

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

Input file: 71 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 :      -----AAAAAAAAAAAAAAAAATAAAAAA
M1 :      -----TTTTTTTTTTTTAAAAAAAAATTT-----
M2 :      CACACACACACACACACACACACA-----
M3 :      -----GGGGGGGGGAGGGAGGGGGGGG-----
M4 :      -----CCCAGCCCCGCCCCC-----
M5 :      -----GGGCAGGCWGG-----
M6 :      -----GGGGGGGGGAGGAGGG-----
M7 :      -----AAAAAAAAAGAAAGAAAAAAAA-----
M8 :      -----CCCCCCCCCTCCCAGCCCC-----
M9 :      -----GGGAGAGGGGGGGG-----
M10 :     -----GGAGGCAGAG-----
M11 :     -----GGGGGGGAGGAAGGAG-----
M12 :     -----GGGGAAGGG-----
M13 :     -----CCCAGCAG-----
M14 :     -----CCCAGCCCAG-----
M15 :     -----GCAGAGGMAGAGGGGG-----
M16 :     -----CCCAGCCTCC-----
M17 :     -----CCAGGCTGC-----
M18 :     -----CAGRGCTGG-----
M19 :     -----CCCCCCCCACCCCCACCCCC-----
M20 :     -----GCTGCAGAG-----
M21 :     -----SCAGCAGCAG-----
M22 :     -----CCCCCCCCCTCCCAG-----
    
```

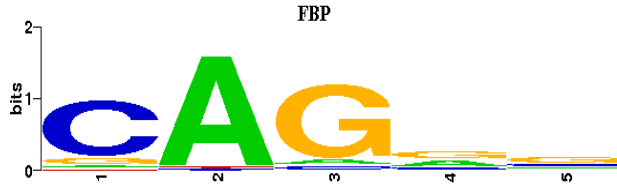
Stamp Results

04/30/14

M23: -----SCAGCCAGGCC-----  
M24: -----TTTTTTTTTTTTTAAAT-----  
M25: -----CCAGGCCTGGG-----  
M26: -----GGGAAGCAGG-----  
M27: -----CCCCCCCCCACCCACCCCCC-----  
M28: -----CAGAGCAGAGG-----  
M29: -----GGGACAGAGG-----  
M30: -----CCCAGGGCCY-----  
M31: -----GCAGGAAAGGAA-----  
M32: -----GGGGGGGGAGGGGMGGGGGG-----  
M33: -----CAGAAGGRA-----  
M34: -----AAAAAAAAACAAACAAAAAAAA-----  
M35: -----GGGGGGGAGGGGYGGGG-----  
M36: -----CTTCCCCAGC-----  
M37: -----ARGGAACAGG-----  
M38: -----ACAGCACAGM-----  
M39: -----GGAGCTSAG-----  
M40: -----GRGCTCAGGG-----  
M41: -----AGAGAAAAAAAA-----  
M42: -----GAAGCCAGAA-----  
M43: -----GGGGCTGGCAGGRA-----  
M44: -----GGGGGGCAGAGGAGC-----  
M45: -----GGANCTCAGGG-----  
M46: -----AGAGARGCAGG-----  
M47: -----CCCAGAAG-----  
M48: -----RGAGAGCCAGGG-----  
M49: -----CAGGGRTGGGG-----  
M50: -----CCCAGCTTCCC-----  
M51: -----ATTAAAAAAAAAAAA-----  
M52: -----GAGGTCAGGG-----  
M53: -----AAAAAAMAACAACAAAAAAAA-----  
M54: -----CCCAGTCCCY-----  
M55: -----AAAAATGAAGA-----  
M56: -----CTCAGCCCTCC-----  
M57: -----NCCAGTTCC-----  
M58: -----GCAGCCATGG-----  
M59: -----TTTCAAAGAAA-----  
M60: -----CAGTTCTTT-----  
M61: -----CACAAAGCCA-----  
M62: -----CANTTCCCA-----  
M63: -----SCTTGCAGA-----  
M64: -----AAACAGGGA-----  
M65: -----AGGCAAAGCA-----

M66: -----AGCAGGTGNG-----  
 M67: -----CAGAAGCCCT-----  
 M68: -----CAGAGAAG-----  
 M69: -----CAGACACY-----  
 M70: -----CTAGANAG-----

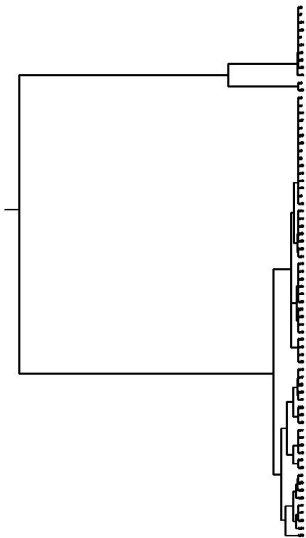
**Familial Profile:**  
[\(click for matrix\)](#)



## Motif Tree

Tree (drawn by [Phylip](#))

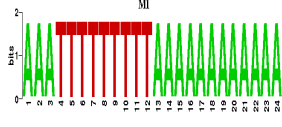
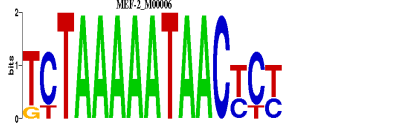
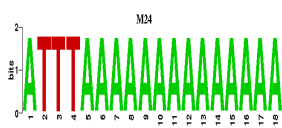
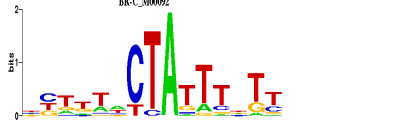
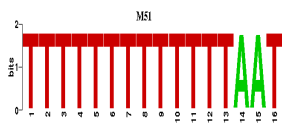
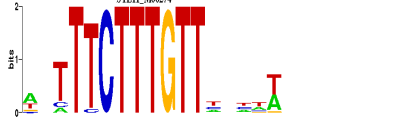


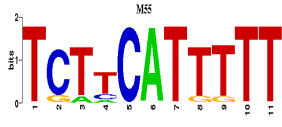



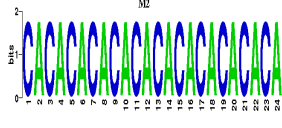
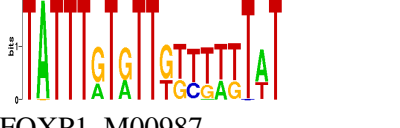

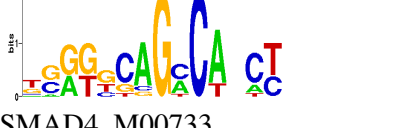
[Click here for Newick-format tree](#) (viewable with [MEGA](#))

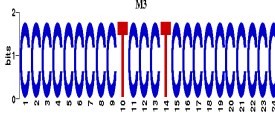
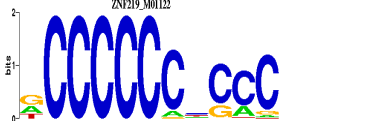
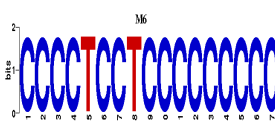

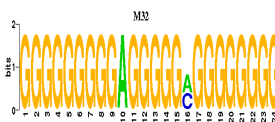
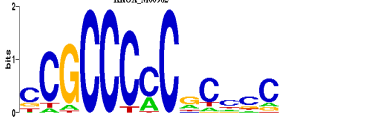
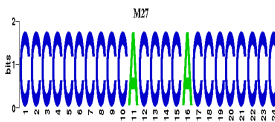

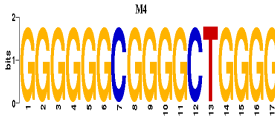

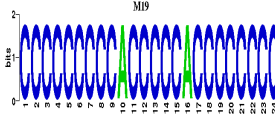

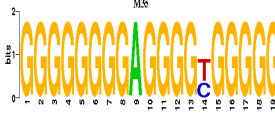

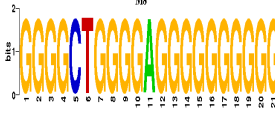
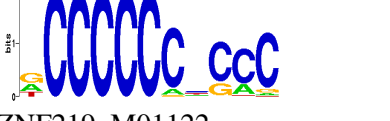


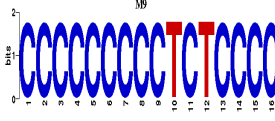
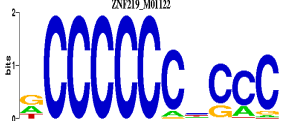
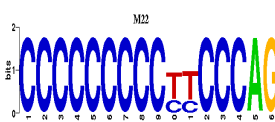





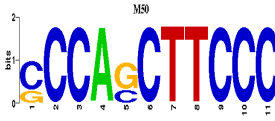

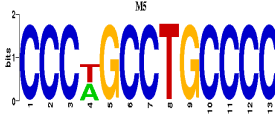





Input Motif


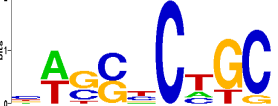

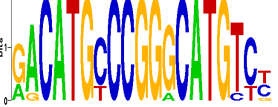
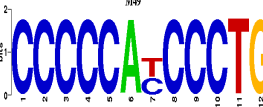











Best match in TRANSFAC

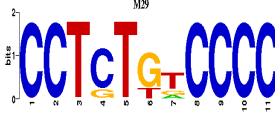
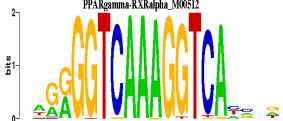
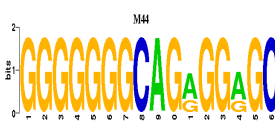



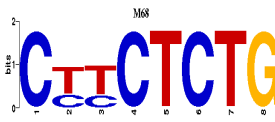

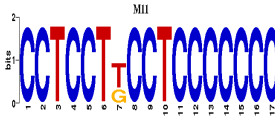
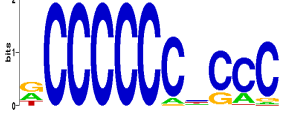
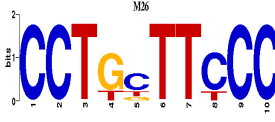

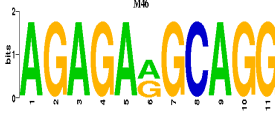

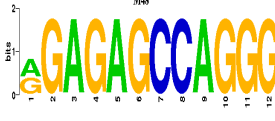

<p><b>M0</b></p>	<p>FOXP1_M00987 (E val: 2.0728e-13)</p>
<p><b>M7</b></p>	<p>STE11_M00274 (E val: 6.0633e-11)</p>
<p><b>M34</b></p>	<p>FOXP1_M00987 (E val: 0.0000e+00)</p>
<p><b>M53</b></p>	<p>FOXP1_M00987 (E val: 0.0000e+00)</p>

 <p><b>M1</b></p>	 <p><b>MEF-2_M00006</b> (E val: 1.0134e-06)</p>
 <p><b>M24</b></p>	 <p><b>BR-C_M00092</b> (E val: 4.1911e-08)</p>
 <p><b>M51</b></p>	 <p><b>STE11_M00274</b> (E val: 3.1771e-08)</p>
 <p><b>M41</b></p>	 <p><b>STE11_M01005</b> (E val: 3.1568e-08)</p>
 <p><b>M55</b></p>	 <p><b>MADS-A_M00408</b> (E val: 3.8975e-07)</p>
 <p><b>M59</b></p>	 <p><b>STE11_M01005</b> (E val: 7.1410e-06)</p>
 <p><b>M2</b></p>	 <p><b>FOXP1_M00987</b> (E val: 7.6099e-05)</p>
 <p><b>M69</b></p>	 <p><b>SMAD4_M00733</b> (E val: 4.3407e-06)</p>





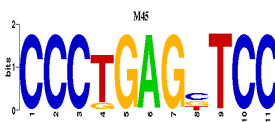

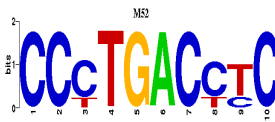
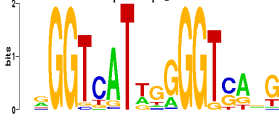
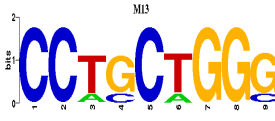




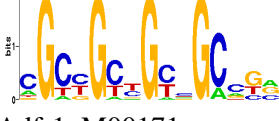


 <p><b>M3</b></p>	 <p>ZNF219_M0112 (E val: 1.3895e-10)</p>
 <p><b>M6</b></p>	 <p>AtMYB-84_M00970 (E val: 6.0383e-09)</p>
 <p><b>M32</b></p>	 <p>KROX_M00982 (E val: 8.1435e-13)</p>
 <p><b>M27</b></p>	 <p>KROX_M00982 (E val: 4.4309e-11)</p>
 <p><b>M4</b></p>	 <p>KROX_M00982 (E val: 4.5563e-11)</p>
 <p><b>M19</b></p>	 <p>UF1H3BETA_M01068 (E val: 3.1483e-12)</p>
 <p><b>M35</b></p>	 <p>UF1H3BETA_M01068 (E val: 6.5326e-12)</p>
 <p><b>M8</b></p>	 <p>ZNF219_M0112 (E val: 1.1244e-10)</p>












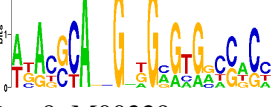




 <p><b>M9</b></p>	 <p><b>ZNF219_M0112</b> (E val: 2.9383e-08)</p>
 <p><b>M22</b></p>	 <p><b>ZNF219_M0112</b> (E val: 3.4724e-09)</p>
 <p><b>M12</b></p>	 <p><b>UF1H3BETA_M01068</b> (E val: 2.6569e-10)</p>
 <p><b>M16</b></p>	 <p><b>CAC-binding_M00720</b> (E val: 6.6711e-08)</p>
 <p><b>M50</b></p>	 <p><b>MAF_M00648</b> (E val: 3.5408e-07)</p>
 <p><b>M5</b></p>	 <p><b>CAC-binding_M00720</b> (E val: 2.0959e-07)</p>
 <p><b>M43</b></p>	 <p><b>TGIF_M00418</b> (E val: 4.5951e-06)</p>
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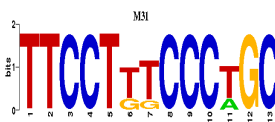



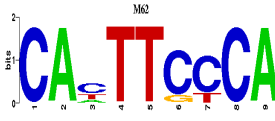

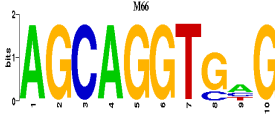





 <p><b>M18</b></p>	 <p><b>Eve_M00629</b> (E val: 1.6468e-05)</p>
 <p><b>M25</b></p>	 <p><b>p53_M00034</b> (E val: 9.0009e-05)</p>
 <p><b>M49</b></p>	 <p><b>ZNF219_M01122</b> (E val: 5.2673e-10)</p>
 <p><b>M56</b></p>	 <p><b>Dde_M00304</b> (E val: 1.1762e-07)</p>
 <p><b>M30</b></p>	 <p><b>CACCC-binding_M00721</b> (E val: 6.3696e-05)</p>
 <p><b>M54</b></p>	 <p><b>KROX_M00982</b> (E val: 1.5169e-05)</p>
 <p><b>M10</b></p>	 <p><b>SMAD3_M00701</b> (E val: 2.9890e-05)</p>
 <p><b>M15</b></p>	 <p><b>PU.1_M00658</b> (E val: 9.1464e-07)</p>

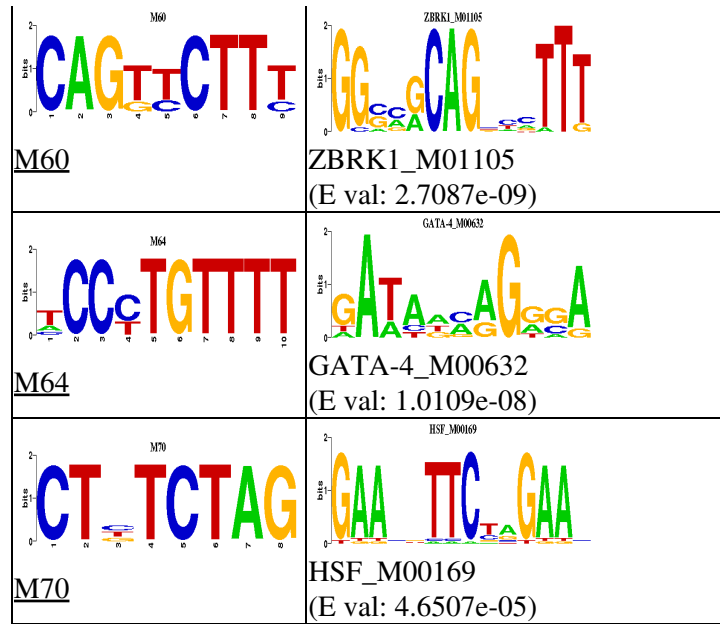
 <p><b>M29</b></p>	 <p><b>PPARgamma-RXRalpha_M00512</b> (E val: 4.9417e-06)</p>
 <p><b>M44</b></p>	 <p><b>KROX_M00982</b> (E val: 7.4859e-06)</p>
 <p><b>M28</b></p>	 <p><b>HSF_M00167</b> (E val: 1.0639e-05)</p>
 <p><b>M68</b></p>	 <p><b>GATA-2_M00349</b> (E val: 1.5504e-04)</p>
 <p><b>M11</b></p>	 <p><b>ZNF219_M01122</b> (E val: 4.2468e-08)</p>
 <p><b>M26</b></p>	 <p><b>NERF1a_M00531</b> (E val: 7.3726e-06)</p>
 <p><b>M46</b></p>	 <p><b>Sry-beta_M00666</b> (E val: 1.0570e-05)</p>
 <p><b>M48</b></p>	 <p><b>BRK_M01096</b> (E val: 1.8791e-04)</p>



<p>M39</p> 	<p>CDC5_M00361 (E val: 6.4800e-05)</p> 
<p>M40</p> 	<p>LF-A1_M00646 (E val: 1.1062e-05)</p> 
<p>M45</p> 	<p>Pax_M00808 (E val: 6.5727e-06)</p> 
<p>M52</p> 	<p>PPARalpha-RXRalpha_M00518 (E val: 3.3166e-07)</p> 
<p>M13</p> 	<p>HEB_M00698 (E val: 9.3081e-09)</p> 
<p>M47</p> 	<p>STAT_M00777 (E val: 4.7421e-05)</p> 
<p>M21</p> 	<p>Adf-1_M00171 (E val: 8.1283e-07)</p> 
<p>M33</p> 	<p>GATA-4_M00632 (E val: 2.3788e-04)</p> 

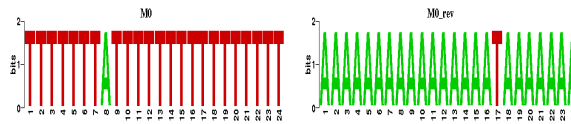
 <p><b>M67</b></p>	 <p><b>XPF-1_M00684</b> (E val: 7.3819e-04)</p>
 <p><b>M20</b></p>	 <p><b>LBP-1_M00644</b> (E val: 1.0498e-04)</p>
 <p><b>M63</b></p>	 <p><b>OCT-x_M00210</b> (E val: 6.9044e-07)</p>
 <p><b>M38</b></p>	 <p><b>HSF_M00167</b> (E val: 3.8465e-08)</p>
 <p><b>M17</b></p>	 <p><b>LBP-1_M00644</b> (E val: 2.0250e-04)</p>
 <p><b>M23</b></p>	 <p><b>Pax-9_M00329</b> (E val: 4.2439e-05)</p>
 <p><b>M58</b></p>	 <p><b>Roaz_M00467</b> (E val: 3.1963e-07)</p>
 <p><b>M42</b></p>	 <p><b>BRK_M01096</b> (E val: 7.9668e-05)</p>

 <p><b>M61</b></p>	 <p><b>LEF1_M00805</b> (E val: 1.1646e-05)</p>
 <p><b>M65</b></p>	 <p><b>Oct-1_M00195</b> (E val: 2.4789e-06)</p>
 <p><b>M31</b></p>	 <p><b>BLIMP1_M01066</b> (E val: 2.1825e-10)</p>
 <p><b>M36</b></p>	 <p><b>AP-4_M00005</b> (E val: 3.9051e-05)</p>
 <p><b>M62</b></p>	 <p><b>STAT1_M00492</b> (E val: 1.7854e-07)</p>
 <p><b>M66</b></p>	 <p><b>myogenin_M00712</b> (E val: 4.3620e-08)</p>
 <p><b>M37</b></p>	 <p><b>PR_M00960</b> (E val: 7.3171e-06)</p>
 <p><b>M57</b></p>	 <p><b>Nanog_M01123</b> (E val: 6.2016e-05)</p>



### Motif Similarity Matches

**M0**



*forward*

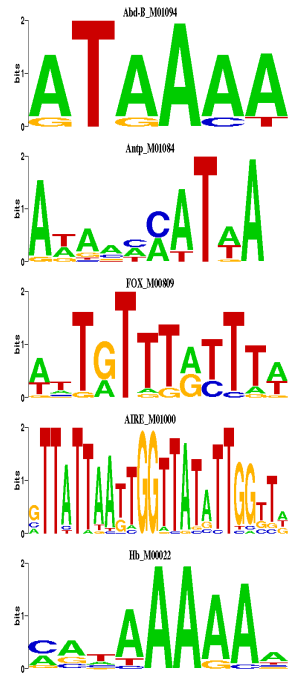
*reverse compliment*

Name	E value	Alignment	Motif
FOXP1_M00987	2.0728e-13	AAAAAAAAAAAAAAAAAATAAAAAA -----ATAAAAAACAACACAATA	
BR-C_M00092	9.9995e-11	AAAAAAAAAAAAAAAAAATAAAAAA- -----RANAAATAGNWNNNN	
MCM1+SFF_M01051	2.2915e-09	TTTTTTTATTTTTTTTTTTTTTTTTT--- -TTRTTTANNTWWTNCCNNWTTNGNA	
STE11_M00274	1.8823e-07	AAAAAAAAAAAAAAAAAATAAAAAA WNNNNAACAAGAAANW-----	
HFH1_M00129	1.2822e-06	AAAAAAAAAAAAAAAAAATAAAAAA -----AWATAAACAWT	

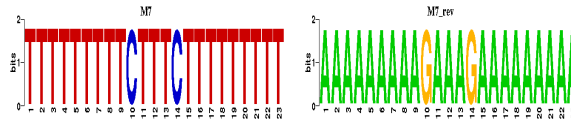
Stamp Results

04/30/14

Abd-B_M01094	1.4103e-06	TTTTTTTATTTTTTTTTTTTTTTTT ---TTTTAT-----
Antp_M01084	3.0868e-06	TTTTTTTATTTTTTTTTTTTTTTTT ---NTWATKNNWT-----
FOX_M00809	3.6094e-06	AAAAAAAAAAAAAAAAATAAAAAA -----WAAAYAACANT
AIRE_M01000	7.1302e-06	TTTTTTTATTTTTTTTTTTTTTTTT NTTATTAATTGGTTATATTGGKTN
Hb_M00022	1.0610e-05	TTTTTTTATTTTTTTTTTTTTTTTT -NTTTTTNYK-----



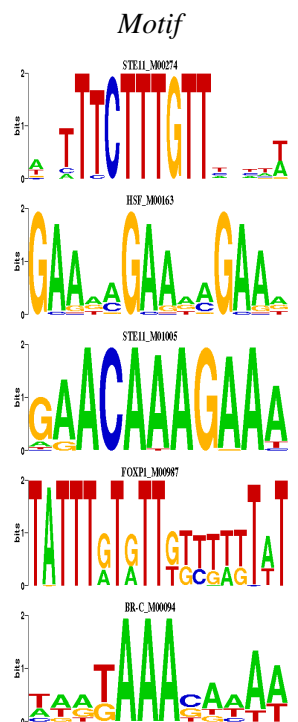
M7



*forward*

*reverse compliment*

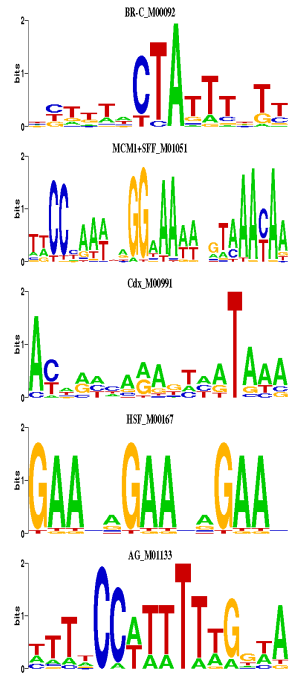
<i>Name</i>	<i>E value</i>	<i>Alignment</i>
STE11_M00274	6.0633e-11	TTTTTTTTTCTTTCCTTTTTTTTT ----WNTTTCCTTGTNNNNW--
HSF_M00163	1.2538e-08	-AAAAAAAAAGAAAGAAAAAAAAA GAANAGAANAGAN-----
STE11_M01005	7.6006e-08	TTTTTTTTTCTTTCCTTTTTTTTT ----TTCTTTGTTC-----
FOXP1_M00987	7.7760e-08	TTTTTTTTTCTTTCCTTTTTTTTT ----TATTTGTTGTTTTTTAT
BR-C_M00094	2.6057e-07	TTTTTTTTTCTTTCCTTTTTTTTT ----TTWTSTTTAYWW-----



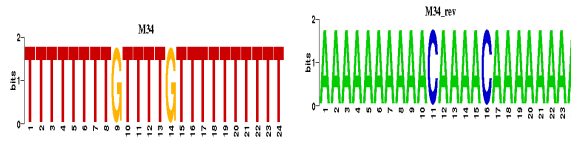
Stamp Results

04/30/14

BR-C_M00092	7.9614e-07	AAAAAAAAAAGAAAGAAAAAAAAA -RANAAATAGNWNNNN-----
MCM1+SFF_M01051	1.0825e-06	TTTTTTTTTCTTTCTTTTTTTTTT----- --TTRTTTANNWTNCCNNWTTNGNA
Cdx_M00991	8.3369e-06	TTTTTTTTTCTTTCTTTTTTTTTT -----TTTATNNNTYTNNYNRT
HSF_M00167	8.8907e-05	TTTTTTTTTCTTTCTTTTTTTTTT- -----NTTCNNTTCNNTTC
AG_M01133	2.2421e-04	--AAAAAAAAAAGAAAGAAAAAAAAA TWNCAAAAWGGNAAN-----



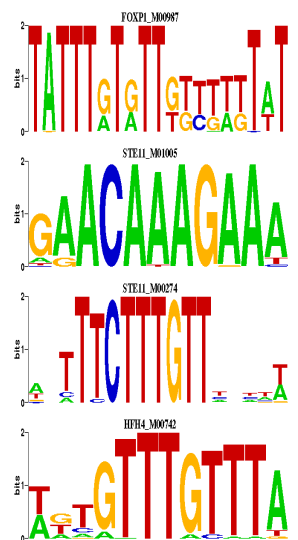
M34



*forward*

*reverse compliment*

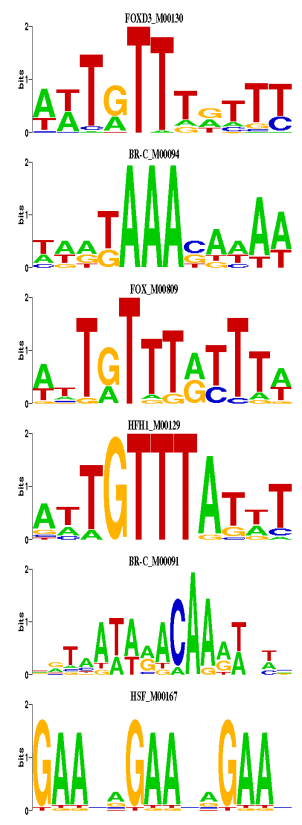
Name	E value	Alignment
FOXP1_M00987	0.0000e+00	AAAAAAAAAAACAAAACAAAAAAAAA --ATAAAAACAACACAATA---
STE11_M01005	8.2606e-08	TTTTTTTTGTTTGTTTTTTTTTT -TTCTTTGTT-----
STE11_M00274	2.1651e-07	TTTTTTTTGTTTGTTTTTTTTTT ----WNTTCTTTGTNNNNW---
HFH4_M00742	8.5043e-07	AAAAAAAAAAACAAAACAAAAAAAAA --TAAACAAACAMW-----



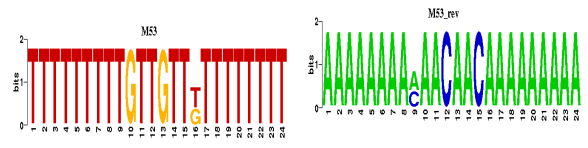
Stamp Results

04/30/14

FOXD3_M00130	8.7242e-07	TTTTTTTTGTTTTGTTTTTTTTTT -----AWTGTNTTTT---
BR-C_M00094	1.1656e-06	AAAAAAAAAACAAAACAAAAAAAA ---WWRTAASAWAA-----
FOX_M00809	1.3647e-06	AAAAAAAAAACAAAACAAAAAAAA --WAAAYAACANT-----
HFH1_M00129	1.5569e-06	AAAAAAAAAACAAAACAAAAAAAA ---AWATAAACAWT-----
BR-C_M00091	1.5740e-06	AAAAAAAAAACAAAACAAAAAAAA -NNTNATARACAARWNN-----
HSF_M00167	4.1962e-06	TTTTTTTTGTTTTGTTTTTTTTTT ---NTTCNNTTCNNTTC-----

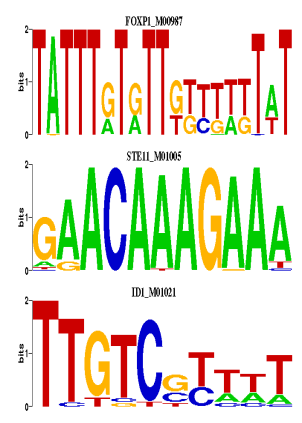


M53



*forward*                      *reverse compliment*

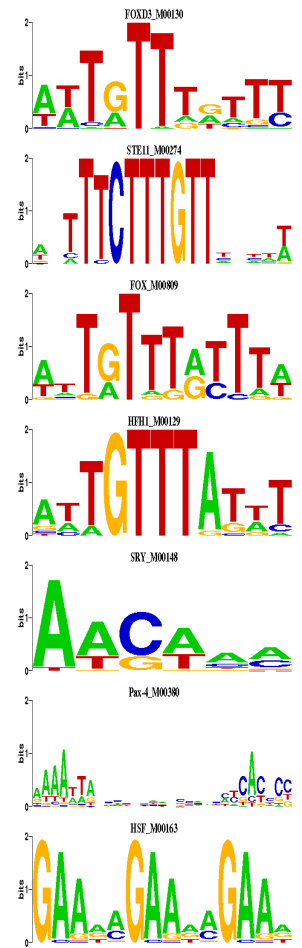
Name	E value	Alignment
FOXP1_M00987	0.0000e+00	TTTTTTTTGTTGTTKTTTTTTTT --TATTTGTGTTGTTTTTTAT---
STE11_M01005	8.2606e-08	TTTTTTTTGTTGTTKTTTTTTTT --TTTCTTTGTT-----
ID1_M01021	4.9039e-06	TTTTTTTTGTTGTTKTTTTTTTT -----TTGTCSTTWT-----



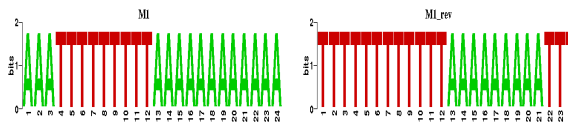
Stamp Results

04/30/14

FOXD3_M00130	5.2906e-06	TTTTTTTTTGTGTTKTTTTTTTT -----AWTGTTTNTT-----
STE11_M00274	7.3592e-06	AAAAAAAAAMAACAACAAAAAAAAA ----WNNNNAACAAGAAANW---
FOX_M00809	8.7243e-06	AAAAAAAAAMAACAACAAAAAAAAA ---WAAAYAAACANT-----
HFH1_M00129	1.0739e-05	TTTTTTTTTGTGTTKTTTTTTTT -----AWTGTTTATWT-----
SRY_M00148	5.2128e-05	AAAAAAAAAMAACAACAAAAAAAAA -----AACANM-----
Pax-4_M00380	5.3037e-05	AAAAAMAACAACAAAAAAAAA----- NAAAWTANNNNNNNNNNNNNNNNCACNCN
HSF_M00163	1.3632e-04	TTTTTTTTTGTGTTKTTTTTTTT -----NTTCNTTCTNTTC-



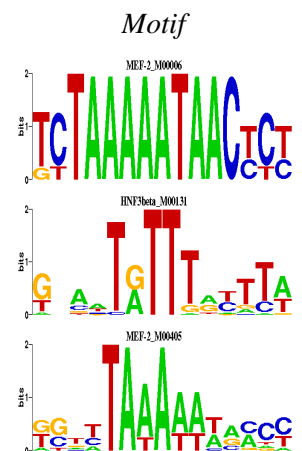
M1



*forward*

*reverse compliment*

Name	E value	Alignment
MEF-2_M00006	1.0134e-06	TTTTTTTTTTTTTAAAAAAAAAATTT -----TCTAAAAATAACYCY
HNF3beta_M00131	2.3403e-06	-AAATTTTTTTTTTAAAAAAAAAAAA GNANRTRTTTRYTTW-----
MEF-2_M00405	2.4079e-06	AAATTTTTTTTTTAAAAAAAAAAAA --RGKNWTTTTTANNSM-----

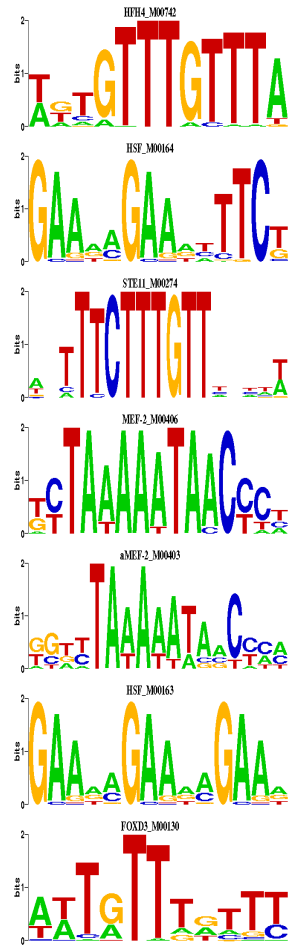




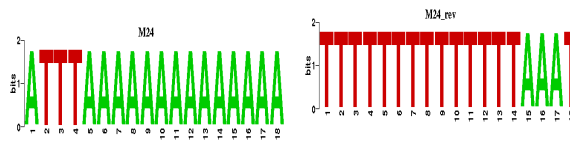
Stamp Results

04/30/14

HFH4_M00742	7.7264e-06	AAATTTTTTTTTTAAAAAAAAAAAA -----TAAACAAACAMW-
HSF_M00164	9.8839e-06	--AAATTTTTTTTTTAAAAAAAAAAAA AGAANN TTCNTTC-----
STE11_M00274	1.3325e-05	AAATTTTTTTTTTAAAAAAAAAAAA-- -----WNNNNAACAAAGAAANW
MEF-2_M00406	1.3971e-05	AAATTTTTTTTTTAAAAAAAAAAAA NGGTTATTTTTAGM-----
aMEF-2_M00403	2.1780e-05	TTTTTTTTTTTTTAAAAAAAAAATTT KARGNTATTTTTARNCM-----
HSF_M00163	2.6091e-05	-TTTTTTTTTTTTTAAAAAAAAAATTT NTTCNTTCNTTC-----
FOXD3_M00130	2.9126e-05	AAATTTTTTTTTTAAAAAAAAAAAA -AWTGTNTTT-----



M24

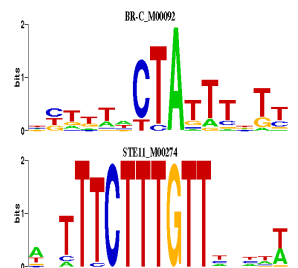


*forward*

*reverse compliment*

Name	E value	Alignment
BR-C_M00092	4.1911e-08	ATTTAAAAAAAAAAAAAAAA-- ----RANAAATAGNWNNNN
STE11_M00274	5.6545e-08	ATTTAAAAAAAAAAAAAAAA-- ---WNNNNAACAAAGAAANW

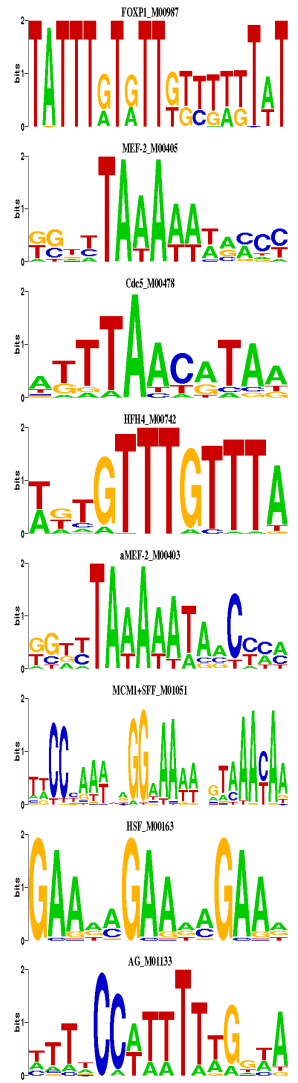
*Motif*



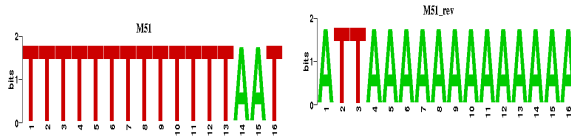
Stamp Results

04/30/14

FOXP1_M00987	8.5476e-08	ATTTAAAAAAAAAAAAAAAA--- --ATAAAAAAAAAACACAAATA
MEF-2_M00405	7.5411e-07	TTTTTTTTTTTTTTTAAAT- ----RGKNWTTTTTANNSM
Cdc5_M00478	1.1523e-06	TTTTTTTTTTTTTTTAAAT -----NTAYGTTAAMN
HFH4_M00742	1.5784e-06	ATTTAAAAAAAAAAAAAAAA ---TAAACAAACAMW---
aMEF-2_M00403	2.6433e-06	TTTTTTTTTTTTTTTAAAT- --KRGNTATTTTTARNCM
MCM1+SFF_M01051	3.3795e-06	-----ATTTAAAAAAAAAAAAAAAA--- TNCNAAWNNGGNAAWANNTAAAYAA
HSF_M00163	5.3647e-06	-TTTTTTTTTTTTTTTAAAT NTTCNTTCTNTTC-----
AG_M01133	1.1403e-05	TTTTTTTTTTTTTTTAAAT NTTNCWTTTTTGNWA--



**M51**

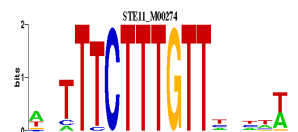


*forward*

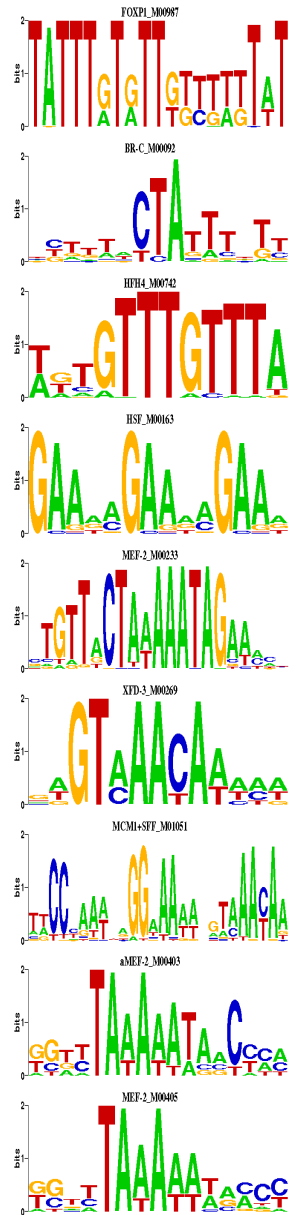
*reverse compliment*

Name	E value	Alignment
STE11_M00274	3.1771e-08	ATTAAAAAAAAAAAAAA- WNNNNAACAAAGAAANW

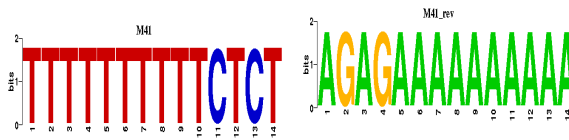
*Motif*



FOXP1_M00987	5.0598e-08	ATTAAAAAAAAAAAAA--- ATAAAAAACAACACAAATA
BR-C_M00092	5.7898e-08	ATTAAAAAAAAAAAAA-- ---RANAAATAGNWNNNN
HFH4_M00742	6.5779e-07	ATTAAAAAAAAAAAAA --TAAACAAACAMW--
HSF_M00163	1.8274e-06	-TTTTTTTTTTTTTAAT NTTCTNTTCTNTTC---
MEF-2_M00233	3.5155e-06	---TTTTTTTTTTTTTAAT-- NNNTTCTATTTTTAGTAACAN
XFD-3_M00269	1.1437e-05	TTTTTTTTTTTTTTAAT- ----WKWTGTTTACWN
MCM1+SFF_M01051	1.7382e-05	----TTTTTTTTTTTTTAAT----- TTRTTTANNWTTCNNWTTNGNA
aMEF-2_M00403	2.7190e-05	TTTTTTTTTTTTTTAAT-- -KKRGNTATTTTTARNCM
MEF-2_M00405	2.8516e-05	TTTTTTTTTTTTTTAAT-- ---RGKNWTTTTTANNM



**M41**













*forward*

*reverse complement*

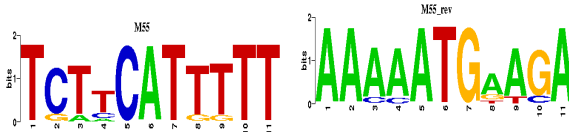
*Name*                      *E value*                      *Alignment*                      *Motif*

Stamp Results

04/30/14

STE11_M01005	3.1568e-08	TTTTTTTTTCTCT TTTCTTTGTC---	
STE11_M00274	7.1803e-07	-AGAGAAAAAAAAAA-- WNNNNAACAAAGAAANW	
HSF_M00163	1.3240e-06	-TTTTTTTTTCTCT NTTCTNTTCTNTTC-	
XFD-3_M00269	3.2566e-06	TTTTTTTTTCTCT WKWTTGTTTACWN-	
ARF_M00438	9.5432e-05	AGAGAAAAAAAAAA -GAGACAA-----	
FOXP1_M00987	1.2646e-04	AGAGAAAAAAAAAA----- --ATAAAAAACAACACAAATA	
HFH1_M00129	1.5490e-04	-TTTTTTTTTCTCT AWTGTTTATWT----	
FOXD3_M00130	1.6237e-04	-TTTTTTTTTCTCT AWTGTNTNTT-----	
Hb_M00022	1.8228e-04	-TTTTTTTTTCTCT NTTTTTNYK-----	
dl_M00120	2.4136e-04	TTTTTTTTTCTCT ---NGNTTTCYC-	

M55



*forward*

*reverse complement*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MADS-A_M00408	3.8975e-07	TCTTCATTTTT---- TTTCCATTTTTNNWN	
MADS-B_M00404	4.1721e-07	---AAAAATGAAGA NCYAAAAATGSAAA	
IRF_M00772	3.0854e-06	AAAAATGAAGA--- RRAANTGAAASNNN	
AG_M01133	4.2923e-06	----AAAAATGAAGA- TWNCAAAAAWGGNAAN	
IRF-2_M00063	6.3201e-06	AAAAATGAAGA- AAAAGYGAAASY	
IRF-1_M00062	1.1608e-05	-TCTTCATTTTT GGTTTCRCTTTT	
MCM1+SFF_M01051	3.2232e-05	-----AAAAATGAAGA--- TNCNAAWNNGGNAAWANNTAAAYAA	
IRF_M00972	3.8360e-05	TCTTCATTTTT NTTTCWNTTTT-	
Lentiviral_M00318	4.7032e-05	TCTTCATTTTT -CTTTATT---	
ISGF-3_M00258	8.1060e-05	-TCTTCATTTTT-- AGTTTCWNTTTCNC	

M59



*forward*

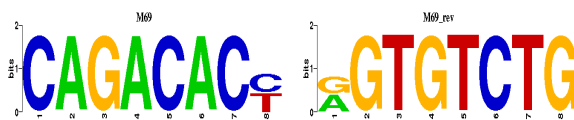


*reverse compliment*



Name	E value	Alignment	Motif
FOXP1_M00987	7.6099e-05	TGTGTGTGTGTGTGTGTGTGTGTG TATTTGTGTTGTTTTTAT-----	
RAP1_M00213	2.2558e-04	TGTGTGTGTGTGTGTGTGTGTGTG NRTGTATGGGTKY-----	
HFH4_M00742	3.4623e-04	TGTGTGTGTGTGTGTGTGTGTGTG WKTGTTTGTITTA-----	
CACD_M01113	1.6175e-03	TGTGTGTGTGTGTGTGTGTGTGTG -GGGYGTG-----	
Egr-3_M00245	2.2570e-03	CACACACACACACACACACACACA -ACGCCACGCA-----	
Egr-1_M00243	2.9076e-03	TGTGTGTGTGTGTGTGTGTGTGTG TGCGTGGGCGK-----	
Egr-2_M00246	4.5239e-03	TGTGTGTGTGTGTGTGTGTGTGTG TGCGTGGGCGK-----	
NGFI-C_M00244	5.1283e-03	CACACACACACACACACACACACA -CCRCCACGCA-----	
RREB-1_M00257	5.7718e-03	TGTGTGTGTGTGTGTGTGTGTGTG -GGGGTGGTTTGGG-----	
GBF_M00633	1.2620e-02	TGTGTGTGTGTGTGTGTGTGTGTG TNGGGTN-----	




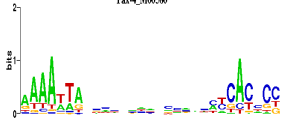




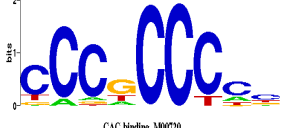

M69



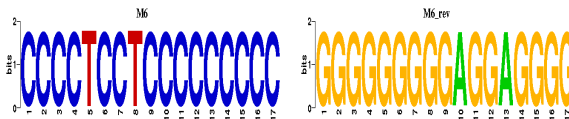
forward



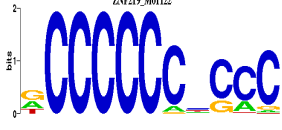











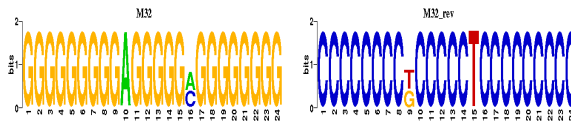
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
ZNF219_M01122	1.3895e-10	GGGGGGGGGGAGGGAGGGGGGGGG GGNGGGGGGN-----	
KROX_M00982	2.1546e-09	GGGGGGGGGGAGGGAGGGGGGGGG GNNNGGGGGCG-----	
TFII-I_M00706	8.0531e-09	CCCCCCCCCTCCCTCCCCCCCCC -----CCTMCNTC-----	
Pax-4_M00380	2.7235e-08	GGGGGGGGGGAGGGAGGGGGGGGG----- -NGNGTGNNNNNNNNNNNNNNNTAWTTTN	
MAZ_M00649	3.2502e-08	CCCCCCCCCTCCCTCCCCCCCCC -----CCCTCC-----	
MAZR_M00491	1.4729e-07	GGGGGGGGGGAGGGAGGGGGGGGG----- -SGGGGGGGGMNN-----	
UF1H3BETA_M01068	2.4634e-07	CCCCCCCCCTCCCTCCCCCCCCC -----GCCCTCCCCRC-----	
RREB-1_M00257	1.7614e-05	GGGGGGGGGGAGGGAGGGGGGGGG----- -GGGGTGGTTTGG-----	
Sp1_M00933	5.5059e-05	CCCCCCCCCTCCCTCCCCCCCCC -----CCCKCCCN-----	
CAC-binding_M00720	5.6072e-05	CCCCCCCCCTCCCTCCCCCCCCC -----CCCASCCY-----	

M6



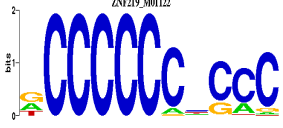

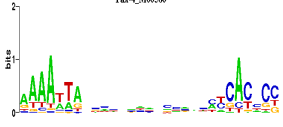







	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
AtMYB-84_M00970	6.0383e-09	CCCCTCCTCCCCCCCCC --SCACCTACCNCC---	
MAZR_M00491	1.6051e-08	GGGGGGGGGAGGAGGGG SGGGGGGGGMNN-----	
ZNF219_M01122	4.0596e-08	-GGGGGGGGGAGGAGGGG GGGNGGGGGGN-----	
KROX_M00982	1.7669e-07	-GGGGGGGGGAGGAGGGG GNNNGGGGGCGG-----	
UF1H3BETA_M01068	2.5495e-07	GGGGGGGGGAGGAGGGG- -----GYGGGGGAGGGGC	
TFII-I_M00706	6.4593e-06	CCCCTCCTCCCCCCCCC -----CCTMCNTC-----	
MAZ_M00649	2.4997e-05	CCCCTCCTCCCCCCCCC -CCCTCCC-----	
VDR_M00444	4.9704e-05	--CCCCTCCTCCCCCCCCC TSWCCYYNYTNMCC-----	
Sp1_M00196	1.1107e-04	CCCCTCCTCCCCCCCCC- -----NCCCCGCCCCN	
Sp1_M00931	1.4515e-04	CCCCTCCTCCCCCCCCC -----NCCCCGCC-	

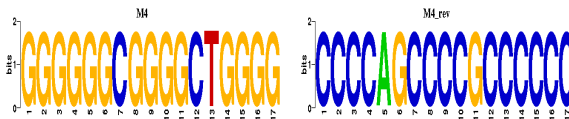
M32





	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
KROX_M00982	4.4309e-11	GGGGGGGGTGGGGTGGGGGGGGGG -----GNNNGGGGGGCG--	
RREB-1_M00257	8.2466e-11	GGGGGGGGTGGGGTGGGGGGGGGG ----GGGGTGGTTTGGG-----	
ZNF219_M01122	1.3895e-10	GGGGGGGGTGGGGTGGGGGGGGGG-- -----GGNGGGGGGGN	
UF1H3BETA_M01068	6.9905e-10	-CCCCCCCCCACCACCCCCCCCC GCCCTCCCCRC-----	
Pax-4_M00380	2.2754e-07	GGGGGGGGTGGGGTGGGGGGGGGG----- ----NGNGTGNNNNNNNNNNNNNNNTAWTTN	
SREBP-1_M00221	4.4849e-07	GGGGGGGGTGGGGTGGGGGGGGGG -----GTGGGGTGTAT-----	
MAZR_M00491	4.5097e-07	-GGGGGGGGTGGGGTGGGGGGGGGG-- S-----SGGGGGGGMNN	
CAC-binding_M00720	1.8002e-06	GGGGGGGGTGGGGTGGGGGGGGGG ----RGGSTGGG-----	
GBF_M00633	5.5063e-06	CCCCCCCCCACCACCCCCCCCC -----NACCCNA--	
SREBP-1_M00749	6.6595e-06	GGGGGGGGTGGGGTGGGGGGGGGG -----TGSGT-----	

M4

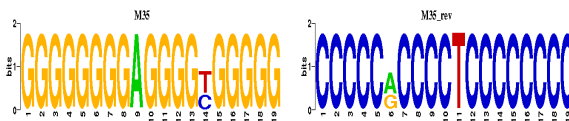




*forward*                      *reverse compliment*

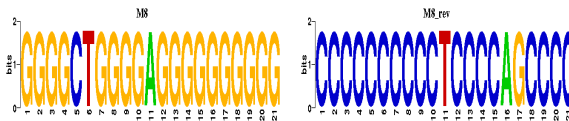
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
UF1H3BETA_M01068	3.1483e-12	CCCCCCCCACCCCCACCCCCCCC ----GCCCTCCCCRC-----	
KROX_M00982	1.4726e-11	GGGGGGGTGGGGGTGGGGGGGG ----GNNNGGGGGCGG-----	
GBF_M00633	2.1865e-09	CCCCCCCCACCCCCACCCCCCCC -----NACCCNA-----	
Alfin1_M00479	2.4775e-09	CCCCCCCCACCCCCACCCCCCCC -----MNNCCCCACNYNYN--	
RREB-1_M00257	3.0037e-08	GGGGGGGTGGGGGTGGGGGGGG GGGGTGGTTTGGG-----	
AtMYB-84_M00970	8.1633e-08	CCCCCCCCACCCCCACCCCCCCC ---SCACCTACCNC-----	
ZNF219_M01122	8.2364e-08	GGGGGGGTGGGGGTGGGGGGGG -----GGNGGGGGGN--	
MAZR_M00491	4.5097e-07	GGGGGGGTGGGGGTGGGGGGGG--- -----SGGGGGGGMNN	
CAC-binding_M00720	1.8002e-06	GGGGGGGTGGGGGTGGGGGGGG ----RGGSTGGG-----	
Pax-4_M00380	1.1261e-05	-GGGGGGGTGGGGGTGGGGGGGG---- NGNGTGNNNNNNNNNNNNNNNTAWTTN	






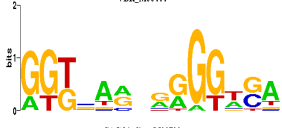




**M35**



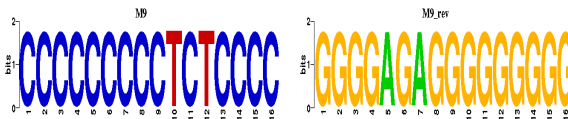
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
UF1H3BETA_M01068	6.5326e-12	CCCCRCCCCTCCCCCCC -----GCCCTCCCCRC-	
ZNF219_M01122	3.0262e-09	GGGGGGGAGGGGYGGGG ---GGNGGGGGGN-----	
KROX_M00982	5.4124e-09	GGGGGGGAGGGGYGGGG--- -----GNNNGGGGGCGG	
MAZ_M00649	1.4779e-08	CCCCRCCCCTCCCCCCC -----CCCTCC-----	
Sp1_M00931	7.4986e-07	CCCCRCCCCTCCCCCCC NCCCCGCC-----	
RREB-1_M00257	8.7874e-07	GGGGGGGAGGGGYGGGG ----GGGTGGTTTGG--	
Sp1_M00933	1.0539e-06	CCCCRCCCCTCCCCCCC --CCCKCCCN-----	
Alfin1_M00479	1.7014e-06	--CCCCRCCCCTCCCCCCC MNNCCCCACNYNYN-----	
Sp1_M00196	2.0164e-06	-CCCCRCCCCTCCCCCCC NNCCCCGCCCN-----	
AtMYB-84_M00970	2.7225e-06	GGGGGGGAGGGGYGGGG --GGNGGTAGGTGS-----	

M8

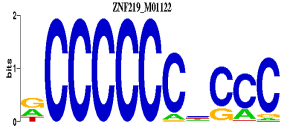











	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
ZNF219_M01122	1.1244e-10	GGGGCTGGGGAGGGGGGGGGG- -----GGNGGGGGGGN	
KROX_M00982	4.9743e-10	GGGGCTGGGGAGGGGGGGGGG GNNNGGGGGCGG-----	
UF1H3BETA_M01068	1.8602e-09	GGGGCTGGGGAGGGGGGGGGG ---GYGGGGAGGGGC-----	
MAZ_M00649	2.0872e-08	CCCCCCCCCTCCCCAGCCCC -----CCCTCC-----	
MAZR_M00491	2.0191e-07	-GGGGCTGGGGAGGGGGGGGG-- S-----SGGGGGGGMNN	
VDR_M00444	8.9595e-06	CCCCCCCCCTCCCCAGCCCC -TSWCCYNYTNMCC-----	
CAC-binding_M00720	9.2260e-06	GGGGCTGGGGAGGGGGGGGGG -RGGSTGGG-----	
Sp1_M00933	3.0776e-05	CCCCCCCCCTCCCCAGCCCC -----CCKCCCCN-----	
Sp3_M00665	3.8459e-05	GGGGCTGGGGAGGGGGGGGGG -SMCTTGGGSRGG-----	
Sp1_M00931	4.6956e-05	CCCCCCCCCTCCCCAGCCCC -----NCCCCGCC-----	

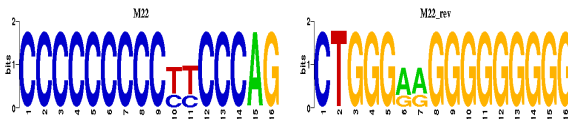
**M9**















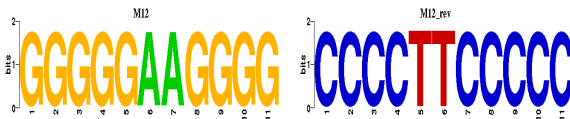
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
ZNF219_M01122	2.9383e-08	GGGGAGAGGGGGGGGG-- -----GGNGGGGGGGN	
MAZR_M00491	2.9574e-08	GGGGAGAGGGGGGGGG--- -----SGGGGGGGGMNN	
KROX_M00982	2.9474e-07	CCCCCCCCCTCTCCCC -CCGCCCCCNCNNC--	
UF1H3BETA_M01068	1.2408e-06	CCCCCCCCCTCTCCCC-- ----GCCCCCTCCCCRC	
AtMYB-84_M00970	1.2747e-05	GGGGAGAGGGGGGGGGG GGNGGTAGGTGS----	
TFII-I_M00706	2.7241e-05	CCCCCCCCCTCTCCCC ---CCTMCNTC-----	
MAZ_M00649	4.9945e-05	CCCCCCCCCTCTCCCC -----CCCTCCC-	
Sp1_M00196	7.4514e-05	--CCCCCCCCCTCTCCCC NNCCCCGCCCCN-----	
VDR_M00444	1.0080e-04	CCCCCCCCCTCTCCCC TSWCCYNYTNMCC--	
Sp1_M00931	1.1754e-04	-CCCCCCCCCTCTCCCC NCCCCGCC-----	

M22



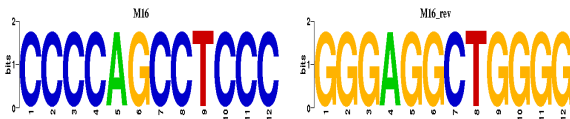
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
ZNF219_M01122	3.4724e-09	CTGGGAAGGGGGGGGG --GGNGGGGGGN---	
MAZR_M00491	2.9574e-08	CTGGGAAGGGGGGGGG--- -----SGGGGGGGGMNN	
KROX_M00982	1.1157e-07	CTGGGAAGGGGGGGGG --GNNNGGGGGCGG-	
VDR_M00444	8.1360e-06	CCCCCCCCCTTCCCAG TSWCCYNYTNMCC--	
MAZ_M00649	1.7322e-05	CCCCCCCCCTTCCCAG -----CCCTCC--	
Alfin1_M00479	4.1088e-05	---CCCCCCCCCTTCCCAG MNNCCCCACNYNYN-----	
UF1H3BETA_M01068	4.1776e-05	CCCCCCCCCTTCCCAG- ----GCCCCTCCCCRC	
Sp1_M00196	7.4514e-05	--CCCCCCCCCTTCCCAG NNCCCCGCCCCN-----	
Sp3_M00665	7.7615e-05	---CTGGGAAGGGGGGGGG SMCTTGGGSRGGG-----	
CAC-binding_M00720	9.0092e-05	CTGGGAAGGGGGGGGG -----RGGSTGGG--	




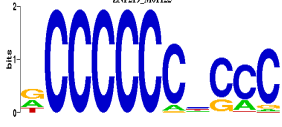

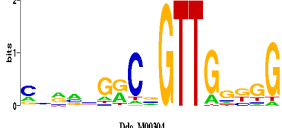

**M12**



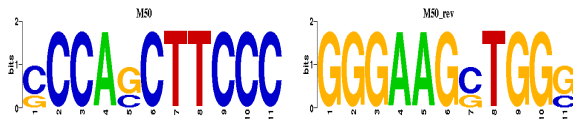
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
UF1H3BETA_M01068	2.6569e-10	CCCCTTCCCC-- GCCCTTCCCCRC	
AtMYB-84_M00970	7.3430e-09	GGGGGAAGGGG- GGNGGTAGGTGS	
MAF_M00648	1.1511e-06	---CCCCTTCCCC- NSNMMACTTCCYYCN	
VDR_M00444	1.3037e-06	----CCCCTTCCCC TSWCCYYNYTNMCC-	
ZNF219_M01122	7.8775e-06	GGGGGAAGGGG-- --GGNGGGGGGN	
PU.1_M00658	7.9089e-06	CCCCTTCCCC ---CTTCTC-	
KROX_M00982	2.3075e-05	---CCCCTTCCCC CCGCCCCNCNNC-	
MAZ_M00649	3.0625e-05	CCCCTTCCCC --CCCTCC--	
MZF1_M00084	5.4559e-05	CCCCTTCCCC----- ----TTNCCCCTCNNN	
STRE_M00308	1.0872e-04	-CCCCTTCCCC NCCCCT-----	











**M16**



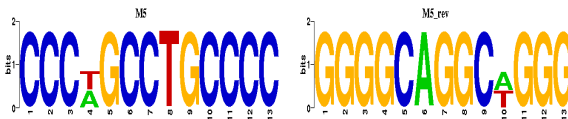
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
CAC-binding_M00720	6.6711e-08	CCCCAGCCTCCC -CCCASCCY---	
MAZ_M00649	5.7340e-06	CCCCAGCCTCCC -----CCCTCCC	
RREB-1_M00257	4.1957e-05	-GGGAGGCTGGGG GGGGTGGTTTGGG	
Tra-1_M01048	5.0723e-05	CCCCAGCCTCCC -----ACCWCCC	
ZNF219_M01122	9.0883e-05	GGGAGGCTGGGG GGGNGGGGGGN-	
KROX_M00982	9.6931e-05	---CCCCAGCCTCCC CCGCCCCNCNNC--	
UF1H3BETA_M01068	2.7807e-04	-CCCCAGCCTCCC GCCCCTCCCCRC	
TFII-I_M00706	2.7895e-04	CCCCAGCCTCCC-- -----CCTMCNTC	
c-Myb_M00004	3.7032e-04	----GGGAGGCTGGGG- NNNNNGRCNGTTGNNNG	
Dde_M00304	5.2866e-04	GGGAGGCTGGGG ----GGCTGAGC	

**M50**



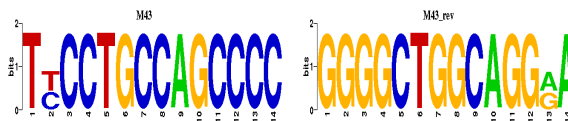
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MAF_M00648	3.5408e-07	-CCCAGCTTCCC--- NSNMMACTTCCYCN	
AtMYB-84_M00970	4.1914e-07	--GGAAGCTGGG GGNGGTAGGTGS-	
TAL1_M00993	1.1313e-05	GGAAGCTGGG -RNCAGNTGG-	
LUN-1_M00480	1.5901e-05	-----GGAAGCTGGG TCCCAAAGTAGCTGGG	
CAC-binding_M00720	1.9626e-05	CCCAGCTTCCC CCCASCCY---	
HEB_M00698	2.5467e-05	GGAAGCTGGG ---CAGCWGG-	
LBP-1_M00644	5.6892e-05	CCCAGCTTCCC -SCAGCN----	
c-Ets-1_M00743	6.0404e-05	CCCAGCTTCCC ----GCTTCK	
AtMYB-15_M00969	6.0752e-05	CCCAGCTTCCC-- -CCACCTACCGTN	
myogenin_M00712	9.5280e-05	CCCAGCTTCCC --CASCTGN--	











M5



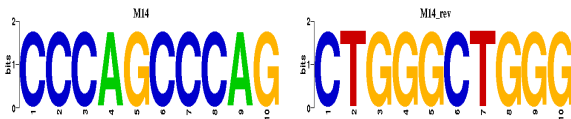
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
CAC-binding_M00720	2.0959e-07	CCCWGCCTGCCCC CCCASCCY-----	
Sp1_M00933	2.5140e-05	-GGGGCAGGCWGGG NNGGGMGG-----	
SMAD4_M00733	2.6751e-05	CCCWGCCTGCCCC- RGNTGKCTGNMYSN	
KROX_M00982	2.0968e-04	CCCWGCCTGCCCC CCGCCCCCNCNNC	
E2A_M00973	2.1594e-04	GGGGCAGGCWGGG --RNCAGNT----	
ZF5_M00333	3.2608e-04	-GGGGCAGGCWGGG RNRNRCGCGCWN--	
MAZ_M00649	5.2639e-04	CCCWGCCTGCCCC CCCTCCC-----	
RREB-1_M00257	6.2128e-04	GGGGCAGGCWGGG GGGTGGTTTGGG	
HNF4_M01033	6.9339e-04	CCCWGCCTGCCCC -----TGNNC-	
Statf_M00264	7.7895e-04	----GGGGCAGGCWGGG--- NNGCNNKGNANNNTGGGANN	



**M43**



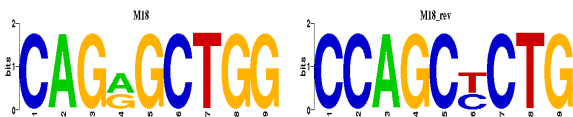
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
TGIF_M00418	4.5951e-06	GGGGCTGGCAGGRA ---GCTGTCANNW-	
Sp1_M00933	3.0669e-05	-GGGGCTGGCAGGRA NNGGGMGGG-----	
KAISO_M01119	1.0018e-04	TYCCTGCCAGCCCC -TCCTGCNAN----	
Ttk_M00009	1.2310e-04	TYCCTGCCAGCCCC GTCCTGC-----	
E2A_M00973	2.8713e-04	GGGGCTGGCAGGRA -----RNCAGNT-	
CAC-binding_M00720	3.0367e-04	GGGGCTGGCAGGRA -RGGSTGGG-----	
BRK_M01096	3.0504e-04	GGGGCTGGCAGGRA ----NTGGCG----	
CHOP-C-EBPalpha_M00249	4.2972e-04	GGGGCTGGCAGGRA GGSNATTGCAYN--	
KROX_M00982	6.3362e-04	TYCCTGCCAGCCCC -CCGCCCCNCNNC	
MAZ_M00649	7.8098e-04	GGGGCTGGCAGGRA -----GGGAGGG-	

**M14**



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
CAC-binding_M00720	1.5114e-07	CTGGGCTGGG --RGGSTGGG	
Sp1_M00931	1.4496e-06	-CCCAGCCCAG NCCCCGCC--	
CP2_M00072	2.9254e-06	CTGGGCTGGG CTGGKTNNG	
Sp1_M00932	4.8380e-05	--CCCAGCCCAG NNCCCCGCCNN	
Sp1_M00196	5.3690e-05	CTGGGCTGGG-- NGGGGCGGGNN	
KROX_M00982	1.6977e-04	----CCCAGCCCAG CCGCCCCNCNNC-	
Dde_M00304	1.7995e-04	CTGGGCTGGG- ---GGCTGAGC	
GC_M00255	3.0303e-04	---CCCAGCCCAG NNGCCCCGCCNN	
Sp1_M00008	4.2825e-04	-CCCAGCCCAG WCCCYGCCY--	
RREB-1_M00257	4.7226e-04	CCCAGCCCAG--- CCCAAACCACCC	

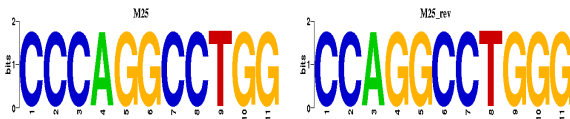
M18



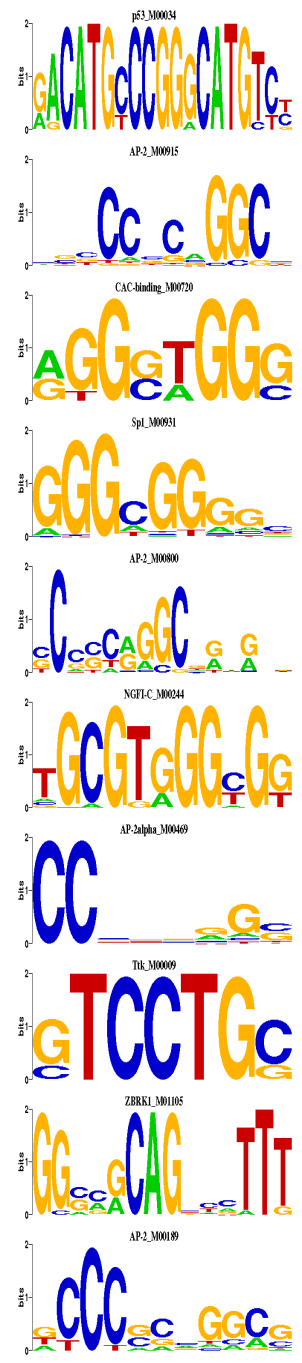


	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Eve_M00629	1.6468e-05	-CAGRGCTGG GCNGNSSWN-	
HEB_M00698	2.2271e-05	CAGRGCTGG --CAGCWGG	
LBP-1_M00644	2.2289e-05	CCAGCYCTG SCAGCN---	
AP-4_M00176	1.0338e-04	-CCAGCYCTG NNCAGCTGN-	
AP-4_M00005	1.3191e-04	-----CAGRGCTGG----- MNGNCNNCAGCTGNNNN	
Alfin1_M00479	1.6247e-04	-----CCAGCYCTG MNNCCCCACNYNYN	
ZBRK1_M01105	2.0582e-04	-CAGRGCTGG----- AAANNCTGCKSCC	
Barbie_M00238	4.7037e-04	---CCAGCYCTG-- CMNNCNSCTTTNNN	
Sry-beta_M00666	4.9035e-04	CAGRGCTGG -AGWGATGC	
ROM_M00700	8.9424e-04	CAGRGCTGG -TGASGTGG	

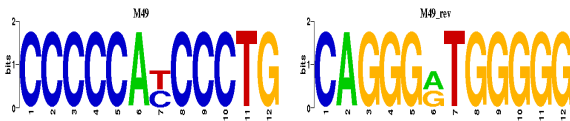
M25







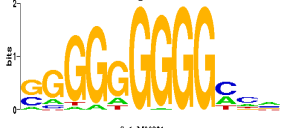





	<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>
p53_M00034	9.0009e-05	--CCAGGCCTGGG----- RGACATGCCCGGGCATGTC
AP-2_M00915	1.0148e-04	CCAGGCCTGGG---- ---NGCCNGNGGNNN
CAC-binding_M00720	1.1660e-03	CCCAGGCCTGG CCCASCCY---
Sp1_M00931	4.1271e-03	-CCCAGGCCTGG NCCCCGCC---
AP-2_M00800	5.2530e-03	--CCAGGCCTGGG-- NNYNYNGCCYGSSGS
NGFI-C_M00244	5.8020e-03	---CCCAGGCCTGG CCRCCACGCA---
AP-2alpha_M00469	6.1324e-03	CCAGGCCTGGG- ----SCNNNGG
Ttk_M00009	6.4930e-03	CCCAGGCCTGG -GCAGGAC---
ZBRK1_M01105	6.5302e-03	CCAGGCCTGGG--- AAANNNTGCKSCC
AP-2_M00189	6.7708e-03	CCAGGCCTGGG--- ---CGCCNGSGGGN

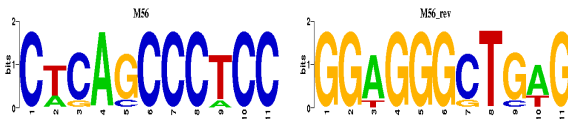







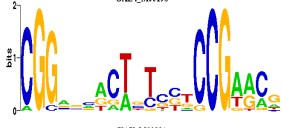




**M49**



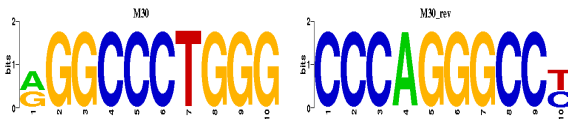
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
ZNF219_M01122	5.2673e-10	CAGGGRTGGGGG-- --GGNGGGGGGGN	
Alfin1_M00479	1.7333e-08	--CCCCAYCCCTG MNNCCCCACNYNYN	
KROX_M00982	2.7120e-08	---CCCCAYCCCTG CCGCCCCCNCNNC--	
UF1H3BETA_M01068	2.5021e-06	CCCCAYCCCTG-- GCCCCTCCCCRC	
CAC-binding_M00720	6.3367e-06	CAGGGRTGGGGG --RGGSTGGG--	
Sp1_M00196	3.4726e-05	-CCCCAYCCCTG NNCCCCGCCCCN-	
MAZR_M00491	3.5109e-05	CAGGGRTGGGGG-- --SGGGGGGGMNN	
Sp1_M00931	8.1895e-05	CCCCAYCCCTG NCCCCGCC---	
Sp1_M00933	9.5609e-05	CCCCAYCCCTG --CCCKCCCN-	
GBF_M00633	9.8374e-05	--CCCCAYCCCTG NACCCNA-----	

M56



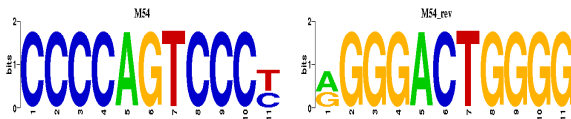
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Dde_M00304	1.1762e-07	GGAGGGCTGAG- ----GGCTGAGC	
MAZ_M00649	4.0622e-06	CTCAGCCCTCC- -----CCCTCCC	
SREBP-1_M00221	2.4069e-05	GGAGGGCTGAG -GTGGGGTGAT	
CDC5_M00361	4.7343e-05	GGAGGGCTGAG- --NSCGCTGAGS	
GAL4_M00049	5.2986e-05	----GGAGGGCTGAG----- STTCGGASNANWGTNNNCCGNN	
GAL4_M00198	8.4804e-05	----GGAGGGCTGAG----- NGYTTCGGNNNANAGNNNNCCG	
UAY_M00391	3.0025e-04	---GGAGGGCTGAG- RTCGGMNNNNKSCGN	
ZBRK1_M01105	1.1067e-03	GGAGGGCTGAG--- AAANNCTGCKSCC	
CAC-binding_M00720	1.2611e-03	GGAGGGCTGAG ---RGGSTGGG	
MAF_M00983	1.2678e-03	----CTCAGCCCTCC NTGACTCANC-----	

**M30**



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
CACCC-binding_M00721	6.3696e-05	-----CCCAGGGCCY CCNCACCCWNNKGNT	
AP-2alpha_M00469	3.4509e-04	-CCCAGGGCCY SCN>NNNGG----	
EBF_M00977	4.2001e-04	-CCCAGGGCCY NCYCWRGGGA-	
MTF-1_M00650	7.4911e-04	RGGCCCTGGG---- GGGCCGNGTGCAN	
PCF2_M00948	1.3932e-03	--RGGCCCTGGG GTGGGNCCN----	
Olf-1_M00261	1.6060e-03	----RGGCCCTGGG----- NCMNNYTCCCNRGGGANTNGN	
Sp3_M00665	1.9145e-03	-----CCCAGGGCCY CCCYSCCCAAGKS--	
AP-2gamma_M00470	1.9379e-03	-CCCAGGGCCY SCN>NNNGG----	
LRH1_M01142	2.7131e-03	-CCCAGGGCCY NTNCAAGGYYN	
AP-2_M00915	3.0374e-03	RGGCCCTGGG---- --NGCCNGNGGNNN	

M54



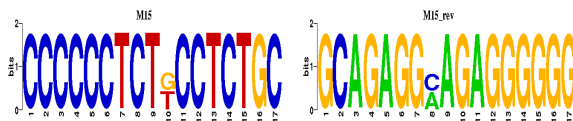
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
KROX_M00982	1.5169e-05	---CCCCAGTCCCY CCGCCCCNCNCC-	
ZNF219_M01122	3.7852e-05	RGGGACTGGGG- -GGNGGGGGGN	
VDR_M00444	2.1509e-04	---CCCCAGTCCCY TSWCCYYNYTNMCC	
SREBP-1_M00749	4.8755e-04	RGGGACTGGGG- -----TGGSGT	
UF1H3BETA_M01068	5.6863e-04	-CCCCAGTCCCY- GCCCTCCCCRC	
AP-2_M00915	5.8264e-04	RGGGACTGGGG--- --NGCCNGNGGNNN	
Sp1_M00196	9.4766e-04	-CCCCAGTCCCY NNCCCCGCCCN	
BRK_M01096	9.6009e-04	RGGGACTGGGG -----NTGGCG	
CAC-binding_M00720	1.1660e-03	CCCCAGTCCCY -CCCASCCY--	
ZBRK1_M01105	1.4461e-03	-RGGGACTGGGG-- AAANNCTGCKSCC	




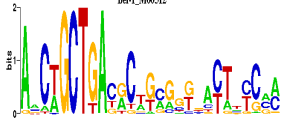



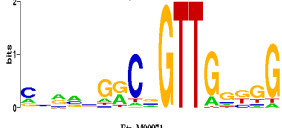


**M10**



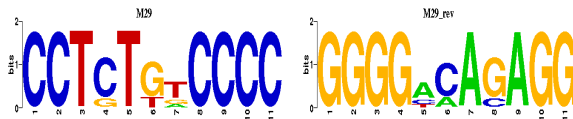
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
SMAD3_M00701	2.9890e-05	GGAGGCAGAG --AGNCAGAC	
PU.1_M00658	3.1639e-05	GGAGGCAGAG -GAGGAAG--	
Dde_M00304	4.0056e-05	GGAGGCAGAG-- ---GGCTGAGC	
Zta_M00711	5.3655e-04	GGAGGCAGAG-- TGWGYCANNNTN	
Adf-1_M00171	5.5002e-04	--GGAGGCAGAG--- NMNGCNRCRGRGCG	
TFII-I_M00706	6.3931e-04	CTCTGCCTCC -CCTMCNTC-	
ERF2_M01057	6.8467e-04	GGAGGCAGAG GGCGGC----	
MAZ_M00649	8.5308e-04	CTCTGCCTCC- ----CCCTCCC	
GCR1_M00046	1.1641e-03	GGAGGCAGAG -GWGGAAGC-	
Nrf-2_M00108	1.3055e-03	CTCTGCCTCC SNCTTCCGG-	

**M15**



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
PU.1_M00658	9.1464e-07	GCAGAGGMAGAGGGGGG ---GAGGAAG-----	
ZNF219_M01122	2.5733e-05	GCAGAGGMAGAGGGGGG- -----GGGNGGGGGGN	
TFII-I_M00706	3.6814e-05	CCCCCTCTKCCTCTGC CCTMCNTC-----	
Bel-1_M00312	6.2460e-05	-----CCCCCTCTKCCTCTGC----- KNGRNAGTNMNCKCWGYRTCAGCAGNT	
GCR1_M00046	1.3468e-04	GCAGAGGMAGAGGGGGG ---GWGGAAGC-----	
Elf-1_M00746	1.7017e-04	CCCCCTCTKCCTCTGC -----AYTTCCTCTTN	
Nrf-2_M00108	2.8916e-04	CCCCCTCTKCCTCTGC -----SNCTTCCGG---	
c-Myb_M00004	3.1063e-04	GCAGAGGMAGAGGGGGG NNNNNGRCNGTTGNNNG	
Ets_M00971	3.8922e-04	GCAGAGGMAGAGGGGGG ---NAGGAAG-----	
STRE_M00308	4.9418e-04	CCCCCTCTKCCTCTGC -NCCCCT-----	

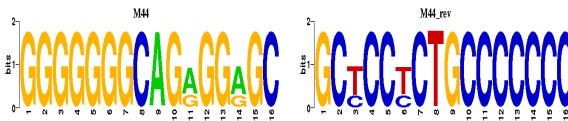
M29





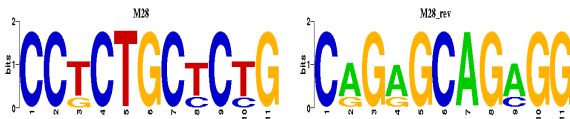
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
PPARgamma-RXRalpha_M00512	4.9417e-06	--GGGGACAGAGG----- NNGRGGTCAAAGGTCANNNN	
COUP_M00765	8.6224e-06	GGGGACAGAGG-- -GGGNCAAAGGTC	
ARP-1_M00155	5.2015e-05	---CCTCTGTCCCC- GARCCYTTGAMCCYW	
SMAD3_M00701	2.1892e-04	GGGGACAGAGG --AGNCAGAC-	
NRSF_M00256	2.8530e-04	-CCTCTGTCCCC----- GSYGTGTCCGTGGTGCTGA	
ISGF-3_M00258	4.4571e-04	GGGGACAGAGG---- -GNGAAANWGAAACT	
LF-A1_M00646	5.1508e-04	CCTCTGTCCCC ---YWGASCC-	
PPAR_M00762	5.2841e-04	---CCTCTGTCCCC TGACCTTTGNCC--	
ABF1_M00399	1.0170e-03	----GGGGACAGAGG----- WNNNNGGGACACGTGGCNGANN	
MZF1_M00083	1.4369e-03	CCTCTGTCCCC-- -----TCCCCNN	











**M44**



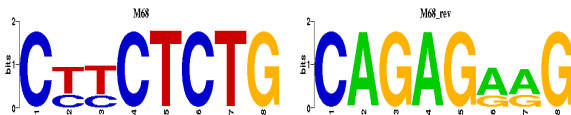
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
KROX_M00982	7.4859e-06	GGGGGGGCAGAGGAGC ---GNNNGGGGGGCGG	
MAZR_M00491	1.2932e-05	--GGGGGGGCAGAGGAGC SGGGGGGGGMNN-----	
UF1H3BETA_M01068	1.4434e-05	GCTCCTCTGCCCCCCC --GCCCTCCCCRC-	
ZNF219_M01122	2.7962e-05	GGGGGGGCAGAGGAGC -----GGNGGGGGGN	
AtMYB-84_M00970	8.6321e-05	GGGGGGGCAGAGGAGC --GGNGGTAGGTGS--	
HEN1_M00068	1.6019e-04	-GGGGGGGCAGAGGAGC---- NNNGGNCNCAGCTGNGNCNN	
MAZ_M00649	2.3211e-04	GCTCCTCTGCCCCCCC -----CCCTCCC	
Egr_M00807	2.5259e-04	GCTCCTCTGCCCCCCC -----NYYGCSCCA-	
COUP_M00765	2.9967e-04	GGGGGGGCAGAGGAGC ---GGNCAAAGGTC-	
COUPTF_M01036	4.3661e-04	--GGGGGGGCAGAGGAGC---- NKNNRNGKNNAAAGGTCANNNN	


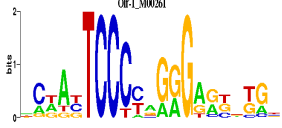
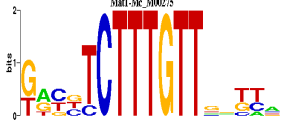







M28



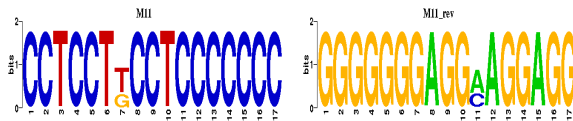
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
HSF_M00167	1.0639e-05	CCTCTGCTCTG--- NTTCNNTTCNNTTC	
TAL1_M00993	2.2899e-05	CAGAGCAGAGG-- ---RNCAGNTGG	
dTCF_M00362	2.0646e-04	CAGAGCAGAGG AAGATCAAAG--	
Eve_M00629	4.4127e-04	-CAGAGCAGAGG GCNGNSSWN---	
COUPTF_M01036	5.0886e-04	----CAGAGCAGAGG----- NKNNRNGKNNAAAGGTCANNNN	
HSF_M00170	1.0005e-03	CCTCTGCTCTG--- NTTCNNTTCNNGAA	
GR_M00205	1.8304e-03	----CCTCTGCTCTG GTACANNNTGTYCTK	
GATA-2_M00349	1.8311e-03	CCTCTGCTCTG --TNTTATCTS	
Pax-1_M00326	2.3545e-03	-----CAGAGCAGAGG-- ATATCTAGAGCGGAACG	
HNF4alpha1_M00411	3.6427e-03	CAGAGCAGAGG---- -RGGNCAAAGGTCAN	








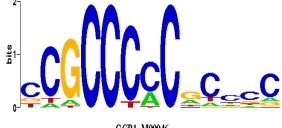


**M68**



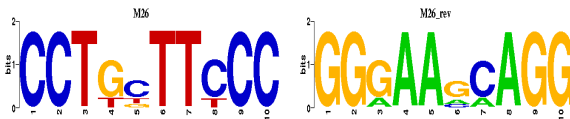
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
GATA-2_M00349	1.5504e-04	-CTTCTCTG TNTTATCTS	
Olf-1_M00261	2.2814e-04	----CTTCTCTG----- NCMNNYTCCCNRRGGANTNGN	
Mat1-Mc_M00275	3.0960e-04	-----CAGAGAAG-- NRMNNAACAAAGANRYC	
GATA-1_M00347	3.9877e-04	-CTTCTCTG YNTTATCTN	
Sry-beta_M00666	4.2184e-04	CAGAGAAG- -AGWGATGC	
STE11_M01005	5.9293e-04	CTTCTCTG--- TTTCTTTGTTT	
GATA-2_M00348	7.2598e-04	-CTTCTCTG NSTTATCWN	
Alx-4_M00619	9.3326e-04	----CTTCTCTG GATTATTCTCAG	
PEND_M01015	9.3762e-04	-CTTCTCTG ACTTCTT--	
GATA-3_M00350	1.0102e-03	-CTTCTCTG TNTTATCTY	

**M11**



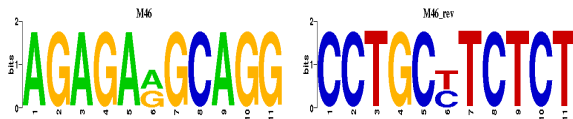
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
ZNF219_M01122	4.2468e-08	GGGGGGGAGGAAGGAGG GGGNGGGGGGN-----	
PU.1_M00658	1.2187e-07	GGGGGGGAGGAAGGAGG -----GAGGAAG-----	
MAZR_M00491	2.5724e-06	CCTCCTTCCTCCCCCCC ----NNKCCCCCCCCS--	
TFII-I_M00706	6.4593e-06	CCTCCTTCCTCCCCCCC -----CCTMCNTC--	
UF1H3BETA_M01068	1.0373e-05	CCTCCTTCCTCCCCCCC ----GCCCTCCCCRC	
NERF1a_M00531	2.3033e-05	----CCTCCTTCCTCCCCCCC SNNASNYRCTTCCTGNY----	
MAZ_M00649	2.4997e-05	CCTCCTTCCTCCCCCCC -----CCCTCC-----	
KROX_M00982	2.8679e-05	CCTCCTTCCTCCCCCCC ----CCGCCCCCNCNNC	
GCR1_M00046	3.0233e-05	GGGGGGGAGGAAGGAGG -----GWGGAAGC----	
VDR_M00444	5.0624e-05	CCTCCTTCCTCCCCCCC TSWCCYYNYTNMCC---	

M26

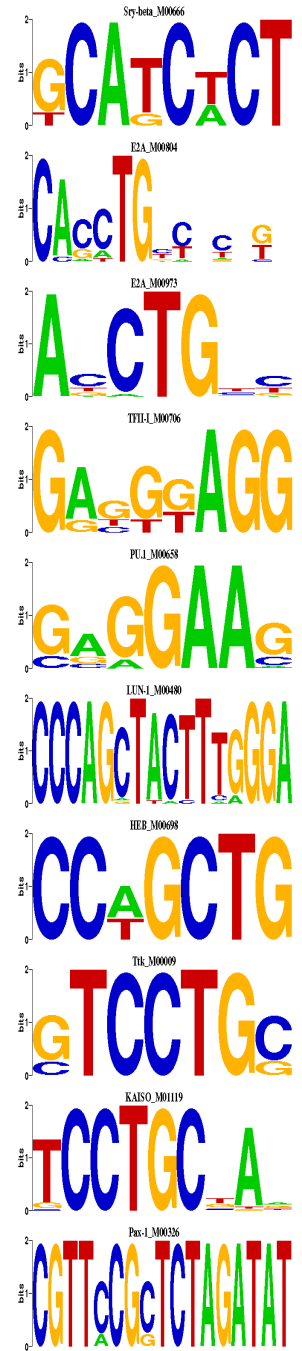


	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
NERF1a_M00531	7.3726e-06	----CCTGCTTCCC--- SNNASNYRCTTCTCTGNY	
c-Ets-1_M00743	2.2105e-05	CCTGCTTCCC ---GCTTCK	
GCR1_M00046	2.8635e-05	-GGGAAGCAGG GWGGAAGC---	
HEB_M00698	1.6440e-04	GGGAAGCAGG ---CAGCWGG	
KAISO_M01119	3.4245e-04	GGGAAGCAGG- --NTNGCAGGA	
Sn_M00044	3.4856e-04	GGGAAGCAGG--- TNNNANCANNTNN	
E2A_M00804	3.6681e-04	-GGGAAGCAGG-- NMNGNGNCAGGTG	
HEN1_M00058	7.6036e-04	--GGGAAGCAGG----- NNNGGNCGCAGCTGCGNCCNN	
Ets_M00971	9.5162e-04	CCTGCTTCCC- ----CTTCTN	
PU.1_M00658	9.9018e-04	-GGGAAGCAGG GAGGAAG----	

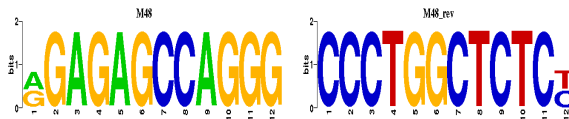
M46



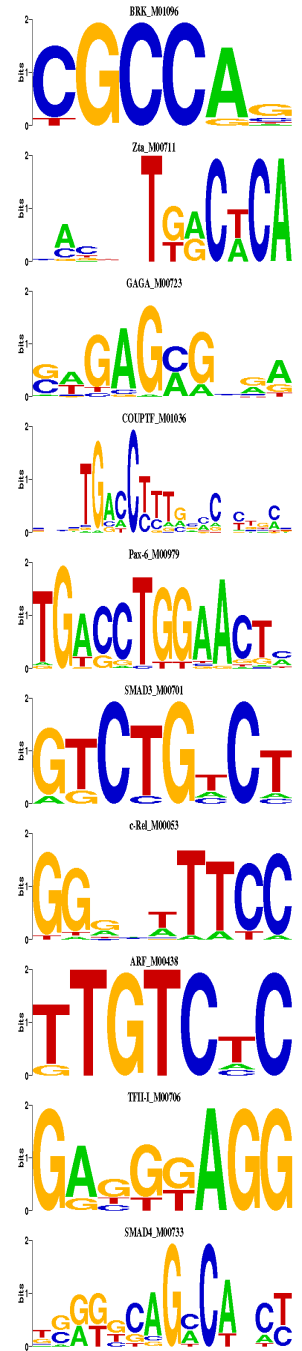
	<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>
Sry-beta_M00666	1.0570e-05	AGAGARGCAGG AGWGATGC---
E2A_M00804	9.9672e-05	--CCTGCTCTCT CACCTGNCNCNKN
E2A_M00973	1.7928e-04	-CCTGCTCTCT ANCTGNY-----
TFII-I_M00706	3.2023e-04	CCTGCTCTCT CCTMCNTC---
PU.1_M00658	3.7396e-04	CCTGCTCTCT -CTTCCTC---
LUN-1_M00480	8.1296e-04	-CCTGCTCTCT---- CCCAGCTACTTTGGGA
HEB_M00698	1.3074e-03	AGAGARGCAGG ----CAGCWGG
Ttk_M00009	1.4071e-03	--CCTGCTCTCT GTCTGC-----
KAISO_M01119	1.7982e-03	AGAGARGCAGG- ---NTNGCAGGA
Pax-1_M00326	2.2106e-03	-----AGAGARGCAGG ATATCTAGAGCGGAACG



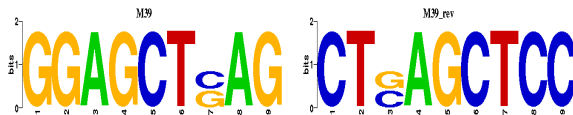
**M48**



	<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>
BRK_M01096	1.8791e-04	CCCTGGCTCTCY --NTGGCG----
Zta_M00711	7.8422e-04	RGAGAGCCAGGG-- --TGWGYCANNNTN
GAGA_M00723	9.0691e-04	CCCTGGCTCTCY- ---TYNCKCTCWS
COUPTF_M01036	1.4394e-03	---RGAGAGCCAGGG----- NKNNRNGKNNAAAGGTCANNNN
Pax-6_M00979	3.3598e-03	--CCCTGGCTCTCY TGACCTGGAActM-
SMAD3_M00701	3.5666e-03	CCCTGGCTCTCY ----GTCIGNCT
c-Rel_M00053	6.8291e-03	RGAGAGCCAGGG GGAAWNYCC---
ARF_M00438	8.2598e-03	RGAGAGCCAGGG ---GAGACAA--
TFII-I_M00706	9.4219e-03	CCCTGGCTCTCY -CCTMCNTC---
SMAD4_M00733	9.4712e-03	CCCTGGCTCTCY-- RGNTGKCTGNMYSN



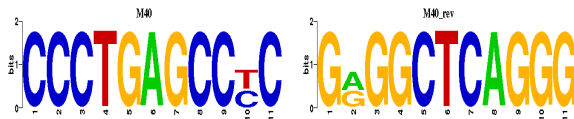
M39





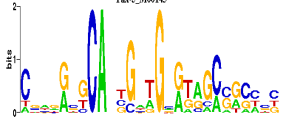


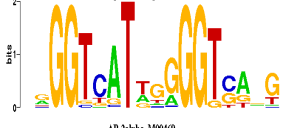






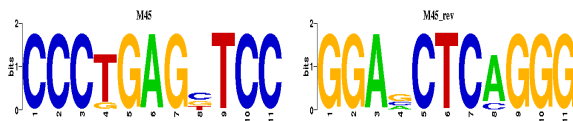
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
CDC5_M00361	6.4800e-05	GGAGCTSAG- NSCGCTGAGS	
bZIP910_M00357	1.3286e-04	--CTSAGCTCC ACGTCAGCAYS	
Dde_M00304	1.5394e-04	GGAGCTSAG-- ---GCTCAGCC	
Pax_M00808	2.8416e-04	CTSAGCTCC- GTKAGTTCCA	
NRSE_M00325	4.0020e-04	-----GGAGCTSAG GGCRCTCTCCGNGGTGCTGA-	
NRSF_M01028	4.8991e-04	CTSAGCTCC----- -TCAGCACCRYGGACAGNR	
HEN1_M00068	5.9655e-04	-----CTSAGCTCC----- NNGGNCNCAGCTGNGNCCNNN	
AP-4_M00927	6.3473e-04	CTSAGCTCC -NCAGCTGY	
PXR_M01153	7.5533e-04	CTSAGCTCC -TGAACTN-	
NRSF_M00256	9.6144e-04	-----GGAGCTSAG GSYGCTGTCCGTGGTGTGA-	







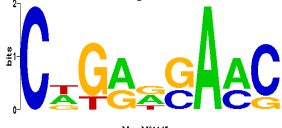


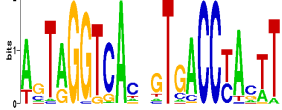
**M40**



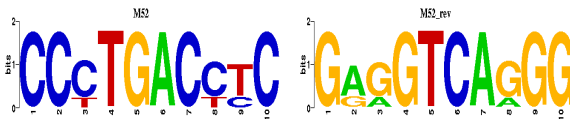
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
LF-A1_M00646	1.1062e-05	CCCTGAGCCYC --YWGASCC--	
CDC5_M00361	2.2228e-05	--CCCTGAGCCYC NSCGCTGAGS---	
Dde_M00304	4.9143e-05	CCCTGAGCCYC GGCTGAGC---	
ARP-1_M00155	2.5623e-04	GRGGCTCAGGG---- WRGKTC AARGGYTC	
Pax-5_M00143	2.8527e-04	-----CCCTGAGCCYC- NNNSYSGCYMYNCWNCNNTGMNYYNNG	
AP-2alphaA_M01045	6.6607e-04	---CCCTGAGCCYC NNNSCCTNAGGCNN	
MEF-3_M00319	6.8677e-04	GRGGCTCAGGG---- ---GSTCAGGTTWCN	
PPARalpha-RXRalpha_M00518	1.3755e-03	CCCTGAGCCYC----- -CNTSACCCCNATGACCNN	
AP-2alpha_M00469	1.3948e-03	GRGGCTCAGGG ---SCNNNGG	
bZIP910_M00357	1.6955e-03	GRGGCTCAGGG SRTGCTGACGT	





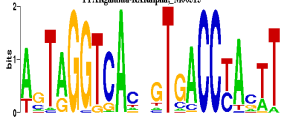
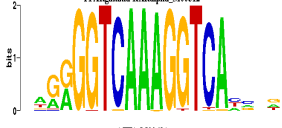




**M45**



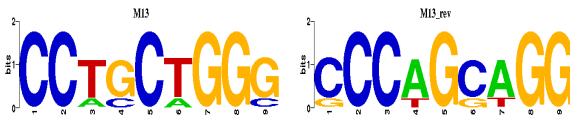
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Pax_M00808	6.5727e-06	CCCTGAGNTCC- --GTKAGTTCCA	
CDC5_M00361	1.8202e-05	--CCCTGAGNTCC NSCGCTGAGS---	
Dde_M00304	9.1161e-05	CCCTGAGNTCC GGCTGAGC---	
AP-2alpha_M00469	3.2579e-04	GGANCTCAGGG ---SCNNNNGG	
PXR_M01153	9.3864e-04	CCCTGAGNTCC ---TGAACTN-	
MEF-3_M00319	1.4441e-03	----CCCTGAGNTCC NGWAACCTGASC---	
XPF-1_M00684	3.3177e-03	GGANCTCAGGG GKTSNYCNG--	
c-Myc_M01145	3.7064e-03	GGANCTCAGGG- -GAGCACGTGGT	
ATF1_M00691	3.9093e-03	GGANCTCAGGG TGACGTCANR-	
PPARgamma-RXRalpha,_M00515	5.8869e-03	-----CCCTGAGNTCC- AANTAGGTCACNGTGACCTAST	

M52



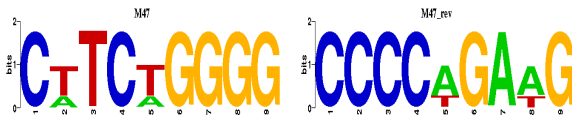
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
PPARalpha-RXRalpha_M00518	3.3166e-07	CCCTGACCTC----- -CNTSACCCCNATGACCNN	
ARP-1_M00155	6.5762e-07	-GAGGTCAGGG----- WRGGKTCAARGGYTC	
v-ErbA_M00239	1.8706e-06	--CCCTGACCTC--- NNSNGTGACCTYANN	
PXR_M01153	4.7858e-06	GAGGTCAGGG NAGTTCA---	
PPARgamma-RXRalpha_M00515	1.8423e-05	-----CCCTGACCTC-- AANTAGGTACNGTGACCTAST	
PPARgamma-RXRalpha_M00512	3.4554e-05	--GAGGTCAGGG----- NNGRGGTCAAAGGTCANNNN	
ATF1_M00691	3.5057e-05	CCCTGACCTC- -YNTGACGTCA	
MEF-3_M00319	4.0642e-05	----CCCTGACCTC NGWAACCTGASC--	
LF-A1_M00646	4.2190e-05	CCCTGACCTC --YWGASCC-	
VDR_M00444	2.0849e-04	GAGGTCAGGG----- --GGKNARNRRGWSA	











**M13**



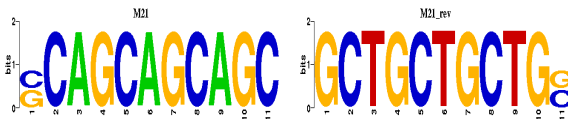
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
HEB_M00698	9.3081e-09	CCCAGCAGG --CAGCWGG	
LMAF_M01139	1.0760e-05	CCTGCTGGG -CTGCTGAS	
AP-4_M00176	1.5303e-04	CCCAGCAGG NNCAGCTGN	
Staf_M00264	2.0889e-04	-----CCTGCTGGG---- NNGCNNKGNANNNTGGGANN	
CAC-binding_M00720	2.7458e-04	CCCAGCAGG CCCASCCY-	
KAISO_M01119	2.8801e-04	CCCAGCAGG- -NTNGCAGGA	
TAL1_M00993	7.0483e-04	CCCAGCAGG RNCAGNTGG	
Ttk_M00009	7.3326e-04	CCCAGCAGG-- ----GCAGGAC	
LUN-1_M00480	1.5121e-03	-----CCTGCTGGG TCCCAAAGTAGCTGGG	
AP-4_M00005	1.7754e-03	-----CCCAGCAGG---- MNGNCNNCAGCTGNNNN	

**M47**



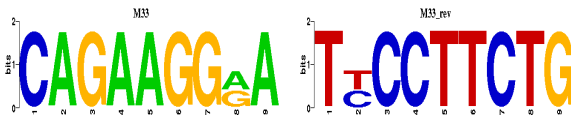
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
STAT_M00777	4.7421e-05	CCCCAGAAG--- TCCNAGAANNNN	
STATx_M00223	1.9026e-04	CTTCTGGGG -TTMYGGGA	
RP58_M00532	1.9043e-04	---CTTCTGGGG NAACATCTGGA-	
SREBP-1_M00749	2.9210e-04	CTTCTGGGG- ----TGGSGT	
MIG1_M00061	2.9697e-04	--CCCCAGAAG----- NNCCCCRSNTTWWNN	
Nrf-2_M00108	6.3851e-04	--CTTCTGGGG SNCTTCCGG--	
BRK_M01096	6.5904e-04	CTTCTGGGG ---NTGGCG	
Sp3_M00665	1.1873e-03	--CTTCTGGGG-- SMCTTGGGSRGGG	
PEND_M01015	1.2435e-03	CCCCAGAAG- ---AAGAA GT	
c-Ets-1_p54_M00032	1.3089e-03	--CTTCTGGGG NRCWTCKG--	











**M21**



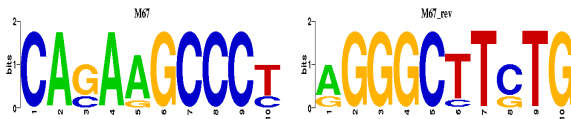
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Adf-1_M00171	8.1283e-07	-GCTGCTGCTGS--- CGCYGCGYNGCNKN	
HEN1_M00058	1.9600e-05	---SCAGCAGCAGC----- NNGGNCGCAGCTGCGNCCNNN	
LMAF_M01139	2.9693e-05	GCTGCTGCTGS -CTGCTGAS--	
GAMYB_M01135	6.2194e-05	GCTGCTGCTGS- KNNGTTRYYSN	
Bel-1_M00312	8.5299e-05	----GCTGCTGCTGS----- ANCTGCTGAYRCWGMGNKNACTNYCNM	
LBP-1_M00644	1.7038e-04	SCAGCAGCAGC SCAGCN-----	
HEB_M00698	1.7387e-04	GCTGCTGCTGS CCWGCTG----	
TAL1_M00993	1.7758e-04	SCAGCAGCAGC --RNCAGNTGG	
Adf-1_M00923	2.0676e-04	----GCTGCTGCTGS----- SGCYGCMGYCGCTGMMNKYG	
AP-4_M00927	2.4618e-04	SCAGCAGCAGC ---RCAGCTGN	

M33



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
GATA-4_M00632	2.3788e-04	--CAGAAGGRA GATANMAGRSA	
MAF_M00648	2.8733e-04	-----TYCCTTCTG NSNMMACTTCCYYCN-	
HEB_M00698	3.8176e-04	CAGAAGGRA CAGCWGG--	
PEND_M01015	5.6976e-04	TYCCTTCTG --ACTTCTT	
BLIMP1_M01066	7.7350e-04	-----TYCCTTCTG YMCTTTCMCTTYC-	
TAL1_M00993	1.7258e-03	TYCCTTCTG-- --CCANCTGNY	
HSF_M00167	2.1435e-03	--TYCCTTCTG--- NTTCNNTTCNNTTC	
Helios_M01004	2.4155e-03	---TYCCTTCTG NTTTCCTWN--	
Ets_M00971	2.9671e-03	CAGAAGGRA- ---NAGGAAG	
KAISO_M01119	3.1776e-03	-CAGAAGGRA NTNGCAGGA-	

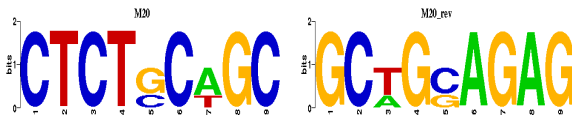
**M67**





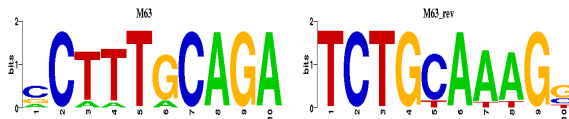
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
XPF-1_M00684	7.3819e-04	AGGGCTTCTG -GKTSNYCNG	
ZBRK1_M01105	8.1742e-04	--AGGGCTTCTG-- AAANNCTGCKSCC	
PEND_M01015	1.5732e-03	AGGGCTTCTG ---ACTTCTT	
GZF1_M01069	1.8615e-03	--CAGAAGCCCT TATAGANGCGC-	
NF-kappaB_M00051	2.2167e-03	CAGAAGCCCT GGGRATCCC-	
NF-muE1_M00651	2.2867e-03	CAGAAGCCCT -AGATGGCC-	
LXR_M00766	3.2826e-03	AGGGCTTCTG----- -GGTTACTNNCGTIC	
c-Ets-1_M00743	3.3164e-03	AGGGCTTCTG ---GCTTCK	
LXR_M00647	4.2332e-03	AGGGCTTCTG----- GGGTYACTNNGGTCA	
GCR1_M00046	5.5550e-03	-CAGAAGCCCT GWGGAAGC---	








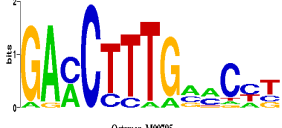

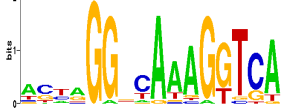
M20



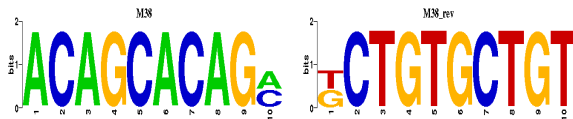
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
LBP-1_M00644	1.0498e-04	CTCTGCAGC- ----SCAGCN	
LMAF_M01139	1.5452e-04	CTCTGCAGC STCAGCAG-	
Adf-1_M00923	4.8662e-04	-----GCTGCAGAG CRMNKKCAGCGRCKGCRGCS	
Eve_M00629	2.4618e-03	GCTGCAGAG--- ---GCNGNSSWN	
myogenin_M00712	3.3666e-03	CTCTGCAGC --CASCTGN	
Nrf-2_M00821	3.8689e-03	-----CTCTGCAGC NNTGACTCAGCA--	
FACB_M00389	4.1953e-03	-----CTCTGCAGC- ANNNGCNRNGMNAAMNCTGCNNNN	
Dde_M00304	5.5019e-03	GCTGCAGAG- --GGCTGAGC	
AP-4_M00927	6.2725e-03	GCTGCAGAG RCAGCTGN-	
HEN1_M00068	6.6256e-03	-----CTCTGCAGC----- NNGGNCNCAGCTGNGNCNNN	



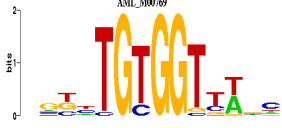




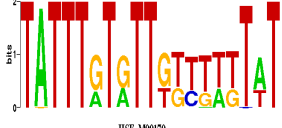


**M63**



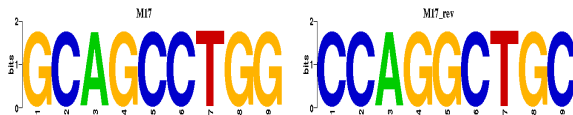
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
OCT-x_M00210	6.9044e-07	-SCTTTGCAGA- TNATTTGCATAY	
PBF_M01130	6.8394e-06	SCTTTGCAGA CCTTT-----	
LEF1_M00805	8.0048e-06	SCTTTGCAGA -CTTTG----	
Oct-1_M00930	3.4349e-05	TCTGCAAAGS NATGNAAATN	
Oct-1_M00161	3.5182e-05	-SCTTTGCAGA-- KNATTTGCATAY	
Oct-1_M00342	7.9341e-05	TCTGCAAAGS -ATGCAAATN	
TCF-4_M00671	9.3775e-05	TCTGCAAAGS --WTCAAAG-	
COUP-TF_M00158	1.4891e-04	--SCTTTGCAGA- GAMCTTTGNMCNN	
Octamer_M00795	2.2749e-04	TCTGCAAAGS NATGCAAATN	
PPAR_M00528	2.4147e-04	---SCTTTGCAGA--- TGACCTTTGNCCNNNN	

M38



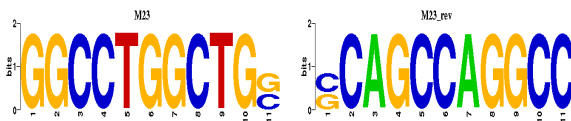
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
HSF_M00167	3.8465e-08	--KCTGTGCTGT-- NTTCNNTTCNNTTC	
AR_M00962	9.7790e-04	ACAGCACAGM -GAGCANN-	
AML_M00769	9.7999e-04	--KCTGTGCTGT-- NNNTGTGGTYWNN	
Dde_M00304	1.0124e-03	ACAGCACAGM- ---GCTCAGCC	
bZIP910_M00357	1.2508e-03	---ACAGCACAGM ACGTCAGCAYS--	
SEF-1_M00214	1.7568e-03	ACAGCACAGM----- -RACCACAGATATCCGTGT	
GR_M00205	1.7747e-03	-----KCTGTGCTGT GTACANNNTGTYCTK-	
FOXP1_M00987	1.8140e-03	-----ACAGCACAGM-- ATAAAAAACAACACAAATA	
HSF_M00170	2.0623e-03	--KCTGTGCTGT-- NTTCNNTTCNNGAA	
NRSF_M00256	2.1622e-03	ACAGCACAGM----- TCAGCACCACGGACAGCRSC	

M17



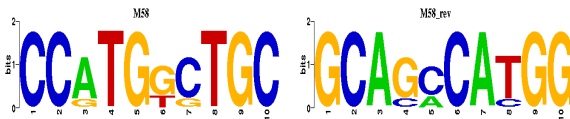
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
LBP-1_M00644	2.0250e-04	GCAGCCTGG SCAGCN---	
RFX1_M00280	3.6363e-04	-----CCAGGCTGC- NNGTTRCYWNGYNACN	
AP-2_M00800	3.7559e-04	---CCAGGCTGC--- SCSSCRGGCNRNRNN	
ERF2_M01057	5.1083e-04	CCAGGCTGC ---GGCGGC	
SMAD4_M00733	7.5178e-04	----GCAGCCTGG- NSRKNCAGMCANCY	
AP-2_M00915	1.0604e-03	GCAGCCTGG----- --NGCCNGNGGNNN	
PacC_M00247	1.2015e-03	---GCAGCCTGG--- NNNNNNKCYTGcNGN	
CAC-binding_M00720	1.2712e-03	-GCAGCCTGG CCCASCCY--	
Roaz_M00467	1.8639e-03	GCAGCCTGG----- KCACCCTTGGGTG	
Dde_M00304	2.2027e-03	CCAGGCTGC-- ---GGCTGAGC	

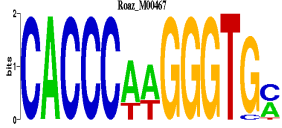
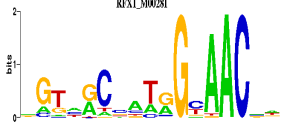





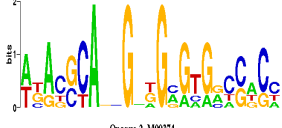


M23



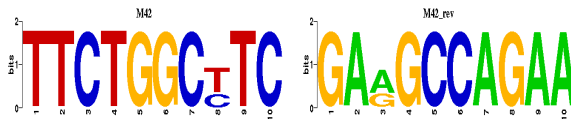
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Pax-9_M00329	4.2439e-05	-----SCAGCCAGGCC----- WNANSCANNNGNNGNGNNSNCN	
BRK_M01096	1.2812e-04	GGCCTGGCTGS ---NTGGCG--	
LBP-1_M00644	2.2341e-04	SCAGCCAGGCC SCAGCN-----	
SMAD4_M00733	3.7440e-04	GGCCTGGCTGS---- -RGNTGKCTGNMYSN	
YY1_M00069	4.9001e-04	-SCAGCCAGGCC----- WNSANCAAGATGGCNGNN	
PacC_M00247	5.5349e-04	-----GGCCTGGCTGS NNNNNNKCYTGGCNGN	
HEN1_M00068	7.2507e-04	-----SCAGCCAGGCC--- NNNGGNCNCAGCTGNGNCCNN	
NGFI-C_M00244	1.3405e-03	SCAGCCAGGCC CCRCCCACGCA	
CAC-binding_M00720	4.5815e-03	-SCAGCCAGGCC CCCASCCY-----	
MTF-1_M00650	4.7311e-03	GGCCTGGCTGS-- GGGCCGNGTGCAN	

**M58**



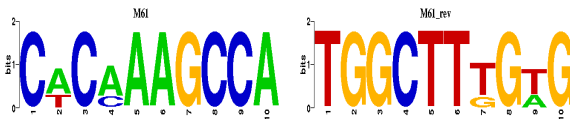
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Roaz_M00467	3.1963e-07	GCAGCCATGG--- KCACCCTTGGGTG	
RFX1_M00281	1.7076e-05	-----CCATGGCTGC- NNGTTRCYANNQYNACN	
YY1_M00069	9.1836e-05	-----CCATGGCTGC- NNCNGCCATCTTGNNTSNW	
SMAD4_M00733	1.1578e-04	CCATGGCTGC---- RGNTGKCTGNMYSN	
ABZ1_M01065	4.2360e-04	---CCATGGCTGC NNNCCACGTNNNM	
LBP-1_M00644	6.3856e-04	GCAGCCATGG SCAGCN----	
RCS1_M00753	6.9581e-04	CCATGGCTGC-- AANTGGGTGCAK	
Pax-9_M00329	7.4618e-04	-----CCATGGCTGC---- NGNSNNCNCNCNNC NNTGSNTNW	
Opaque-2_M00374	8.5619e-04	CCATGGCTGC CCATRCAT-	
ERF2_M01057	1.2961e-03	CCATGGCTGC ----GCCGGC	

M42



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
BRK_M01096	7.9668e-05	TTCTGGCTTC --NTGGCG--	
Grainyhead-Elf-1-NTF-1_M00951	1.0461e-04	GAAGCCAGAA -AAACCRG--	
CCAAT_M00200	3.7649e-04	-GAAGCCAGAA----- ANNWGNNGNRRRGNNNGNTGATTGG	
MEF-3_M00319	4.7033e-04	-GAAGCCAGAA- NGWAACCTGASC	
STE11_M01005	1.2750e-03	-TTCTGGCTTC TTTCTTTGTTC	
ATF1_M00691	1.8663e-03	-GAAGCCAGAA TGACGTCANR-	
SMAD3_M00701	1.9399e-03	GAAGCCAGAA --AGNCAGAC	
Osf2_M00731	4.6524e-03	-TTCTGGCTTC KNTGTGG----	
STAT_M00777	4.8846e-03	----TTCTGGCTTC NNNNTTCTNGGA--	
Poly_M00211	5.5382e-03	GAAGCCAGAA GAGACCAC--	

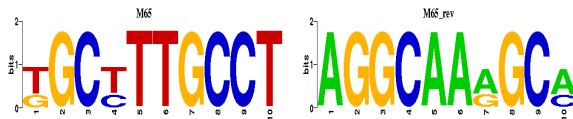
**M61**















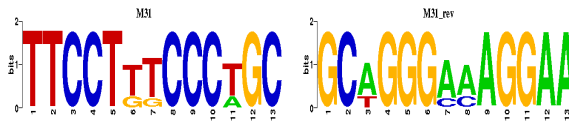
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
LEF1_M00805	1.1646e-05	TGGCTTTGTG ---CTTTG--	
Osf2_M00731	2.6861e-05	TGGCTTTGTG- ----KNTGTGG	
MRF-2_M00454	8.1851e-05	-TGGCTTTGTG-- KNNGTATTGTNSW	
Elf-1_M00110	2.4579e-04	----TGGCTTTGTG- NNNNNGGTNTNNNNN	
STE11_M01005	2.8866e-04	-CACAAAGCCA GAACAAAGAAA	
TCF-4_M00671	4.3076e-04	CACAAAGCCA WTCAAAG---	
LEF1_M01022	7.2371e-04	TGGCTTTGTG -NNCTTTGAW	
LEF1_M00978	1.0025e-03	---CACAAAGCCA NNSATCAAAG---	
SOX_M01014	1.6850e-03	----CACAAAGCCA NCNTAACAAAGA--	
MTF-1_M00650	1.8701e-03	TGGCTTTGTG--- GGCCGNGTGCAN	

**M65**

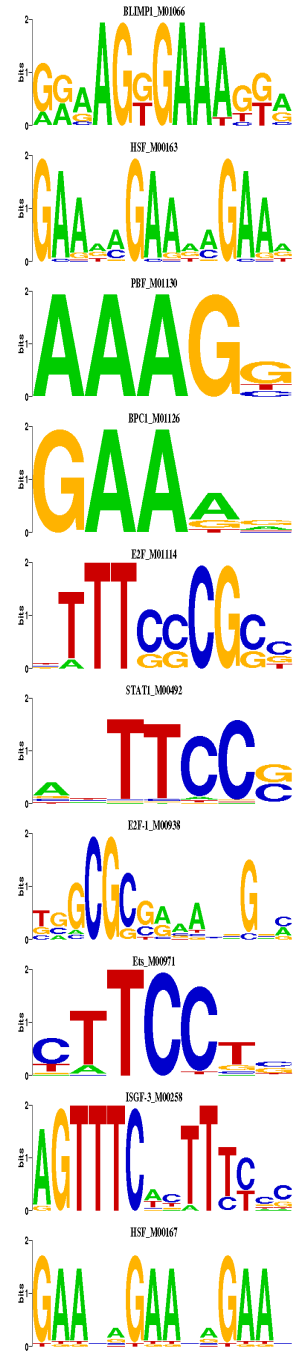


	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Oct-1_M00195	2.4789e-06	-TGCTTTGCCT--- NTNATTTGCATNNN	
LEF1_M00805	1.7556e-05	TGCTTTGCCT --CTTTG---	
C-EBP_M00201	6.2537e-05	--TGCTTTGCCT----- NGTNNMTTRCENNMANWC	
HNF4_M01031	2.5671e-04	---TGCTTTGCCT NTGRMCTTTGNNC	
Oct-1_M00161	2.9834e-04	TGCTTTGCCT--- KNATTTGCATAYY	
PPAR_M00528	3.4592e-04	--TGCTTTGCCT----- TGACCTTTGNCCNNNN	
HNF4alpha1_M00411	3.5312e-04	---TGCTTTGCCT- NTGACCTTTGNCCY	
BLIMP1_M01066	5.3582e-04	TGCTTTGCCT--- YMCTTTCMCTTYC	
HNF4alpha_M00638	5.4018e-04	AGGCAAAGCA-- NKKCAAAGKTCA	
PacC_M00247	5.4637e-04	-----TGCTTTGCCT- NNNNNNKCYTGGCNGN	

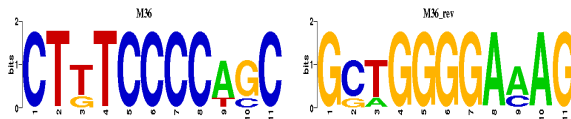
M31



	<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>
BLIMP1_M01066	2.1825e-10	TTCCTTTCCTGC- -YMCTTTCMCTTYC
HSF_M00163	5.4064e-05	-TTCCTTTCCTGC NTTCNTTCTNTTC
PBF_M01130	5.4139e-05	TTCCTTTCCTGC --CCTTT-----
BPC1_M01126	2.4758e-04	TTCCTTTCCTGC ---NTTTC-----
E2F_M01114	4.9252e-04	TTCCTTTCCTGC ---NTTTCCTGCN
STAT1_M00492	9.2230e-04	GCAGGGAAAGGAA ---SGGAANT---
E2F-1_M00938	1.9098e-03	--GCAGGGAAAGGAA KSGCGCGRNANNM
Ets_M00971	2.2742e-03	GCAGGGAAAGGAA- -----NAGGAAG
ISGF-3_M00258	2.2802e-03	----TTCCTTTCCTGC AGTTTCWNTTTCNC---
HSF_M00167	2.3826e-03	-TTCCTTTCCTGC NTTCNNTTCNNTTC

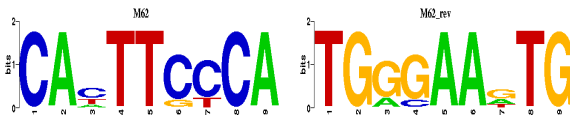


M36



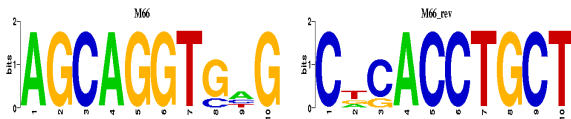
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
AP-4_M00005	3.9051e-05	CTTTCCCCAGC----- MNGNCNNCAGCTGNNNN	
XPF-1_M00684	4.4908e-05	CTTTCCCCAGC -GKTSNYCNG-	
BPC1_M01126	1.2714e-04	CTTTCCCCAGC NTTTC-----	
CAC-binding_M00720	3.3930e-04	--GCTGGGGAAAAG RGGSTGGG-----	
BLIMP1_M01066	3.7964e-04	--CTTTCCCCAGC YMCTTTCMCTTYC	
STAT1_M00492	4.2513e-04	GCTGGGGAAAAG ----SGBAANT	
ISGF-3_M00258	5.7332e-04	GCTGGGGAAAAG----- ----GNGAAANWGAAACT	
SREBP-1_M00749	5.8591e-04	GCTGGGGAAAAG --TGGSGT---	
Olf-1_M00261	7.4403e-04	-----GCTGGGGAAAAG-- NCMNNYTCCNRGGGANTNGN	
MZF1_M00083	1.0800e-03	CTTTCCCCAGC ---TCCCNN-	




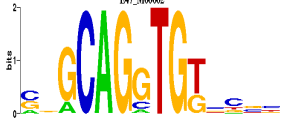





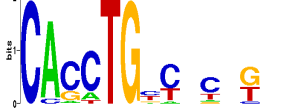
**M62**



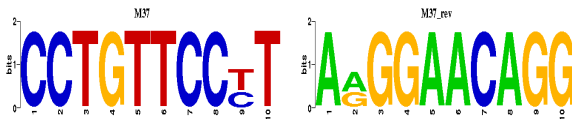
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
STAT1_M00492	1.7854e-07	TGGGAANTG -SGGAANT-	
STAT1_M00224	5.5501e-07	---CANTTCCCA----- NSNCANTTCCCGGAANNNNN	
NF-kappaB_M00208	7.1423e-07	TGGGAANTG-- NGGAAARTCCC	
GABP_M00341	1.7785e-06	--CANTTCCCA YGCNCTTCCGG	
MAF_M00648	6.0900e-06	----CANTTCCCA-- NSNMMACTTCCYYCN	
STAT3_M00225	1.2329e-05	---CANTTCCCA----- NNNCATTTCSSGAAATNNN	
c-Ets-1_M00339	1.3299e-05	----CANTTCCCA NNMNNACTTCTG	
Lyf-1_M00141	3.2017e-05	CANTTCCCA- --YCTCCCAA	
ISGF-3_M00258	3.7018e-05	TGGGAANTG----- GNGAAANWGAAACT	
Nrf-2_M00108	5.4757e-05	CANTTCCCA SNCTTCCGG	










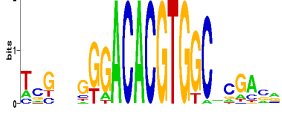
**M66**



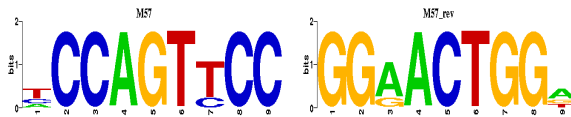
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
myogenin_M00712	4.3620e-08	AGCAGGTGNG -NCAGSTG--	
TAL1_M00993	2.0042e-06	CNCACCTGCT -CCANCTGNY	
E12_M00693	3.1677e-06	-CNCACCTGCT NNNCACCTGY-	
E47_M00002	9.1007e-06	---CNCACCTGCT- NNNNACACCTGCNS	
MyoD_M00184	1.1761e-05	AGCAGGTGNG GNCAGNTGN-	
bHLH66_M01054	1.9156e-05	CNCACCTGCT --CACGTGC-	
E2A_M00973	2.1036e-05	AGCAGGTGNG RNCAGNT---	
AREB6_M00412	3.0443e-05	-AGCAGGTGNG- RNWCAGGTRNRN	
c-Myc_M01145	3.2931e-05	CNCACCTGCT- ACCACGTGCTC	
E2A_M00804	8.1603e-05	-----AGCAGGTGNG NMNGNGNCAGGTG--	


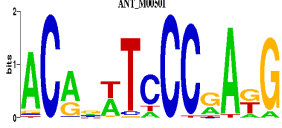



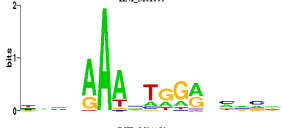




M37



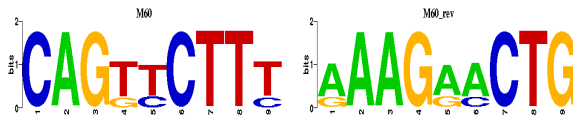
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
PR_M00960	7.3171e-06	CCTGTTCCYT -NTGTYCNNW	
Helios_M01004	2.0862e-04	CCTGTTCCYT- -NTTTTCCTWN	
BLIMP1_M01066	3.2298e-04	-CCTGTTCCYT-- YMCTTTCMCTTYC	
HSF_M00167	5.7529e-04	--CCTGTTCCYT-- NTTCNNTTCNNTTC	
GR_M00921	1.0363e-03	ARGGAACAGG --AGNACAN-	
Nrf-2_M00108	1.3055e-03	CCTGTTCCYT -SNCTTCCGG	
TEIL_M00502	1.4446e-03	ARGGAACAGG -AGRTWCA--	
PU.1_M00658	1.5839e-03	CCTGTTCCYT ---CTTCCTC	
MAF_M00648	1.7662e-03	--ARGGAACAGG--- NGRRGGAAGTKKNSN	
ABF1_M00399	2.2127e-03	---ARGGAACAGG----- WNNNNGGGACACGTGGCNGANN	

M57



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Nanog_M01123	6.2016e-05	GGAACTGGN-- GGMAATGGNCC	
ANT_M00501	7.7836e-05	-----GGAACTGGN CMTYGGGAWNTGT-	
Pax_M00808	8.4522e-05	NCCAGTTCC- GTKAGTTCCA	
Pax-6_M00979	8.5629e-05	----NCCAGTTCC KAGTTCCAGGTCA	
GCNF_M00526	5.7620e-04	-----GGAACTGGN NNTGAMCTTGAACCTGA	
KNI_M01099	5.8709e-04	----NCCAGTTCC-- NNNNNYCYANTTTNNNN	
RXR_M01152	6.4217e-04	GGAACTGGN TGAACTN--	
PXR_M01153	7.0586e-04	GGAACTGGN TGAACTN--	
GABP_M00341	1.2530e-03	NCCAGTTCC-- YGCNCTTCCGG	
NERF1a_M00531	1.4089e-03	----NCCAGTTCC---- SNNASNYRCTTCTGNY	

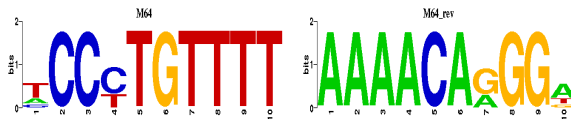
**M60**















	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
ZBRK1_M01105	2.7087e-09	AAAGAACTG----- AAANNCTGCKSCC	
PR,_M00960	6.9210e-06	AAAGAACTG WNGRACAN	
PEND_M01015	5.1454e-05	CAGTTCITT -ACTTCTT-	
MEF-2_M00006	2.2681e-04	-CAGTTCITT----- RGRGTTATTTTTAGA	
Gfi1b_M01058	2.3638e-04	--CAGTTCITT WCGMTGATTT	
HSF_M00167	3.3338e-04	---CAGTTCITT-- NTTCNNTTCNNTTC	
STE11_M01005	3.4169e-04	CAGTTCITT----- --TTTCTTTGTTT	
PXR_M01153	5.3803e-04	AAAGAACTG --TGAACTN	
RXR_M01152	6.2262e-04	AAAGAACTG --TGAACTN	
MEIS1A-HOXA9_M00420	6.3182e-04	--AAAGAACTG-- TCRTAAAMCTGTC	

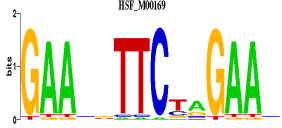







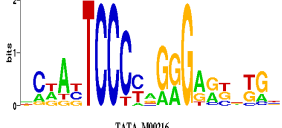

**M64**



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
GATA-4_M00632	1.0109e-08	TCCCTGTTTT- TSYCTKNTATC	
STE11_M00274	4.1315e-05	---AAAACAGGGA--- WNNNNAACAAAGAAANW	
Sn_M00044	5.7147e-05	--AAAACAGGGA- TNNNANCANNNTNN	
Grainyhead-Elf-1-NTF-1_M00951	7.5970e-05	AAAACAGGGA AAACCRG---	
Elk-1_M00007	2.0498e-04	-----TCCCTGTTTT NNGNACTTCKKGTNN-	
MCM1_M00125	3.1298e-04	----AAAACAGGGA- NNCCYAAWNNGGTAA	
SOX_M01014	1.1822e-03	--AAAACAGGGA NCNTAACAAAGA	
STE11_M01005	1.5576e-03	--TCCCTGTTTT TTTCTTTGTT-	
Mat1-Mc_M00276	1.5609e-03	AAAACAGGGA -NRACAATNG	
SED_M01128	1.9055e-03	AAAACAGGGA- --NAAAGNNNA	

M70



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
HSF_M00169	4.6507e-05	---CTAGANAG--- NTTCNNGAANN TTC	
Pax-1_M00326	7.6136e-05	----CTAGANAG----- ATATCTAGAGCGGAACG	
HSF_M00165	7.9554e-05	---CTAGANAG--- NTTCTAGAANN TTC	
HSF_M00166	7.9554e-05	----CTNTCTAG-- NTTCTNTTCTAGAA	
SMAD3_M00701	5.2454e-04	CTAGANAG-- --AGNCAGAC	
Rim101p_M01030	8.2021e-04	CTNTCTAG -TTNCTTG	
BPC1_M01126	9.9213e-04	CTNTCTAG NTTTC---	
HSF1_M01023	1.3855e-03	-----CTNTCTAG-- KRAGAANN TTCYAGAA	
Olf-1_M00261	2.5307e-03	-----CTAGANAG----- NCNANTCCCYNGGGARNKGN	
TATA_M00216	3.5368e-03	-CTNTCTAG NTTTTATAG	

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