf-1_M00171	1.9394e-05	--GGAGGCAGAGG-- NMNGCNRCRGCRGCG	
PU.1_M00658	5.5934e-05	GGAGGCAGAGG -GAGGAAG---	
SMAD3_M00701	5.8504e-05	GGAGGCAGAGG --AGNCAGAC-	
Dde_M00304	7.7466e-05	GGAGGCAGAGG ---GGCTGAGC	
Adf-1_M00923	3.5111e-04	-GGAGGCAGAGG----- CRMNKKCAGCGRCKGCRGCS	
COUPTF_M01036	9.7492e-04	----GGAGGCAGAGG----- NKNNRNGKNNAAAGGTCANNNN	
ERF2_M01057	1.0314e-03	GGAGGCAGAGG GGCGGC-----	
TFII-I_M00706	1.0950e-03	CCTCTGCCTCC --CCTMCNTC-	
BLIMP1_M01066	1.1387e-03	-CCTCTGCCTCC- YMCTTTCMCTTYC	
Zta_M00711	1.2014e-03	-CCTCTGCCTCC NANNNTGRCWCA	

M12



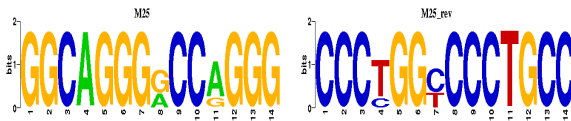
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
PPARgamma-RXRalpha_M00512	1.4107e-06	-----CCTCTGNCCCC-- NNNNTGACCTTTGACCYCNN	
COUP_M00765	1.9079e-06	GGGGNCAGAGG-- -GGGNCAAAGGTC	
ARP-1_M00155	1.4841e-05	---CCTCTGNCCCC- GARCCYTTGAMCCYW	
LF-A1_M00646	1.8263e-04	CCTCTGNCCCC ---YWGASCC-	
PPAR,_M00762	1.9842e-04	---CCTCTGNCCCC TGACCTTTGNCC--	
NRSF_M00256	3.4241e-04	-----GGGGNCAGAGG- TCAGCACCACGGACAGCRSC	
SMAD3_M00701	3.8624e-04	GGGGNCAGAGG --AGNCAGAC-	
HNF4_M00764	7.8723e-04	GGGGNCAGAGG-- -NGGNCAAAGKTC	
PPAR_M00763	8.5291e-04	GGGGNCAGAGG-- -NGGNCAAAGGTC	
ABF1_M00399	1.0076e-03	----GGGGNCAGAGG----- WNNNNGGGACACGTGGCNGANN	

M13



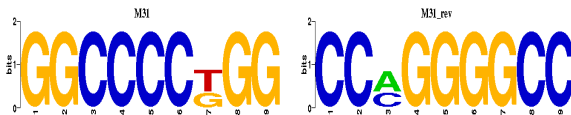
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
COUPTF_M01036	3.7157e-07	-GCAGAGGGMA----- NKNNRNGKNNAAAGGTCANNNN	
TAL1_M00993	2.2511e-05	-GCAGAGGGMA RNCAGNTGG--	
MAF_M00648	2.0286e-04	-----TKCCCTCTGC NSNMMACTTCCYYCN--	
GAGA_M00723	2.4971e-04	-TKCCCTCTGC TYNCKCTCWS-	
Eve_M00629	7.3608e-04	GCAGAGGGMA GCNGNSSWN-	
HNF4alpha1_M00411	8.1772e-04	-TKCCCTCTGC--- NTGACCTTTGNCCY	
PPAR_M00528	8.2879e-04	-----GCAGAGGGMA NNNNGGNCAAAGGTCA	
MAZ_M00649	8.3615e-04	GCAGAGGGMA -GGGAGGG--	
NF-muE1_M00651	9.1160e-04	TKCCCTCTGC GGCCATCT--	
TFII-I_M00706	1.0970e-03	-TKCCCTCTGC CCTMCNTC---	


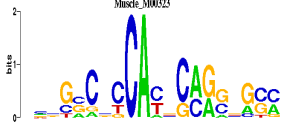



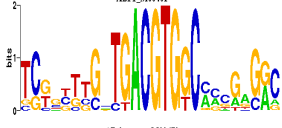




M25



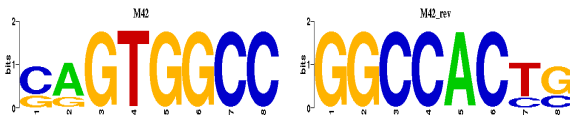
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
E12_M00693	5.8774e-06	CCCTGGCCCCTGCC ---NNNCACCTGY-	
PCF5_M00952	2.1407e-05	CCCTGGCCCCTGCC ---TGGNCCCNN--	
MAZ_M00649	5.2247e-05	CCCTGGCCCCTGCC -----CCCTCCC	
COUPTF_M01036	8.2548e-05	GGCAGGGGCCAGGG----- NKNNRNGKNNAAAGGTCANNNN	
KROX_M00982	2.0016e-04	--GGCAGGGGCCAGGG GNNNGGGGGGCGG---	
UF1H3BETA_M01068	2.0836e-04	CCCTGGCCCCTGCC---- -----GCCCTCCCCRC	
NERF1a_M00531	2.2593e-04	GGCAGGGGCCAGGG--- RNCAGGAAGYRNSTNNS	
E2A_M00973	2.8713e-04	GGCAGGGGCCAGGG RNCAGNT-----	
STRE_M00308	8.4227e-04	CCCTGGCCCCTGCC -----NCCCCT---	
Sp1_M00008	8.6720e-04	CCCTGGCCCCTGCC- -----WCCCYGCCY	



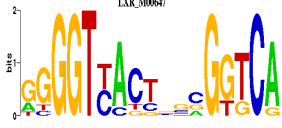
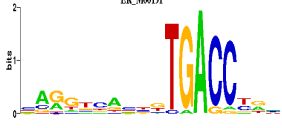


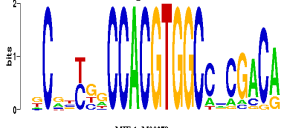



M31



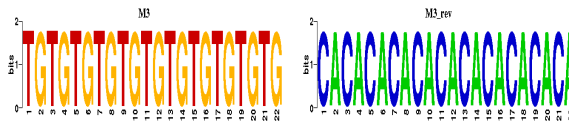
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
E12_M00693	6.1677e-05	-GGCCCCCKGG NNNCACCTGY	
Muscle_M00323	8.4483e-05	-----CCMGGGGCC NNNGNCNCCAYNCAGSNGSM	
AP-2alpha_M00469	1.6193e-04	GGCCCCCKGG -SCNNNNGG	
STRE_M00308	2.1716e-04	CCMGGGGCC --AGGGGN-	
HSF_M00641	4.2836e-04	--GGCCCCCKGG- GAARCYNCKNGA	
ABF1_M00401	5.6070e-04	--CCMGGGGCC----- GYCNCNNKGCCACGT CANCNANNMGA	
AP-2gamma_M00470	1.0211e-03	CCMGGGGCC CCNNNNGGS-	
AREB6_M00414	1.0879e-03	--CCMGGGGCC NNMCAGGTGYN	
EBF_M00977	1.1765e-03	--CCMGGGGCC NCYCWRGGGA-	
STRE_M00154	1.5221e-03	GGCCCCCKGG -NCCCCTN-	

M42

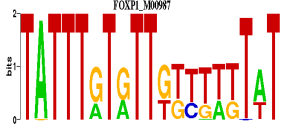











	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
bZIP911_M00358	2.9437e-05	GGCCACTG--- GGCCACGTCA Y	
AP-2rep_M00468	1.0262e-04	GGCCACTG -NCCACT-	
LXR_M00647	1.5427e-04	-----CAGTGGCC-- TGACNNNAGTRACCCC	
ER_M00191	1.7291e-04	-----CAGTGGCC-- NNNGGTCANNNNNNNYNN	
alpha-CP1_M00687	1.8117e-04	--CAGTGGCC CTCATTTGGCT	
bZIP910_M00356	5.6820e-04	GGCCACTG--- KGCCACGTCA T	
ABF1_M00400	7.0649e-04	-----GGCCACTG----- TGTCGNGGCCACGTGGNRRNNGNN	
MIF-1_M00279	7.9803e-04	-CAGTGGCC----- SCNGTTRCCWWGCAACN	
NF-muE1_M00651	9.3793e-04	CAGTGGCC AGATGGCC	
CCAAT_M00254	9.9826e-04	-CAGTGGCC-- TSATTGGYNN	

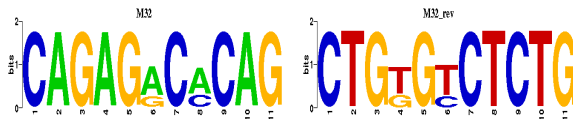
M3







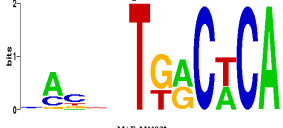




forward *reverse compliment*

Name	E value	Alignment	Motif
FOXP1_M00987	3.5101e-05	TGTGTGTGTGTGTGTGTGTGTG TATTTGTGTTGTTTTTTAT---	
RAP1_M00213	1.7789e-04	TGTGTGTGTGTGTGTGTGTGTG NRTGTATGGGTKY-----	
HFH4_M00742	2.6410e-04	TGTGTGTGTGTGTGTGTGTGTG WKTGTTTGTTTA-----	
CACD_M01113	1.4218e-03	TGTGTGTGTGTGTGTGTGTGTG -GGYGTG-----	
Egr-3_M00245	1.8842e-03	CACACACACACACACACACACA -ACGCCACGCA-----	
Egr-1_M00243	2.4262e-03	TGTGTGTGTGTGTGTGTGTGTG TGCGTGGGCGK-----	
Egr-2_M00246	3.7737e-03	TGTGTGTGTGTGTGTGTGTGTG TGCGTGGGCGK-----	
NGFI-C_M00244	4.2781e-03	CACACACACACACACACACACA -CCRCCCACGCA-----	
RREB-1_M00257	4.6002e-03	TGTGTGTGTGTGTGTGTGTGTG -GGGTGGTTTGGG-----	
GBF_M00633	1.0403e-02	TGTGTGTGTGTGTGTGTGTGTG TNGGGTN-----	

M32



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
ARF_M00438	1.2552e-05	CAGAGACACAG --GAGACAA--	
SMAD3_M00701	8.5714e-04	CAGAGACACAG ---AGNCAGAC	
NF-E2_M00037	3.9980e-03	CTGTGTCTCTG- --RTGACTCAGC	
TEIL_M00502	4.0082e-03	CAGAGACACAG ---AGRTWCA-	
AP-1_M00173	5.0537e-03	-CTGTGTCTCTG WKNAGTCAN--	
Poly_M00211	5.3017e-03	CTGTGTCTCTG -GTGGTCTC--	
Zta_M00711	6.8738e-03	CAGAGACACAG-- -TGWGYCANNNTN	
MAF_M00983	6.9136e-03	CAGAGACACAG- --NTGACTCANC	
XPF-1_M00684	7.0853e-03	CTGTGTCTCTG --GKTSNYCNG	
GAGA_M00723	7.4674e-03	CTGTGTCTCTG -TYNCKCTCWS	

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